

# **Gulf of Maine Task Force Meeting**

Hotel 1620
Plymouth, Massachusetts

May 31, 2024

# **Gulf of Maine Engagement Meetings** – Spring 2024

#### Meeting Guidelines

Share the floor

Speak one at a time

Respect different views

Show others the respect you'd want

Tolerance of wide-ranging views

Civil behavior expected

Also, we're all together in a public meeting. Let's keep basic decorum, just like in a Fisheries Council meeting. No profanity, no threats, etc.



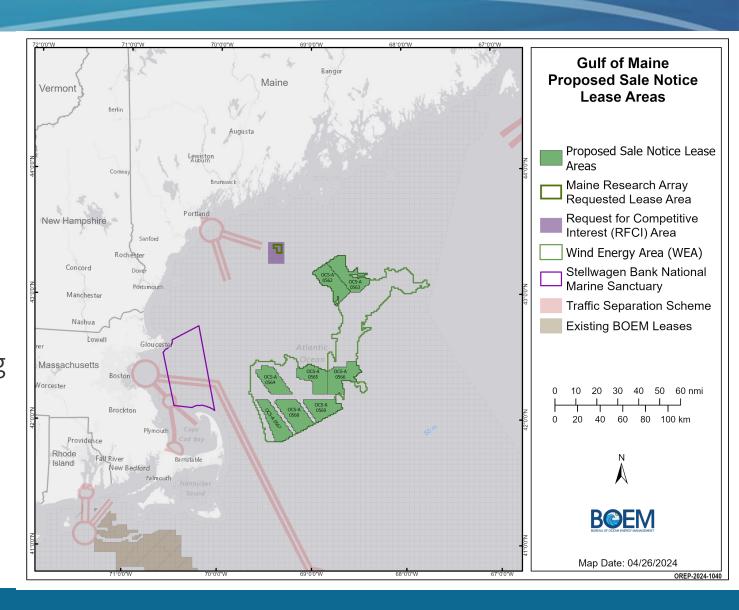
# **BOEM's Office of Renewable Energy Programs**

Agency Mission: facilitate the responsible development of renewable energy resources on the OCS through conscientious planning, stakeholder engagement, comprehensive environmental analysis, and sound technical review.



# **Proposed Sale Notice (PSN)**

- On April 30, 2024, the Interior
   Department <u>announced</u> its proposal for a first offshore wind energy auction in the Gulf of Maine.
- The PSN published in the <u>Federal</u>
   Register on May 1, 2024, initiating a
   60-day public comment, which closes
   on July 1, 2024.
- Individuals may comment by navigating to Regulations.gov and searching for BOEM-2024-0026, or by attending one of the BOEM public meetings on the PSN.

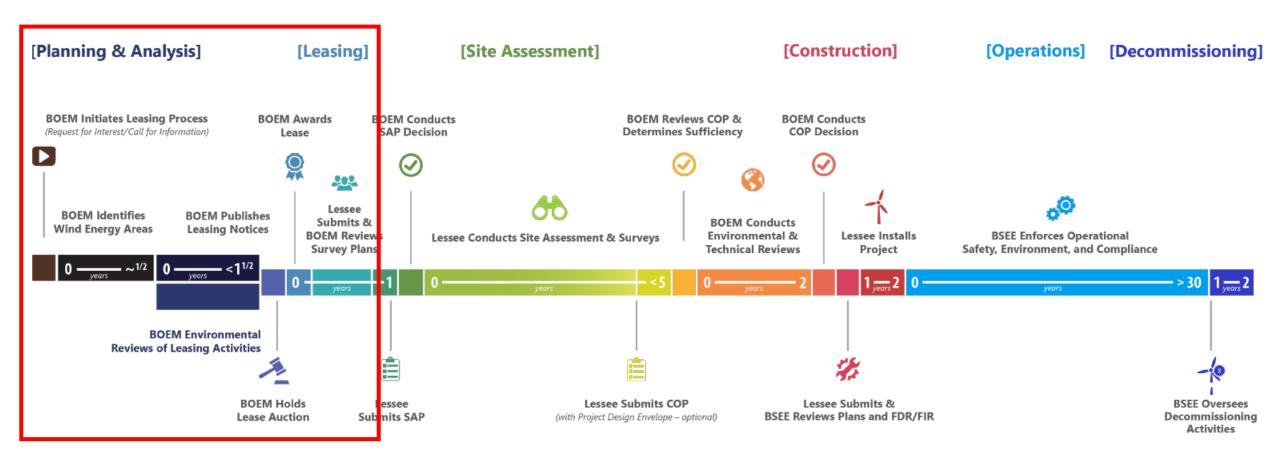


#### **Presentation Table of Contents**

- Renewable Energy Authorization Process
- Gulf of Maine Planning Process (from Planning Area to PSN Lease Areas)
- PSN Lease Stipulations
- PSN Auction Format & Bidding Credits
- PSN Public Meetings
- PSN Overlay Maps
  - Distance from shore, HVAC vs. HVDC, depth characterization
  - AIS vessel traffic, USCG MNMPARS, National Security
  - Avian Considerations
  - Fishing Industry
  - North Atlantic Right Whale
  - Habitat
  - Biomass
  - NMFS Surveys
- Energy Density Estimates
- New 5-Year Renewable Energy Leasing Schedule



### **Renewable Energy Authorization Process**

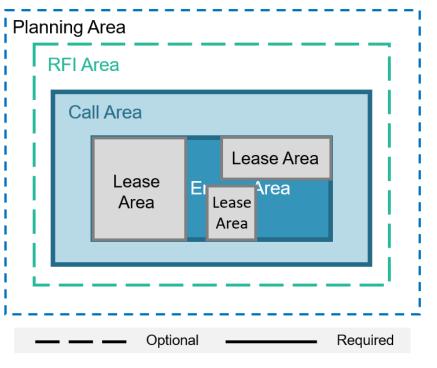






# **Gulf of Maine Planning & Leasing Process**





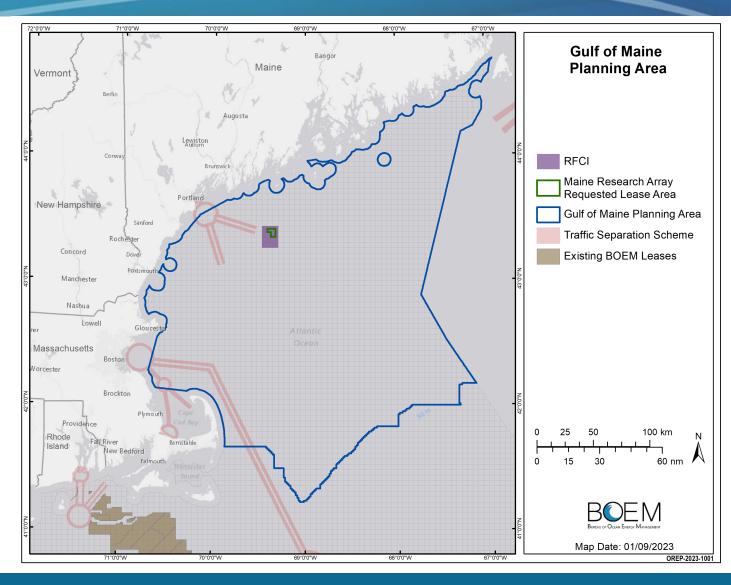




### **Planning Area**



- Preliminary and optional step in the BOEM Planning Process
- Shared Planning Area and Draft RFI Area at the <u>May 2022 Task Force</u> <u>meeting</u>







### Request for Interest (RFI) Area

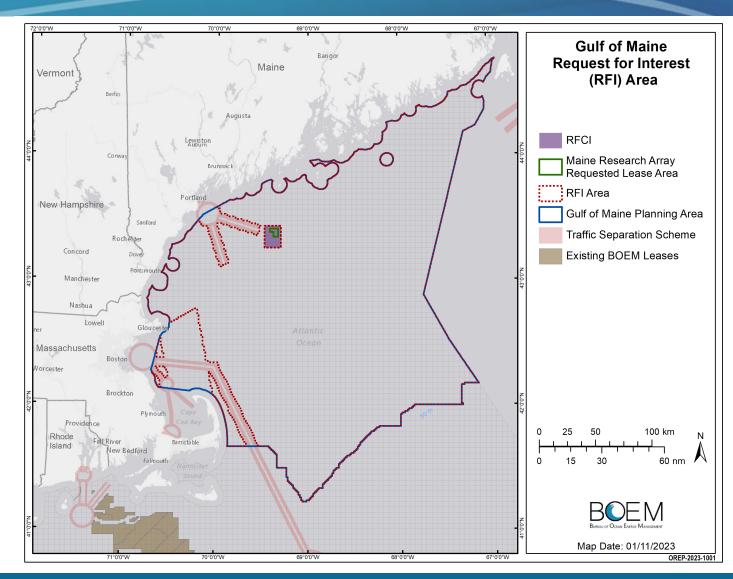


#### Published RFI on August 19, 2022

 45-day comment period closed October 3, 2022

#### RFI Area excluded "incompatible areas"

- National Park System, National Wildlife Refuge System, National Marine Sanctuary System, or any National Monument (§585.204)
- Existing Traffic Separation Schemes (TSS), fairways, or other internationally recognized navigation measures
- Unsolicited lease request areas that are the subject of a separate request for competitive interest



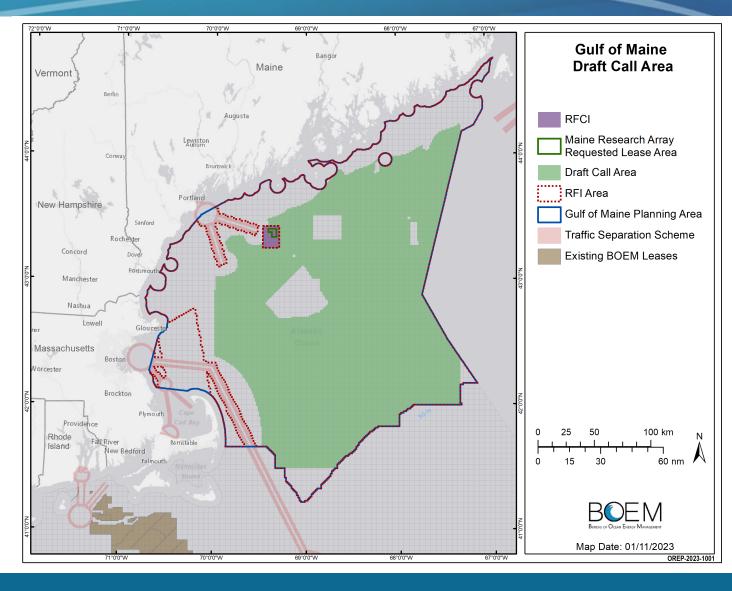




#### **Draft Call Area**



- BOEM reviewed responses to RFI and worked with NOAA NCCOS to conduct spatial analysis to inform Draft Call Area
  - 27% reduction from RFI Area
- BOEM held a series of in-person and virtual <u>meetings</u>.



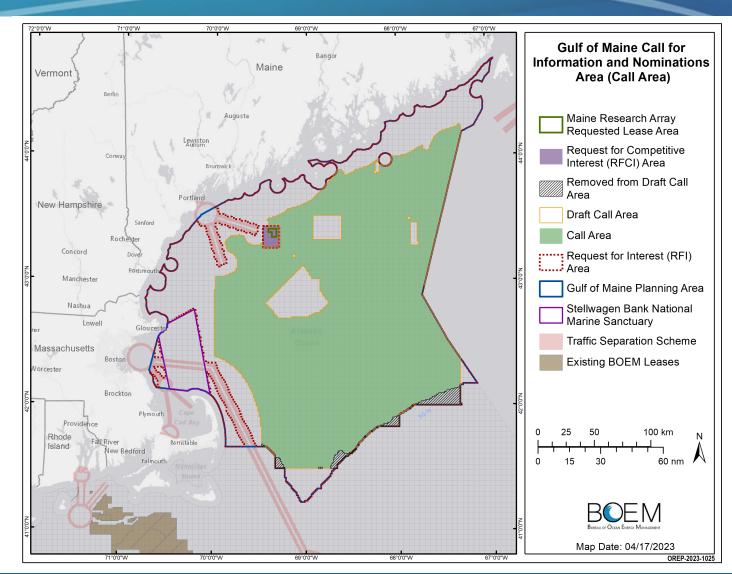




### **Final Call Area**



- The Final Call Area was published on April 26, 2023
  - 45-day public comment period (closed June 12, 2023)
- BOEM removed areas from the southern edge of the Call Area to better avoid Georges Bank
- BOEM held a <u>Task Force meeting</u> (<u>May 2023</u>) and invited public comment on, and assessed interest in, possible commercial wind energy development in areas within the Call Area.



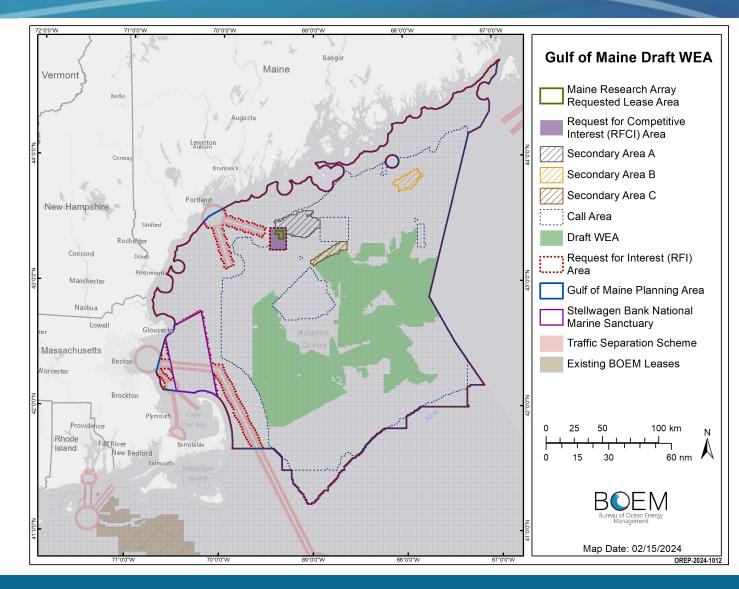




### **Area ID: Step 1 (Draft WEA)**

Planning Area RFI Area Draft Call Area Proposed Lease Areas Final Call Area Proposed Lease Areas Final Call Fi

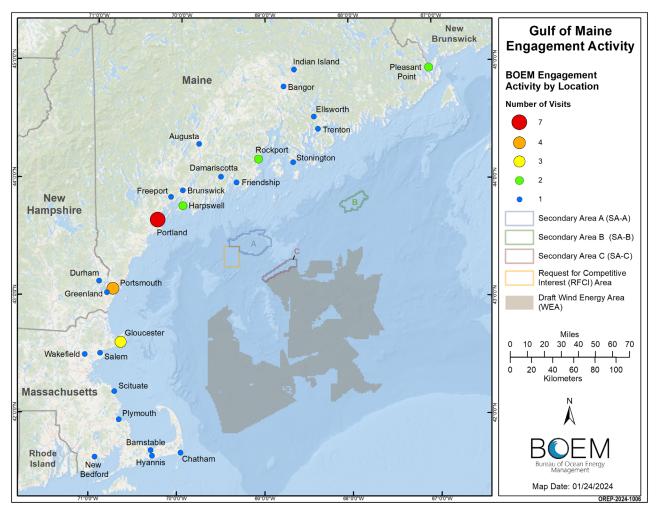
- Draft WEA was published on October 19, 2023—opening a 30-day public comment period (closed November 20, 2023)
- ~3.5 million acres, representing a 64% reduction from the Call.
- Request for Comment
  - Explained the Draft WEA and Secondary Areas
  - Asked questions about:
    - Relative developability of different areas
    - Phased leasing
    - Fishing gear used, migration patterns of fish, protected species
- Draft NCCOS Report: Wind Energy Siting Analysis
  - Modeling methodology
  - Model performance across different resource groups/stakeholder interests
- Public Meetings
  - BOEM held public meetings in <u>July 2023</u> on the NCCOS model and underlying data, before holding additional meetings in <u>October 2023</u> on the Draft WEA



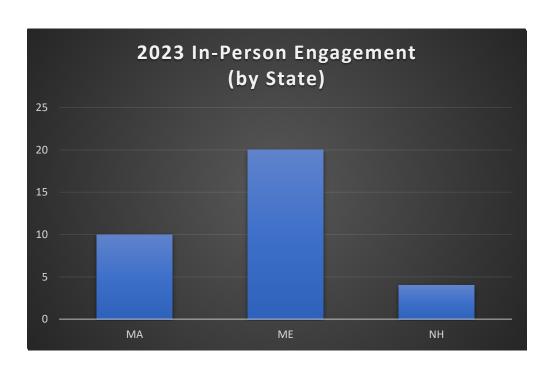




# **2023 Gulf of Maine Engagement**



Engagement in the map spans 2019-2023; however, all but 5 meetings took place in 2023



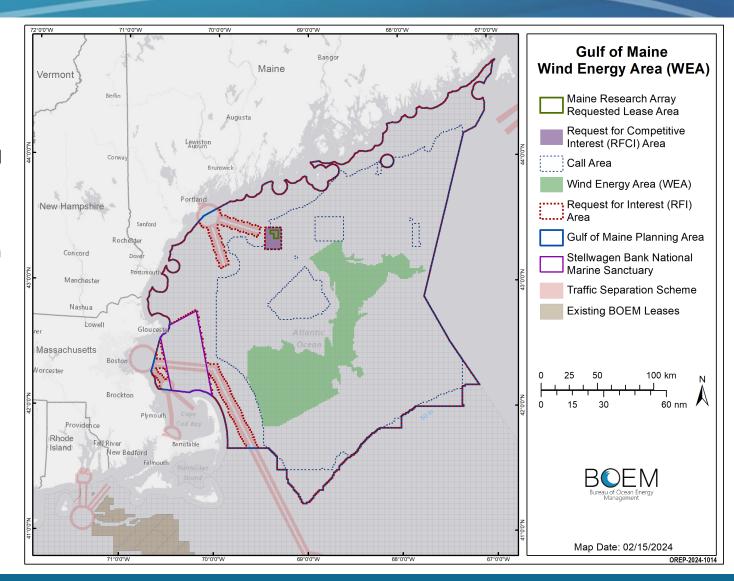
Specific to the Draft WEA, we held 7 meetings in ME, 6 in MA, 2 in NH



# **Area ID: Step 2 (Final WEA)**



- Area ID Memo: published March 15, 2024
- ~2 million acres (~80% reduction from Call Area; 43% reduction from Draft WEA)
  - Combined capacity of 32 gigawatts (4 MW/km2)
  - Exceeds area/capacity needed for regional offshore wind goals (13-18 gigawatts)
  - Area allows for additional deconfliction
  - Could support multiple GoME Lease Sales
- BOEM worked with NCCOS to run a revised suitability model on the Draft WEA
  - Removed Secondary Areas A & B, included most of C
  - Constrained
    - Area representing top 10% of revenue for the multispecies groundfish (VTR)
    - 5-mile buffer around Cashes Ledge Groundfish Closure/HMA
- Geographic diversity
  - Includes areas that are potentially HVAC compatible (within ~75 mi of a POI) for both MA and ME
  - Avoids several key fishing grounds and important areas of North Atlantic Right Whale Critical Habitat, Tribal fishing grounds







### **Proposed Sale Notice (PSN)**



#### Area summary:

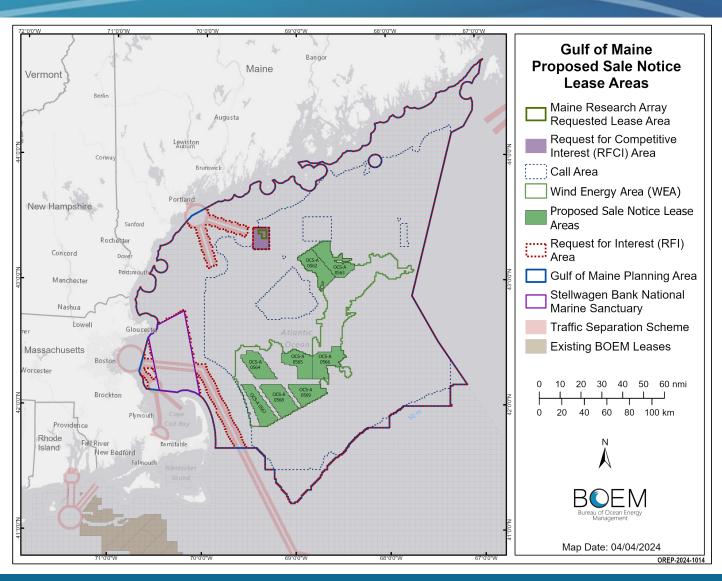
- 8 Leases
- 969,999 acres (944,422 "developable" acres)
- ~50% reduction from the Final WEA;
   ~90% reduction from the Call Area
- Average lease size: 121,250 acres
- Combined capacity of 15 gigawatts (4 MW/km2)
- Within range of the regional offshore wind goals (13-18 gigawatts)

#### Geographic diversity

 Includes areas that are potentially HVAC compatible (within ~75 mi of a POI) for both MA and ME

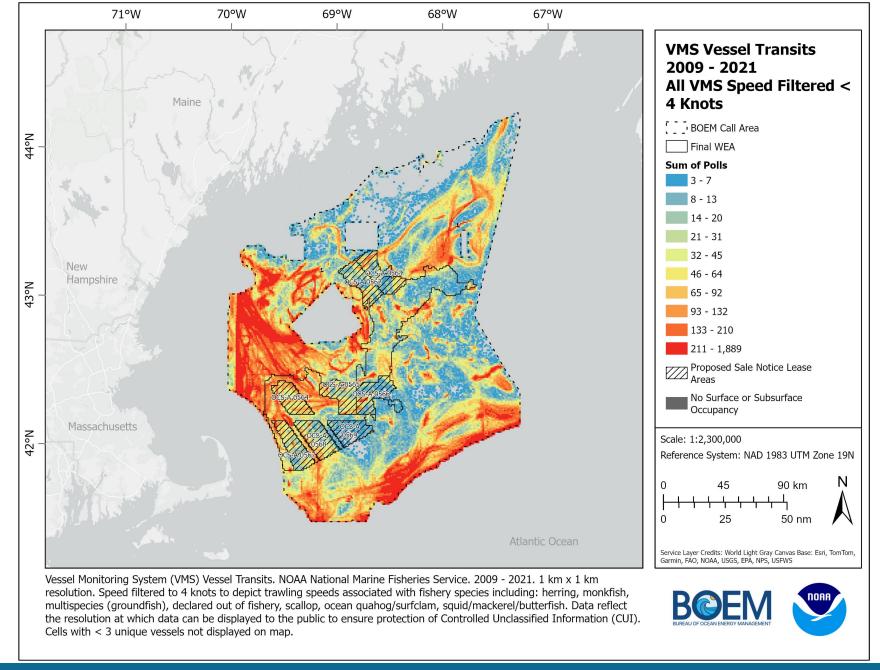
#### Areas avoided from Final WEA:

- Several heavily utilized areas for groundfish fishery
- 3 transit corridors in southern region of WEA
- Mayo Swell; Rogers Swell (important fishing/habitat areas)
- Areas furthest offshore and likely most expensive to develop



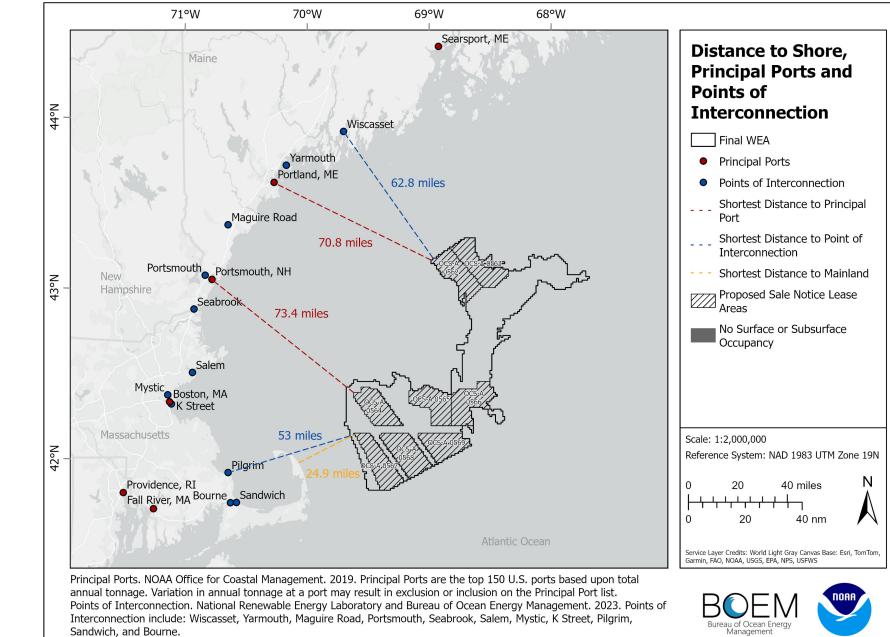






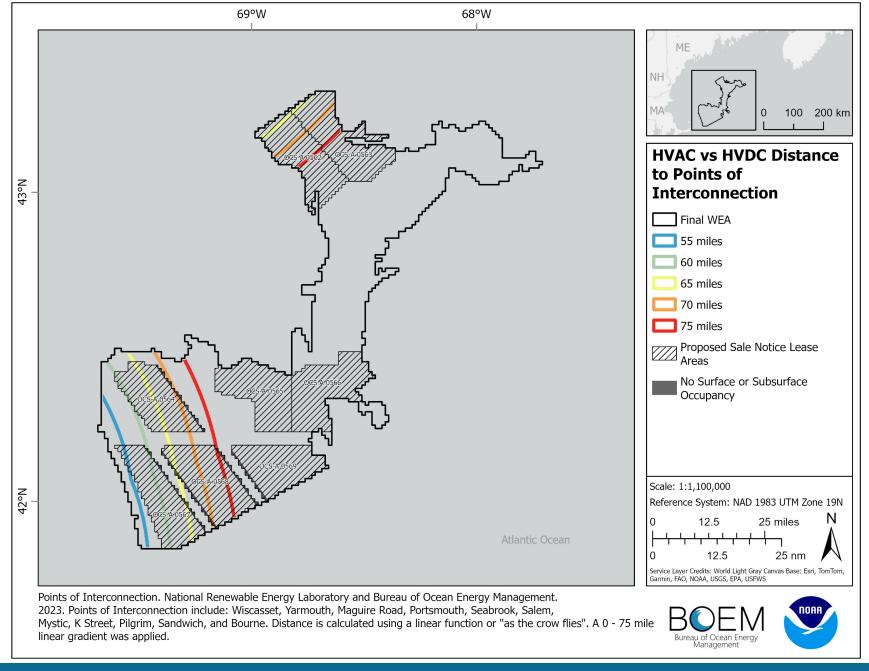






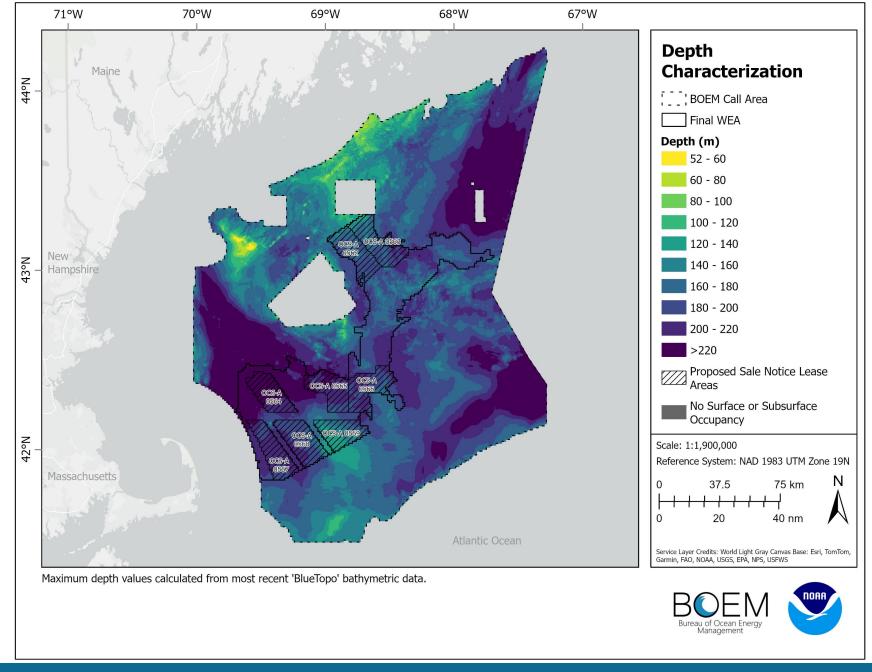






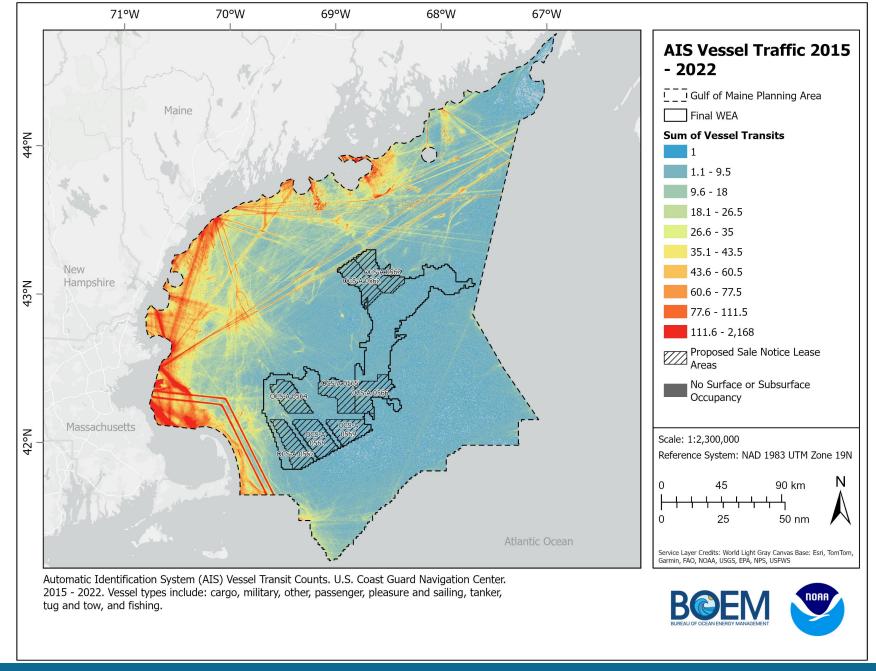






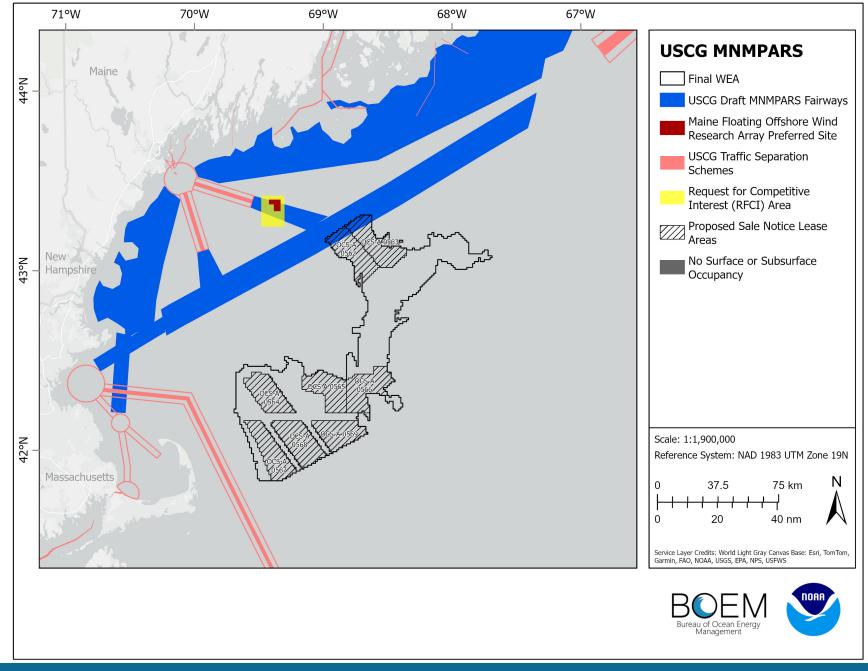






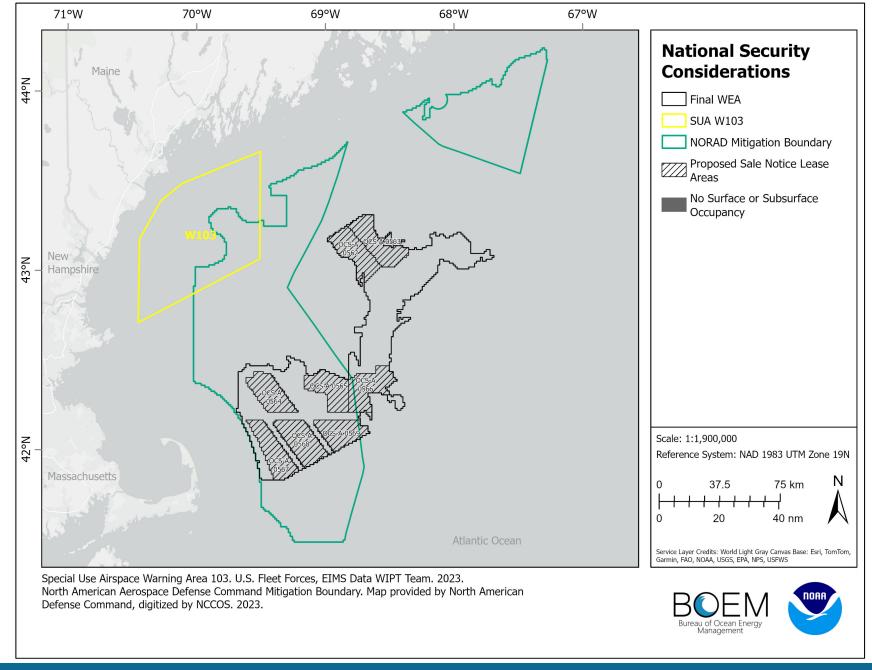






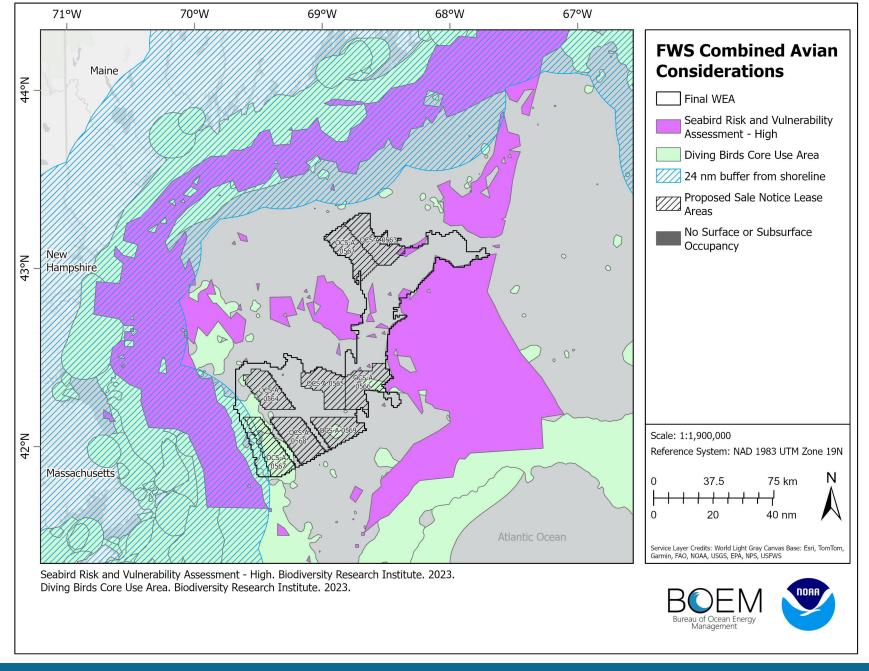






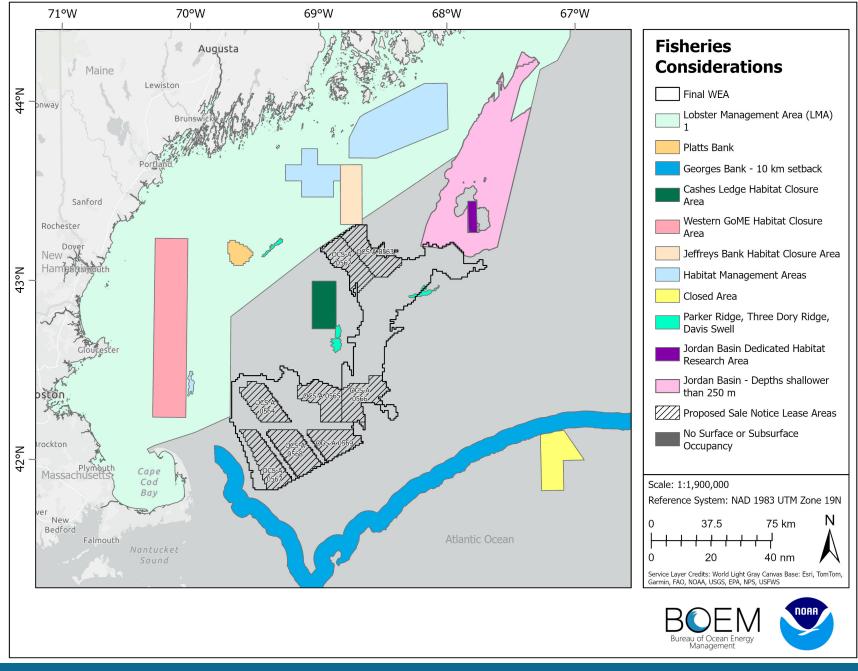






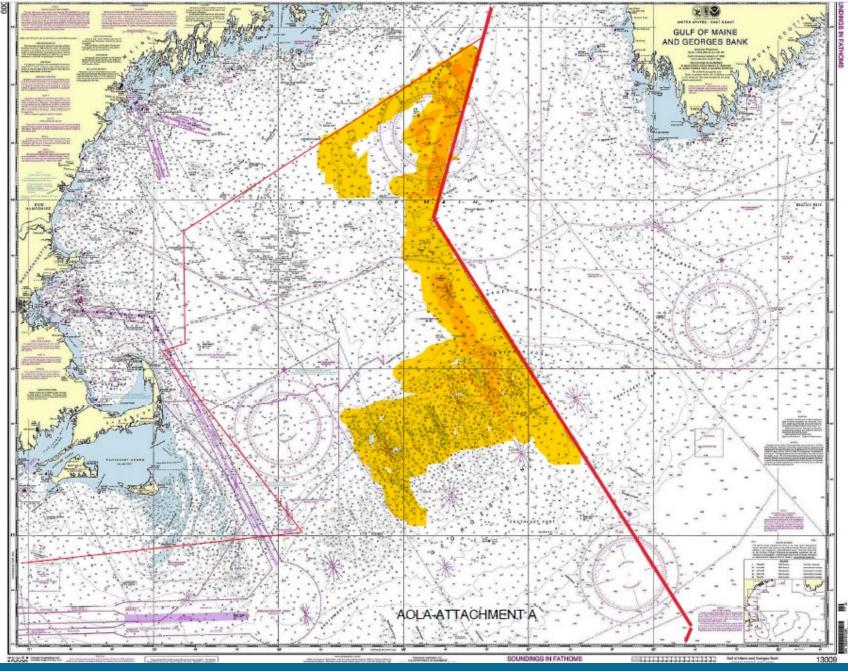






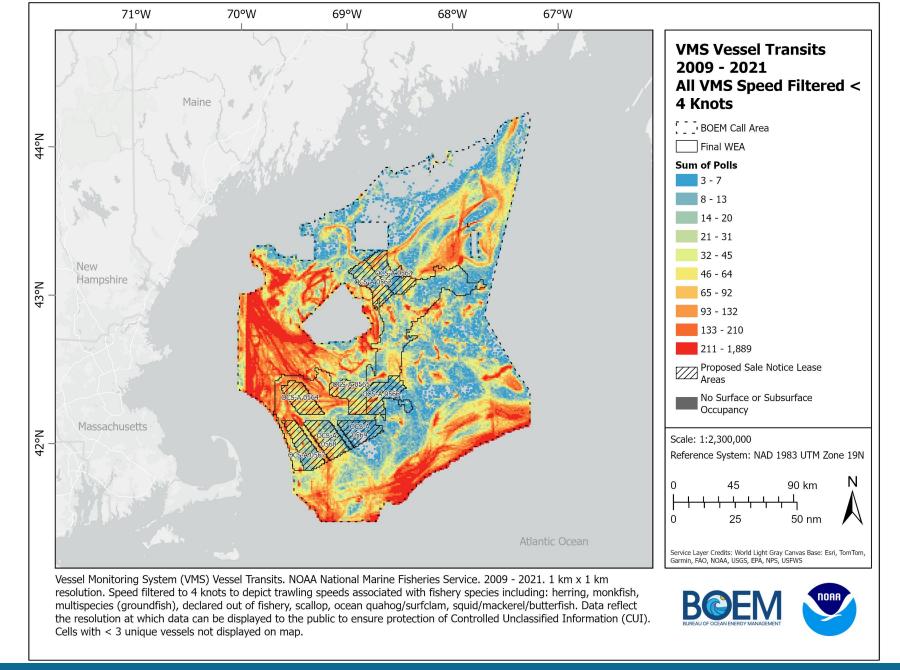






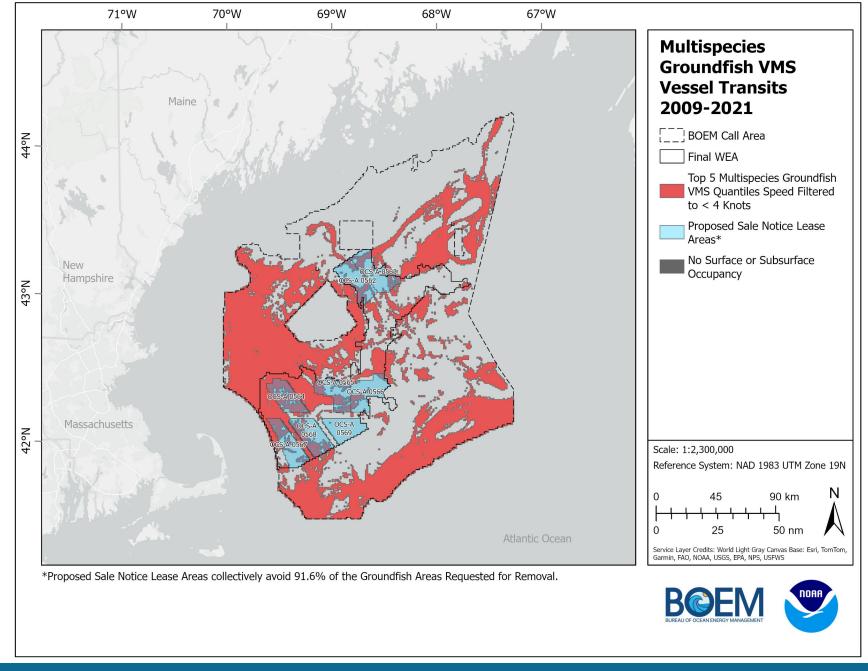






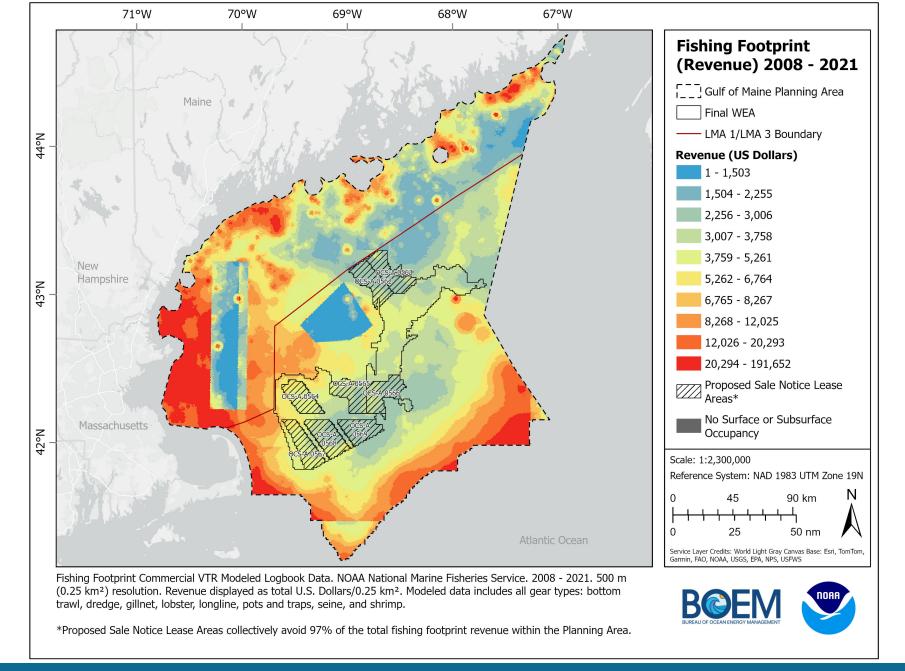






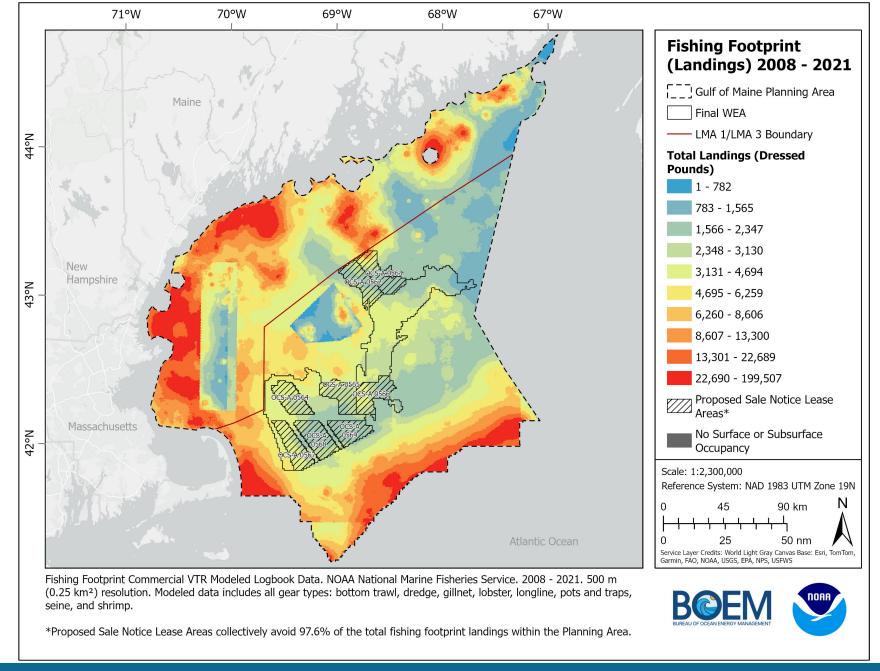






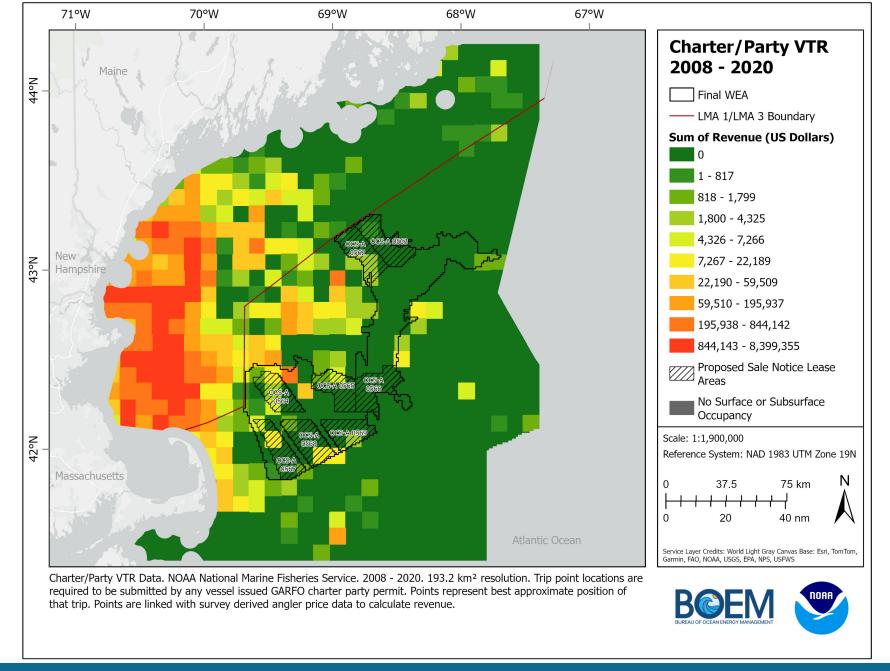






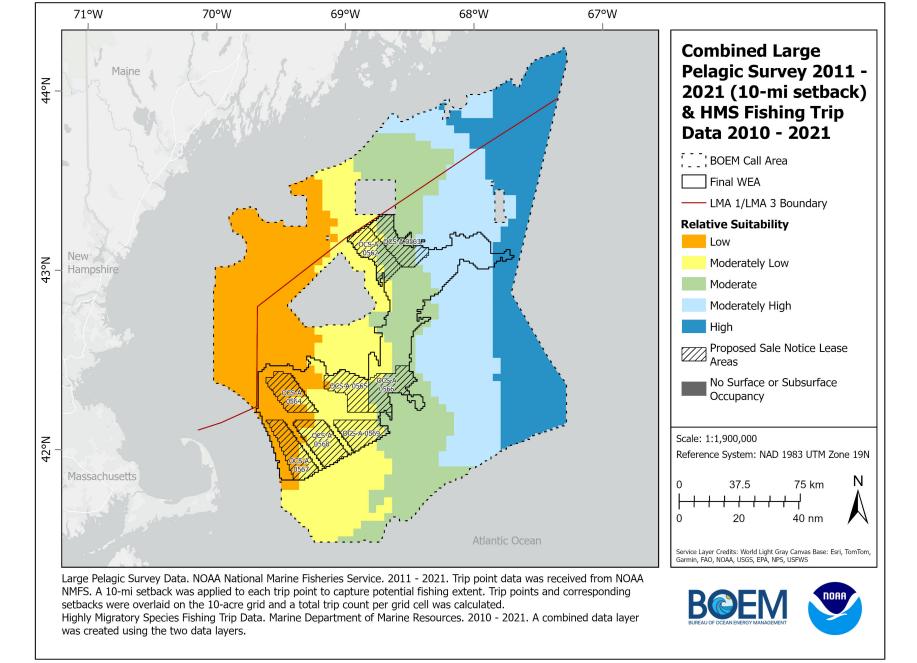






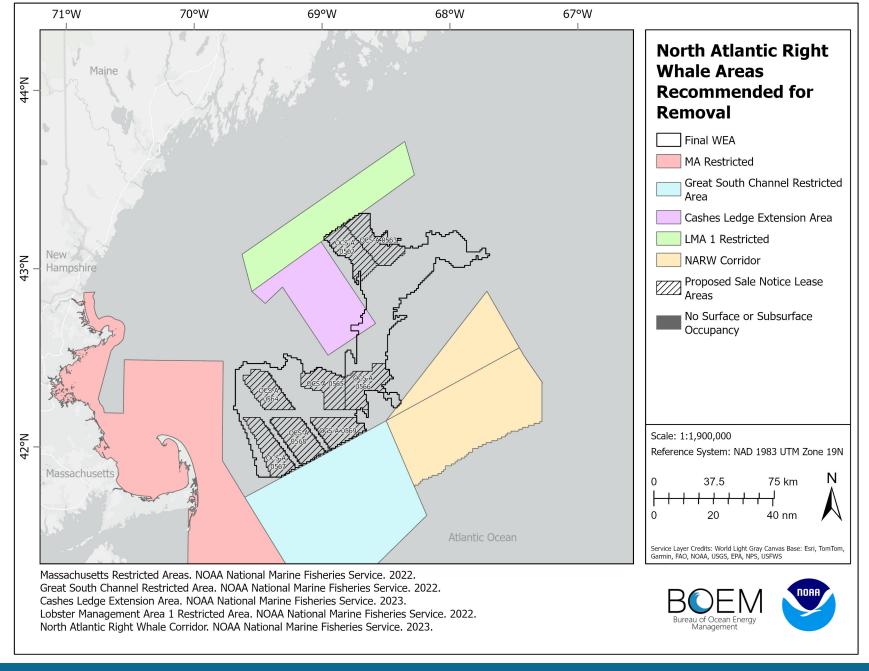






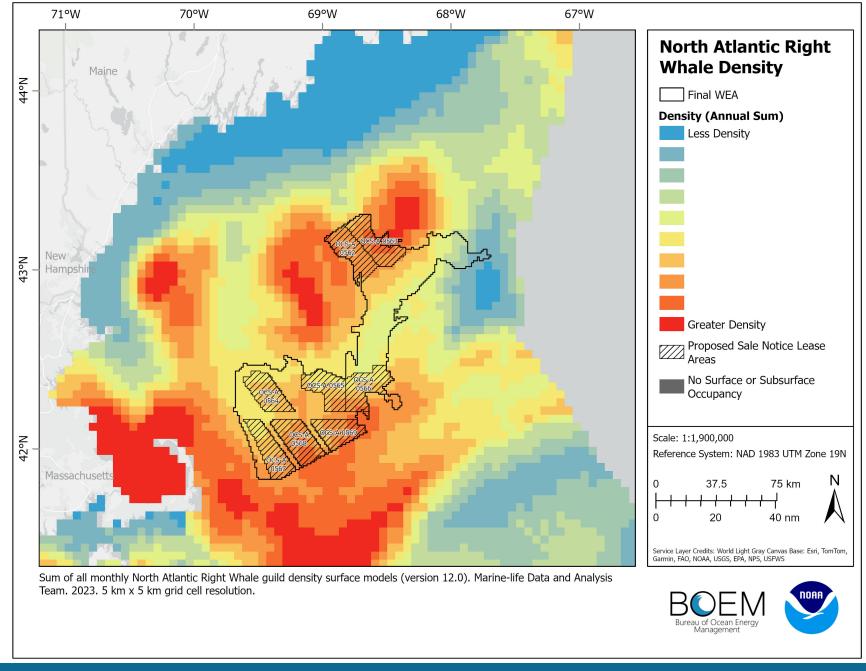






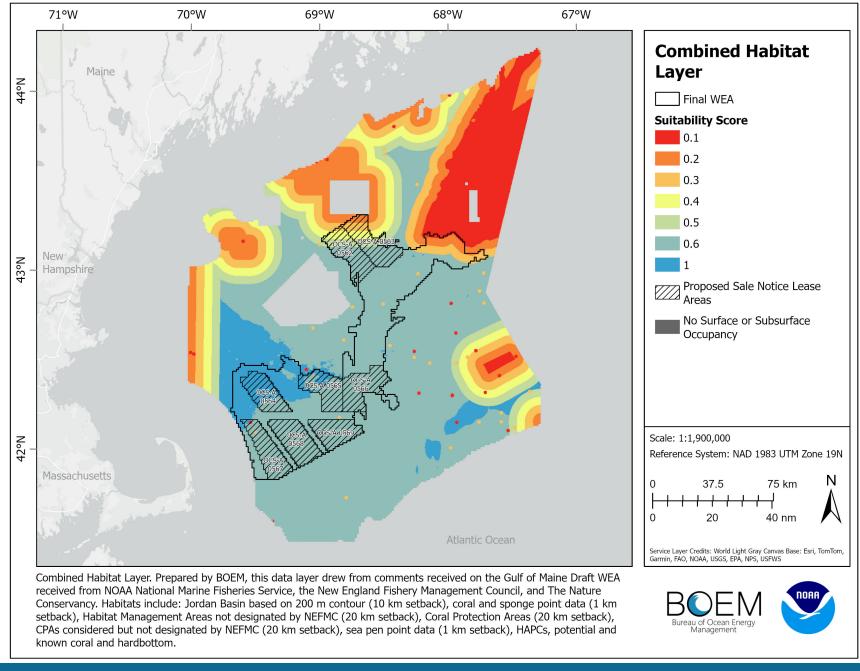






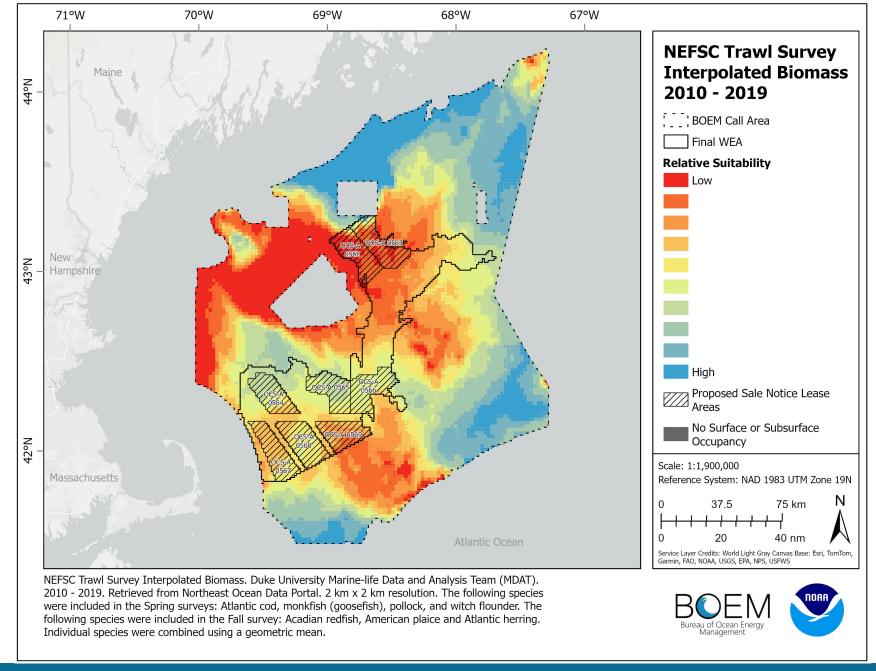






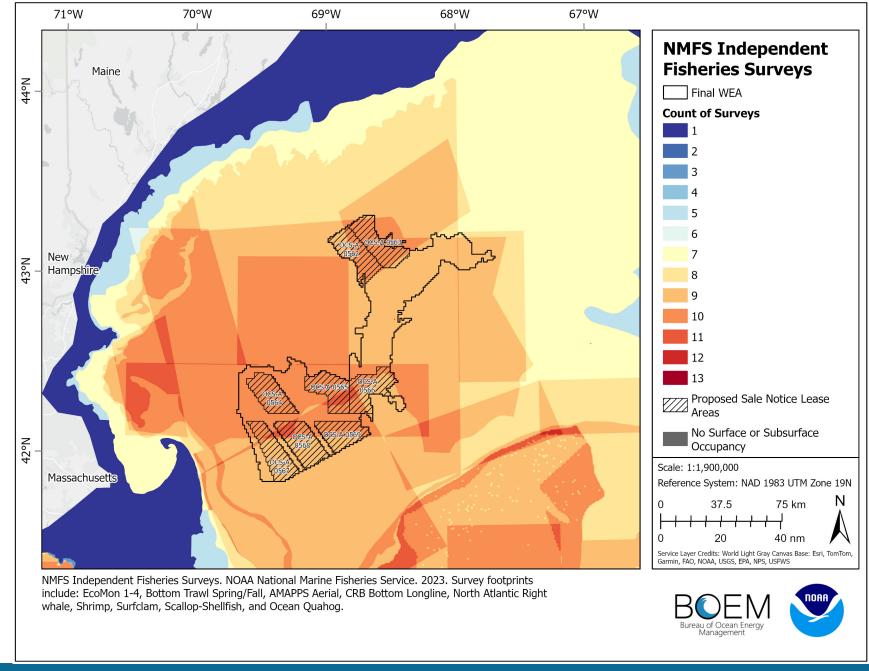
















# Renewable Energy Goals: How many acres are needed?

- Planning and Analysis phase is based on winnowing – starting large, receiving feedback and deconflicting
- Spatial modeling acreage assumptions
  - Call and Draft WEA comments documented several capacity requests
  - MA − 10 GW of capacity by 2050
  - $_{\circ}$  ME 3 GW of capacity by 2040
  - ISO-NE − 18GW
  - American Clean Power 20 GW
- PSN Lease Areas are ~ 944,000 acres (developable acres).

#### Capacity (GW) to acreage - Energy Density\*

| MW     | PLANNING DENSITY (Old)  ~0.012 MW/acre or 3 MW/km² | PLANNING DENSITY (New)  ~0.016 MW/acre or 4 MW/km² | AVERAGE DENSITY OF BOEM PROPOSED PROJECTS  ~ 0.019 MW/acre or 4.7 MW/km² |
|--------|--|--|--|
| 13,000 | 1,083,333  | 812,500  | 684,211  |
| 18,000 | 1,500,000  | 1,125,000  | 947,368  |
| 20,000 | 1,666,667  | 1,250,000  | 1,052,632  |

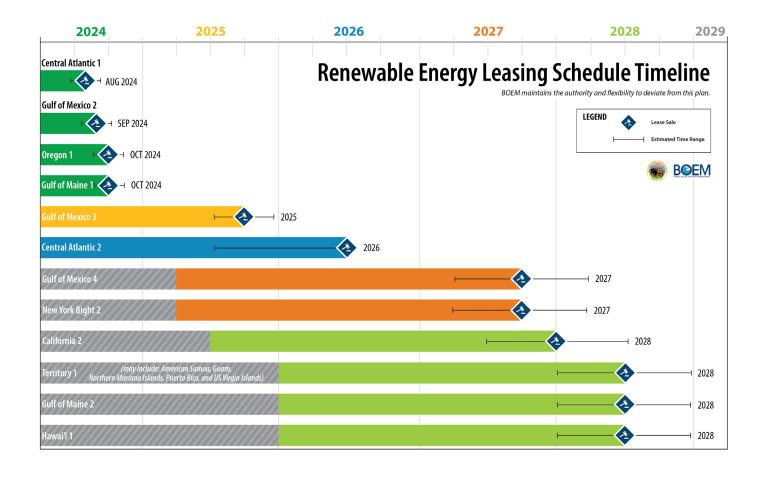
<sup>\*</sup>Energy density estimates are highly variable, and mostly based on fixed offshore wind experience.





# 5-Year Renewable Energy Leasing Schedule

- April 2024, Secretary Haaland <u>announced</u> new 5-year renewable energy leasing schedule
- Required under new "Modernization Rule"
- Gulf of Maine-2 sale is envisioned for 2028.
  - BOEM asked about "Phased leasing" approach when we <u>published the Draft</u> WEA in October 2023.
  - Area Identification memo referenced broad support received for a phased leasing; however, recommendations for scale and timing of phases varied widely across individuals and stakeholder groups.
  - The Secretary's announcement is a continuation of this conversation on "phased leasing"
  - The timing and scope of a second Gulf of Maine sale would be directly informed by the results of the 2024 sale, as well as the future position of potentially affected Tribes, Gulf of Maine states, stakeholder engagement, relevant market conditions, and regional energy goals.







#### **PSN:** Lease Area Details

| PSN Areas  | Region | Total Acres | Developable Acres |
|------------|--------|-------------|-------------------|
| OCS-A 0562 | North  | 121,339     | 121,339           |
| OCS-A 0563 | North  | 132,369     | 132,369           |
| OCS-A 0564 | South  | 110,308     | 105,499           |
| OCS-A 0565 | South  | 115,290     | 115,290           |
| OCS-A 0566 | South  | 127,388     | 127,388           |
| OCS-A 0567 | South  | 123,118     | 117,391           |
| OCS-A 0568 | South  | 134,149     | 123,389           |
| OCS-A 0569 | South  | 106,038     | 101,757           |
| Total      |        | 969,999     | 944,422           |
| Average    |        | 121,250     | 118,053           |

