

**MONDAY, JULY 20**

**11:00 a.m. to 12:30 p.m.**

Arlington

**SOCIAL, ECONOMIC, AND ENVIRONMENTAL PERSPECTIVES ON  
PROTECTED AREAS**

Moderator: Jeff Adkins, NOAA Coastal Services Center

**ADAPTIVE PROCESS DESIGN FOR MULTI-STAKEHOLDER ENVIRONMENTAL PLANNING: A  
TEMPLATE FOR SUCCESS FROM THE CALIFORNIA MARINE LIFE PROTECTION ACT INITIATIVE**

Evan Fox and Melissa Miller-Henson, California Marine Life Protection Act Initiative

**THE ROLE OF SOCIOECONOMIC DATA IN DESIGNING AND EVALUATING MPA NETWORKS:  
CALIFORNIA'S MARINE LIFE PROTECTION ACT PROCESS**

Charles Steinback, Sarah A. Kruse, Ph.D., Jon Bonkoski, Mike Mertens, and Astrid J. Scholz, Ph.D., Ecotrust

**PREVENTING THE ULTIMATE WIPEOUT: POLICY APPROACHES FOR PROTECTING  
SURFING AREAS**

Brycen Swart, Rick Wilson, and Chad Nelsen, Surfrider Foundation

**DEVELOPING A PROCESS AND CRITERIA FOR EVALUATING WISCONSIN'S LAKE SUPERIOR  
FRESHWATER ESTUARIES' ECOLOGICAL CHARACTERISTICS, RESEARCH POTENTIAL, AND  
EDUCATIONAL OPPORTUNITIES**

Travis Olson, Wisconsin Coastal Management Program; Patrick Robinson, Becky Sapper, and Cathy Techtmann, University of Wisconsin Extension

**11:00 a.m. to 12:30 p.m.**

Berkeley/Clarendon

**FROM OBSERVATIONS TO APPLICATIONS: ENHANCING COASTAL SCIENCE  
FOR MANAGERS, PRACTITIONERS, AND THE PUBLIC**

Moderator: Kristin Tronvig, NOAA Center for Operational Oceanographic Products and Services

**THE CHANGING TIDE: MEASURING, UNDERSTANDING, AND APPLYING VARIATIONS  
IN SEA LEVEL**

Allison L. Allen, NOAA Center for Operational Oceanographic Products and Services;  
Galen A. Scott, NOAA National Geodetic Survey

**MEASURING VERTICAL LAND MOTION AND THE IMPLICATIONS FOR LOCAL RATES OF SEA  
LEVEL RISE**

Galen A. Scott, NOAA National Geodetic Survey

*Additional Panelists:*

Perry F. Gayaldo, Ph.D., NOAA Restoration Center  
Kevin Knuuti, U.S. Army Corps of Engineers

**11:00 a.m. to 12:30 p.m.**

Georgian

**CLIMATE CHANGE IMPACTS**

Moderator: Daniella Hirschfeld, Massachusetts Office of Coastal Zone Management

**EVALUATING POTENTIAL SEA-LEVEL RISE IMPACT TO THE U.S. MID-ATLANTIC OCEAN COAST: RESULTS FROM A PANEL ASSESSMENT**

Benjamin T. Gutierrez, S. Jeffress Williams, and E. Robert Thieler, U.S. Geological Survey, Woods Hole Science Center

**CLIMATE CHANGE AND EUTROPHICATION STATUS AND TRENDS IN THE GULF OF MAINE**

Christine M. Tilburg, Gulf of Maine Council, Ecosystem Indicator Partnership; Holly Elwell, Tufts University; Jim Latimer, U.S. EPA Office of Research and Development; Gary Lines and Kathryn Parlee, Environment Canada; Susan Russell-Robinson, U.S. Department of the Interior

**PROJECTING EMPLOYMENT EFFECTS OF STORM SURGE AND SEA LEVEL RISE IN YORK COUNTY, MAINE**

Charles S. Colgan and Samuel Merrill, University of Southern Maine

**COASTAL FLOODING AND ENVIRONMENTAL JUSTICE: IDENTIFYING VULNERABLE COMMUNITIES AND FEASIBLE ADAPTATION STRATEGIES FOR THE BOSTON METRO AREA**

Ellen Douglas, Ph.D., and Chris Watson, Environmental, Earth and Ocean Sciences Department, University of Massachusetts, Boston; Paul Kirshen, Ph.D., Civil and Environmental Engineering, Tufts University; Jack Wiggin, Urban Harbors Institute, University of Massachusetts, Boston; Scott Goodwin, Center for Integrative Environmental Research and Department of Anthropology, University of Maryland, College Park

**11:00 a.m. to 12:30 p.m.**

Stanbro

**GOT ENERGY? TOOLS, LESSONS LEARNED, AND FUTURE TRENDS FOR TIDAL AND OFFSHORE ENERGY**

Moderator: Barry Logue, Second Wind, Inc.

**GOT TIDAL ENERGY? AN OPEN SOURCE, WEB-BASED, SPATIAL DECISION SUPPORT TOOL FOR TIDAL POWER SITING**

Phil Osborne and Jessica Côté, Pacific International Engineering; Allison Bailey, Sound GIS; Aaron Racicot, Z-Pulley, Inc.; Neil MacDonald, Coldwater Consulting Ltd.

**OFFSHORE RENEWABLE ENERGY SITING IN GERMANY AND THE UNITED STATES: LEGAL AND POLICY IMPEDIMENTS AND SUPPORTS**

Michelle E. Portman, Marine Policy Center, Woods Hole Oceanographic Institution; John A. Duff, Environmental, Earth and Ocean Science Department, University of Massachusetts, Boston; Johann Köppel and Jessica Reisert, Environmental Assessment and Policy Research Group, Technische Universität, Berlin; Megan E. Higgins, Marine Affairs Institute, Roger Williams University School of Law

**IMPACTS OF ENERGY RESOURCE DEVELOPMENT ON COASTAL COMMUNITIES**

Mitchell T. Baer, Office of Oil and Gas Analysis, Office of Policy, U.S. Department of Energy

**11:00 a.m. to 12:30 p.m.**

Terrace

**ECOSYSTEM ASSESSMENT, CONSERVATION, AND MANAGEMENT**

Moderator: Pete Wiley, NOAA Coastal Services Center

**INTEGRATED ECOSYSTEM ASSESSMENTS: A TOOL FOR BRIDGING SCIENCE AND ECOSYSTEM MANAGEMENT**

Gary C. Matlock, Ph.D., Robert Wood, Ph.D., Ruth Kelty, Ph.D., and Susan Baker, Ph.D., NOAA National Centers for Coastal Ocean Science

**SCIENCE TO INFORM AN ECOSYSTEM APPROACH TO MARINE MANAGEMENT**

Peter Taylor, Waterview Consulting

**AN ECOSYSTEM MANAGEMENT TOOL FOR THE SELECTION OF ENVIRONMENTAL AND SOCIO-ECONOMIC INDICATORS IN URBAN ESTUARIES**

Kim M. Frashure, Ph.D. Candidate, Robert E. Bowen, Ph.D, Robert F. Chen, Ph.D., and Anamarija Frankic, Ph.D., University of Massachusetts, Boston

**THE NATURE CONSERVANCY'S NORTHWEST ATLANTIC MARINE ECOLOGICAL ASSESSMENT: INTEGRATED PLANNING AND CONSERVATION OF COASTAL AND MARINE ENVIRONMENTS AND RESOURCES**

Sally Yozell and Jennifer Greene, The Nature Conservancy

## **MONDAY, JULY 20**

**2:00 to 4:30 p.m.**

St. James

### **CAFÉ CONVERSATION: NATIVE CONVERSATIONS: INTERGENERATIONAL CONNECTIONS TO OUR DECISION-MAKING**

Leader: Kalani Souza, PRiMO Indigenous Knowledge Hui

What would our great-great-grandchildren think of our natural resource management decision-making? This experience is designed to encourage immersion into “traditional science.” Let’s collaborate to uncover meaningful questions that will guide our future actions to manage our changing coastal and ocean resources. Join David Isaac and Juanita Brown, co-creators of the World Café; Dr. David G. Blumenkrantz, community psychologist, author, and teacher; and Native Cultural Practitioners, M. Kalani Souza and Chadd Paishon (Master Navigator), to experience the heart of indigenous conversations.

**2:00 to 4:30 p.m.**

Stuart

### **CAFÉ CONVERSATION: BUILDING CAPACITY FOR COLLABORATIVE DECISIONS, RESILIENT ECOSYSTEMS, AND SUSTAINABLE PRACTICES: WATER, LAND, COMMUNITY, AND PEOPLE**

Leader: Marilyn Buchholtz ten Brink, Ph.D., U.S. Environmental Protection Agency

Population growth, urban expansion, and the warming climate have stressed, and will continue to stress, our coastal ecosystems. This café conversation will provide a forum to discuss the interface between people, technical knowledge, and environmental decisions; the urgent need to build capacity across the public sector for collaborative decision-making; the common interest in creating or preserving resilient ecosystems; and the implementation of sustainable practices. Participants are encouraged to bring examples of successes and challenges to this facilitated discussion, share their priorities, and take home strategies and tools that can assist in decision-making within estuarine watersheds.

**2:00 to 4:30 p.m.**

Thoreau

### **CAFÉ CONVERSATION: THE U.S. OFFSHORE WIND COLLABORATIVE: NEW PARTNERSHIPS, BIG CHALLENGES**

Leader: Fara Courtney, Good Harbor Consulting

Offshore renewable energy has the potential to contribute significant public benefits, including climate change mitigation, economic development opportunities, and energy security, among others, creating new alliances among diverse interests. The U.S. Offshore Wind Collaborative (USOWC) provides a forum for ocean and clean energy advocates, state and federal agencies, academic institutions, and industry to work together to create sustainability in this promising new industry. This café conversation will focus on setting a collective agenda for this multi-sector partnership.

**2:00 to 4:30 p.m.**

White Hall

**CAFÉ CONVERSATION: ESTABLISHING A RESILIENT MARINE PROTECTED AREAS NETWORK: WHAT'S HAPPENING?**

Leaders: Annie Hillary and Gonzalo Cid, NOAA International Program Office

A new era in marine protected area management and network building is emerging. This café conversation will provide a forum for discussing advances being made to establish marine protected area (MPA) networks. The café will provide an opportunity for participants to provide insights on how to develop resilient MPA networks, as well as on current best practices. The results will be summarized and made available to participants and interested individuals and organizations.

**2:00 to 4:30 p.m.**

Whittier

**CAFÉ CONVERSATION: WHO SHOULD PAY FOR CONSERVATION?**

Leader: Neal Fishman, California Coastal Conservancy

Science, management, restoration, and technology are increasingly expensive. Join in a conversation about funding sources and effective strategies for increasing the size of the pie for the coast and ocean.

**2:00 to 3:30 p.m.**

Arlington

**FISHERIES MANAGEMENT**

Moderator: Martha Maxwell Doyle, Barnegat Bay Estuary Program

**ATLANTIC COASTAL FISH HABITAT PARTNERSHIP: THE ROLE OF A FISH HABITAT PARTNERSHIP IN COASTAL HABITAT CONSERVATION**

Emily Greene, Atlantic Coastal Fish Habitat Partnership

**GRAPHICAL DEPICTION OF THE ECONOMIC EFFECTS OF FISHERY MANAGEMENT MEASURES**

Monica Galligan, M.Sc. Candidate, Division of Science and Environmental Policy, California State University, Monterey Bay

**PARTICLE TRACKING TO SIMULATE THE EFFECTS OF PROPOSED HURRICANE PROTECTION STRUCTURES ON THE MOVEMENT OF LARVAL FISH BEHAVIORS INTO LAKE PONTCHARTRAIN**

Jennifer N. Tate, Tate O. McAlpin, and Tahirih C. Lackey, U.S. Army Corps of Engineers Coastal and Hydraulics Laboratory

**LINKING DRIVING FORCES OF VULNERABILITY TO THE CONSEQUENCES OF REGULATIONS IN NEW ENGLAND FISHING COMMUNITIES: A CAUSAL MODEL TO INFORM FISHERIES MANAGEMENT**

Seth Tuler and Thomas Webler, Social and Environmental Research Institute, Inc.; Colin Polsky, Department of Geography, Clark University

**2:00 to 3:30 p.m.**

Berkeley/Clarendon

**PARTNERING WITH NOAA SEA GRANT IN YOUR STATE**

Moderator: Monique Myers, California Sea Grant, University of California  
Cooperative Extension

NATURAL RESOURCE OUTREACH COALITION AND NEW HAMPSHIRE'S COASTAL  
COMMUNITIES: EASING THE GROWING PAINS

Julia Peterson, University of New Hampshire Sea Grant Extension

JASPER COUNTY NATURAL RESOURCES CONSERVATION PLAN: PREPARING FOR GROWTH

April Turner, South Carolina Sea Grant Consortium

LOCAL DECISION-MAKER: A WEB-BASED GIS PLANNING SYSTEM FOR NATURAL RESOURCES  
AND ECONOMIC DEVELOPMENT

Robert McCormick, Illinois-Indiana Sea Grant College Program

UTILIZING SHIPWRECKS, COASTAL TOURISM AND MARITIME HERITAGE AS AN ECONOMIC  
DEVELOPMENT TOOL

Joseph E. Lucente and Dave Kelch, Ohio State University Extension, Ohio Sea Grant  
College Program

**2:00 to 3:30 p.m.**

Georgian

**GEOLOGIC MAPS AND MODELS OF COASTAL AND NEARSHORE CHANGE  
FOR AIDING COASTAL MANAGERS IN ADAPTING TO SEA LEVEL RISE  
AND STORMS**

Moderator: S. Jeffress Williams, U.S. Geological Survey

**ASSESSING EXTREME STORM AND LONG TERM COASTAL CHANGE HAZARDS USING  
AIRBORNE LIDAR**

Asbury H. Sallenger, U.S. Geological Survey (USGS) and the USGS National Assessment of  
Coastal Change Hazards Team

**USING BAYESIAN NETWORKS TO EVALUATE SEA-LEVEL RISE IMPACTS FOR DECISION MAKING**

Benjamin T. Gutierrez, E. Robert Thieler, and S. Jeffress Williams, U.S. Geological Survey,  
Woods Hole Science Center; Nathaniel Plant, U.S. Geological Survey, Center for Coastal  
and Watershed Studies; Donald R. Cahoon and Glenn Guntenspergen, U.S. Geological  
Survey, Patuxent Wildlife Research Center; Dean Gesch, U.S. Geological Survey, Earth  
Resources Observation and Science Center, John Masterson, U.S. Geological Survey,  
Massachusetts/Rhode Island Water Science Center

**INTEGRATION OF GEOLOGIC FRAMEWORK AND OCEANOGRAPHIC STUDIES TO DEVELOP  
PREDICTIVE MODELS OF COASTAL CHANGE**

Walter A. Barnhardt and John C. Warner, U.S. Geological Survey

**SEAFLOOR SEDIMENT CHARACTERIZATION OF U.S. CONTINENTAL SHELVES  
USING USSEABED**

S. Jeffress Williams, Matthew A. Arsenault, Lawrence J. Poppe, and Jane A. Reid, U.S. Geological Survey; Chris J. Jenkins, University of Colorado

**2:00 to 3:30 p.m.**

Stanbro

**ECOSYSTEM-BASED MANAGEMENT APPROACHES**

Moderator: Pat Collins, Minnesota Lake Superior Coastal Program

**SAVING LONG ISLAND SOUND: REGIONAL SOLUTIONS FOR LONG-TERM BIODIVERSITY**

Jon Kachmar, The Nature Conservancy

**PORT ORFORD, OREGON: A COMMUNITY APPROACH TO ECOSYSTEM-BASED MANAGEMENT**

Leesa Cobb, Port Orford Ocean Resource Team; Pete Stauffer, Surfrider Foundation; Jennifer Bloeser, Pacific Marine Conservation Council

**ACCLIMATIZING TO A NEW BAY AREA: ECOSYSTEM-BASED TOOLS AND RECOMMENDATIONS**

Daniel Robinson, San Francisco Bay Conservation and Development Commission

**EVERYONE IN THE WATER: COLLABORATIVE ENGAGEMENT TO ADVANCE NEW YORK'S  
ECOSYSTEM-BASED MANAGEMENT INITIATIVE**

Sue Senecah, New York Ocean and Great Lakes Ecosystem Conservation Council

**2:00 to 3:30 p.m.**

Terrace

**REALIZING THE VISION FOR THE FUTURE OF THE COASTAL ZONE  
MANAGEMENT ACT**

Moderator: Kristen Fletcher, Coastal States Organization

**REAUTHORIZATION OF THE CZMA: FACT OR FICTION?**

Kristen Fletcher, Coastal States Organization

**REALIZING THE VISION FOR THE FUTURE OF COASTAL MANAGEMENT**

John H. Dunnigan, NOAA National Ocean Service

**ALTERNATIVE ENERGY AND THE FUTURE OF COASTAL MANAGEMENT**

Chad Nelson, Surfrider Foundation

**COASTAL MANAGEMENT IN THE ERA OF CLIMATE CHANGE**

Kathryn Mengerink, Environmental Law Institute

**MONDAY, JULY 20**

**4:00 to 5:00 p.m.**

Arlington

**REGIONAL SEDIMENT MANAGEMENT**

Moderator: Rebecca Haney, Massachusetts Office of Coastal Zone Management

**INTEGRATING DREDGING PROJECTS INTO A BROADER MANAGEMENT CONTEXT IN  
NEW ENGLAND**

Thomas J. Fredette, U.S. Army Corps of Engineers, New England District; Melville P. Côté, Jr., U.S. Environmental Protection Agency, Region 1; Drew A. Carey, CoastalVision

**BORROW AREA MANAGEMENT FOR BARRIER ISLAND RESTORATION IN LOUISIANA**

Syed M. Khalil, Louisiana Office of Coastal Protection and Restoration

**EMERGING SEDIMENT MANAGEMENT EFFORTS ON CAPE COD: A LOCAL APPROACH**

Stephen J. McKenna, Massachusetts Coastal Zone Management

**4:00 to 5:00 p.m.**

Berkeley/Clarendon

**THE DEBATE OVER AQUACULTURE**

Moderator: Susan Bunsick, NOAA Aquaculture Program

**REFRAMING THE DEBATE OVER AQUACULTURE**

Kevin Amos, Susan Bunsick, and Kate Naughten, NOAA Aquaculture Program

**NOAA'S ROLE IN THE FUTURE OF U.S. MARINE AQUACULTURE**

David O'Brien, NOAA Aquaculture Program

**AQUACULTURE AND TOURISM IN THE COASTAL ZONE: CONFLICT AND INNOVATION IN  
NEW ZEALAND**

Laura W. Jodice, Clemson University; John Hull, New Zealand Tourism Research Institute, Auckland University of Technology; Ulrike Sassenberg, Auckland University of Technology

**4:00 to 5:00 p.m.**

Georgian

**CLIMATE CHANGE IN THE GREAT LAKES: A PRESENTATION PANEL TO  
DISCUSS THE RISK, VULNERABILITY, AND THE ROLE OF ADAPTATION IN  
ADDRESSING COASTAL HAZARDS**

Moderator: Pat Collins, Minnesota's Lake Superior Coastal Program

**CLIMATE CHANGE IN THE GREAT LAKES: THE BIG PICTURE**

Heather Stirratt, NOAA Coastal Services Center

**GREAT LAKES CLIMATE CHANGE ADAPTATION STRATEGIES**

Patrick J. Doran, Ph.D., The Nature Conservancy



CLIMATE CHANGE AWARENESS FOR THE GREAT LAKES REGION: WISCONSIN SEA GRANT'S  
APPROACH FOR RESEARCH AND OUTREACH OF ADAPTIVE RESPONSE PLANNING

Gene R. Clark, P.E., University of Wisconsin Sea Grant Institute

**4:00 to 5:00 p.m.**

Stanbro

**EVALUATING THE EFFECTIVENESS OF COASTAL ECOSYSTEM SCIENCE  
AND MANAGEMENT: MOVING BEYOND PERFORMANCE MEASURES**

Moderator: Cory Riley, Cooperative Institute for Coastal and Estuarine Environmental  
Technology and NOAA Estuarine Reserves Division

CHALLENGE, PROMISE AND PRACTICE OF EVALUATING COASTAL ECOSYSTEM SCIENCE  
AND MANAGEMENT

Andy Rowe, ARCeconomics, Inc.

LESSONS FROM EXPERIENCE WITH A MULTI-STEP PROCESS FOR EVALUATING ECOSYSTEM  
MANAGEMENT EFFORTS

Julia Wondolleck, University of Michigan, School of Natural Resources and Environment

COASTAL ECOSYSTEM PROGRAM EVALUATION: MEASURING PROGRESS IN THE NATIONAL  
ESTUARY PROGRAMS

Richard Ribb, Narragansett Bay Estuary Program

**4:00 to 5:00 p.m.**

Terrace

**MARINE ECOSYSTEM-BASED MANAGEMENT IN PRACTICE IN THE  
NORTHEAST U.S.**

Moderator: Heather Leslie, Brown University

SMALL-SCALE ECOSYSTEM-BASED MANAGEMENT IN MAINE: THE TAUNTON BAY  
CASE STUDY

Kathleen Leyden, Maine Coastal Program

ECOSYSTEM-BASED MANAGEMENT AND THE MASSACHUSETTS OCEAN PLAN: APPLICATIONS  
AND LESSONS LEARNED

Deerin Babb-Brott, Massachusetts Office of Coastal Zone Management

RHODE ISLAND'S SPECIAL AREA MANAGEMENT PLANS: AN ECOSYSTEM MANAGEMENT TOOL  
Grover Fugate, Rhode Island Coastal Resources Management Council