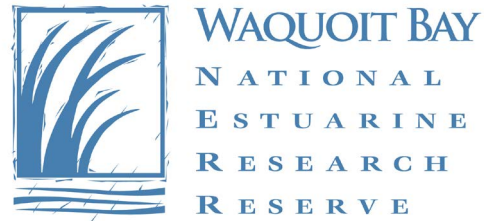


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STATE OF THE CAPE:
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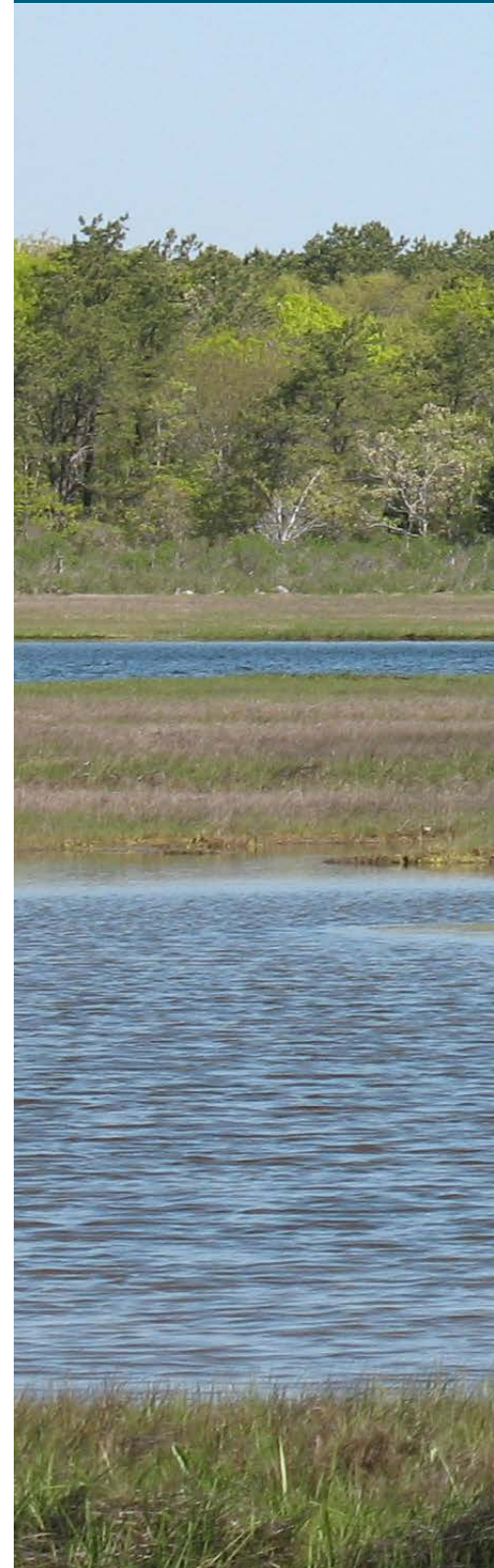


JUNE 13-14, 2013

DOUBLE TREE
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Continuing Education Credits Available, please inquire.



DAY ONE - THURSDAY, JUNE 13, 2013

7:30 – 8:30 *Sign-in & Refreshments*
Regatta Room

8:30 – 8:45 **Welcome and Opening Remarks**
Alison Leschen, Manager & Tonna-Marie Rogers, Coastal Training Program Coordinator, Waquoit Bay National Estuarine Research Reserve (NERR)

PLENARY SESSION I STATE OF THE CAPE'S WATERS & WETLANDS

Facilitator: Tonna-Marie Rogers, Waquoit Bay NERR

Morning Keynote: State of the Cape's Bays and Estuaries: Threats and Impacts to Coastal Ecosystem Health
Dr. Chris Neill, Director, Ecosystems Center, Marine Biological Laboratory

State of the Cape's Ponds: What Have We Learned through the Ponds and Lakes Stewardship (PALS) Program?
Ed Eichner, Senior Water Scientist, School for Marine Science & Technology, UMASS-Dartmouth

Cape Cod Wetlands: Challenges and Opportunities
Jeremy Bell, Restoration Specialist, MA DFG Department of Ecological Restoration

10:20 - 10:40 *Break, View Exhibits*

Water Quality Assessment of River Herring Spawning and Nursery Habitat
Brad Chase, Senior Marine Fisheries Biologist, MA Division of Marine Fisheries

Addressing Resource Management Challenges and Nutrient Pollution on the Cape
Kenneth Kimmell, Commissioner, MA Department of Environmental Protection

PLENARY SESSION II RESTORING WATER QUALITY: INNOVATE, INTEGRATE & COLLABORATE

Area Wide 208 Water Quality Management Plan Update
Erin Jackson, Special Projects Coordinator, Cape Cod Commission

Watershed: MVP for Community Wastewater Management and Decision-Making
Tom Cambareri, Water Resources Program Manager, Cape Cod Commission

Tackling Collaboration Challenges to Address Nitrogen Loading in Shared Watersheds
Edward Leonard, P.E., Sr. Project Manager, Wright-Pierce

12:30 – 1:30 *Lunch - Ivy Room*

PLENARY SESSION III THE DYNAMIC CAPE - DEALING WITH A CHANGING CLIMATE, SEA LEVEL RISE AND COASTAL HAZARDS

Afternoon Keynote: Modern Climate Change: Science and Global to Local Impacts
Dr. Fiamma Straneo, Oceanographer, Woods Hole Oceanographic Institution

Rising Seas, Rising Challenges: Understanding the Global Threat of Sea Level Rise
Dr. Jerry Mitrovica, Harvard University

2:40 – 3:00 *Break, View Exhibits*

Will the Cape Fall Into The Sea? Future Sea Level Rise and Coastal Change on Cape Cod
Dr. Rob Thieler, Coastal Geologist, United States Geological Survey

Tracking Natural Community Response to Sea Level Rise in Waquoit Bay
James Rassman, Stewardship Coordinator, Waquoit Bay NERR

Trends in Shoreline Change and Hazard Impacts: Hot Spots and Management Challenges
Greg Berman, Coastal Processes Specialist, Woods Hole Sea Grant and Cape Cod Cooperative Extension

Storm Surge Risk Modeling and Coastal Engineering Adaptations in a Changing Climate
Kirk Bosma, Coastal Engineer, Woods Hole Group

5:00 *Day 1 Wrap Up & Transition to Networking/Poster Session*

NETWORKING RECEPTION & POSTER SESSION

IVY LOUNGE

THURSDAY, JUNE 13
5:15PM - 6:45PM

DAY TWO - FRIDAY, JUNE 14, 2013

7:30 - 8:30 *Sign-in and Refreshments*
Regatta Room

8:30 – 8:40 Welcome and Opening Comments
Tonna-Marie Rogers, Coastal Training Program Coordinator, Waquoit Bay NERR

8:40 - 10:40 *Concurrent Sessions*

CONCURRENT SESSION A: CAPE COD 1 & 2 EXPLORING SHELLFISH AQUACULTURE AS A NITROGEN MANAGEMENT OPTION

Facilitators: Stephen McKenna, Massachusetts Office of Coastal Zone Management & Jo Ann Muramoto, Massachusetts Bays Program & Association to Preserve Cape Cod

Nitrogen in Shellfish and Key Considerations for Aquaculture Projects - What Are We Learning from Local Research?
Josh Reitsma, Marine Resource Specialist & Diane Murphy, Fisheries and Aquaculture Specialist, Cape Cod Cooperative Extension and Woods Hole Sea Grant

Shellfish and Water Quality Restoration in the Town of Mashpee
Rick York, Shellfish Constable, Town of Mashpee

Falmouth Shellfish Aquaculture Demonstration Project: Concept, Preparation and Progress
Ron Zweig, Town of Falmouth Water Quality Management Committee

CONCURRENT SESSION B: REGATTA ROOM RESTORING WATER QUALITY USING DIFFERENT TOOLS AND PLANNING APPROACHES

Facilitators: Kate Harvey, Waquoit Bay NERR & Lindsey Counsell, Three Bays Preservation

Locally Led Coastal Habitat Restoration to Improve Water Quality on Cape Cod - Donald Liptack, District Conservationist, USDA, Natural Resources Conservation Service

Using Innovative Demonstration Projects to Inform Decision-Making on Wastewater Solutions in the Town of Falmouth: Permeable Reactive Barriers and Inlet Widening
Jerry Potamis, Wastewater Superintendent, Town of Falmouth

Using an Integrated Approach in Brewster for Water, Wastewater, Ponds and Land Use Planning
Sue Leven, Town Planner, Town of Brewster and Mark Nelson, Horsley Witten Group

Algae Control by Phosphorous Inactivation: Cape Cod Results and Lessons - Ken Wagner, Water Resources Manager, Water Resource Services

Solar Water Circulators for Mitigation of Coastal Eutrophication in Santuit Pond - Rick York, Town of Mashpee

CONCURRENT SESSION C: CAPE COD 3 & 4 ADAPTING TO A CHANGING CLIMATE: HOW DO WE DO IT?

Facilitators: Brian Dudley, MA Department of Environmental Protection & Tonna-Marie Rogers, Waquoit Bay NERR

Unpacking Adaptation Planning: Moving From Theory to Practice
Lisa Dickson, PG, Vice President, Sustainability, Kleinfelder

Case Study – Sea Level Rise Planning on the South Shore
Paul Halkiotis, AICP, Town Planner, Town of Marshfield

Collaborative Approaches for Addressing Climate Risk
Patrick Field, Managing Director, Consensus Building Institute

Using LIDAR and Climate Information to Better Plan for Coastal Change - Facilitated Discussion

10:40 – 11:00 - *Break, View Exhibits*

CLOSING PLENARY USING SCIENCE & EFFECTIVE COMMUNITY ENGAGEMENT TO BUILD THE CAPE'S RESILIENCY TO CHANGE

Effectively Communicating Complicated Issues
Roger Stephenson, Stephenson Strategic Communications

Panel Discussion - Bridging the Divide: Linking Science with Local Solutions and Decision-Making
Panel Moderator - Heather Goldstone, Science Editor WCAI, the Cape & Islands NPR Station

Panelists:
Paul Niedzwiecki, Executive Director, Cape Cod Commission,
Richard Delaney, Executive Director, Provincetown Center for Coastal Studies (PCCS)
Pamela DiBona, Executive Director, Massachusetts Bays Program
Ed Dewitt, Executive Director, Association to Preserve Cape Cod
Robert O'Leary, Cape Cod Chamber of Commerce
Pat Hughes, Marine Policy Director, PCCS and Selectman, Town of Brewster.

12:30 – *Wrap-up and Adjourn*