

## Habitats

- Estuaries
- Shorelines
- Deepwater Canyons
- Offshore islands
- Coastal upwelling (nutrients)
- Chlorophyll concentrations (nutrients)

## Species

**Criteria for Species:**

- Rare or endemic
- Keystone
- Rapidly Declining
- Unique Communities

**Species:**

1. Kelp
2. Marine mammal haul outs
3. Seabird colonies
4. Corals and sponges
5. Snowy plover nests and critical habitat
6. Native oysters
7. Groundfish

### Total List

Habitat		
Estuarine		24
Shoreline		47
Offshore islands and canyons		3
Benthic		64
Upwelling/chlorophyll		4
Species		
Birds		13
Fish		38
Invertebrates		9
Mammals		4
Plants & Algae		4
Total Marine		210



### Data Sources

### Data are organized into a grid

Minerals Management Service  
"Outer Continental Shelf"

### UNESCO: MSP Definition

**MARINE SPATIAL PLANNING IS A PUBLIC PROCESS OF ANALYZING AND ALLOCATING THE SPATIAL AND TEMPORAL DISTRIBUTION OF HUMAN ACTIVITIES IN MARINE AREAS TO ACHIEVE ECOLOGICAL, ECONOMIC, AND SOCIAL OBJECTIVES THAT ARE USUALLY SET THROUGH A POLITICAL PROCESS.**

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### Many Uses of our Oceans

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### Spatial Planning Steps

- AUTHORITY AND GOALS
- DESIGN A PUBLIC PROCESS
- STAKEHOLDER PARTICIPATION
- SCIENCE-BASED
- ANTICIPATING FUTURE CONDITIONS
- SPATIAL MANAGEMENT PLAN
- IMPLEMENTATION AND ENFORCEMENT OF PLAN
- MONITORING AND EVALUATION
- ADAPTIVE MANAGEMENT
- FINANCING

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### UNESCO Initiative on Marine Spatial Planning

- INTERNATIONAL EFFORTS - AUSTRALIA, CANADA, CHINA, EUROPE (BELGIUM, GERMANY, NORWAY, SWEDEN, THE NETHERLANDS, UNITED KINGDOM)
- GOOD PRACTICES
- DEFINITION
- STEP BY STEP APPROACH
- WORKSHOP PROCEEDINGS

[HTTP://WWW.UNESCO-IOC-MARINESP.BE/](http://www.unesco-ioc-marinesp.be/)

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### An Engaged Administration

"One of my goals at NOAA is to bring a more holistic understanding of these interactions across different sectors, and to think about Marine Spatial Planning in a comprehensive sense with all appropriate parties".

- Dr. Jane Lubchenco  
Senate Confirmation Hearing  
February 13, 2009

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## An Engaged Administration



"These activities will include multifaceted spatial planning effort. ... It is anticipated that the Council on Environmental Quality will help coordinate this interagency effort."

**- Renewable Energy and Alternate Uses of Existing Facilities on the Outer Continental Shelf; Final Rule, April 29, 2009**



**THE WHITE HOUSE**  
Office of the Press Secretary

For Immediate Release June 12, 2009

**MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES**

**SUBJECT: NATIONAL POLICY FOR THE OCEANS, OUR COASTS, AND THE GREAT LAKES**

The oceans, our coasts, and the Great Lakes provide jobs, food, energy resources, ecological services, recreation, and tourism opportunities, and play critical roles in our Nation's transportation, economy, and trade, as well as the global mobility of our Armed Forces and the maintenance of international peace and security. 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.

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## West Coast Governors Agreement



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## Oregon Territorial Sea Plan



**EXECUTIVE ORDER NO. 08-07**

- **AMEND TSP - COMPREHENSIVE PLAN PROVISIONS ON WAVE ENERGY PROJECTS**

**MOU BETWEEN STATE OF OREGON AND FEDERAL ENERGY REGULATORY COMMISSION**

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## Rhode Island OCEAN samp

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## Rhode Island MSP

### Ocean SAMP

**Goal:** Define use zones for RI offshore waters through research and planning process that integrates best available science with open public input and involvement

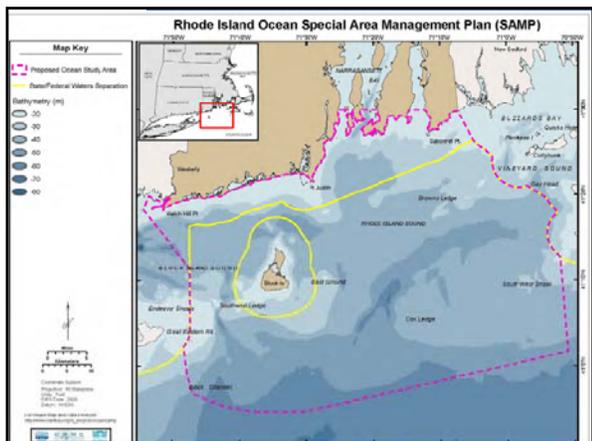
**Duration:** August 2008 to August 2010

**Funding:** \$3.2 M ( RI Renewable Energy Fund, reimbursed by DeepWater Wind ( state selected developer))

**Project Team:** Lead by RI Coastal Resources Management Council(CRMC); Planning, Science, and Engineering Support by University of Rhode Island, Coastal Resources Center and faculty from selected colleges and departments.

**Coordination:** US Army Corp, MMS, Developer, USCG, USFWS, Adjacent State CZ Managers, and FERC

<http://seagrant.gso.uri.edu/oceansamp/>



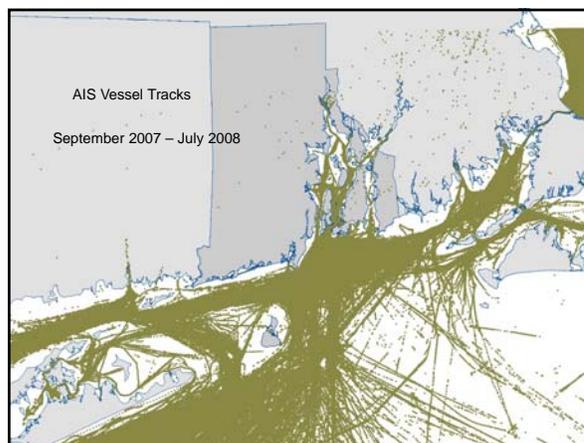
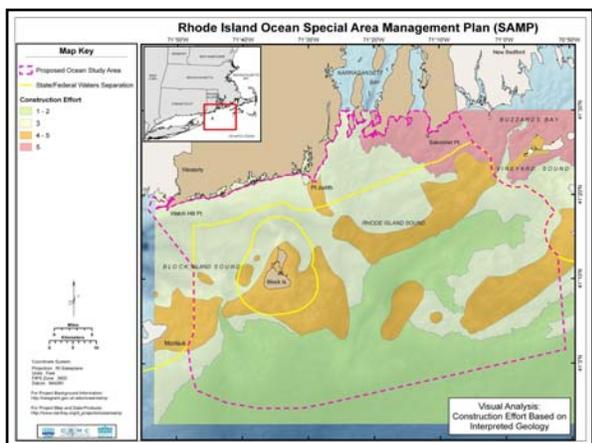
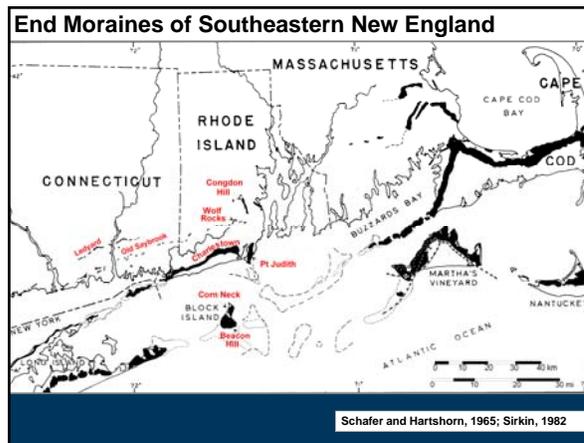
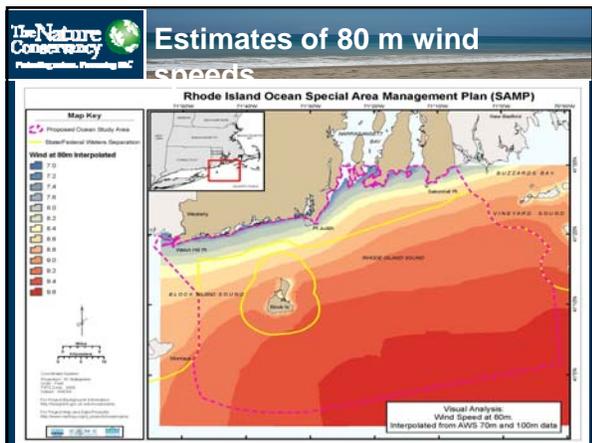
**TIER 1 - RESOURCES AND EXCLUSIONS**

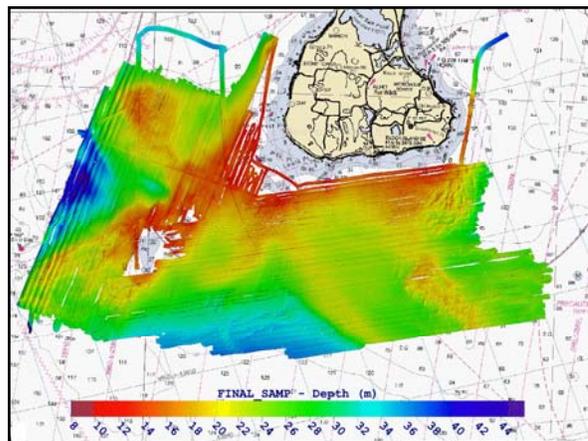
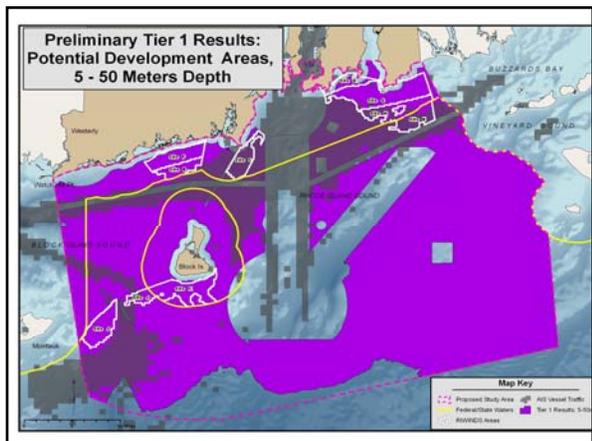
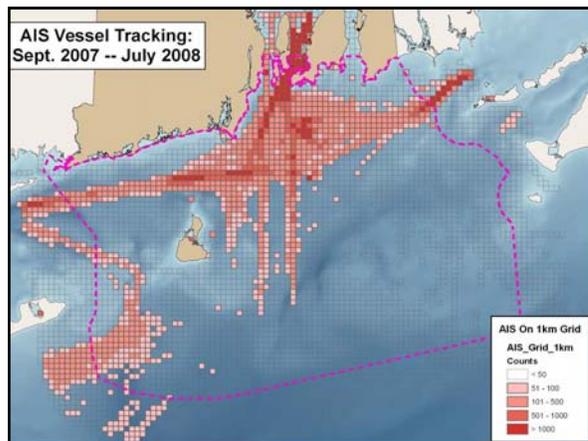
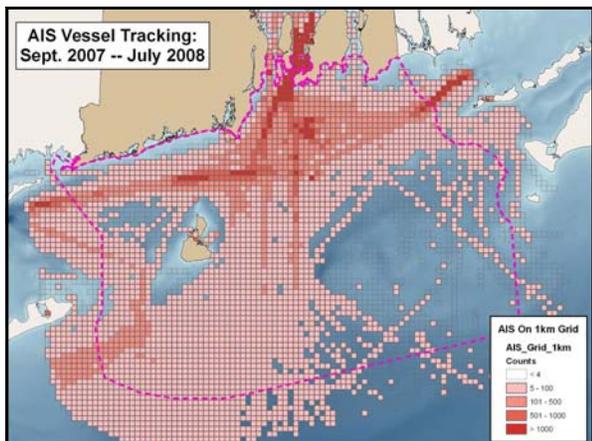
**WIND RESOURCE**

- ADEQUATE WIND RESOURCES ( GREATER THAN 7 M/SEC AT 80 M, HUB HEIGHT)

**EXCLUSIONS**

- NAVIGATION AREAS -REGULATED ( SHIPPING LANES, PREFERRED ROUTES, PRECAUTIONARY AREAS)
- VESSEL TRACKS ( AIS DATA)
- FERRY ROUTES
- REGULATED AREAS (DISPOSAL SITE, MILITARY AREAS, UNEXPLODED ORDNANCE, MARINE PROTECTED AREAS)
- AIRPORT BUFFER ZONES
- COASTAL BUFFER ZONE ( 1 KM)

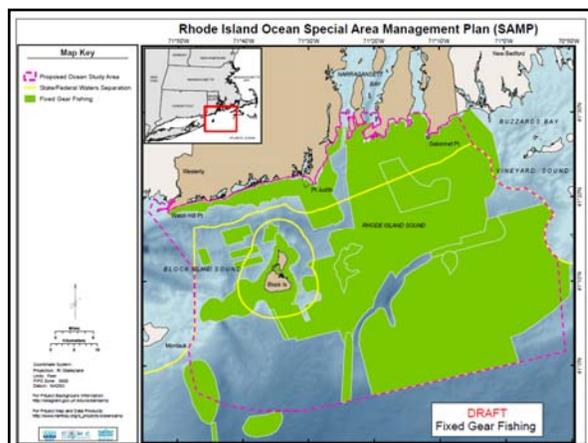


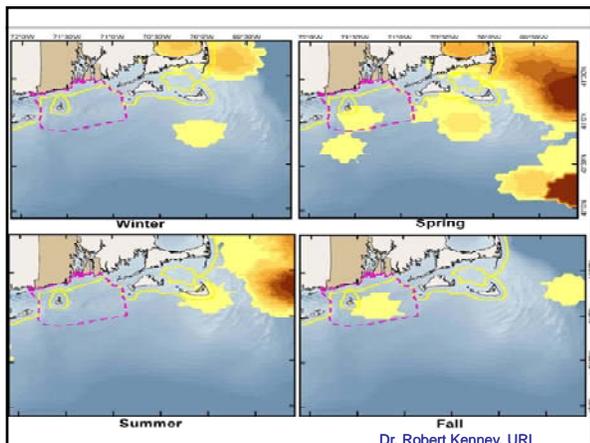
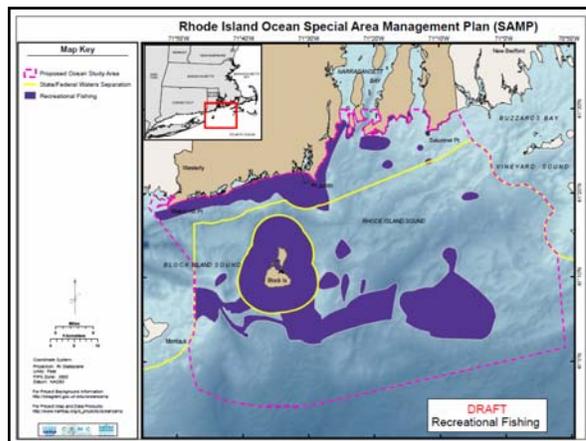
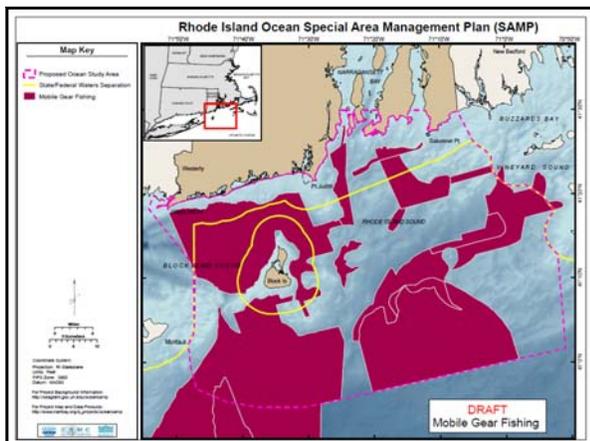


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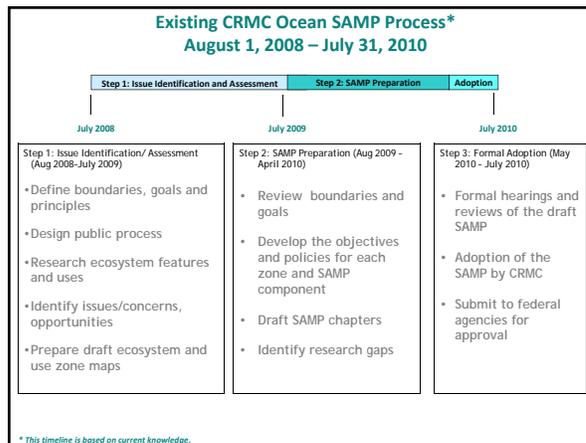
### Tier Two - Existing Uses

<p><u>Use Mapping</u></p> <ul style="list-style-type: none"> <li>Commercial and recreational fishing</li> <li>Recreational boating</li> <li>Existing Infrastructure</li> <li>Conservation</li> <li>Aquaculture</li> </ul>	<p><u>Resource Mapping</u></p> <ul style="list-style-type: none"> <li>Avian and Bats</li> <li>Fish and fish habitat</li> <li>Marine mammals and turtles</li> <li>Water and air quality</li> <li>Historical and cultural resources</li> <li>Endangered Species</li> </ul>
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Dr. Robert Kenney, URI





## MSP Concerns

- Many audiences don't know what MSP is
- Industry groups: additional bureaucracy
- Legislators: cautious of reforms could impact jurisdiction and cost
- Ocean users: MSP will impose additional constraints on where they can operate
- Science and Models





## MSP Opportunities

- A blueprint for future ocean uses
- Bring together diverse oceans users
- Comprehensive picture of the ocean
- Proactively discuss and make decisions
- Providing a coordinated way to think about marine spaces
- Increasing transparency and accountability



