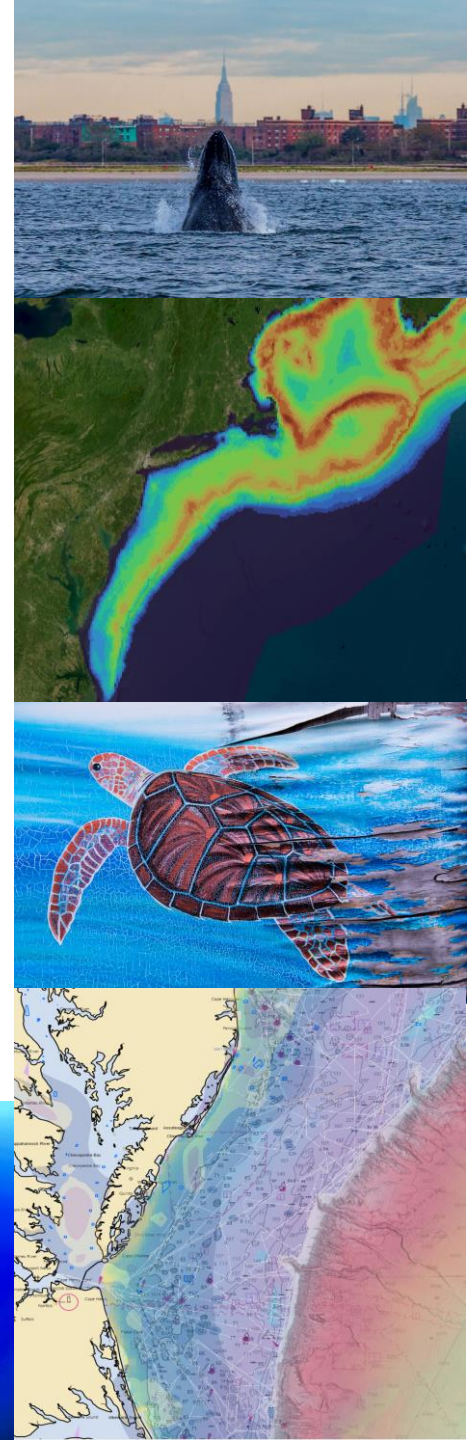
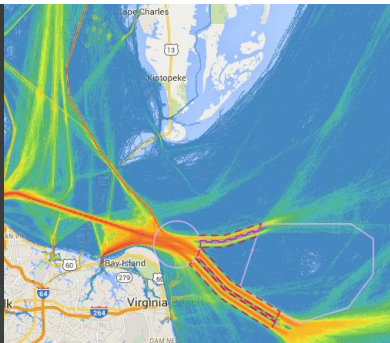
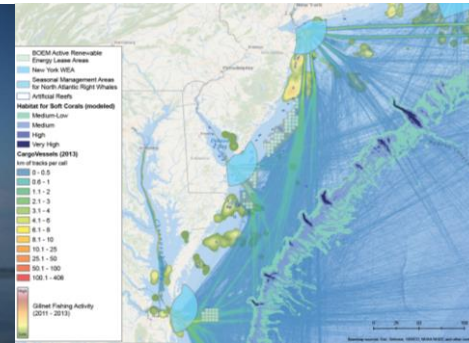
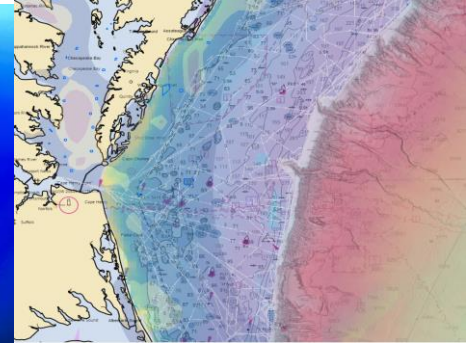
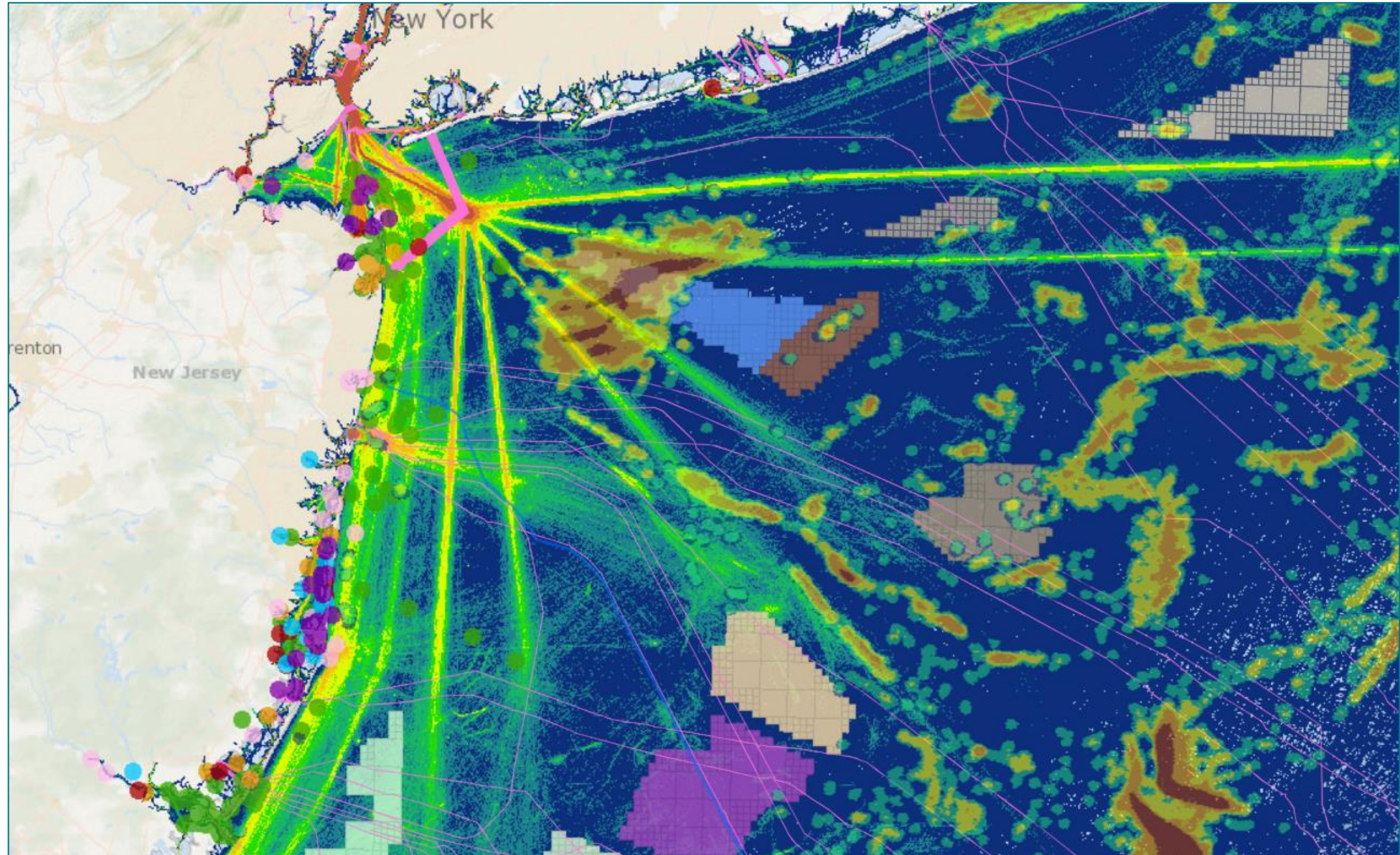


Marine Wildlife on the Mid-Atlantic Ocean Data Portal: The Five Minute Tour

Mid-Atlantic Ocean Forum
Wildlife Conservation Session
May 18, 2023
Jay Odell | Monmouth University Urban Coast Institute



The Mid-Atlantic Ocean Is a Very Busy Place for People ...



The Mid-Atlantic Ocean Is Also a Busy Place for Marine Wildlife...



The Portal is designed to inform Mid-Atlantic marine wildlife conservation planning and action



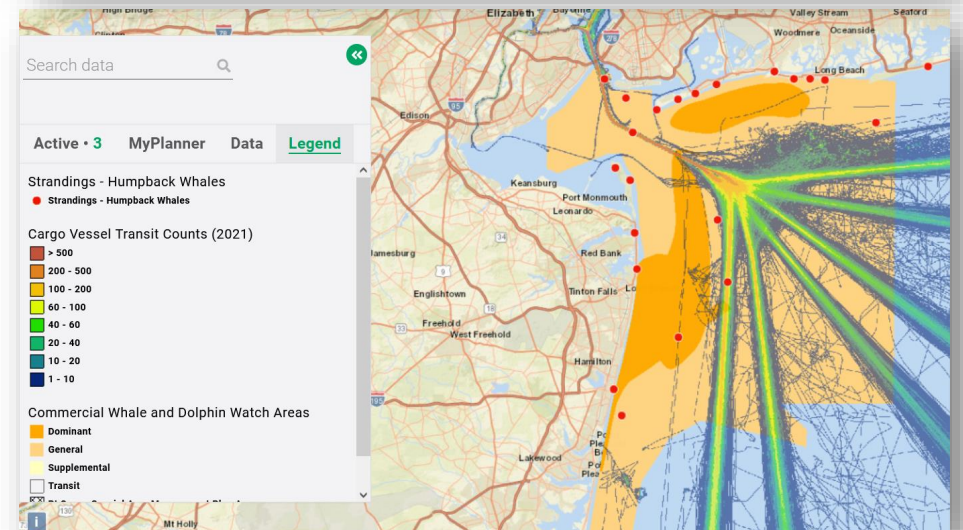
Mid-Atlantic region is essential migratory corridor with diverse taxa and species making annual north-south and cross-shelf migrations.



The Portal's world class marine wildlife model map layers are adaptively improved and provided to portal users with context, caveats, and tools for identifying conservation needs and opportunities.



The Portal's hundreds of map layers showing human uses can be used in overlays with marine wildlife layers to help stakeholders and managers characterize and evaluate risks.



What's on the Portal for Biodiversity and Marine Wildlife?



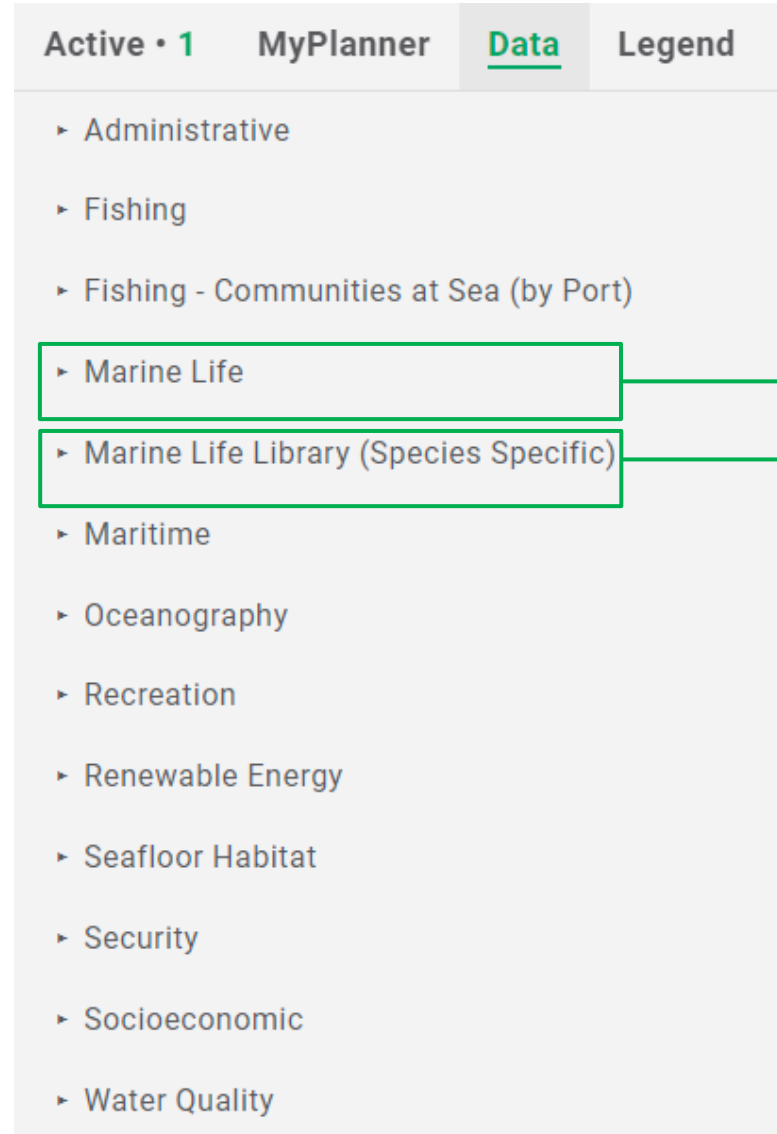
Map layers organized under 13 themes, >6K for Wildlife



Many other layers relating to wildlife conservation & tools for sharing and collaboration



Educational resources: “Ocean Stories” blog, calendar, webinars



Summary products for diverse birds, fishes, mammals, sea turtles

Very detailed species specific information

Marine Life Theme (1 of 2)

Active • 1

MyPlanner

Data

Legend

▶ Administrative

▶ Fishing

▶ Fishing - Communities at Sea (by Port)

▶ Marine Life

▶ Marine Life Library (Species Specific)

▶ Maritime

▶ Oceanography

▶ Recreation

▶ Renewable Energy

▼ Marine Life

i

▶ BIRD MIGRATIONS

○

i

▶ BIRDS

○

i

DEEP-SEA CORALS AND SPONGES (OBSERVED)

○

i

EFH HIGHLY MIGRATORY SPECIES

○

i

ESSENTIAL FISH HABITATS

○

i

ESTUARINE WETLANDS

○

i

▶ FISH SPECIES THROUGH TIME

○

i

▶ FISH SPECIES FUTURE PROJECTIONS

○

i

▶ FISH - SPRING 2010-2019

○

i

▶ FISH - FALL 2010-2019

○

i

▶ FISH TIME SERIES SLIDERS: 1980-2019 (SPRING AND FALL)

○

i

HABITAT FOR SOFT CORALS (MODELED)

○

Marine Life Theme (2 of 2)

Active • 1

MyPlanner

Data

Legend

▶ Administrative

▶ Fishing

▶ Fishing - Communities at Sea (by Port)

▶ Marine Life

▶ Marine Life Library (Species Specific)

▶ Maritime

▶ Oceanography

▶ Recreation

▶ Renewable Energy

i

▶ MARINE MAMMALS

✓

i

MARINE MAMMAL STRANDINGS: COUNTY SUMMARIES (2000-2020)

○

i

▶ MARINE MAMMAL STRANDINGS: BY SEASON (2000-2020)

○

i

▶ MARINE MAMMAL STRANDINGS: BY SPECIES/GROUP (2000-2020)

○

▶ PROPOSED PASSIVE ACOUSTIC NETWORK

○

i

SEAGRASSES

○

▶ SEA SCALLOPS

○

i

SEA TURTLES

○

i

SEA TURTLES SEASONAL SLIDER

○

i

TAGGED LOGGERHEAD SEA TURTLE DENSITY MONTHLY SLIDER

○

Let's go a little deeper: Marine Life Library

The image shows a web application interface for the Marine Life Library. On the left is a navigation menu with tabs: 'Active • 1', 'MyPlanner', 'Data' (highlighted), and 'Legend'. Below these are several categories: Administrative, Fishing, Fishing - Communities at Sea (by Port), Marine Life, Marine Life Library (Species Specific) (highlighted with a green box), Maritime, Oceanography, Recreation, Renewable Energy, Seafloor Habitat, Security, Socioeconomic, and Water Quality. A green arrow points from the 'Marine Life Library (Species Specific)' menu item to the right-hand panel. The right-hand panel is titled 'Marine Life Library (Species Specific)' and contains a list of data series, each with an information icon (i) and a selection circle. The series include: AVIAN ABUNDANCE, AVIAN ABUNDANCE 90% CONFIDENCE INTERVAL RANGE, AVIAN ABUNDANCE COEFFICIENT OF VARIATION, FISH BIOMASS NEFSC SPECIES, FISH BIOMASS NEAMAP SPECIES, MARINE MAMMAL ABUNDANCE, MARINE MAMMAL 5TH PERCENTILE, and Humpback whale abundance for January, February, March, April, May, and June. A search bar with the text 'Hu' and a close button (x) is visible above the list. The 'Humpback whale' series are expanded, showing a list of monthly abundance data.

Active • 1 MyPlanner Data Legend

- ▶ Administrative
- ▶ Fishing
- ▶ Fishing - Communities at Sea (by Port)
- ▶ Marine Life
- ▶ Marine Life Library (Species Specific)
- ▶ Maritime
- ▶ Oceanography
- ▶ Recreation
- ▶ Renewable Energy
- ▶ Seafloor Habitat
- ▶ Security
- ▶ Socioeconomic
- ▶ Water Quality

Marine Life Library (Species Specific)

- ▶ AVIAN ABUNDANCE
- ▶ AVIAN ABUNDANCE 90% CONFIDENCE INTERVAL RANGE
- ▶ AVIAN ABUNDANCE COEFFICIENT OF VARIATION
- ▶ FISH BIOMASS NEFSC SPECIES
- ▶ FISH BIOMASS NEAMAP SPECIES
- ▶ MARINE MAMMAL ABUNDANCE
- ▶ MARINE MAMMAL 5TH PERCENTILE
- ▶ Humpback whale, January abundance
- ▶ Humpback whale, February abundance
- ▶ Humpback whale, March abundance
- ▶ Humpback whale, April abundance
- ▶ Humpback whale, May abundance
- ▶ Humpback whale, June abundance

Search: Hu

What's Next?



Major updates last week!



Continued work to improve existing marine wildlife data products and to identify and fill key gaps.



Development of new Conservation Theme with enhanced layers characterizing area based wildlife conservation measures.



Questions?

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