

# Implementing Marine Spatial Planning:

## Lessons Learned from the RI Ocean Special Area Management Plan

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# Presentation Overview

- Why the U.S. team's focus on MSP?
- Moore Foundation Grant
- Ocean SAMP implementation case study



# Why marine spatial planning?

- State of practice for ecosystem-based ocean and coastal management
- National Ocean Policy (2010)
- EU directive for establishing a framework for maritime spatial planning (2014)



# MSP: A tool for achieving tangible impacts

Marine spatial plans expanded protected areas an average of 50%

Impact of RI, MA, Belgium and Norway - \$4.1B

RI Wind energy \$55-110 million

\$90million in fisheries

Environmental

Economic

Cultural

Narragansett Indian Tribe given new influence over offshore decision making

# URI's Ride on the MSP Wave

## ***Ocean SAMP Development***

Office of Energy Resources (2008-2010) \$6,000,000

U.S. DOE (2010) \$634,000

## ***Post-SAMP***

ARRA (2010-12) \$2,700,000

National Oceanographic Partnership Program (2010-12) \$745,000

Renewable Energy Siting Partnership (2012-13) \$3,570,000

John King lab (BOEM-funded projects) (2013-2016) \$3,698,000

MSP Capacity Building (Moore) (2013-2015) \$659,000

***TOTAL (2008-2016)*** **\$18,006,000**

**Two-Year Grant:**  
***Capacity-Building for the  
Marine Spatial Planning Network***



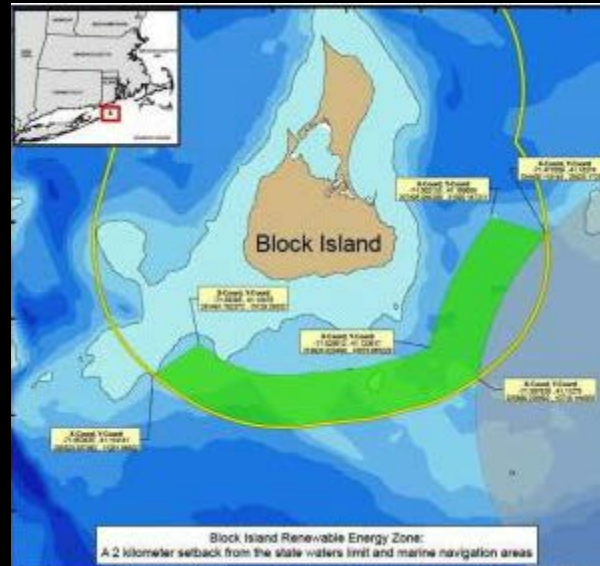
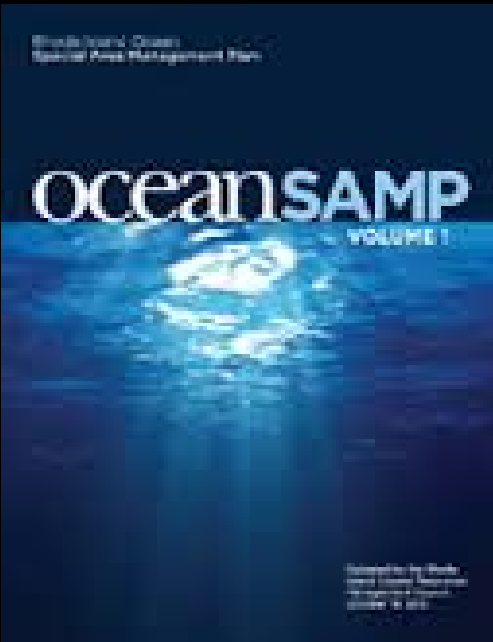
- Assessment: Needs of MSP Practitioners (2014)
- Case Studies and Training Materials (Ongoing)
- Second Int'l. MSP Symposium (late 2015)

# Case Study: Implementation of the Ocean SAMP

*Goal:* Document Example of MSP Implementation

*Focus:* Select SAMP Policies and Tools

*Audience:* Global Network of Practitioners

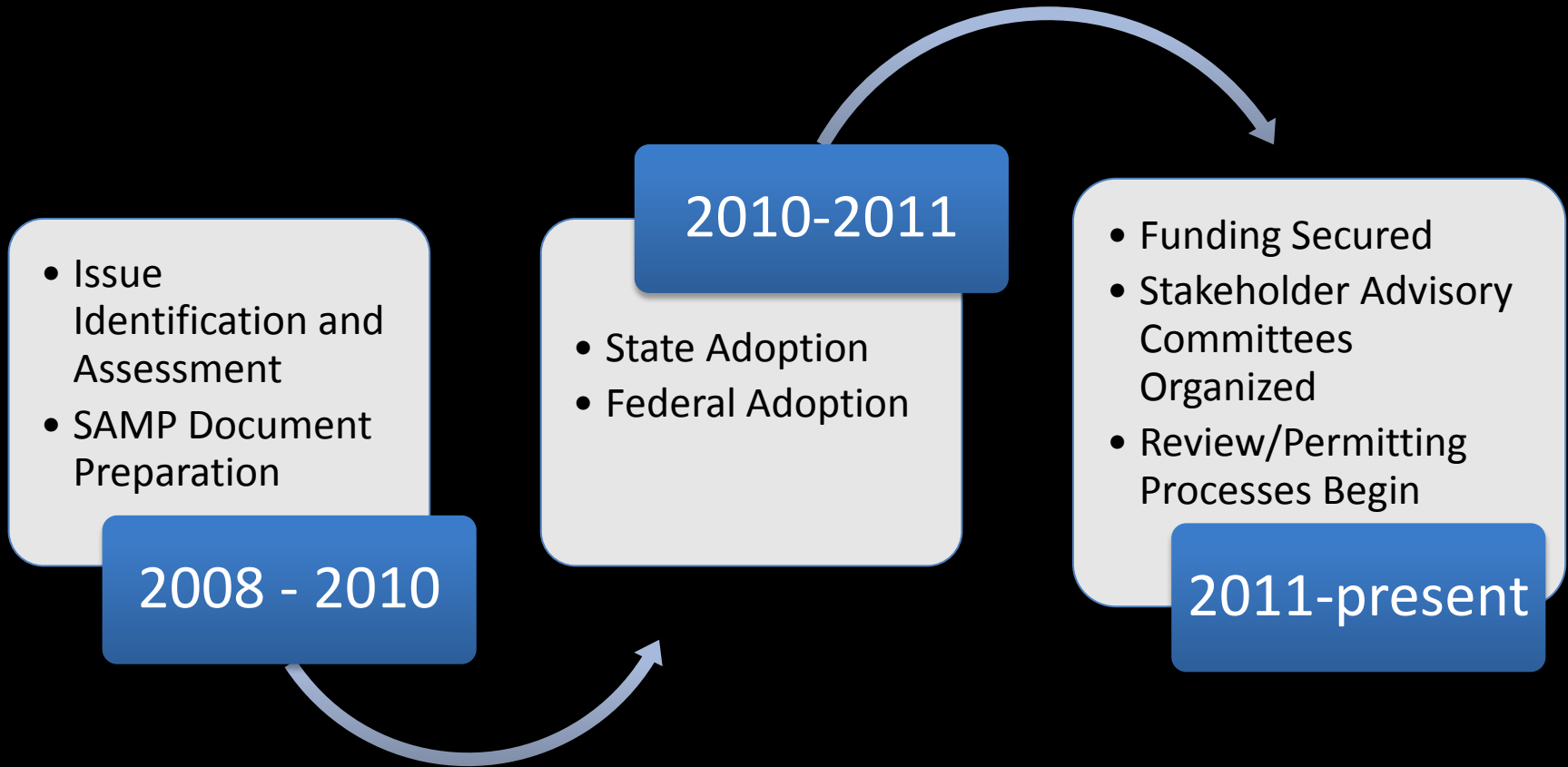


# Ocean SAMP Goals

1. Foster a **properly functioning ecosystem**.
2. Promote and enhance **existing uses**.
3. Encourage **marine-based economic development**.
4. Build a **framework for coordinated decision-making**.



# Ocean SAMP Timeline



# Ocean SAMP Tools in Implementation

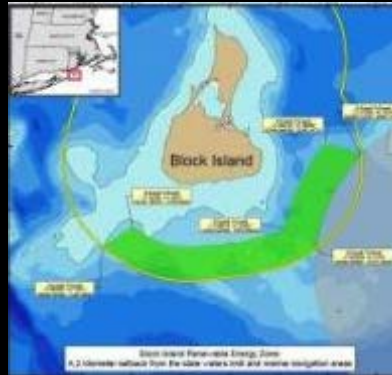
*Fishermen's Advisory Board*



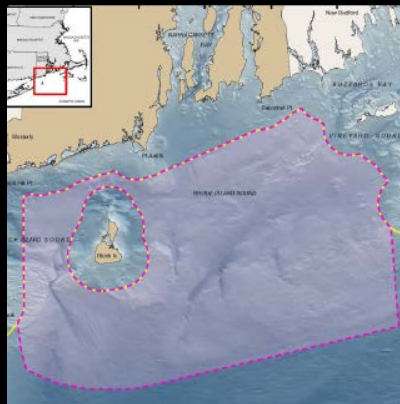
*Area of Mutual Interest*



*Renewable Energy Zone*



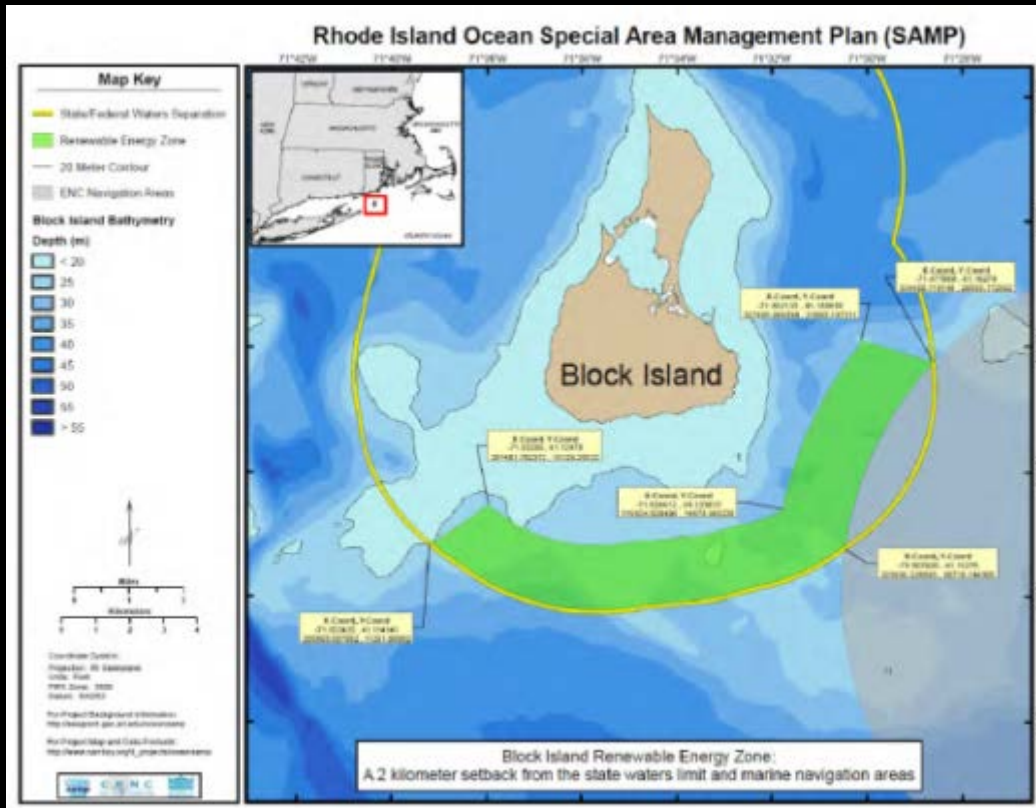
*Geographic Location Description*



*Habitat Advisory Board*



# Applying SAMP designations and regulatory standards: the Renewable Energy Zone



“avoided a train wreck” – Ken Payne

“Please, yes, do develop the Deepwater Wind project in what is literally my back yard” - Judith Gray, stakeholder

“In all, Deepwater Wind will invest over a quarter of a billion dollars on the wind farm and transmission system – one of the largest private investments in Rhode Island history” (Deepwater wind 2014)

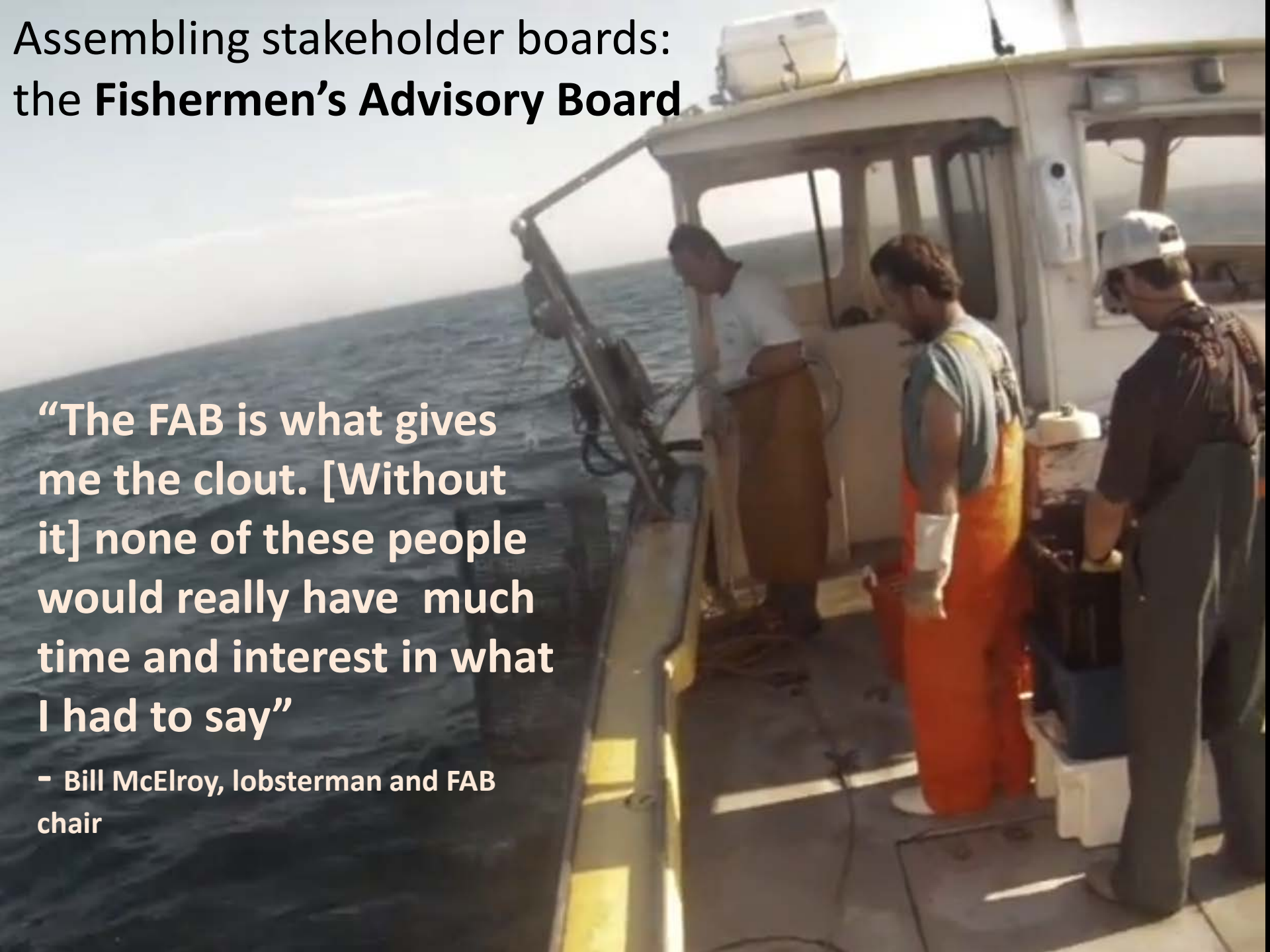


*Images: The Electron Project (Cape Spin)*

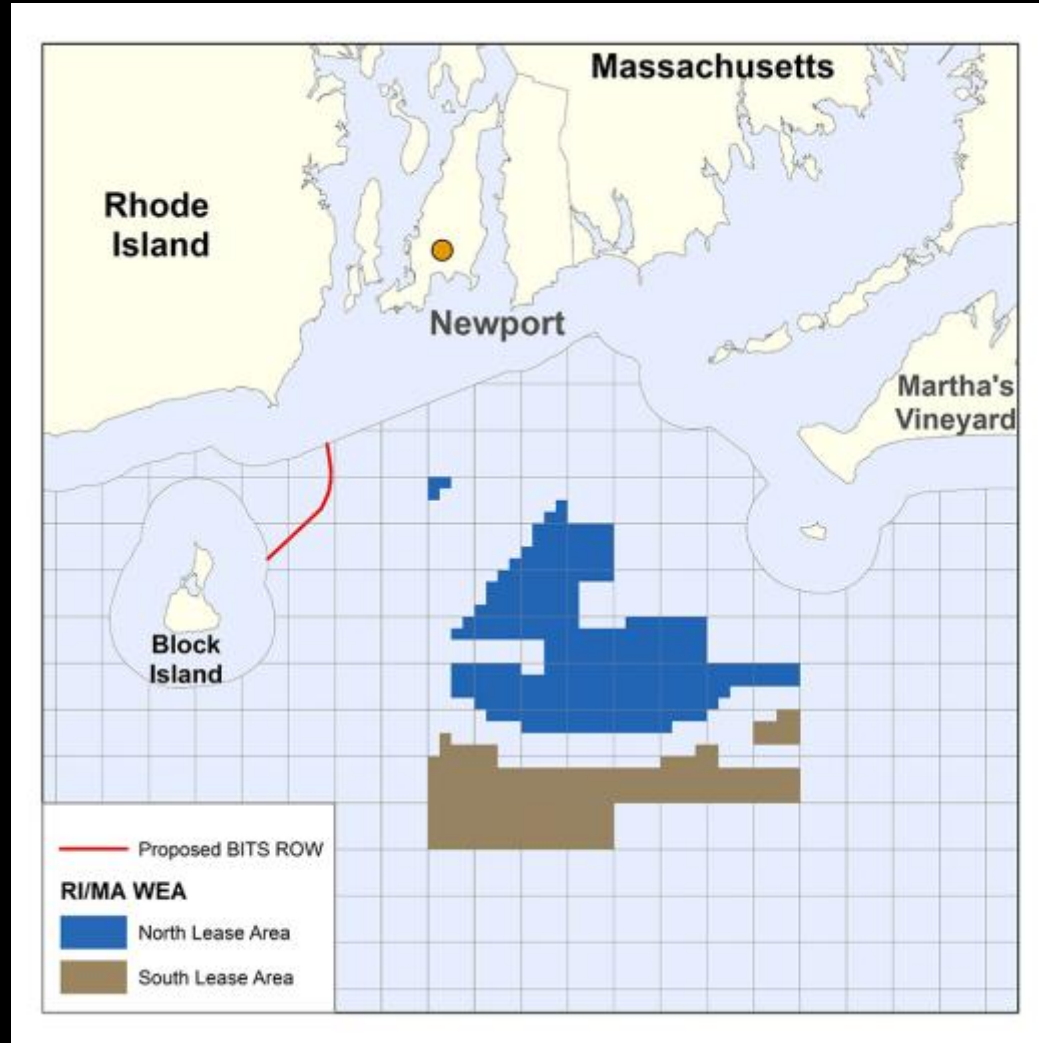
# Assembling stakeholder boards: the **Fishermen's Advisory Board**

**“The FAB is what gives me the clout. [Without it] none of these people would really have much time and interest in what I had to say”**

**- Bill McElroy, lobsterman and FAB chair**



# Area of Mutual Interest (AMI)



# Rhode Island Ocean Special Area Management Plan (SAMP)

71°50'W 71°40'W 71°30'W 71°20'W 71°10'W 71°0'W 70°50'W

## Map Key

 OceanSAMP Study Area

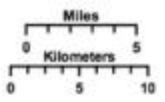
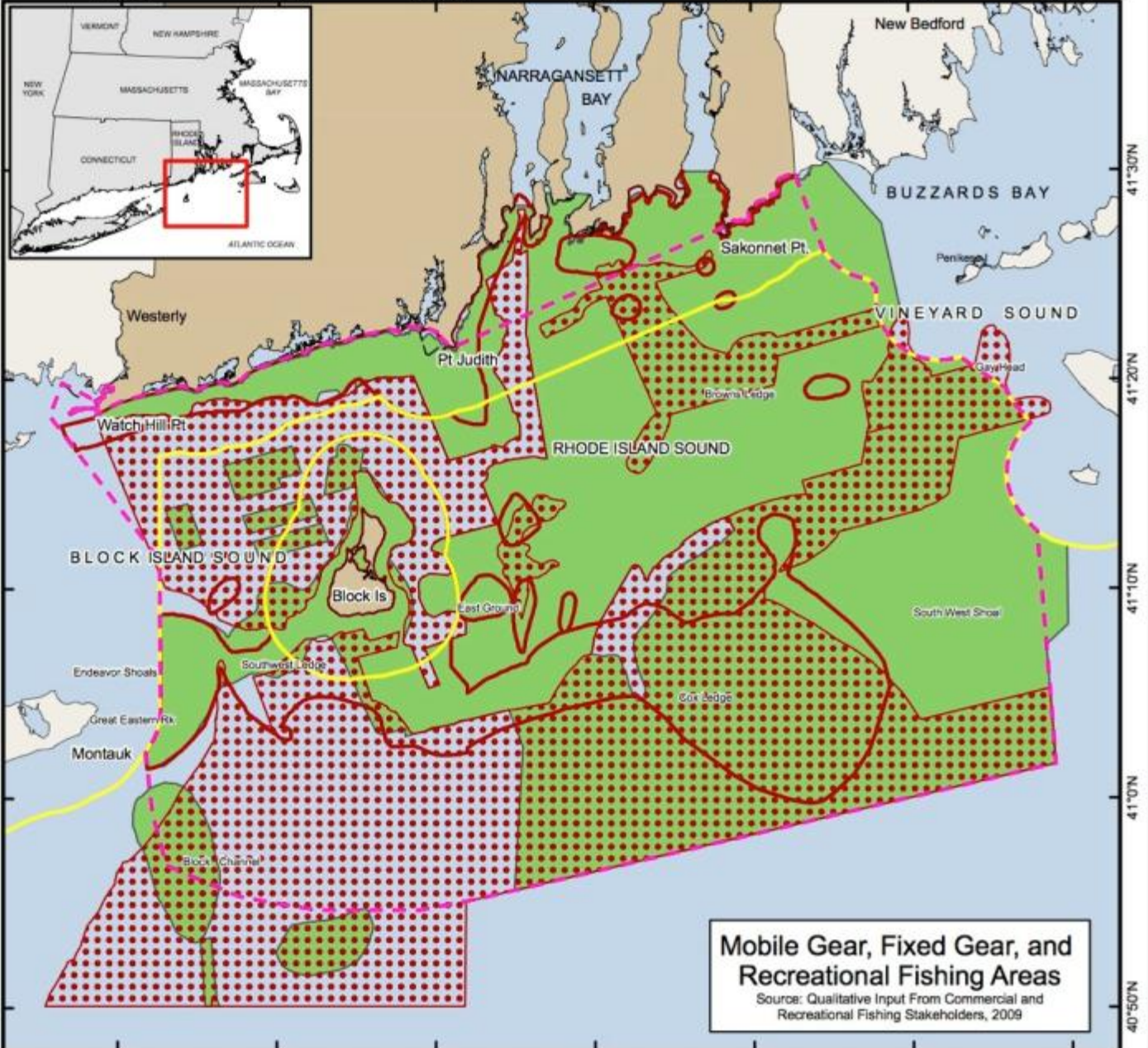
 State Waters

## Fisheries

 Fixed Gear

 Mobile Gear

 Recreational



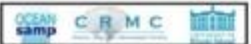
Coordinate System:  
 Projection: RI Stateplane  
 Units: Feet  
 FIPS Zone: 3800  
 Datum: NAD83

Map Base Data:  
 State Borders: RIGIS; MAGIS; CTGIS  
 SAMP Study Area: RI SAMP Database  
 State Waters: MMS SLA Boundary  
 Bathymetry: Interpolated from NOS Soundings

For Project Background Information:  
<http://seagrant.gso.uri.edu/oceansamp>




For Project Map and Data Products:  
[http://www.narrbay.org/id\\_projects/oceansamp](http://www.narrbay.org/id_projects/oceansamp)

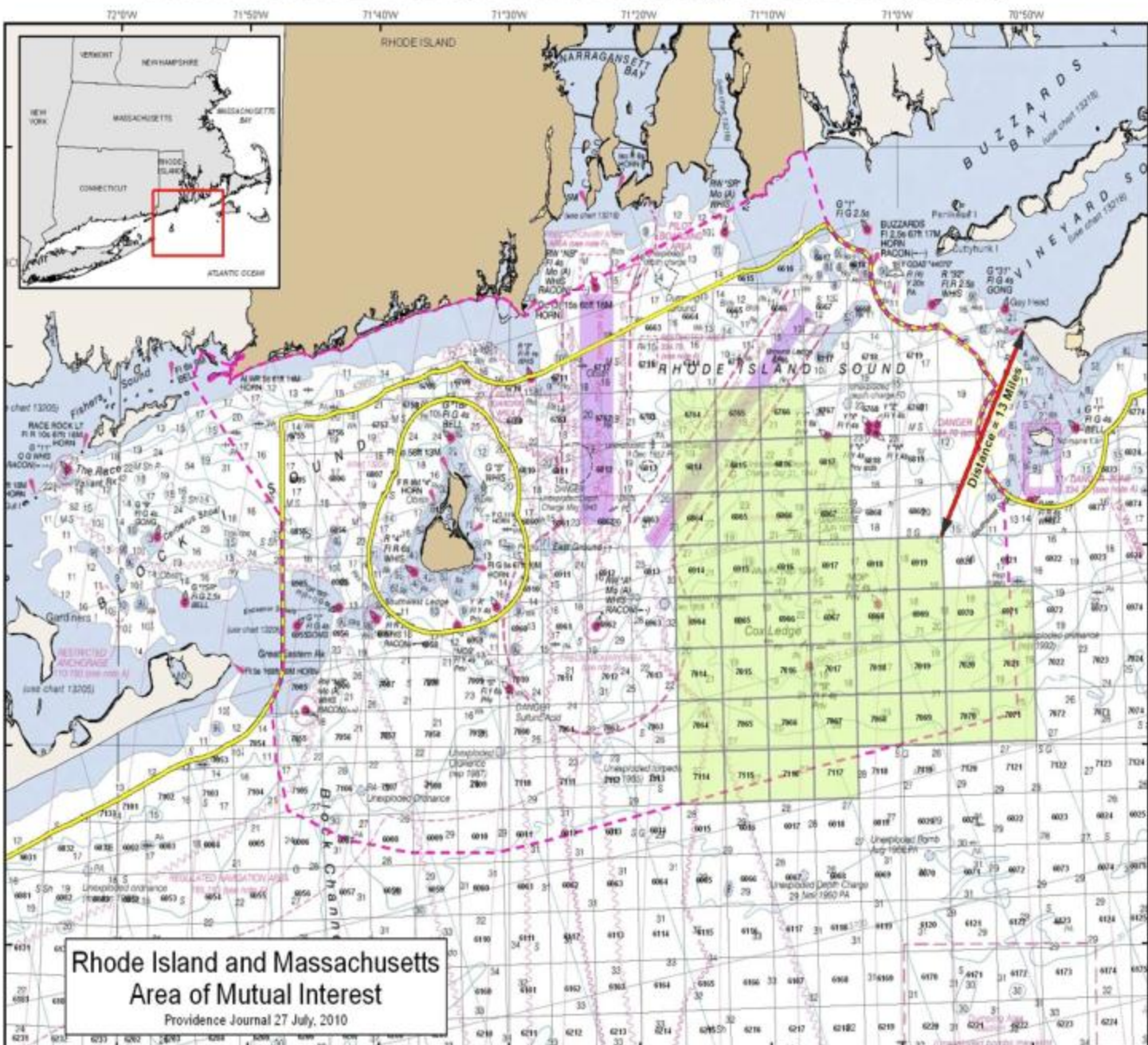
**Mobile Gear, Fixed Gear, and Recreational Fishing Areas**  
 Source: Qualitative Input From Commercial and Recreational Fishing Stakeholders, 2009



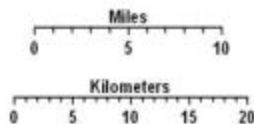
# Rhode Island Ocean Special Area Management Plan (SAMP)

## Map Key

-  OceanSAMP Study Area
-  State/Federal Waters Separation
-  Area of Mutual Interest



**Rhode Island and Massachusetts  
Area of Mutual Interest**  
Providence Journal 27 July, 2010



Coordinate System:  
Projection: RI Stateplane  
Units: Feet  
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# Rhode Island Ocean Special Area Management Plan (SAMP)

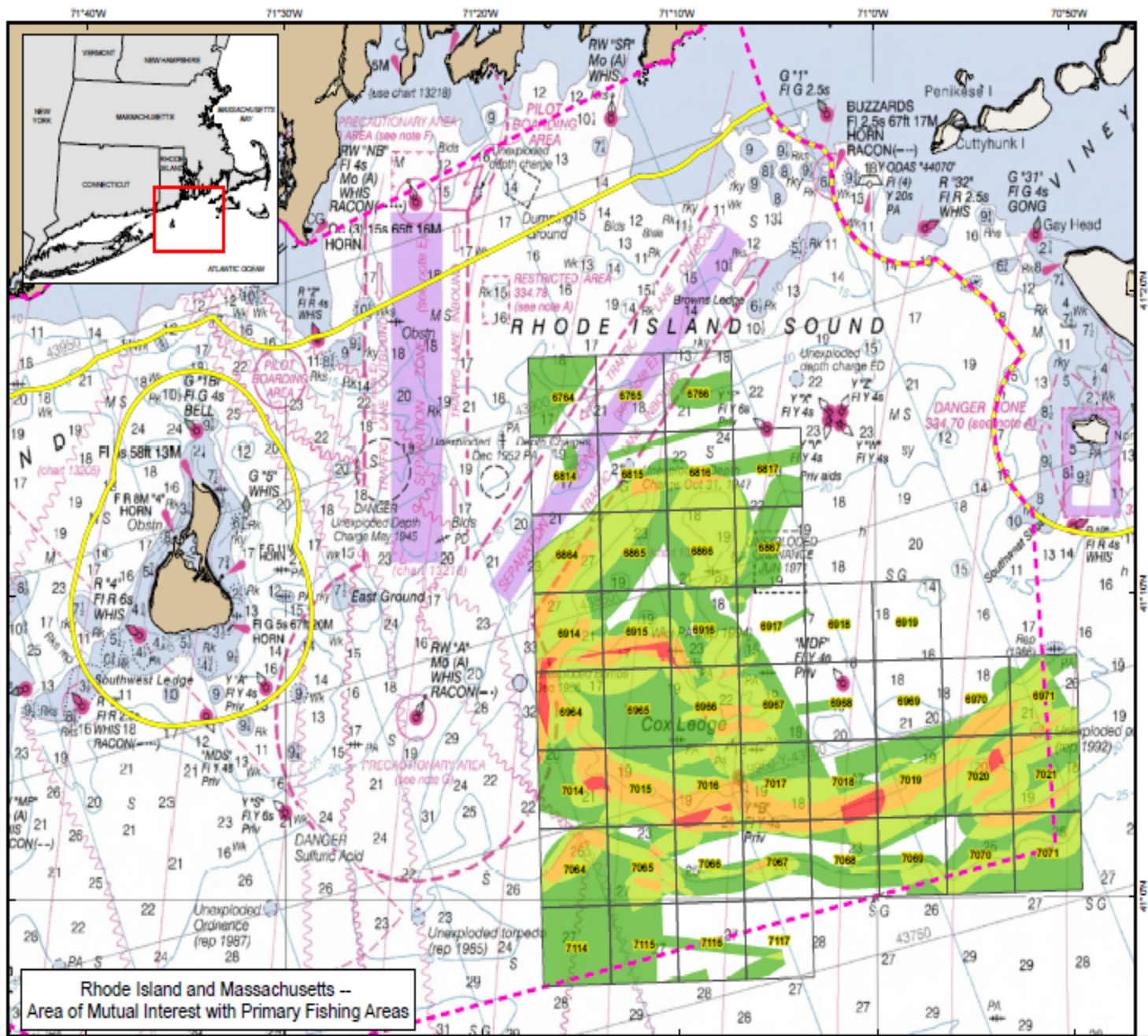
## Map Key

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## Fishing Pressure

# of Participating Fisheries

-  1
-  2
-  3
-  4



Rhode Island and Massachusetts --  
Area of Mutual Interest with Primary Fishing Areas

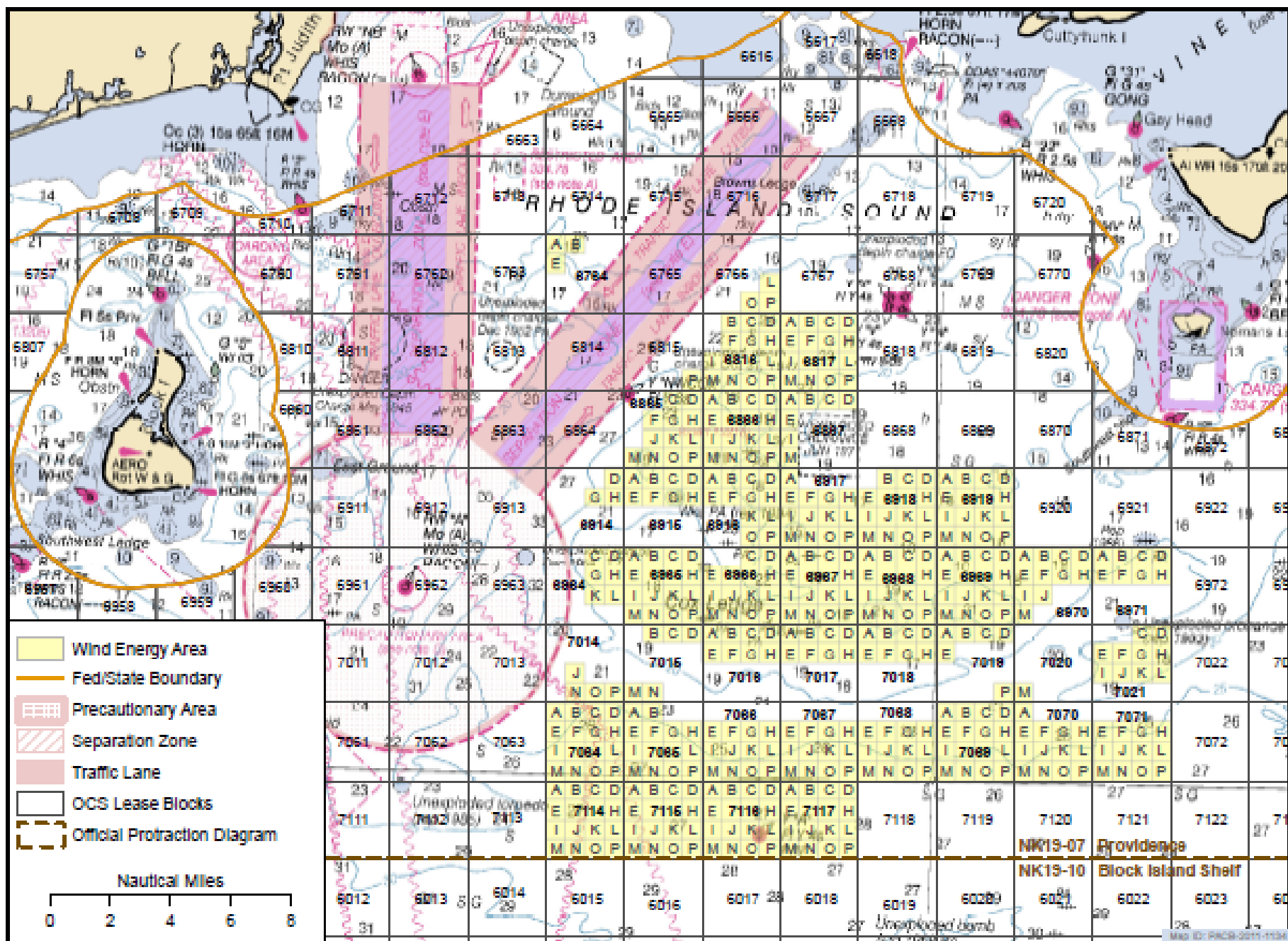
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# Rhode Island & Massachusetts Area Identification - Wind Energy Area



# Habitat Advisory Board



# Geographic Location Description (GLD)



# Other Means of Implementation

- U.S. Coast Guard: Ocean SAMP as the “**touchstone document**” – means of resolving conflict between agencies, stakeholders and project proponents



# Other Means of Implementation

- NMFS: Much more **communication** and **coordination** between agencies, the developer, and stakeholders than the norm



# A future orientation

- All key informants (to date) agree: the Ocean SAMP must stay current and address new issues!
- Sand and gravel mining
- Effects of climate change on fisheries



# Some overarching observations

- Ocean SAMP: Worth **more than the sum of its parts.**
- **Adaptive management:** necessary to maintain **trust** and **consensus** built through SAMP development process!





# Tangible impacts of the Ocean SAMP

Foster a properly functioning ecosystem



- Increased protection for 68% of state waters and 54% of study area.
- Designation of Renewable Energy Zone in area of least environmental impact

Promote and enhance existing uses



- Areas of Particular Concern designated to protect existing recreation, marine transportation, military, and fishing uses
- Fishing industry given formal standing in offshore decision making

# Tangible impacts of the Ocean SAMP

**Encourage marine-based economic development**



- Sited the Block Island Wind Farm, which will provide clean electricity to 17,000 households
- generate over \$100 million in economic activity in RI
- create 200 jobs locally

**Build a framework for coordinated decision-making**



- 2 Year permitting time for BI Wind Farm
- MOU with FERC
- Coordination with BOEM

# Tangible impacts of the Ocean SAMP:

- Increased protection for 68% of state waters and 54% of study area.
- Sited the Block Island Wind Farm, which will
  - provide clean electricity to 17,000 households
  - generate over \$100 million in economic activity in RI
  - create 200 jobs locally
- Gave a voice and a platform to over 200 stakeholders who participated in Ocean SAMP

# Thank you!



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**MOORE**  
FOUNDATION



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**Sea Grant**  
Rhode Island

# Ocean SAMP inspired Activities

- 41- 2011 post-Ocean SAMP MSP training
- 200-2012 first International MSP symposium
- 1500 OSAMP practitioners guide distributed
- MSP network survey – 123 people from 6 continents
- MSP Workshop at TCS- 30 practitioners
- OceanPlanning4Practitioners Listserv- 125 practitioners of various levels