

## **CONFERENCE POSTERS**

### **COASTAL COMMUNITIES ADAPTING TO CHANGING CONDITIONS**

#### **COASTAL DEVELOPMENT REGULATION IN RESPONSE TO COASTAL EROSION IN THREE NORTHWEST FLORIDA COUNTIES**

Ariana Marshall and Larry Robinson, Ph.D., Florida A&M University, NOAA Environmental Cooperative Science Center and Environmental Sciences Institute

#### **COASTAL GEOLOGIC HAZARDS AND CLIMATE CHANGE**

Jon C. Boothroyd, Rhode Island Geological Survey, University of Rhode Island; Rachel E. Hehre, Department of Geosciences, University of Rhode Island

#### **COMMUNICATING RISK ASSOCIATED WITH A DYNAMIC COASTLINE**

Alan Lulloff, Association of State Floodplain Managers

#### **A DATA INTEGRATION FRAMEWORK TO ENHANCE RESEARCH, MONITORING, AND ASSESSMENT OF COASTAL AND OCEAN CONDITIONS TO BENEFIT COASTAL COMMUNITIES**

Charles Alexander, Jeff de La Beaujardiere, Carmel Ortiz, Rebecca Shuford, and Marcia Weeks, NOAA Integrated Ocean Observing Systems

#### **DECADES OF CHANGE IN A RURAL COASTAL ZONE: WATER, MANGROVE, FISH AND PEOPLE**

Jon P. Altamirano and Hisashi Kurokura, Laboratory of Global Fisheries Science, University of Tokyo

#### **DEVELOPING A SEA LEVEL RISE ADAPTATION PLAN FOR THE STATE OF DELAWARE**

Gabrielle Lyons, Susan Love, and Dave Carter, Delaware Coastal Programs, Division of Soil and Water Conservation, Delaware Department of Natural Resources and Environmental Control

#### **DEVELOPING GUIDANCE FOR THE MANAGEMENT OF MARINE RIPARIAN AREAS IN PUGET SOUND, WASHINGTON**

Kathy Taylor, Ph.D., Washington Department of Ecology; Timothy Quinn, Ph.D., and Randy Carman, Washington Department of Fish and Wildlife; Jim Brennan, Washington Sea Grant; Hilary Culverwell, Starrfish Environmental Consulting

#### **DEVELOPMENT OF NEW YORK STATE GUIDELINES FOR POST-STORM REDEVELOPMENT PLANS**

Patricia Bowie, New York State Department of State, Division of Coastal Resources

#### **THE DEVELOPMENT OF THE SOUTH CAROLINA COASTAL INFORMATION NETWORK AND PORTAL SITE: BRINGING TRAINING OPPORTUNITIES AND EDUCATIONAL RESOURCES TO COASTAL COMMUNITY OFFICIALS AND THE PUBLIC**

April L. Turner and Samantha M. Bruce, South Carolina Sea Grant Extension Program

**THE GULF OF MEXICO AT A GLANCE: A PRESENTATION OF SELECTED REGIONAL SOCIOECONOMIC VARIABLES DEVELOPED IN SUPPORT OF THE GULF OF MEXICO ALLIANCE**

Kristen Crossett, NOAA Special Projects, Coastal Resources Assessment Branch

**HD.GOV: AN INTERAGENCY WEB PORTAL FOCUSED ON THE HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT**

Hansje Gold-Krueck, The Baldwin Group at the NOAA Coastal Services Center; Jeffery E. Adkins, NOAA Coastal Services Center; Fred J. Clark, Office of Tribal Relations, U.S. Forest Service; Thomas E. Fish, Cooperative Ecosystem Studies Units Network, National Park Service

**MARINE AND COASTAL ADAPTATION TO CLIMATE CHANGE IN NORTH AMERICA: A SYNTHESIS OF EMERGING IDEAS**

Lara Hansen, Rachel M. Gregg, Jennie Hoffman, Eric Mielbrecht, Jessica Hitt, and Alex Score, EcoAdapt

**MONITORING OYSTER VIABILITY AFTER REINTRODUCTION TO BOSTON HARBOR**

Mathew E. Brevard, M.S., and Andrew Jay, DMD, MBA, Massachusetts Oyster Project; Richard Bradshaw, Ph.D., Condition Engineering

**MULTI-DIMENSIONAL INTEGRATED APPROACH TO COASTAL ENVIRONMENT MANAGEMENT IN MASAN BAY OF KOREA**

Jungho Nam, Wonkeun Chang, Jisun Lee, Heejung Choi, and Keunhyung Yook, Ocean and Coastal Policy Research Department, Korea Maritime Institute

**A NOVEL APPROACH FOR ESTIMATING HURRICANE DAMAGES TO COASTAL FISHING**

Rex H. Caffey and Richard F. Kazmierczak, Center for Natural Resource Economics and Policy, Louisiana State University

**NUMERIC NUTRIENT CRITERIA FOR THE GREAT BAY ESTUARY IN NEW HAMPSHIRE**

Philip R. Trowbridge, Piscataqua Region Estuaries Partnership

**OPENING WINDOWS FOR CLIMATE CHANGE POLICY DEVELOPMENT: KEY FACTORS**

Rebecca Feldman, NOAA Office of Ocean and Coastal Resource Management

**AN OVERVIEW OF FLOODING, EROSION AND VILLAGE RELOCATION EFFORTS IN THE NATIVE VILLAGE OF NEWTOK, ALASKA**

Sally Russell Cox, Alaska Division of Community and Regional Affairs; Stanley Tom, Newtok Traditional Council, Native Village of Newtok

**THE PACIFIC ISLANDS COASTAL MANAGER'S VIRTUAL LIBRARY AND FORUM**

Carrie Hall, Sarah van der Schalie, and Marjorie Ernst, NOAA Office of Ocean and Coastal Resource Management; Mary Lou Cumberpatch, NOAA Central Library; Stephanie Fauver, Steve Frano, and Stephanie Beard, NOAA Coastal Services Center; Sarah Jones, NOAA National Weather Service

**A PARAMETRIC STUDY OF METEOROLOGICAL FORCING IN STORM SURGE MODELING: A CASE STUDY IN COASTAL MISSISSIPPI**

Himangshu S. Das, Jackson State University; Emily Dhingra, URS Corporation

**PROCESSING AND ACCURACY OF TOPOGRAPHIC LIDAR DATA IN COASTAL MARSHES**

Keil Schmid, Brian Hadley, and Rebecca Love, I.M. Systems Group at the NOAA Coastal Services Center; Rebecca Mataosky and Robert McGuinn, The Baldwin Group at the NOAA Coastal Services Center

**PROJECT CI-FLOW – TRACKING THE RAINDROP FROM THE SKY TO THE SUMMIT TO THE SEA**

Suzanne Van Cooten, NOAA National Severe Storms Laboratory; Kevin Kelleher, Jack Thigpen and Robert Bacon

**A QUANTITATIVE ANALYSIS OF THE RELATIONSHIP BETWEEN SOCIO-ECONOMIC INDICATORS AND VULNERABILITY TO COASTAL FLOODING**

Jawon Lee, Geography Department, Sungshin Women's University, Korea; Ellen Douglas, Environmental, Earth and Ocean Sciences, University of Massachusetts, Boston

**A REVIEW OF THE PUERTO RICO SUSTAINABLE COASTAL COMMUNITY DEVELOPMENT PROJECT: CHALLENGES AND OPPORTUNITIES TO REACH SUSTAINABLE DEVELOPMENT IN THE CARIBBEAN**

Lillian Ramírez-Durand and Manuel Valdés-Pizzini, Ph.D., Sea Grant College Program, University of Puerto Rico

**THE ROLE OF ABIOTIC FACTORS IN SUBMERGED AQUATIC VEGETATION CHANGE IN THE HUDSON RIVER**

Catherine A. McGlynn, Hudsonia Ltd.; Eugenia Barnaba, Susan Hoskins, and Stephen Smith, Institute for Resource Information Sciences, Cornell University; Elizabeth A. Blair, Hudson River National Estuarine Research Reserve; Stuart E. G. Findlay, Cary Institute of Ecosystem Studies; W. Charles Nieder, New York State Department of Environmental Conservation

**SATELLITE OCEANOGRAPHY AT THE NOAA NATIONAL OCEANOGRAPHIC DATA CENTER: A NEW GENERATION OF HIGH QUALITY LONG-TERM CLIMATE DATA RECORDS AND ENHANCED USER ACCESS**

Kenneth Casey, Yongsheng Zhang, Tess Brandon, Vicky Lin, and Sheri Phillips, NOAA National Oceanographic Data Center

**SHORELINE CHANGE IN ACCRA, GHANA: PAST, PRESENT, AND FUTURE**

Kwasi Appeaning Addo, Ph.D., Accra Polytechnic

**SPATIAL MODELS FOR THE ASSESSMENT OF THE STORM-SURGE AFFECTED REGIONS IN COASTAL AREAS: CASE STUDY OF THE CYCLONE NARGIS IN MYANMAR**

Ceyhun Ozcelik, Columbia University; Yuri Gorokhovich, Lehman College, City University of New York

THE STATE OF THE COAST WEB SITE: TELLING THE STORY OF THE COAST  
Chris David, NOAA Special Projects Office

STORMSMART COASTS IN ACTION: AN EVALUATION OF LOCAL LEVEL CLIMATE CHANGE  
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Daniella Hirschfeld, Massachusetts Office of Coastal Zone Management

A STUDY OF WATER CIRCULATION AND WATER QUALITY IN HILO BAY, HAWAII

Jessica H. Podoski and Thomas D. Smith, U.S. Army Corps of Engineers,  
Honolulu District

TOWARD UNDERSTANDING THE DYNAMICS OF WATER DEPENDENT USES AND COASTAL  
POLICY THROUGH RHODE ISLAND'S PORTS AND COMMERCIAL HARBORS INVENTORY

Donald D. Robadue, Jr., Rebecca Bannon, and Angela Wilson, University of Rhode  
Island; Austin Becker, Stanford University

TSUNAMI EDUCATION, PREPARATION AND RECOVERY PROJECT FOR DOWNTOWN HILO

Christian Kay, County of Hawai'i Planning Department; Genevieve Cain, Pacific  
Tsunami Museum

VENTURA COUNTY'S COMPACT FOR SUSTAINABLE DEVELOPMENT

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

VISIBLE SPACE BY LANDSCAPE RECOGNITION BY LOCAL INHABITANTS AND  
THE COMPOSITION

Hiroto Ohuchi, Department of Architecture College of Industrial Technology, Nihon  
University, Japan; Satoshi Yamada and Setsuko Ouchi, Graduate School of Industrial  
Technology, Nihon University, Japan

VISUALIZING SEA LEVEL RISE: A GLIMPSE AT RHODE ISLAND'S FUTURE COASTLINE

Angela Wilson, Virginia Lee, Pam Rubinoff, and Nate Vinhatero, Coastal Resources  
Center, University of Rhode Island

## **CONSERVATION IN THE FACE OF CHANGE**

### **ADDRESSING MARINE DEBRIS PREVENTION THROUGH EXISTING SOLID WASTE AND WASTEWATER MANAGEMENT TOOLS**

Ashley Greene, U.S. Environmental Protection Agency, Ocean and Coastal Protection Division

### **ASSESSMENT OF HORSESHOE CRAB MANAGEMENT REGIMES**

Denise M. Ellis and John A. Duff, J.D., LL.M., University of Massachusetts, Boston

### **CULTURAL AND HISTORICAL RESOURCE ASSESSMENT FOR ECOSYSTEM-BASED MANAGEMENT**

Zac Hart, I.M. Systems Group at the NOAA Coastal Services Center; Christina Hoffman, The Baldwin Group at the NOAA Coastal Services Center; Rebecca Pollock, NOAA Coastal Services Center; Susan Schlosser, California Sea Grant Extension Program; Tiffany Wilson, Planwest Partners, Inc.

### **DEFINING AND MEETING MANAGEMENT CHALLENGES AT THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY**

Craig D. MacDonald, Stellwagen Bank National Marine Sanctuary

### **DELAWARE BAY BENTHIC MAPPING PROJECT: PROVIDING CONSTRAINTS ON CONSERVATION OF THE ESTUARY**

John Madsen, University of Delaware; Bartholomew Wilson and Michael Rhode, Delaware Department of Natural Resources and Environmental Control

### **ECONOMIC VALUATION OF POTENTIAL ECOSYSTEMS BENEFITS FROM CRAWFISH POND HABITAT IN COASTAL LOUISIANA**

John V. Westra and Rex H. Caffey, Center for Natural Resource Economics and Policy, Louisiana State University; Jay V. Huner, Crawfish Research Station, University of Louisiana at Lafayette

### **EXAMINING THE EFFICIENCY OF COASTAL RESTORATION IN LOUISIANA**

Rex H. Caffey and John Westra, Center for Natural Resource Economics and Policy, Louisiana State University; Christiane Aust, Department of Agricultural Economics and Agribusiness, Louisiana State University

### **GREEN MARINAS ON NANTUCKET ISLAND: A RECIPE FOR A SUSTAINABLE WILD BAY SCALLOP FISHERY ON NANTUCKET ISLAND, MASSACHUSETTS, USA**

Kimberly Starbuck, Urban Harbor Institute; Anamarija Frankic, University of Massachusetts, Boston

**IMPROVING COASTAL LAND-USE PLANNING THROUGH THE APPLICATION OF DECISION SUPPORT TOOLS IN THE MISSION-ARANSAS NATIONAL ESTUARINE RESEARCH RESERVE**

Kiersten Madden and Sally Morehead, Mission-Aransas National Estuarine Research Reserve; Patrick Crist, NatureServe; Ken Dunton, Department of Marine Science, University of Texas at Austin; Dave Eslinger, NOAA Coastal Services Center; John Jacob, Texas Coastal Watershed Program, Texas Sea Grant Extension; Doug Walker, Placeways

**AN INTERNET-BASED, GEOSPATIAL TECHNIQUE FOR ASSESSING SCENIC PREFERENCES AND AESTHETIC RESOURCES FOR WASHINGTON STATE PARKS**

Anthony O. Gabriel, Department of Geography, Central Washington University; David S. Cordner, Center for Spatial Information, Central Washington University

**MARINE DEBRIS IN “DOWN EAST” NORTH CAROLINA: LOCAL PERCEPTIONS AND MITIGATIVE APPROACHES**

Chris Ellis, Ph.D., NOAA Coastal Services Center; Shay Viehman and Jenny Vander Pluym, NOAA National Centers for Coastal Ocean Science, Center for Coastal Fisheries and Habitat Research; Paula Gillikin, North Carolina Division of Coastal Management, North Carolina National Estuarine Research Reserve; Katherine Straus, Vassar College

**MARINEMAP: PARTICIPATORY MARINE PROTECTED AREA DESIGN USING AN WEB-BASED OPEN SOURCE TOOL**

Charles Steinback, EcoTrust; Will McClintock, Chad Burt, Colin Ebert, Jared Kibele, Chris MacDonald, Matt Merrifield, Mike Mertens, Alexei Peters, and Dennis Wuthrich

**MONITORING THE RESTORATION OF RED BROOK, A SMALL COASTAL STREAM IN SOUTHEASTERN MASSACHUSETTS**

Ellen M. Douglas, Steven L. Kichefski, Barry Fradkin, and Allen M. Gontz, Environmental, Earth and Ocean Sciences, University of Massachusetts, Boston; Beth C. Lambert and Tim A. Purinton, Massachusetts Riverways Program, Department of Fish and Game

**RESPONDING TO THE CORAL REEF USER COMMUNITY: THE NOAA CORAL REEF INFORMATION SYSTEM (CORIS) REGIONAL DATA PORTAL**

Michele Newlin, Donald Collins, Anthony Picciolo, Sarah O'Connor, Sheri Phillips, and Zachary Bronder, NOAA National Oceanographic Data Center; Davida Remer and Georgia Shao, NOAA National Ocean Service, Communications and Education Division; Robb Wright, NOAA National Ocean Service, Strategic Program Services Division

**A SPATIAL BIBLIOGRAPHY TO ASSESS EXISTING INFORMATION ON ATLANTIC COASTAL FISH HABITAT**

David Moe Nelson, Tom McGrath, and Ken Buja, NOAA Center for Coastal Monitoring and Assessment; Emily Greene, Atlantic States Marine Fisheries Commission

**SPATIAL ECONOMICS OF WETLAND MITIGATION BANKING**

Rex H. Caffey, Ryan Bourriaque, and John Westra, Center for Natural Resource Economics and Policy, Louisiana State University

**UNDERSTANDING THE ROLE OF ENGOS IN DEVELOPING FISHERY MANAGEMENT PLANS**

Alesia N. Read, Department of Natural Resources and the Environment, University of New Hampshire

## **OCEAN AND GREAT LAKES PLANNING FOR CHANGING HUMAN USES**

### **DEPOSITIONAL ENVIRONMENTS AND SEDIMENT TRANSPORT ON A MICROTIDAL, WAVE DOMINATED SHOREFACE**

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### **DERELICT GEAR HOTSPOT ANALYSIS: USING SPATIAL MODELING TOOLS TO SUPPORT DERELICT NET REMOVAL EFFORTS IN PUGET SOUND**

Jeremy Davies and Tom Good, NOAA Fisheries, Northwest Fisheries Science Center; Ginny Broadhurst, Northwest Straits Commission; Kyle Antonelis, Natural Resources Consultants, Inc.

### **THE HYDROLOGICAL IMPACT OF THERMOELECTRIC ENERGY PRODUCTION IN MASSACHUSETTS**

Seth Sheldon and Anamarija Frankic, University of Massachusetts, Boston

### **IN-STREAM GRAVEL MINING IN OREGON**

James W. Charland, Oregon Coastal Management Program

### **AN INTERAGENCY APPROACH TO RENEWABLE ENERGY PLANNING AND RESOURCE MAPPING: CURRENT INITIATIVES IN THE STATE OF MAINE**

Matthew E. Nixon, Maine State Planning Office and Maine Department of Marine Resources

### **A LOCAL COMPARISON OF SEA MUSSEL, MYTILUS CALIFORNIANUS (CONRAD) GROWTH RATES ON THE CENTRAL COAST OF CALIFORNIA**

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### **NEW NORTHWARD POLYCHAETES IMMIGRANTS THROUGH THE SUAZ CANAL**

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### **OBSERVATIONS OF COASTAL SUSPENDED SEDIMENTS DURING THE 2005 HURRICANE SEASON**

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**REACHING THE SHORE: PROVIDING SHORELINE PUBLIC ACCESS INFORMATION THROUGH THE WASHINGTON COASTAL ATLAS**

Deborah Purce and Kathy Taylor, Ph.D., Shorelands and Environmental Assistance Program, Washington State Department of Ecology

**SEAMLESS NETWORK CONCEPT SPURS USE OF REMUS IN ENVIRONMENTAL DATA GATHERING FOR DOCK-SITE PLANNING AT SANDYHOOK, NJ, GATEWAY NATIONAL RECREATION AREA, NPS**

Norbert P. Psuty, Michael DeLuca, Joseph Dobarro, Tom Grothues, and Tanya Silveira, Rutgers University; Barry Sullivan and Mark Christiano, Gateway National Recreation Area, National Park Service; Lisa Auermuller, Jacques Cousteau National Estuarine Research Reserve; Charles T. Roman, National Park Service

**SEDIMENT MANAGEMENT STRATEGIES FOR THE LONG ISLAND REPLACEMENT CABLE PROJECT: MAPPING THE PLUME OF PLANNING AND IMPLEMENTATION STRATEGIES**

Mark D. Driscoll and Susan M. Herz, ESS Group, Inc.

**SITING ANALYSIS FOR HULL, MASSACHUSETTS, OFFSHORE WIND ENERGY PROJECT: STUCK BETWEEN A ROCK AND A CRUSTACEAN**

Glendon Barnes, Mark D. Driscoll, Carol Wasserman, Jonathan Alvarez, and Meghann Murray, ESS Group, Inc.

**STAKEHOLDER-DRIVEN REGIONAL RESEARCH PLANNING: AN EXAMPLE OF TWO APPROACHES**

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