## Implementing Marine Spatial Planning:

Lessons Learned from the RI Ocean Special Area Management Plan

Jennifer McCann, Tiffany Smythe,
Danielle Turek and Tom Pavitt
URI Coastal Resources Center
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## **Presentation Overview**

Why the U.S. team's focus on MSP?



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

Cultura

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

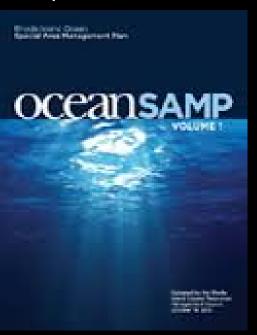
# Two-Year Grant: Capacity-Building for the Marine Spatial Planning Network



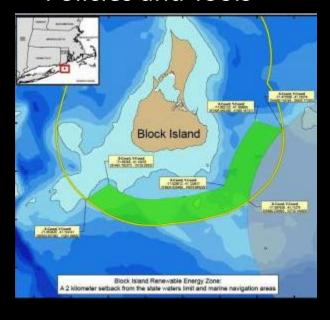
- Assessment: Needs of MSP Practitioners (2014)
- Case Studies and Training Materials (Ongoing)
- Second Int'l. MSP Symposium (late 2015)

# 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**

- Issue Identification and Assessment
- SAMP Document Preparation

2008 - 2010

2010-2011

- State Adoption
- Federal Adoption

- Funding Secured
- Stakeholder Advisory Committees Organized
- Review/Permitting Processes Begin

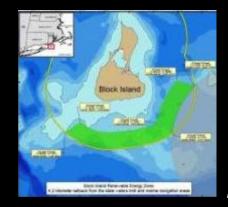
2011-present

## Ocean SAMP Tools in Implementation

Fishermen's Advisory Board



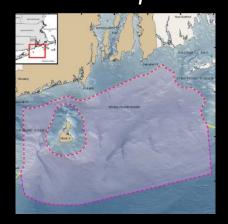
Renewable Energy Zone



Area of Mutual Interest

Geographic Location

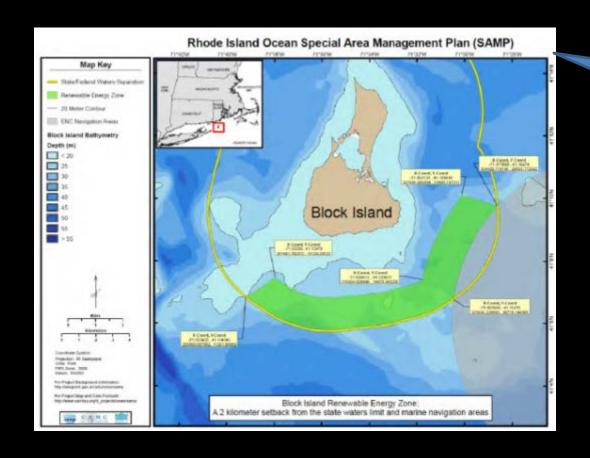
Description



Habitat Advisory Board



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

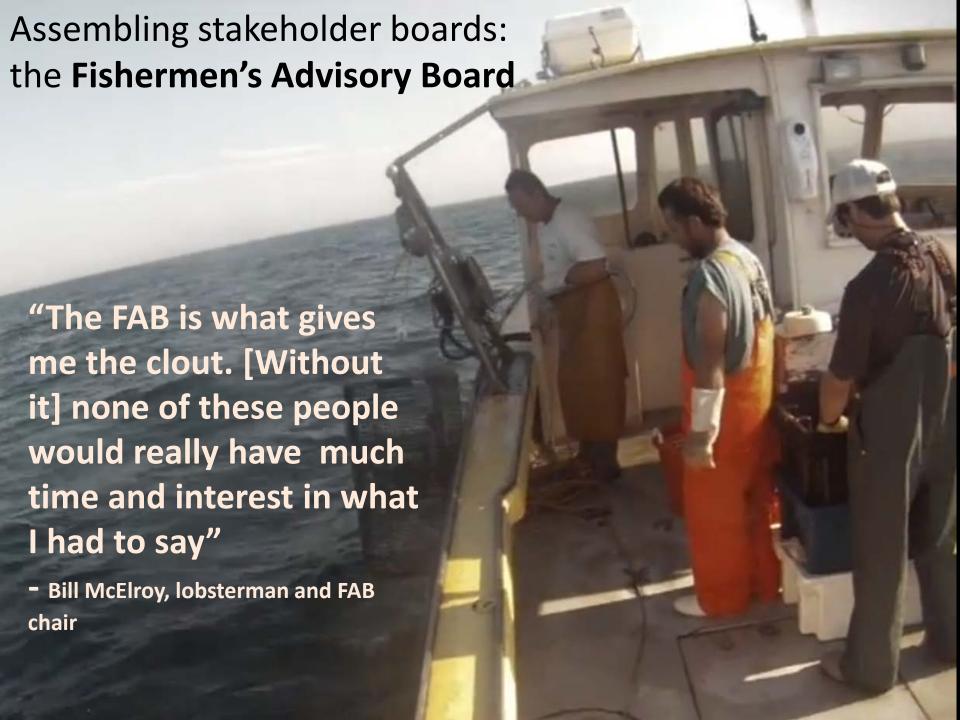


"avoided a train wreck" – Ken Payne

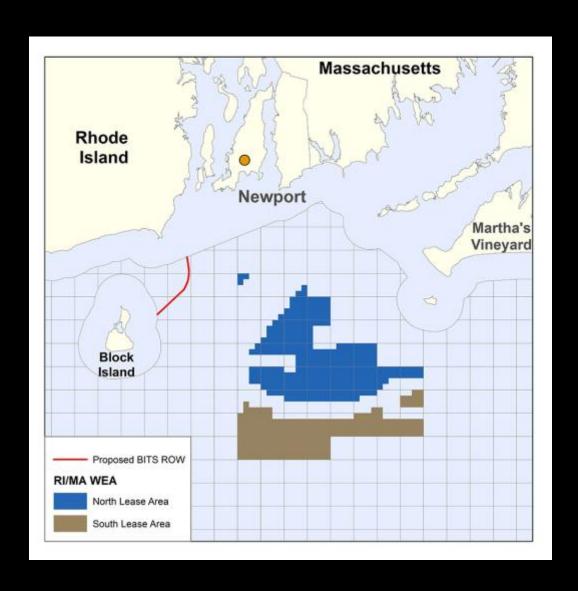
"Please, yes, do
develop the
Deepwater Wind
project in what is
literally my back
yard" - Judith
Gray, stakeholder

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





## Area of Mutual Interest (AMI)



#### Rhode Island Ocean Special Area Management Plan (SAMP) 71°40'W 71°30'W 71°20W 71°10'W 71°50'W 70°50'W Map Key **New Bedford** NEW HAMPSHIP OceanSAMP Study Area NARRAGANSETT BAY State Waters **Fisheries** BUZZARDS BAY **Fixed Gear** Mobile Gear Recreational SOUND NEYARD Westerly RHODE ISLAND SOUND South West Shoel Endeavor Shoals Montauk 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 Mobile Gear, Fixed Gear, and For Project Map and Data Products: Recreational Fishing Areas http://www.nambay.org/d\_projects/oceansamp Source: Qualitative Input From Commercial and Recreational Fishing Stakeholders, 2009

### Rhode Island Ocean Special Area Management Plan (SAMP) RHODEISLAND Map Key COCEANSAMP Study Area State/Federal Waters Separation Area of Mutual Interest 78:96 Coordinate System Projection: RI Stateplane Units: Feet FIPS Zone: 3800 Datum NAD83 For Project Background Information. http://seagrant.gso.uri.edu/oceansamp. Rhode Island and Massachusetts For Project Map and Data Products: http://www.narrbay.org/d\_projects/oceansamp Area of Mutual Interest Providence Journal 27 July, 2010

#### Rhode Island Ocean Special Area Management Plan (SAMP) Map Key Mo (A) G "1" FI G 2.5s WHIS 12 OceanSAMP Study Area BUZZARDS State/Federal Waters Separation RACON(-G '31' \ FI G 4s GONG Area of Mutual Interest Oc (3) 15s 65ft 16M Fishing Pressure HORN # of Participating Fisheries 334,70 (see note 4) Dec 1952 20 FIR 6s WHIS 16 RW A. Mo (A) WHIS (20) RACOM(-+) 21 20 21 /7 7.45 Coordinate System Projection: RI Statepiane Units: Feet Sulfuria Acid FIPS Zone: 3800 Deturn: NAD83 26 25 26 For Project Background Information: Unexploded! http://seagrant.gso.url.edu/oceansamp Ordinance 22 Unexploded torped: (rep 1987) For Project Map and Data Products: (rep (985) 24) http://www.narrbay.org/d\_projects/oceansamp 28 29 Rhode Island and Massachusetts --Area of Mutual Interest with Primary Fishing Areas 29 28

#### Rhode Island & Massachusetts Area Identification - Wind Energy Area

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## 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 marinebased 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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## 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