RI Ocean Special Area Management Plan

Overview
of the Ocean SAMP
Commercial and
Recreational Fisheries
Resources and Uses
Chapter



David Beutel, Sarah Smith, and Tiffany Smythe RI Coastal Resources Management Council and URI Coastal Resources Center/RI Sea Grant May 4, 2010







Presentation Overview



- Chapter objectives
- Major findings
- Methodology
- Chapter highlights
- Policies and standards





Major Findings

- Commercial and recreational fisheries are of great economic, social, and cultural value to the state of RI.
- These activities are dependent upon key finfish, shellfish, and crustacean resources and the habitats upon which they rely.
- Over the course of a year, the entire SAMP area is used by commercial and recreational fishermen.
- Existing and future uses of the SAMP area may have an effect on fisheries resources and uses, and adverse effects must be mitigated to the extent possible through SAMP policies and standards.









Ocean SAMP Objectives:

- To manage ocean space
- In this space, manage existing resources and uses within the context of potential future uses
- Summarize the best available data and information on resources/uses in the SAMP area
- Address the issues and concerns of stakeholders and users to the extent possible

Fisheries Chapter Objectives

- Provide baseline data and information on:
 - fisheries resources
 - commercial and recreational fisheries activities
- Highlight the economic, social and cultural importance of fisheries
- Outline policies and standards to protect and promote fisheries resources and activities









Chapter Methodology



- Stakeholder and federal/ state agency input
- Review of other
 "reference" documents
 - Literature and data review
 - Data analysis and mapping
 - Baseline characterization
 - Fisheries activity mapping

Chapter Table of Contents

- 1. Marine fisheries resources in the SAMP area
 - Commercially and recreationally targeted species
 - Baseline characterization
- 2. Fish habitat in the SAMP area
- 3. Commercial and recreational fisheries
 - History and ports
 - Fisheries descriptions and fishing area maps
 - Effort and landings
- 4. Economic impact of commercial and recreational fishing
- 5. Impact of existing activities and trends on fisheries resources and habitats
- 6. Policies and standards
- 7. Appendices









Other Species Included in this Chapter

- RI DEM Quota-Managed Species
- Threatened & Endangered Species/ "Species of Concern"
 - NMFS NortheastRegional OfficeProtected ResourcesDivision





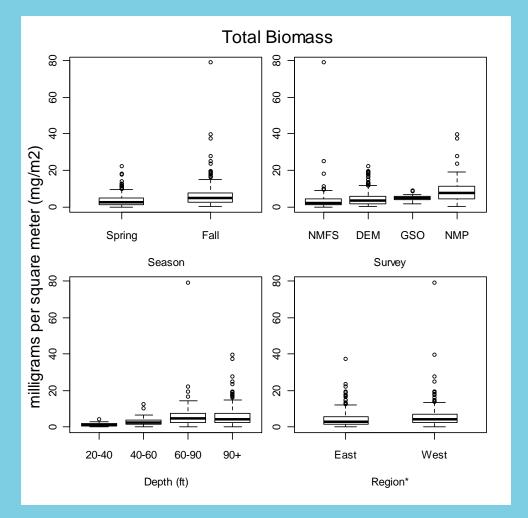




Baseline Characterization

(Bohaboy, Collie, and Malek, 2010)

- Aggregate existing trawl survey datasets, 1999-2008
- Characterize abundance and distribution of fisheries resources throughout area
- Not stock assessment
- Not a site or projectspecific assessment









AGGREGATE FISH BIOMASS, SPRING





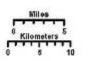
OceanSAMP Study Area State Waters

Total Biomass, Spring mg/m2

- 0 < 2.4
- 0 2.4 2.9
- 2.9 5.3
- 5.3 17.5
- 17.5 79.0

Data Source

- NEAMAP
- NMFS
- ⊕ RI DEM
- URI GSO



Coordinate System: Projection: RI Stateplane Units: Feet FIPS Zone: 3800 Datum: NAD93

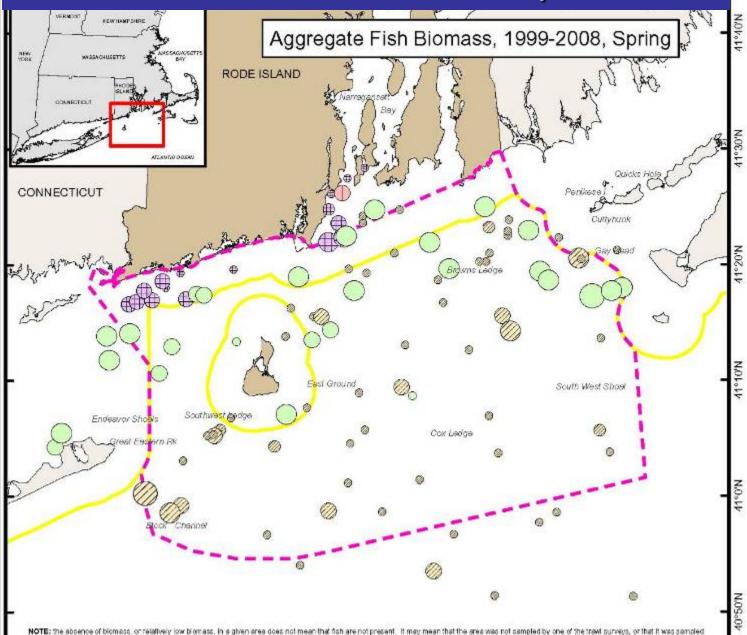
Map Base Data:

State Borders, FIGIS, MAGIS, CTGIS SAMP Study Area: RI SAMP Dictabase State Waters: MWS 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.nambay.org/d_projects/oceansamp





during a time of lower abundance for some species. These maps reflect an aggregate of data from four different fisheries independent travial surveys, which employ different survey methods and sample at different survey stations. This analysis used URI OSO, RIDEM, and NMF5 data from 1999 - 2008, and NEAMAP data from 2007 - 2008 (the NEAMAP survey began in 2007). For further information see Chapter 5: Fisheries Resources and Uses, and Appendix IV. Besetine Chapter 5: Fisheries



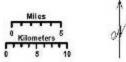
Map Key OceanSAMP Study Area State Waters

Total Biomass, Fall mg/m2

- 0 < 2.4
- 0 2.4 2.9
- 0 2.9 5.3
- 5.3 17.5
- 77.5 79.0

Data Source

- NEAMAP
- NMFS
- ⊕ RI DEM
- URI GSO



Coordinate System; Projection: Ri Stateglane Units: Feet FIPS Zone: 3800 Datum: NAD83

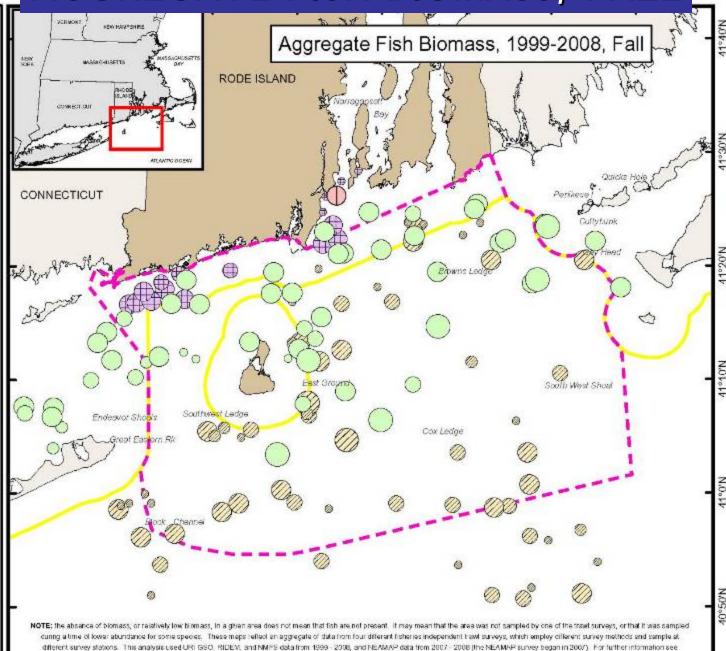
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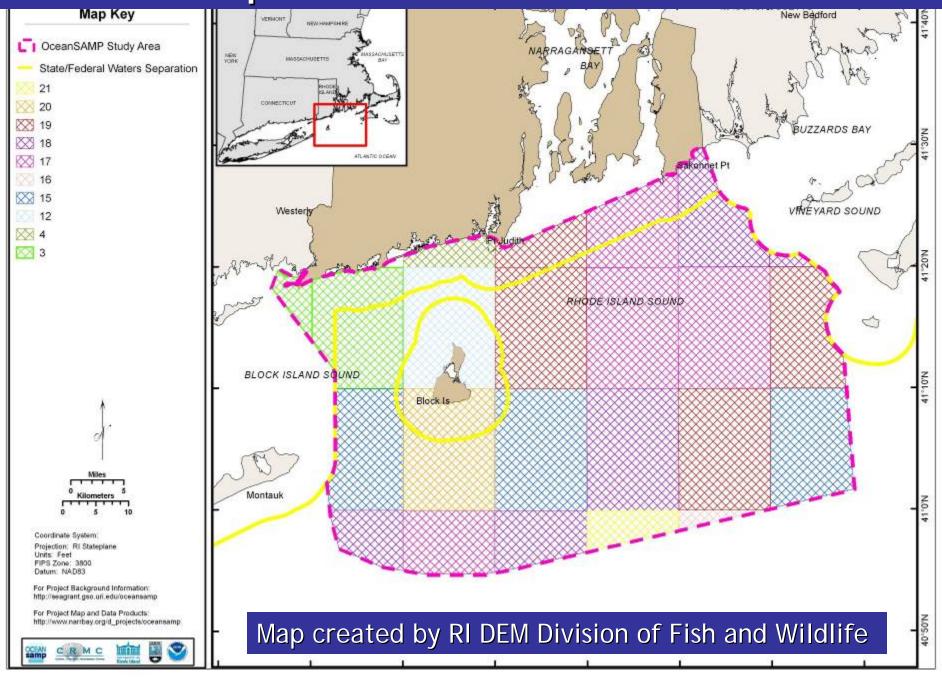




Chapter & Fishenes Resources and Uses, and Appendix IV. Baseline Characterization.

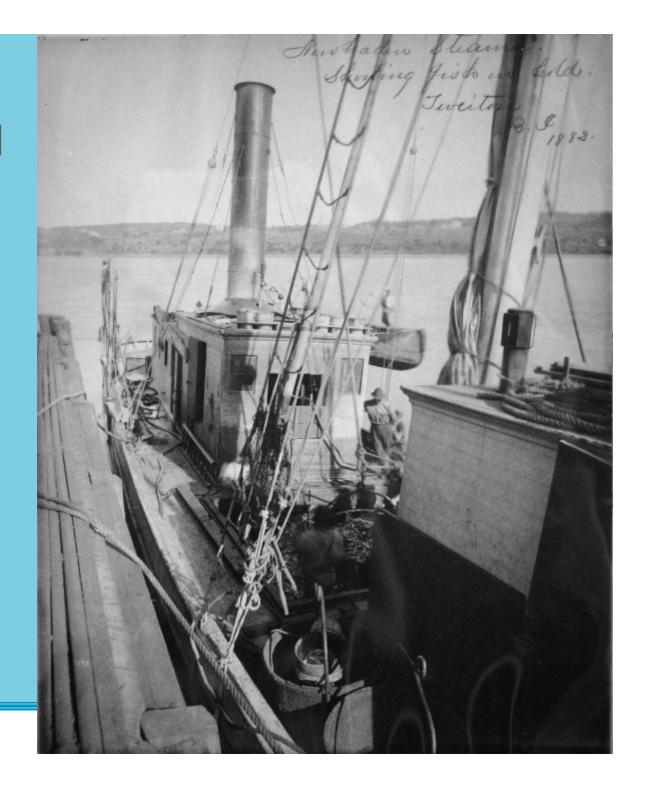


Number of Species with Essential Fish Habitat



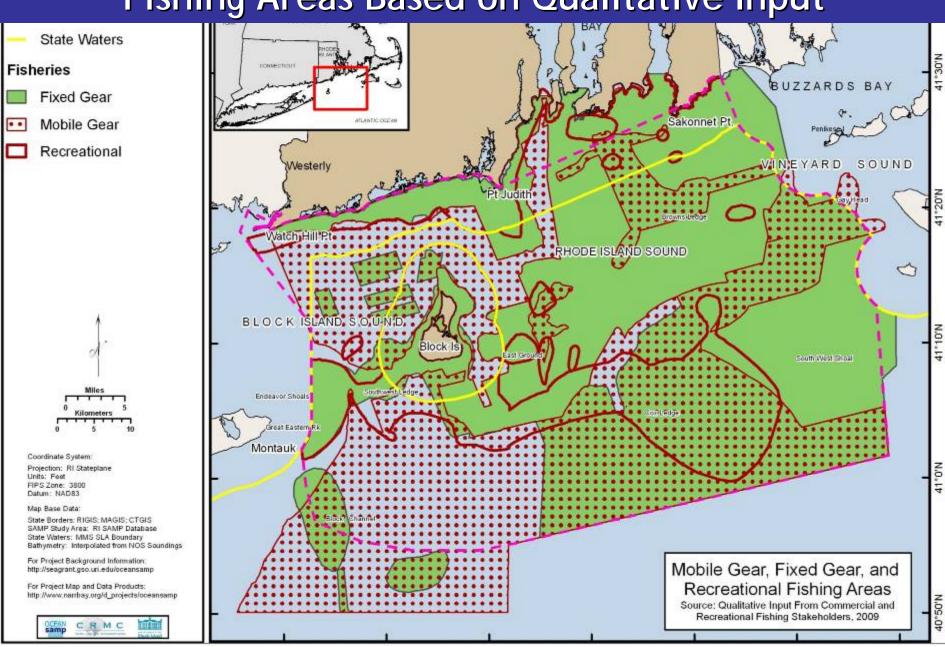
For both commercial and recreational fisheries....

- History
- Ports
- Descriptions
- Fishing AreaMaps

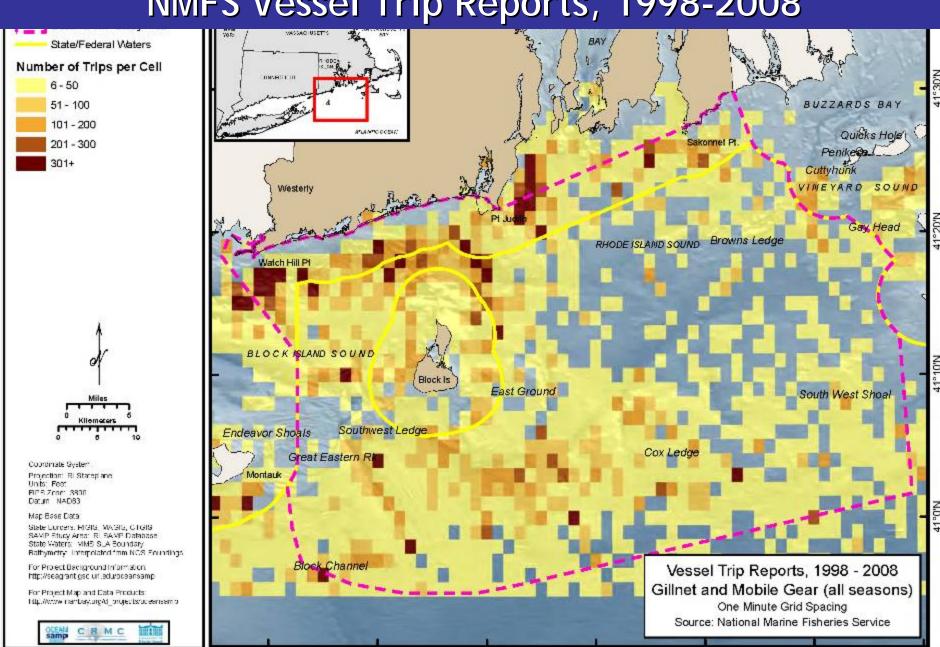


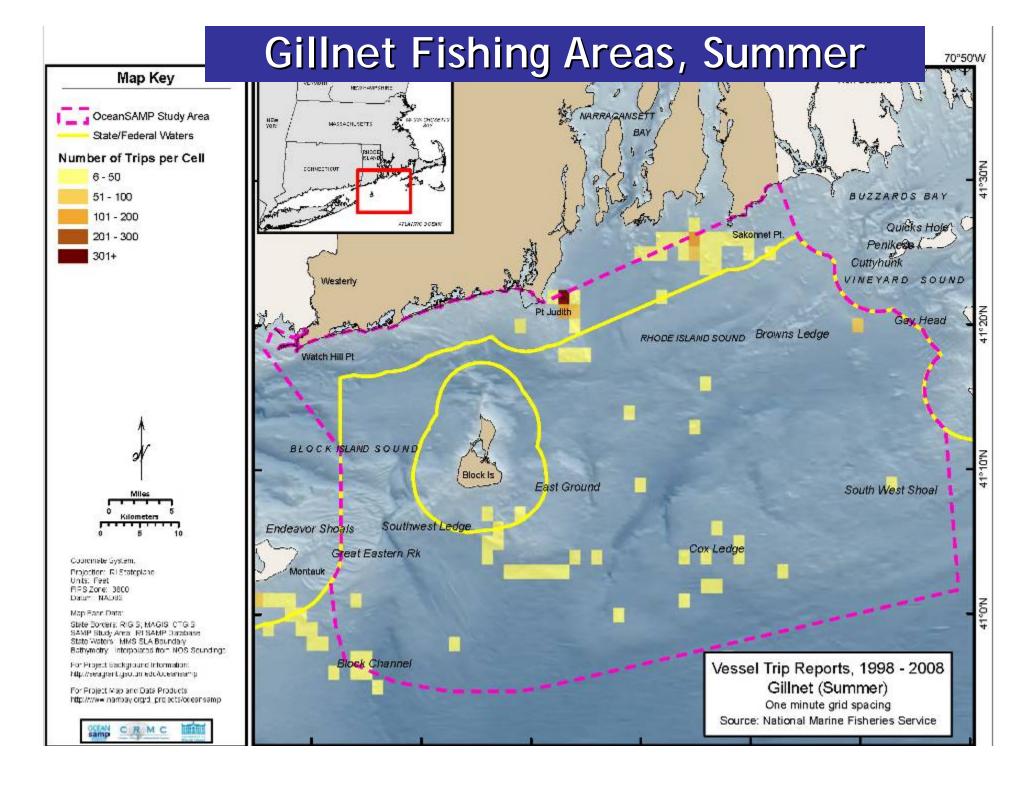


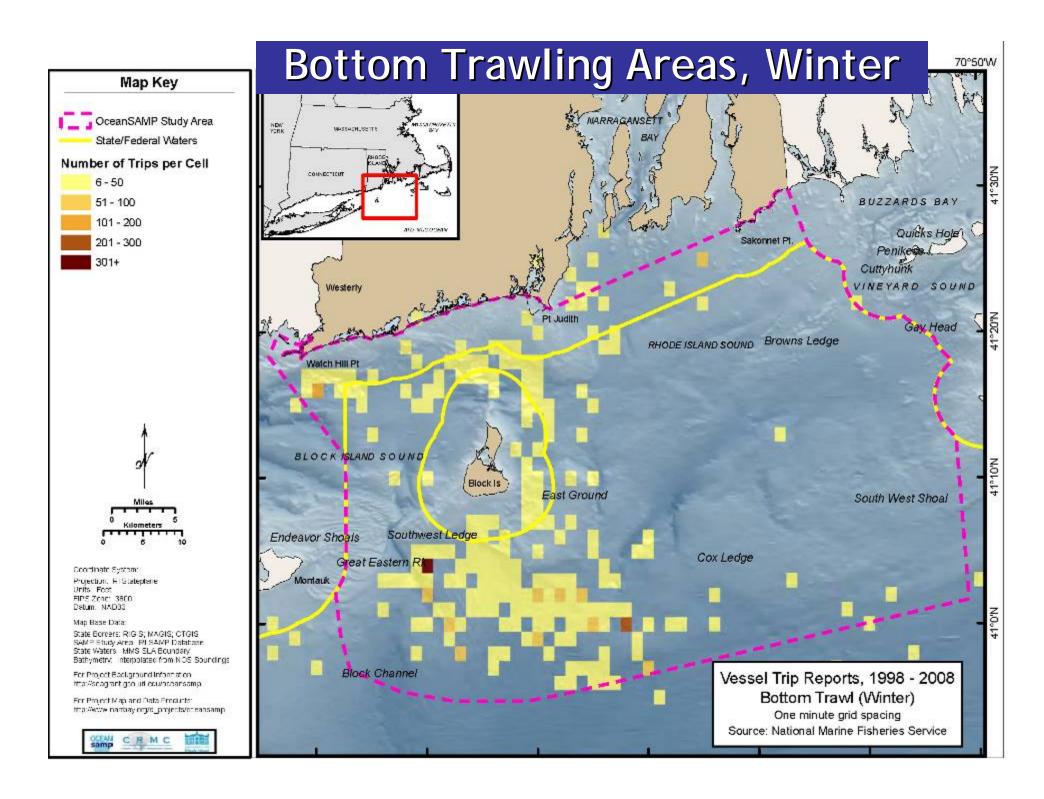
Mobile Gear, Fixed Gear, and Recreational Fishing Areas Based on Qualitative Input



Mobile Gear and Gillnet Fishing Areas Based on NMFS Vessel Trip Reports, 1998-2008







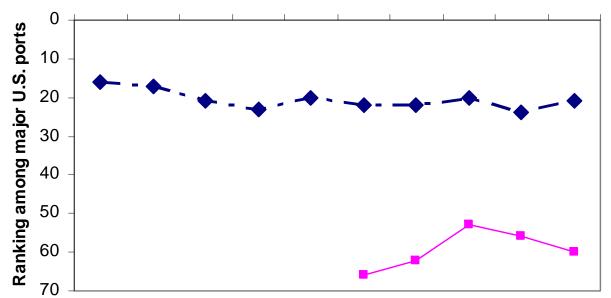
Commercial Fishery Landings (Weight)

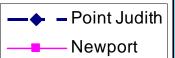
Ranking by Pounds of Commercial Fishery Landings at Major U.S. Ports

(No data available for Newport 1999-2003)

Year

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008







Data: NMFS, 2010







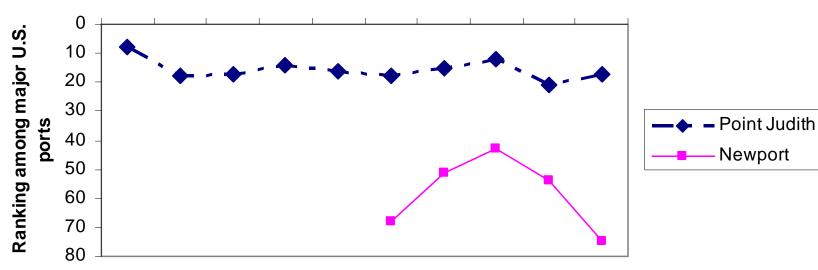
Commercial Fishery Landings (Value)

Ranking by Dollar Value of Commercial Fishery Landings at Major U.S. Ports

(No data avaliable for Newport 1999-2003)

Year

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008





Data: NMFS, 2010

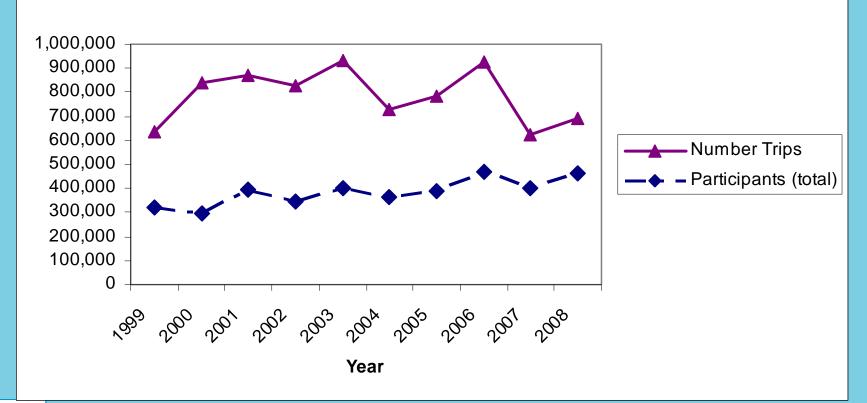




Recreational Fishing Effort



(Excludes Narragansett Bay)



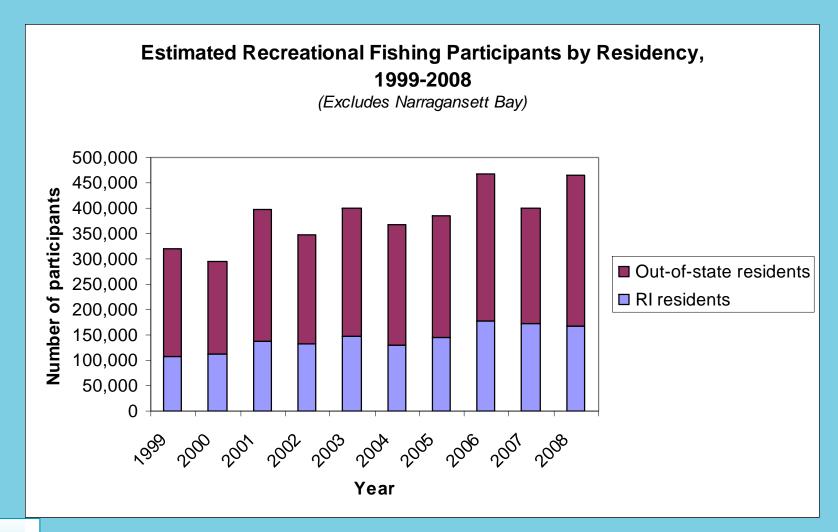


Data: NMFS, 2010





Recreational Fishing Participation









Impacts of Existing Activities and Trends on Fisheries Resources and Habitats

- Fishing activities
- Coastal development
- Introduced species
- Marine transportation
- Dredged material disposal
- Marine debris
- Marine fisheries diseases
- Global climate change











Review Process and Next Steps

- 1. Preliminary review with fisheries experts, regulatory agencies, and fisheries stakeholders
- 2. TAC review
- 3. Informal public comment period *NEXT....*
- 4. CRMC Ocean SAMP Subcommittee
- 5. 30-day public comment period







Thank you!



Sarah Smith (401) 874-6493 ssmith29@mail.uri.edu

Tiffany Smythe (401) 874-6197 tsmythe@crc.uri.edu

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Fisheries stakeholders

DEM, NMFS, and other partner agencies

Fisheries TAC

- Atlantic States Marine Fisheries Commission
- New England Fishery Management Council
- NMFS Northeast Regional Office
- RI Department of Environmental Mgmt.
- RI Sea Grant Fisheries
- Save the Bay
- Conservation Law Foundation
- The Nature Conservancy
- Commercial Fisheries Research FoundationURI GSO

- RI Lobstermen's Assn.
- RI Commercial Fishermen's Assn.
- RI Fishermen's Alliance
- RI Party and Charter Boat Assn.
- RI Saltwater Anglers Assn.
- RI Monkfishermen's Assn.
- Ocean State Aquaculture Assn.
- Ocean State Fishermen's Assn.
- Sakonnet Point Fishermen's Assn.
- Eastern NE Scalloper's Assn.





