

Coastal & Marine Spatial Planning

from a renewable energy perspective



Office of Science & Technology Policy
Executive Office of the President

The Challenge

- Human & ecosystem health threatened by toxins, HABs
- Warming waters impacting ecosystem structure & function
- Coastal communities are facing sea level rise & storm surge
- Decreased biodiversity from overfishing & invasive species
- AND imprinted over these challenges is increased human use



Science-Based Policy



Pacific sunrise from space



Federal Interagency Effort

President Obama established the Interagency Ocean Policy Task Force June 2009, led by the Council for Environmental Quality:

“We have a stewardship responsibility to maintain healthy, resilient, and sustainable oceans, coasts, and Great Lakes resources for the benefit of this and future generations.”

- Charged the Task Force to deliver a national Ocean Policy in 90 days & a Coastal & Marine Spatial Planning Framework in 120 days
- Over 20 Federal agencies; 10’s of working groups; >100 stakeholder listening sessions; 6 national stakeholder workshops
- The Ocean Policy, including Coastal & Marine Spatial Planning, formalized as Executive Order 13547 in July 2010

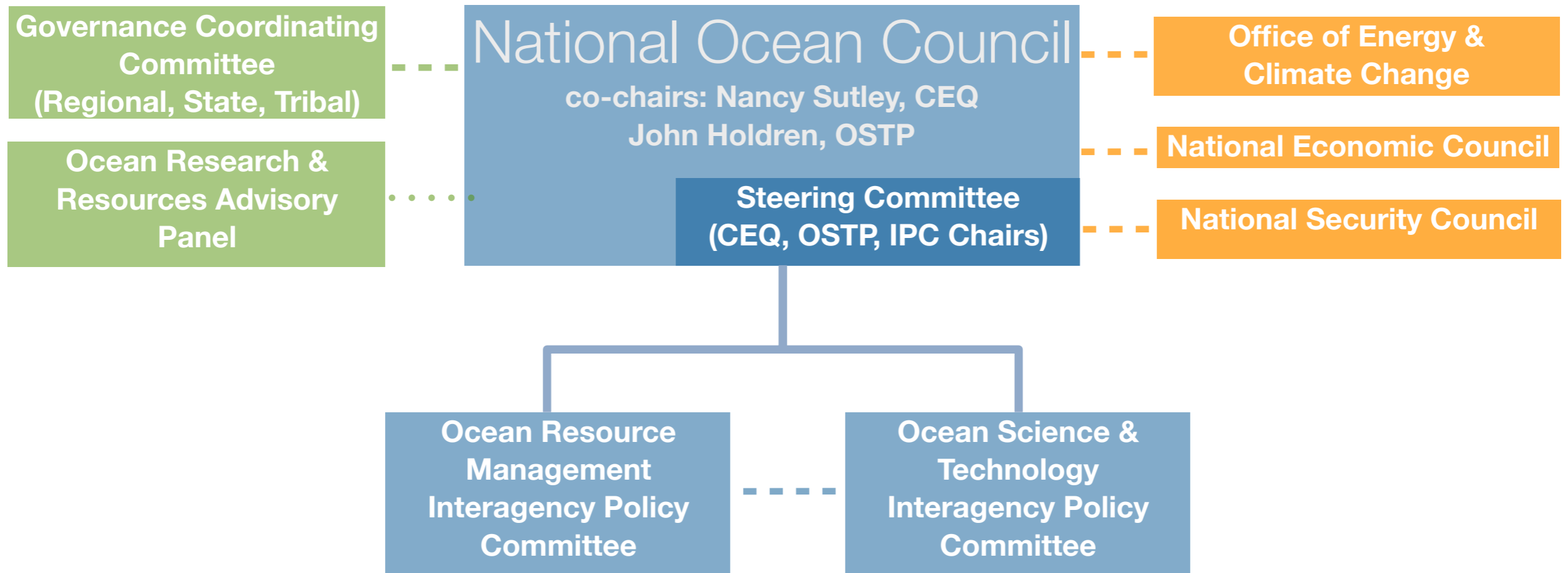


National Ocean Policy

- Four priority objectives:
 - ✓ Ecosystem-based management
 - ✓ **Coastal and marine spatial planning**
 - ✓ Inform decisions & improve understanding using sound science
 - ✓ Coordinate & support regional management across agencies
- Five areas of special focus:
 - ✓ Resiliency & adaptation to climate change & ocean acidification
 - ✓ Regional ecosystem protection & restoration
 - ✓ Water quality & sustainable practices on land
 - ✓ Changing conditions in the Arctic Ocean
 - ✓ Ocean, coastal & Great Lakes observations & infrastructure



Governance Structure



Highlights of the CMSP Guiding Principles

- based on local objectives
- ecosystem-based approach....while promoting **multiple** sustainable uses which can increase certainty and predictability for economic investments
- informed by the best science information, including the natural and social sciences
- adaptive and flexible to accommodate changing environmental conditions and impacts....including new and emerging uses, advances in science and technology
- implemented in accordance with applicable Federal, State, and international laws, regulations, and Executive Orders
- will not inhibit any current local, state or regional activities



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Regional Plans



Our Largest Ocean Renewable Source



Resource Assessment out to 50 nm

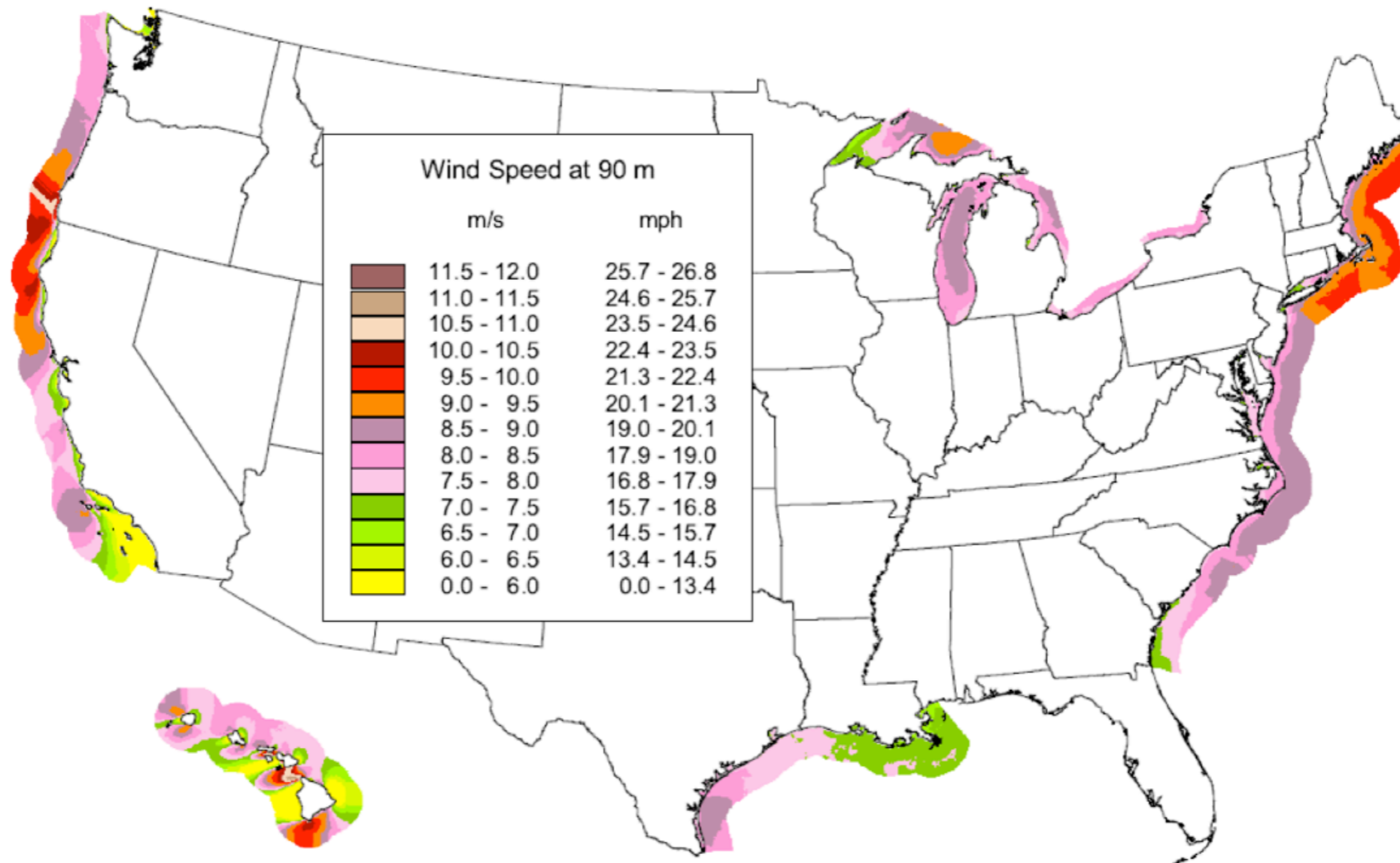


Figure 1. United States offshore wind resource at 90 m above the surface.



Resource Assessment out to 50 nm

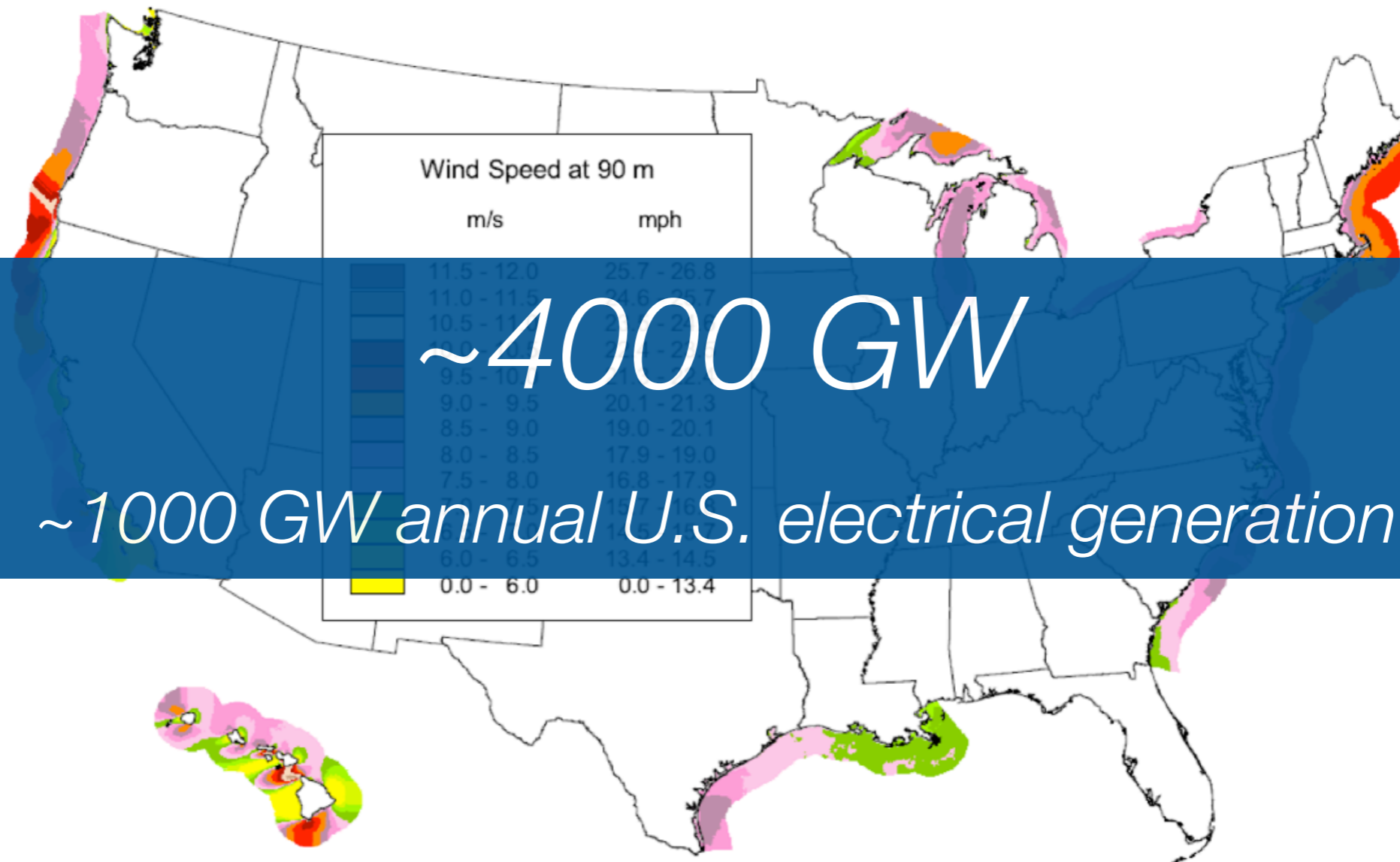


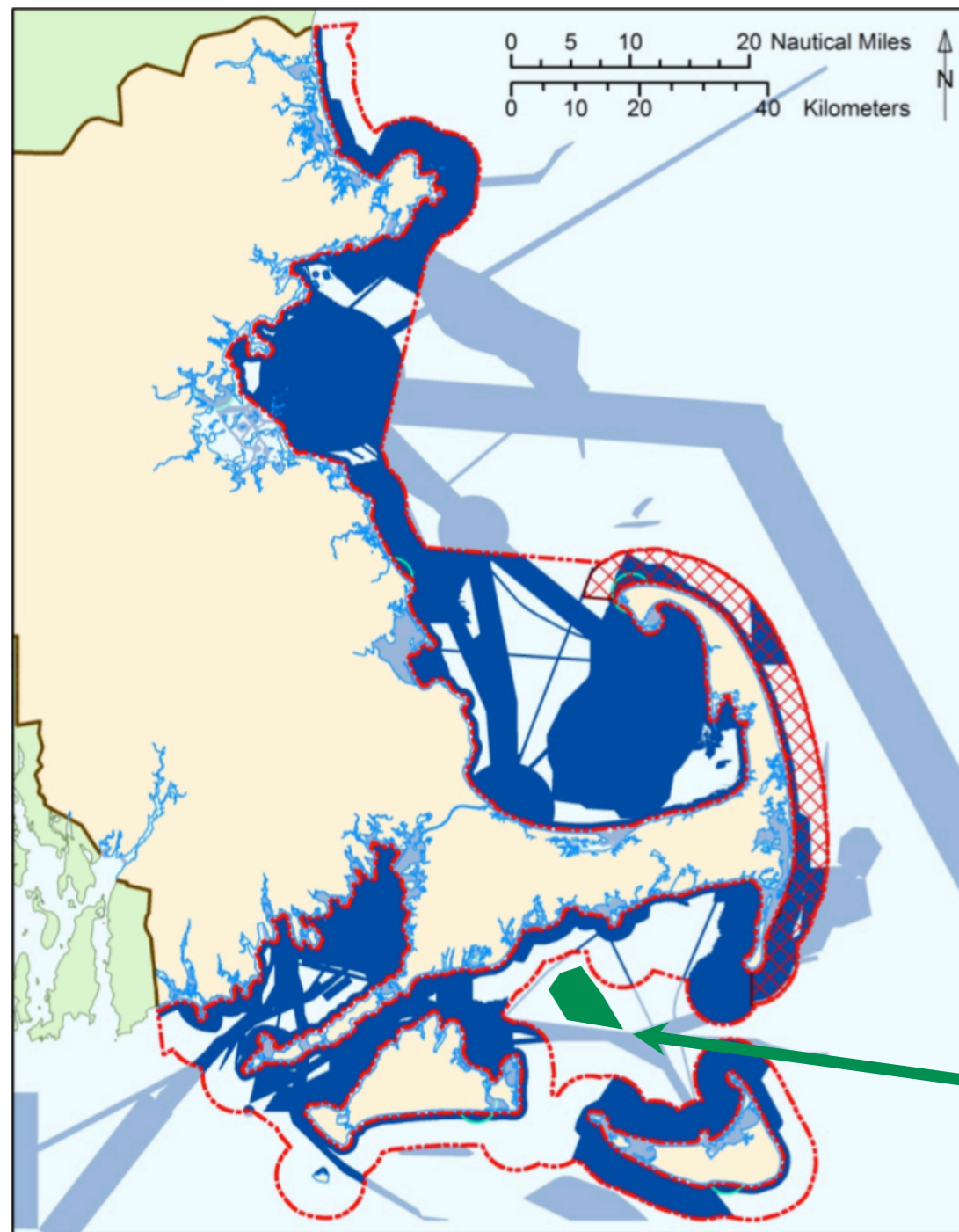
Figure 1. United States offshore wind resource at 90 m above the surface.



Early State Efforts



Massachusetts Example



- Planning area boundary
- Prohibited area
- Exclusionary criteria

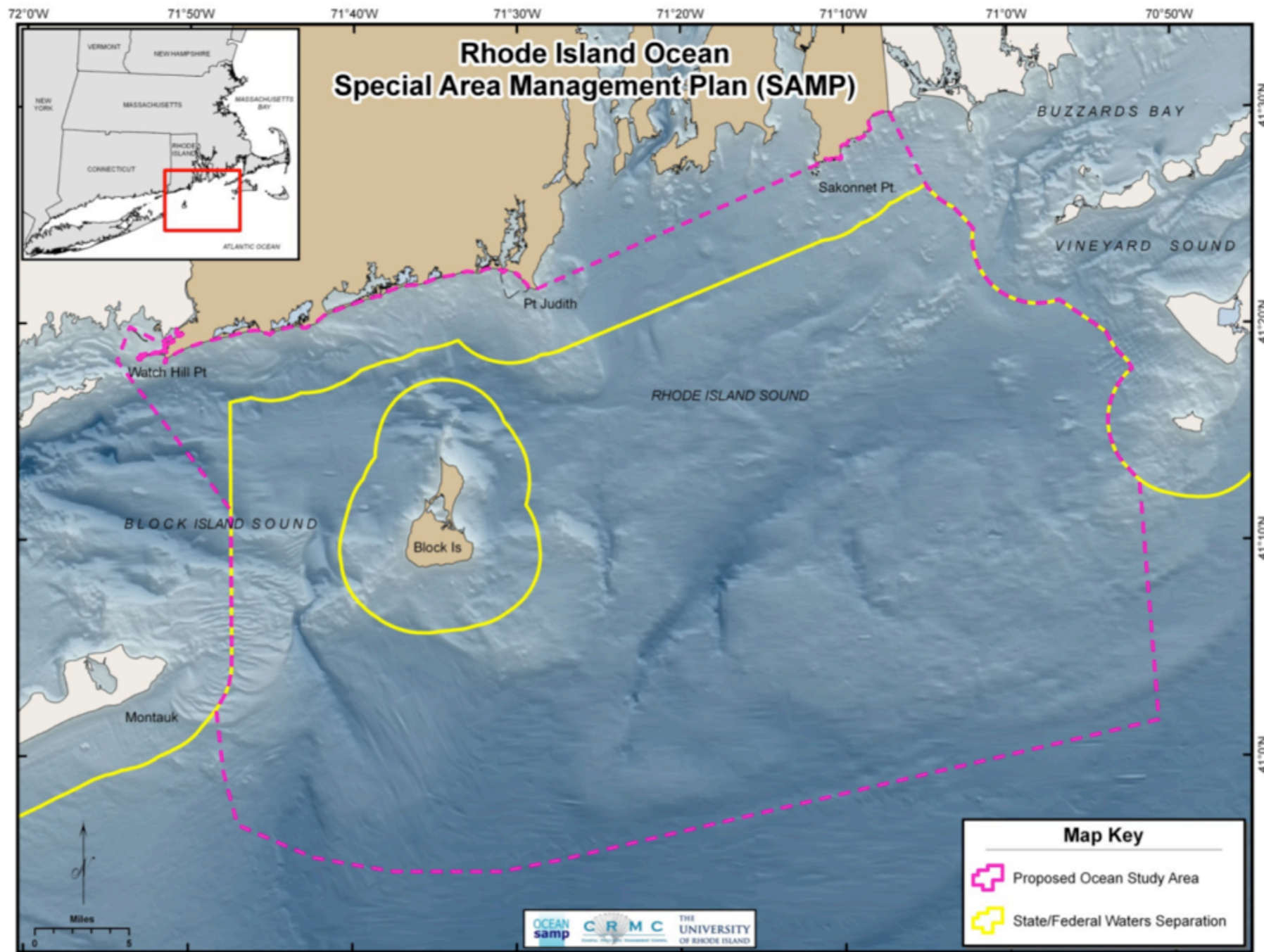
Map coordinate system: North American Datum of 1983 (NAD83), Massachusetts State Plane Coordinate System, Mainland Zone (FIPS zone 2001), meters.



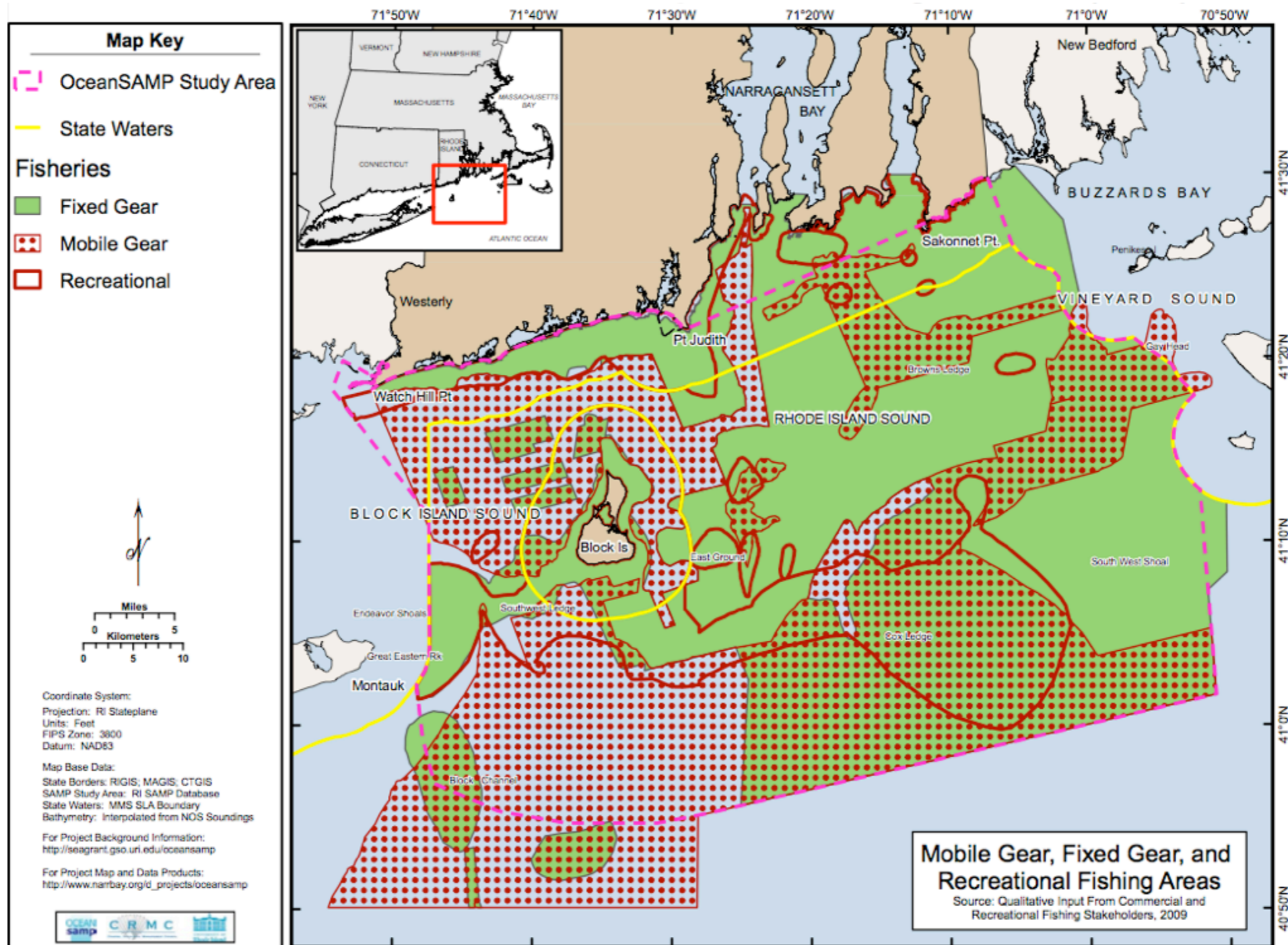
location for Cape Wind



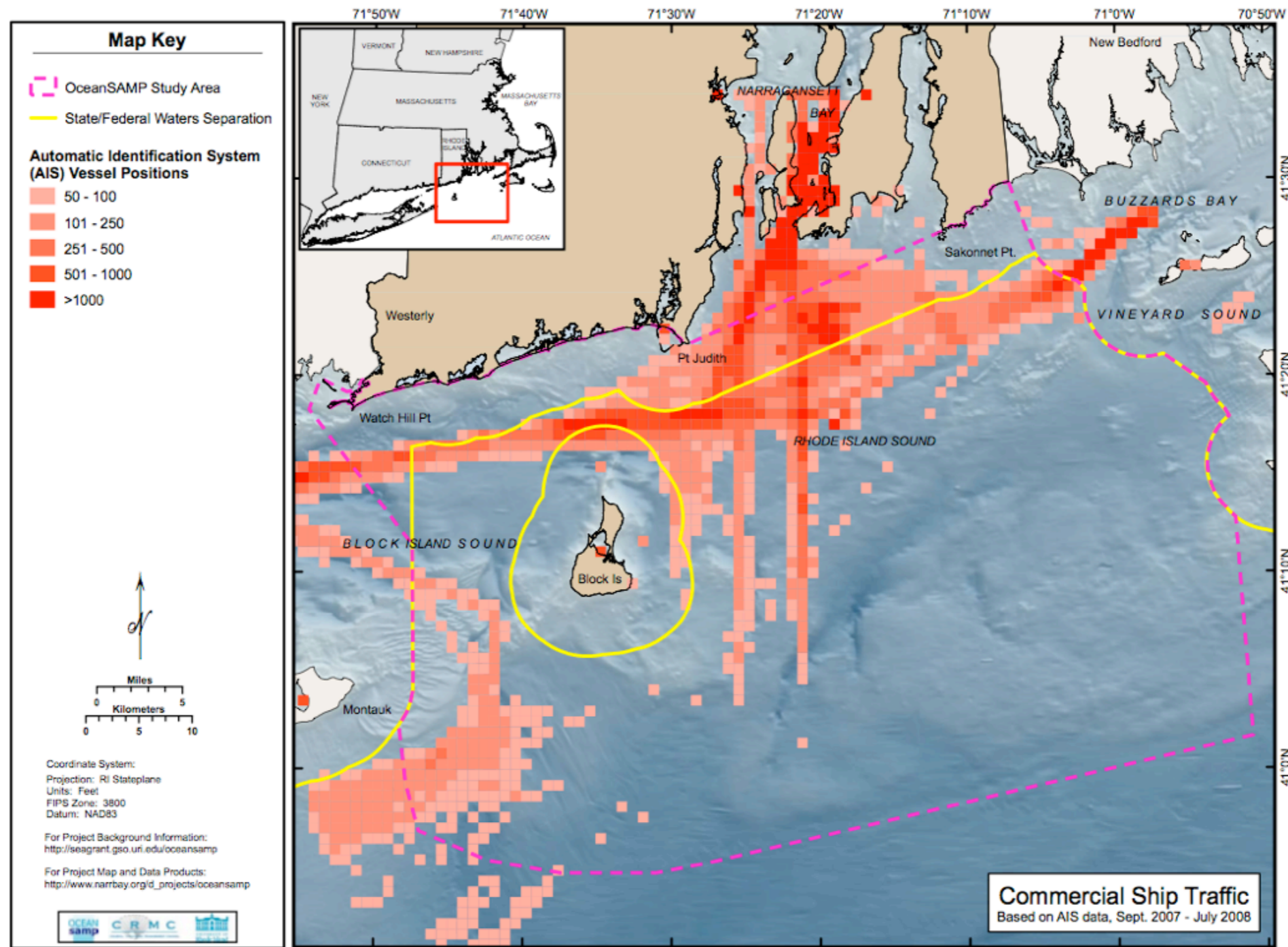
RI Ocean SAMP Area: Renewable-Driven Plan



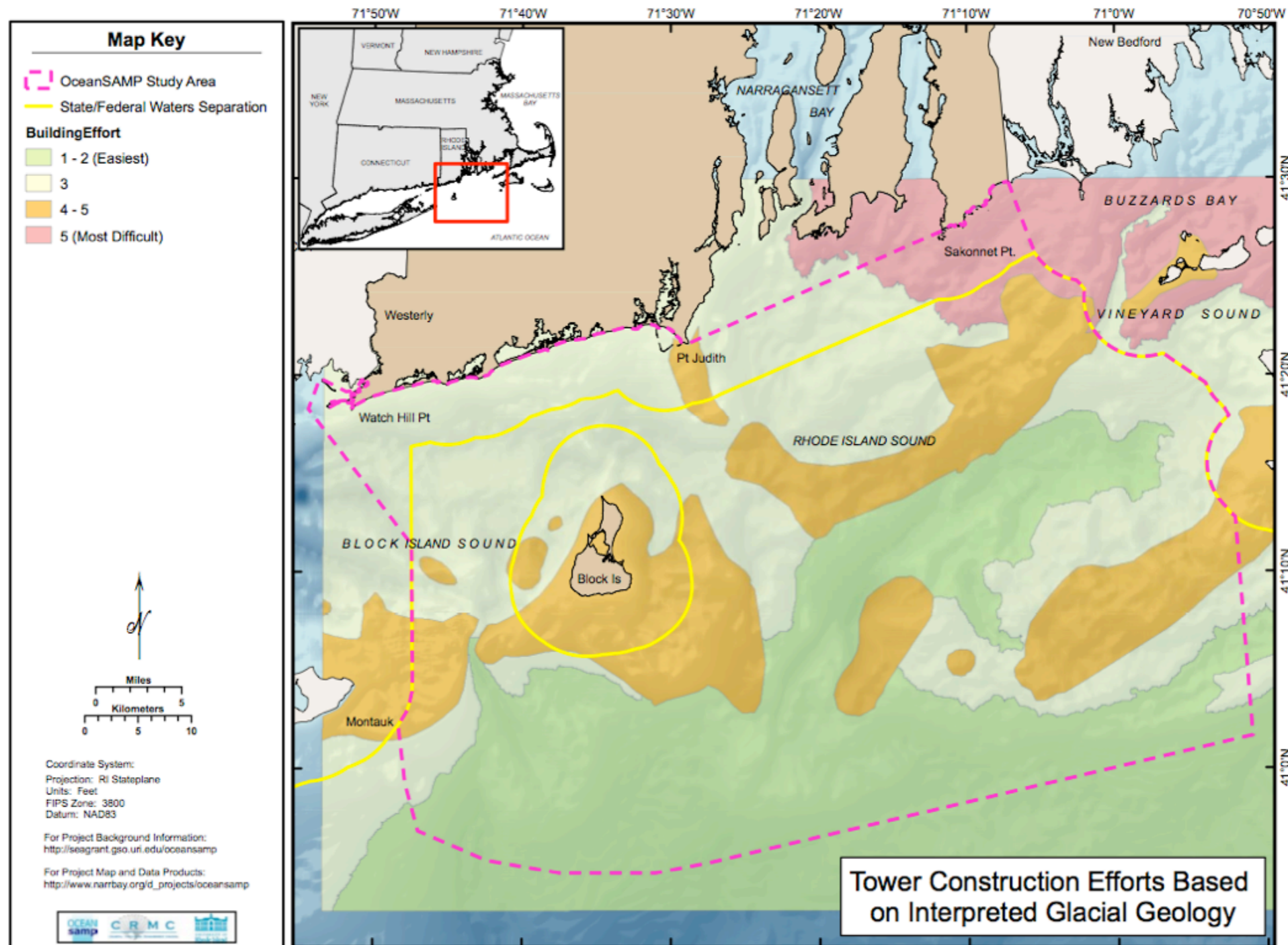
RI Ocean SAMP Area: Studied Current Uses



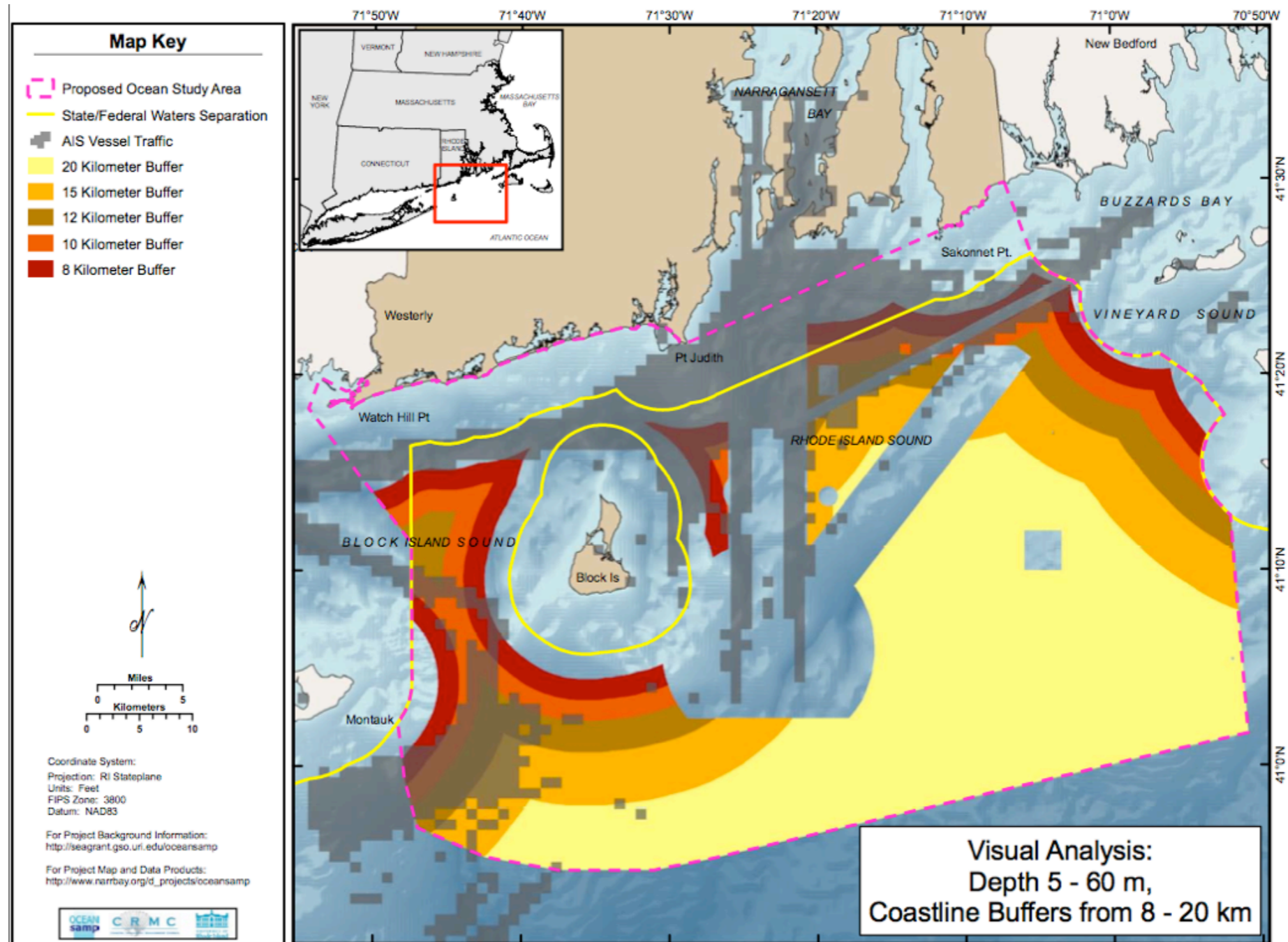
RI Ocean SAMP Area: Studyied Current Uses



RI Ocean SAMP Area: Evaluated New Uses



RI Ocean SAMP Area: Tier 1 Analysis



Federal Efforts



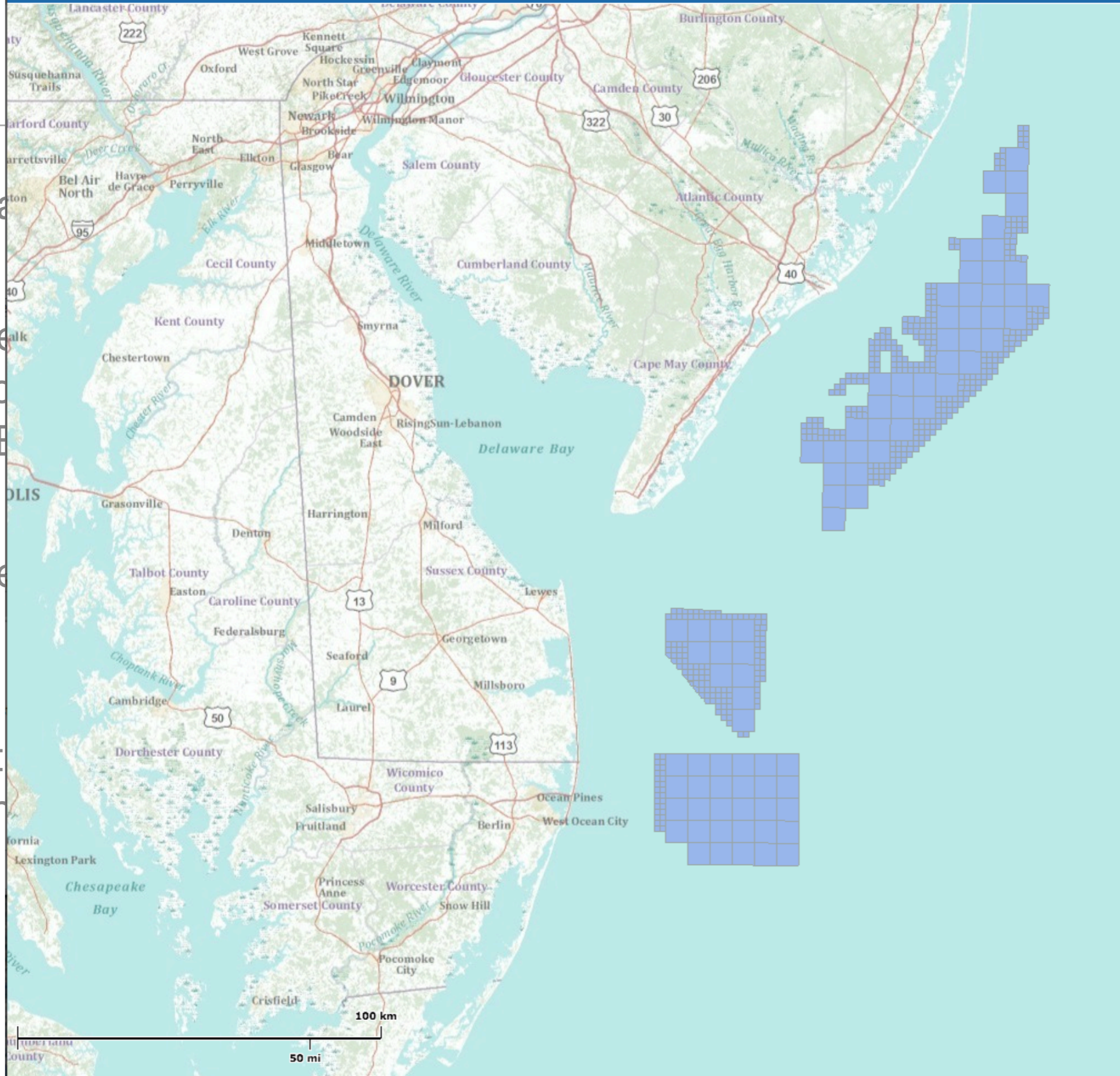
Federal Activities: Smart from the Start

- DOI's Smart from the Start Initiative consistent with the National Ocean Policy
- Environmental assessments of Atlantic offshore wind areas will play a crucial role in informing the Coastal and Marine Spatial Plans that the Regional Planning Bodies develop
- Environmental assessments of wind energy areas are being developed by using the principles of coastal and marine spatial planning
- The results of this work (Multi-purpose Marine Cadastre) will be used in future coastal and marine spatial planning decision-making



Multipurpose Marine Cadastre

BUREAU OF OCEAN ENERGY MANAGEMENT, REGULATION, AND ENFORCEMENT AND NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Federal

- DOI's Small Business
- Environmental role in info Planning E
- Environmental using the
- The result coastal an

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Federal Activities: Mid Atlantic

- Feb 2011: DOI launched Environmental Assessment (EA) process
- EA will evaluate potential impacts of leasing, site assessment, and site characterization activities in wind energy areas
- Wind energy areas identified following outreach, collaboration through Interagency Task Forces; may be modified through evaluation process
- Draft EA expected mid-June followed by 30-day public comment period



Delaware

- Request for Interest (RFI) issued spring 2010
- NRG Bluewater Wind (BWW) only entity that expressed interest qualified to hold lease
- BWW also holds Interim Policy lease allowing certain site assessment activities
- Lease negotiation to follow completion of environmental review



Maryland

- RFI published Nov 2010
- 9 expressions of interest
- Preparing Call for Information and Nominations
- Competitive lease sale anticipated early 2012



New Jersey

- Call for Information and Nominations published Apr 20, 2011
- 45- day public comment period closes June 6
- 3 Interim policy leases offshore NJ



Massachusetts & Rhode Island

- The joint Rhode Island and Massachusetts Renewable Energy Task Force, established in November 2009 accepted unsolicited leasing applications from two wind projects companies, Deepwater Wind New England, LLC and Neptune Wind, LLC
- Mass & RI agreed upon a section in Rhode Island Sound between Block Island and Martha's Vineyard in which to construct a potential wind farm -- called the Area of Mutual Interest (AMI)
- BOEMRE's leasing process underway



Massachusetts & Rhode Island

- RFI published Dec 29, 2010, closed Apr 18, 2011
- 11 expressions of interest, over 260 comments
- Reduced size of RFI area (AMI) - fishing and other concerns
- Next Task Force meeting scheduled June 7, 2011
- Public information sessions with MA Fisheries and Habitat Workgroups, RI Fishery Advisory Board and stakeholders June 7- 9
- Commercial Fishing & Offshore Wind workshop hosted by MA & RI June 9



Atlantic Wind Connection

- FERC Application received March 31, 2011
- Right-of-Way Grant – 570 miles
- Installation in 5 Phases
- Offshore NY, NJ, DE, MD, VA
- Potential to interconnect up to 7,000 MW of offshore wind energy



Atlantic Wind Connection

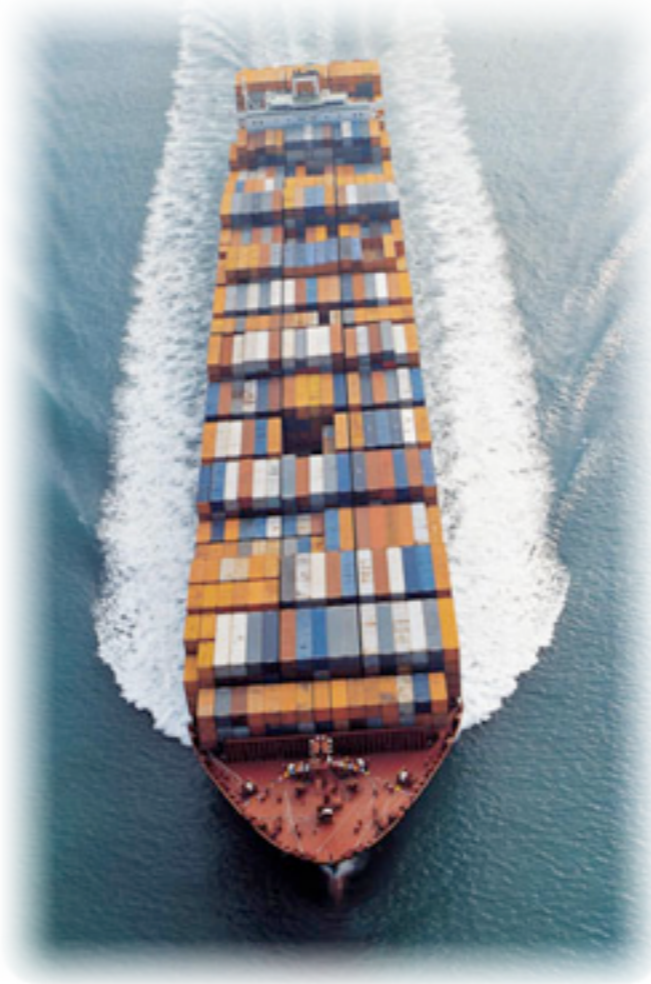
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CMSP Next Steps

- CMSP Strategic Action Plan content outline will be released for public comment on June 1.
- A National Coastal and Marine Spatial Planning (CMSP) Workshop in Washington, DC, on June 21-23.
- Workshop will bring together Federal, state, tribal, and regional representatives to develop an understanding of the CMSP process, begin to build a community of future CMSP practitioners, and consider next steps for regional implementation.
- The public and stakeholders participation on Coastal and Marine Spatial Planning takes place on the first day of the workshop.





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