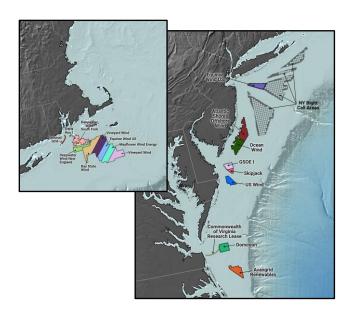
### ANALYSIS AND VISUALIZATION OF MARINE-LIFE DATA IN THE CONTEXT OF OFFSHORE WIND DEVELOPMENT

### THE CHALLENGE



- ► Review time for EIS is short, often 30-45 days.
- ► We live in a data-rich region, but difficult to query all these different pieces of information
- ► No reference of what to look for in each region

We want to make sure that key **habitats and species** are taken into consideration when making decisions, and that decisions are made using **best science and data** available

### **OUR PROJECT**



Leverage marine-life and habitat data available to provide guidance related to wind energy development.

- Review and update datasets
- Data analysis and interpretation
- Decision Support Tool

All guided by **Steering committee** of experts and potential users







## ANALYSIS AND VISUALIZATION OF MARINE-LIFE DATA IN THE CONTEXT OF OFFSHORE WIND DEVELOPMENT

### FROM INFORMATION TO DECISION-MAKING

INFORMATION

SPATIAL



2

SYNTHESIZE AND INTERPRET INFORMATION

Provide context at 3 levels:

- Over the region
- Over time
- Applied to an activity

3

REVIEW INFORMATION AND PLANNING

Impact Assessments, Reviews

MAKE DECISIONS BASED BEST AVAILABLE DATA

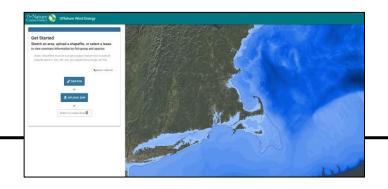




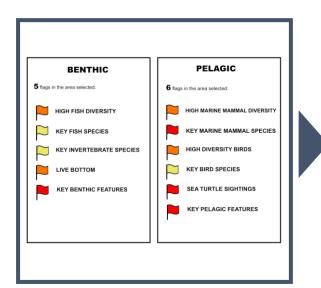


## ANALYSIS AND VISUALIZATION OF MARINE-LIFE DATA IN THE CONTEXT OF OFFSHORE WIND DEVELOPMENT

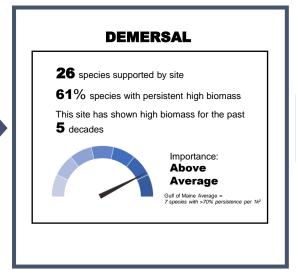
## UNPACKING ALL THE INFORMATION USING A DECISION SUPPORT TOOL



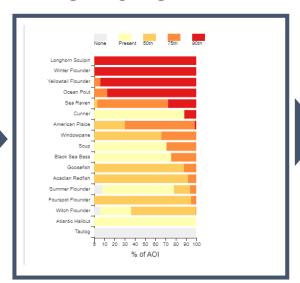
#### **OVERALL "FLAGS"**



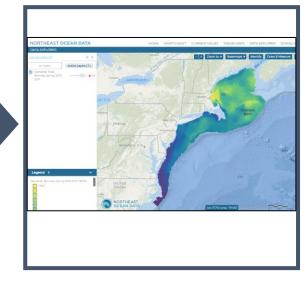
# **ECOLOGICAL GROUPINGS**



### **SPECIES DATA**



### DATA PORTALS





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