



NROC

Northeast Regional
Ocean Council



NORTHEAST OCEAN PLANNING



NORTHEAST OCEAN DATA

Northeast Ocean Data Portal Redesign

January 11, 2024

Logistics

We are recording this – please reach out if you'd like to share feedback in another way

Will send slides and recording to full list of webinar registrants

Northeast Ocean Data Portal Team

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Peter Taylor, Waterview Consulting

Why now?

- Many years, significant increases in Portal use, and many new website and mapping requirements since the last complete overhaul and redesign in 2017
- Upgrade user mapping and visualization tools and enhance connections to core external data providers
- Improve integration of Portal webpages and contextual information with map interfaces and data products
- Increase the ability for users to view select data products at multiple geographic scales
- Provide ability for place-based or specific management focused tools and analyses

The screenshot displays the Northeast Ocean Data website. At the top, the logo for "NORTHEAST OCEAN DATA" is shown, with the tagline "Maps and Data for Ocean Planning in the Northeastern United States". A navigation menu includes links for HOME, WHAT'S NEW?, CURRENT ISSUES, THEME MAPS, DATA EXPLORER, DOWNLOADS, and ABOUT.

The main content area is divided into several sections:

- DATA EXPLORER:** A large map of the Northeastern United States coastline is shown, overlaid with various colored data points and a large white play button icon. Text on the left side of this section reads "Define and view any combination of data on one map" and "LAUNCH DATA EXPLORER".
- THEME MAPS:** A section titled "View curated maps and data on key topics" featuring a grid of icons for: Marine Life & Habitat (Marine Mammals, Sea Turtles, Fish, Birds, Habitat), Commercial Fishing, Marine Transportation, Energy & Infrastructure, Aquaculture, Recreation, Restoration, Cultural Resources, National Security, and Water Quality. Below the grid are links for Bathymetry, Eelgrass, and Habitat Classification.
- NEWS:** A list of recent news items, including "NOAA NCCOS Ecosystem-wide Spatial Suitability Model Outputs for the Gulf of Maine" (Nov 7, 2023), "Draft Wind Energy Area in the Gulf of Maine" (Oct 20, 2023), and "Proposed Southern New England Habitat Area of Particular Concern" (Oct 11, 2023). It also includes links for "News Archives" and "List of Data Updates".
- CURRENT ISSUES:** A featured article titled "Offshore Wind Projects" with a background image of wind turbines. Below the title is the text "Maps and information on current issues".
- CASE STUDIES:** A section titled "Balancing Deep-Sea Coral Protection and Commercial Fisheries" (Commercial Fishing - Marine Life) and "U.S. Navy Uses Data Portal to Select Test Site for".

Why now?

Timeline

- Started scoping in 2023
- Implement first big updates in 2024
- Continue to scope and implement additional tools and functions in 2025 and later

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Recent and Potential Ocean Planning Issues

- Offshore wind leasing
- Offshore wind project development & permitting
- Offshore wind wildlife & fisheries research
- Energy transmission
- Waterways management and navigation
- Telecommunications
- Aquaculture
- Dredged material disposal
- Habitat & biodiversity conservation
- Sand & sediment management

- CURRENT ISSUES
- Offshore Wind Projects
- Army Corps Public Notices
- Coast Guard Proposed Actions
- Proposed SNE HAPC
- NE Canyons & Seamounts
- Archived Map Galleries:
 - > Deep-Sea Corals (Archived)
 - > Ocean Disposal Site (Archived)

DATA EXPLORER

Northeast Canyons and Seamounts

On September 12, 2023, the U.S. Fish and Wildlife Service (USFWS) and National Oceanic and Atmospheric Administration (NOAA) jointly released a Draft Management Plan and Environmental Assessment for the Northeast Canyons and Seamounts Marine National Monument for public review and comment. Figures 12-18 in the Draft Management Plan and Environmental Assessment are Northeast Ocean Data Portal maps with relevant data on marine life and ocean uses.

To support the public comment process, this Map Gallery provides interactive versions of Figures 12-18. Click on a thumbnail image below to go to a web page that has a larger map image, a button to launch the interactive map, and a link to download a PDF version of the map. The deadline to submit public comments was **Thursday, October 26, 2023**. More information

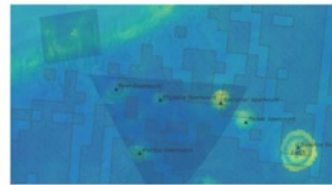


Fig. 12: Estimated offshore/pelagic seabird abundance

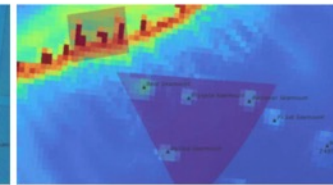
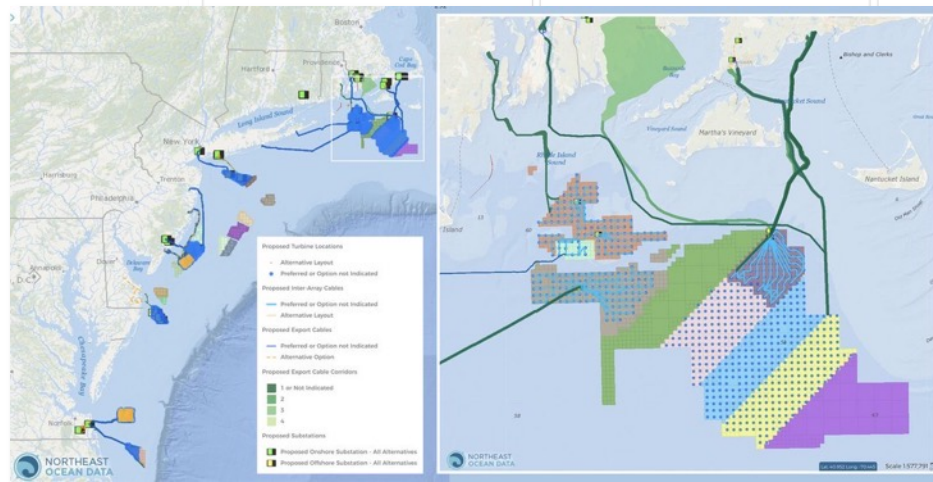


Fig. 13: Modeled marine mammal abundance

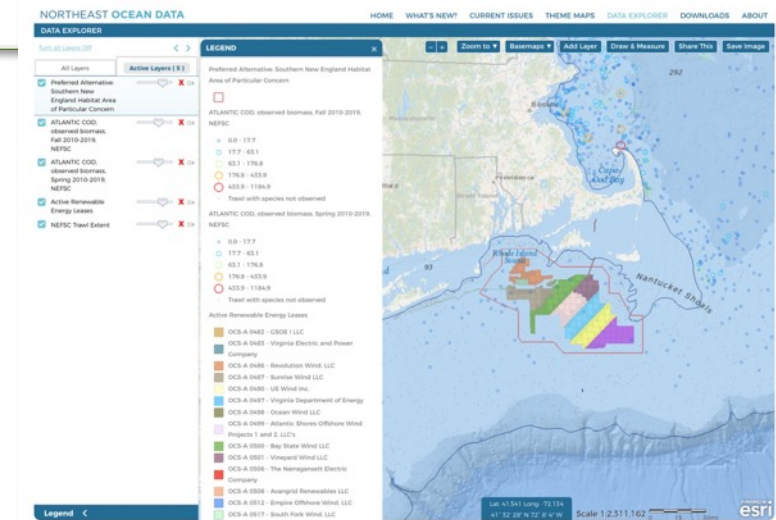


Fig. 14: Pleasure



Proposed Southern New England Habitat Area of Particular Concern

October 11, 2023



Screenshot of Data Explorer displaying the proposed Habitat Area of Particular Concern (red outlined area), along with the Active Renewable Energy Leases map layer (colored blocks) and NEFSC data on fall and spring Atlantic cod biomass from 2010-2019 (colored circles).

Scope of the 2024 work

“Back end”

- Database and technical components that make the Portal work
- Not really the focus of today but will result in:
 - Enhanced layer searchability
 - More options for organizing and/or filtering the Data Explorer Table of Contents
 - Better data catalog
 - Streamlined Portal maintenance

NORTHEAST OCEAN DATA

DATA EXPLORER

[Turn all Layers Off](#)



All Layers

Active Layers

Keyword Search

- > Administrative Boundaries
- > Marine Transportation
- > National Security
- > Energy & Infrastructure
- > Recreation
- > Culture
- > Commercial Fishing
- > Aquaculture
- > Fish
- > Marine Mammals
- > Sea Turtles
- > Birds
- > Habitat
- > Sand
- > Restoration
- > Water Quality
- > Physical Oceanography
- > Bathymetry & Imagery
- > Demography and Economy

Scope of the 2024 work

“Front end” / User Experience

- Data Download
 - Better integration with Data Explorer and other maps
 - Single layer/topic downloads instead of theme packages
 - FUTURE: Data Download for an area of interest or active map view
- Current issues – better integration with map pages and relevant datasets
- Review of Theme Maps
- Redesigned and simplified homepage



NORTHEAST OCEAN DATA

Maps and Data for Ocean Planning in the Northeastern United States

[HOME](#) [WHAT'S NEW?](#) [CURRENT ISSUES](#) [THEME MAPS](#) [DATA EXPLORER](#) [DOWNLOADS](#) [ABOUT](#)

DATA EXPLORER

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LAUNCH DATA EXPLORER

THEME MAPS

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NE Canyons & Seamounts

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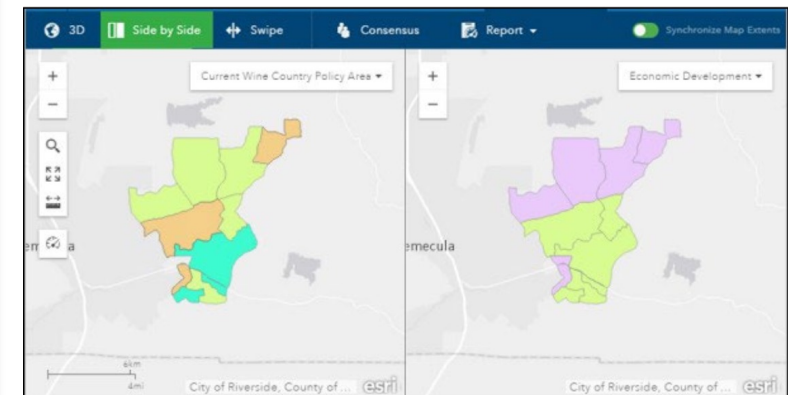
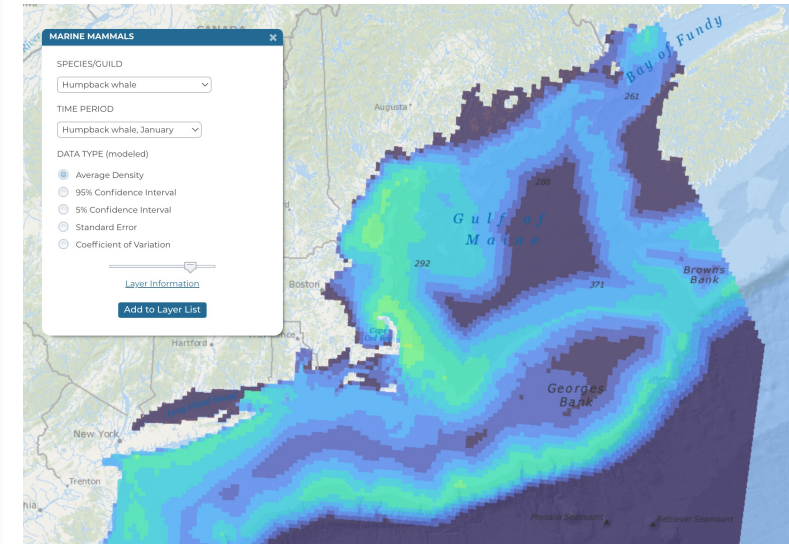
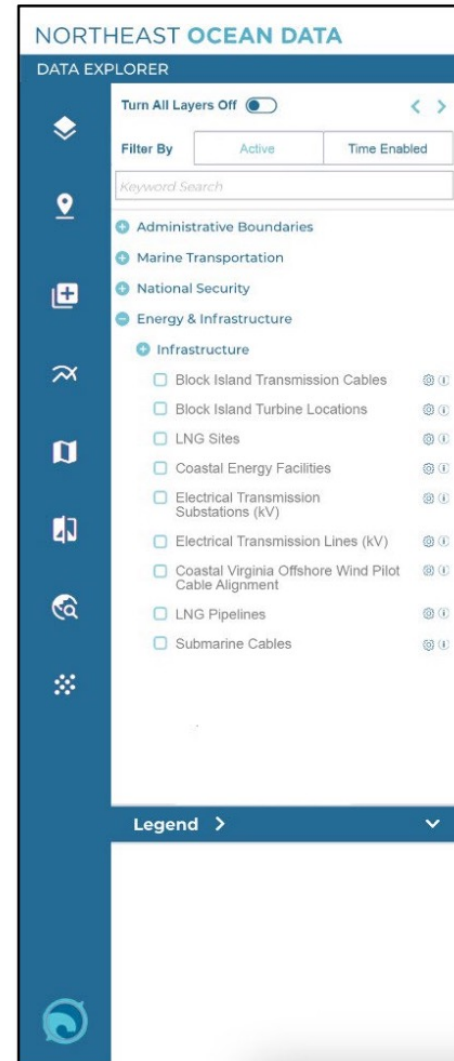
- > Deep-Sea Corals (Archived)
- > Ocean Disposal Site (Archived)
- > Marine Life & Habitat
 - Sea Turtles // Fish // Birds // Habitat

Scope of the 2024 work

“Front end” / User Experience

Add/Improve Data Explorer Tools

- Compare maps of different data/at different scales (swipe, composite)
- Standardize time/animation tools
- Scope standardizing widgets (marine life, communities at sea)
- Improve share link functionality and more customizations (e.g., include basemap or not)
- FUTURE: subset and summarize data by area of interest



Questions for power users:

- Comments on the work proposed for 2024?
- Are there features/tools/functions that you wished the Portal had?
- Is there an existing feature/tool/function that you want to perform better?
- Do you anticipate new Portal uses in your work? If so, what?



NORTHEAST OCEAN DATA

www.NortheastOceanData.org

Thank you for your input!