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APPLYING OCEAN OBSERVING TECHNOLOGIES

[THE ALASKA OCEAN OBSERVING SYSTEM: A DEMONSTRATION IN PRINCE WILLIAM SOUND](#)

Molly McCammon and G. Carl Schoch, Alaska Ocean Observing System

[ASSESSMENT OF AN OPERATIONAL HARMFUL ALGAL BLOOM FORECAST SYSTEM FOR THE EASTERN GULF OF MEXICO: A COMPARATIVE ANALYSIS OF SUCCESS AND UTILIZATION SINCE IMPLEMENTATION](#)

Cristina Urizar, Allison Allen, Kathleen Fisher, Heidi Keller, Lori Fenstermacher, Zachary Bronder, and Mark Vincent, National Oceanic and Atmospheric Administration (NOAA) Center for Operational Oceanographic Products and Services; Richard Stumpf and Michelle Tomlinson, NOAA National Centers for Coastal Ocean Science

[THE CENTER FOR INTEGRATED MARINE TECHNOLOGIES: LONG-TERM OCEAN OBSERVING SYSTEM IN MONTEREY BAY, IMPROVING THE UNDERSTANDING OF OCEAN AND COASTAL ECOSYSTEMS](#)

Rondi J. Robison, Center for Integrated Marine Technologies (CIMT); Laura Beach, Raphe Kudela, Don Croll, Mike Weise, and Gary Griggs, University of California Santa Cruz (UCSC); Heather Kerkering, Central and Northern California Ocean Observing System (CeNCOOS)

[COASTAL STORMS PROGRAM OBSERVATION SYSTEMS ENHANCEMENTS IN THE PACIFIC NORTHWEST](#)

Richard Crout, NOAA National Data Buoy Center

[EAGLE RAY DEEP-SEA MAPPING AUTONOMOUS UNDERWATER VEHICLE \(AUV\) COMES ONLINE](#)

Thomas Potts, NOAA Undersea Research Center

[GLOBAL OCEAN DATA ASSIMILATION EXPERIMENT \(GODAE\) HIGH RESOLUTION SEA SURFACE TEMPERATURE PROJECT: ENABLING A NEW GENERATION OF HIGH RESOLUTION SEA SURFACE TEMPERATURE COASTAL APPLICATIONS](#)

Kenneth S. Casey, Ph.D., and Sheri A. Phillips, NOAA National Oceanographic Data Center; Craig J. Donlon, Hadley Centre for Climate Prediction and Research

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

INTEGRATED ECOSYSTEM HEALTH ASSESSMENTS: UTILIZING PATHOBIOLOGY AS AN INDICATOR

Gretchen Messick, John M. Jacobs, Bob Wood, Shawn McLaughlin, Jay Lewis, and A.K. Leight, NOAA Cooperative Oxford Laboratory

INTEGRATING NEAR REAL-TIME WATER QUALITY MONITORING AND HIGH FREQUENCY RADAR SURFACE CURRENTS IN SAN FRANCISCO BAY

Dale Robinson, Ph.D., San Francisco State University

INUNDATION AND COASTAL OCEAN OBSERVING

David Chapman, Mid-Atlantic Coastal Ocean Observing Regional Association (MACOORA)

THE MASHING STAGE OF PRODUCT DEVELOPMENT: INTEGRATING DATA AND TECHNOLOGIES FOR IMPROVED UNDERSTANDING AND MANAGEMENT OF CALIFORNIA COASTAL AND OCEAN ISSUES THROUGH OCEAN OBSERVING SYSTEMS

Heather Kerkering, Central and Northern California Ocean Observing System (CeNCOOS)

OBSERVATIONAL PRIORITIES FOR A CARIBBEAN COASTAL OCEAN OBSERVING SYSTEM

Julio Morell, Caribbean Regional Association for Coastal Ocean Observing

PILOT VISUAL SURVEY OF ORFORD REEF, OREGON

Bill Miller and Arlene Merems, Oregon Department of Fish and Wildlife, Marine Resources Program; Hal Weeks, Shoals Marine Laboratory, Cornell University

SOUTHERN CALIFORNIA COASTAL OCEAN OBSERVING SYSTEM (SCCOOS): USING TIME SERIES, REAL-TIME OBSERVATIONS, AND RAPID RESPONSE CAPABILITY TO IMPROVE REGIONAL COASTAL MANAGEMENT

Stephanie Peck, SCCOOS, Scripps Institution of Oceanography, University of California, San Diego

APPLYING SCIENCE TO DECISIONS

COASTLINE AUTOMATED DETECTION AND MULTI-RESOLUTION EVALUATION USING SATELLITE IMAGES

L.A. Ruiz, J.E. Pardo, J. Almonacid, and B. Rodríguez, Department of Cartographic Engineering, Geodesy and Photogrammetry, Polytechnic University of Valencia (Spain)

DEEP OCEAN WATER DEVELOPMENT IN TAIWAN: WATER QUALITY AND FUTURE APPLICATIONS

Ta-Kang Liu, Jin-Li Yu, and Ruey-Chy Kao, Tainan Hydraulics Laboratory, National Cheng-Kung University; Hwung-Hweng Hwung, Department of Ocean and Hydraulic Engineering, National Cheng-Kung University

DEVELOPMENT OF A KNOWLEDGE-BASE IN SUPPORT OF SOUTHEASTERN TIDAL CREEK RESEARCH AT THE NOAA CENTER OF EXCELLENCE FOR OCEANS AND HUMAN HEALTH AT THE HOLLINGS MARINE LABORATORY

David L. White and Danna Wolf, NOAA Hollings Marine Laboratory; Dwayne E. Porter, Department of Environmental Health Sciences, Arnold School of Public Health, University of South Carolina

EUTROPHICATION IN U.S. ESTUARIES: A DECADE OF CHANGE (1990s–2000s)
Ben Longstaff, Ph.D., NOAA–University of Maryland Center for Environmental Science (UMCES) Partnership

LEVERAGING SURFICIAL MAPPING TECHNOLOGY FOR SUSTAINABLE COASTAL DEVELOPMENT

Sunny B. Simpkins, Curt D. Peterson, and Kenneth M. Cruikshank, Department of Geology, Portland State University

A MODEL FOR EVALUATING SAMPLING PROTOCOLS FOR DOMOIC ACID CONCENTRATION IN SHELLFISH

William C. Griffith, Finn T. O. Krogstad, and Elaine M. Faustman, University of Washington

NEUSTON, MICROLAYERS, AND SURFACE FILMS: SCIENCE AT THE AIR-WATER INTERFACE

Randall W. Smith, Department of Environmental Sciences and Resources, Portland State University

PERSPECTIVE AND PURPOSE: ALIGNING DECISION CONTEXTS, SIMULATION MODELING TECHNIQUES, AND PARTICIPATORY AQUATIC RESOURCE MANAGEMENT

Emily Cloyd, College of Environmental Science and Forestry, State University of New York

PHYSICAL BEACH MONITORING OF URBANIZED PUGET SOUND BEACH NOURISHMENT SITES

Jonathan Waggoner, Coastal Geologic Service, Inc.

RECOMMENDING APPROPRIATE SHORELINE STABILIZATION METHODS FOR DIFFERENT ESTUARINE SHORELINE TYPES IN NORTH CAROLINA

Bonnie M. Bendell, North Carolina Division of Coastal Management, North Carolina Biological and Physical Processes Work Group

THE SAN FRANCISCO BAY NATIONAL ESTUARINE RESEARCH RESERVE'S NEW COASTAL TRAINING PROGRAM: INTEGRATING SCIENCE AND MANAGEMENT TO IMPROVE THE HEALTH OF THE ESTUARY

Sarah Davies and Marina Psaros, San Francisco Bay National Estuarine Research Reserve

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

**SHORELINE CHANGES ANALYSIS IN POINT PELEE NATIONAL PARK, ONTARIO,
CANADA (1959–2004)**

Abdullah BaMasoud and Mary-Louise Byrne, Department of Geography and
Environmental Studies, Wilfrid-Laurier University

**THE STAKEHOLDERS VERSUS THE ALGORITHM IN MARINE PROTECTED AREA
DESIGN: A COMPARISON OF STAKEHOLDER PROPOSALS AND RESERVE SELECTION
SOFTWARE RESULTS**

Carissa Joy Klein, University of Queensland, The Ecology Centre; Charles Steinback,
Ecotrust

STATE OCEAN MANAGEMENT PLANS AND POLICIES: SYNTHESIS REPORT

Braxton C. Davis, Katie E. Semon, and Melissa S. Rada, South Carolina Department of
Health and Environmental Control, Ocean and Coastal Resource Management

**USING GEOGRAPHIC INFORMATION SYSTEMS (GIS) AS A DECISION-SUPPORT TOOL IN THE
U.S. VIRGIN ISLANDS**

Jordan Gass, NOAA Coastal Management Fellow, Virgin Islands Division of Coastal
Zone Management

CONSERVING OUR COASTAL HERITAGE

NO PLACE STAYS SPECIAL BY ACCIDENT, MAINE COAST PROTECTION INITIATIVE
Brooke Chakides, Perot Systems Government Services at the NOAA Coastal
Services Center

CREATING LIVABLE COASTAL COMMUNITIES

ADDRESSING SUSTAINABLE PUBLIC ACCESS IN THE VIRGINIA COASTAL ZONE

Jacqueline Shapo, NOAA Coastal Management Fellow, Virginia Coastal
Zone Management Program and the Middle Peninsula Chesapeake Bay Public
Access Authority

**CHALLENGES OF THE VIRGIN ISLANDS COASTAL ZONE MANAGEMENT PROGRAM IN
PRESERVING OUR COASTAL RESOURCES**

Algem Petersen, Jean-Pierre Oriol, and Lillian Moolenaar, Department of Planning and
Natural Resources, Virgin Islands Coastal Zone Management Program

**IMPROVING COASTAL COMMUNITY RESILIENCY THROUGH BETTER LOCAL
FLOODPLAIN MANAGEMENT**

Wesley Shaw, NOAA Coastal Management Fellow, Massachusetts Office of Coastal
Zone Management

**WORKING WITH COMMUNITIES TO DEVELOP SOLUTIONS TO LOCAL
TRANSPORTATION PROBLEMS**

Thomas Guevara Jr. and John McDonald, Oregon Department of Transportation

EDUCATING AND INVOLVING COMMUNITIES

**CENTRAL CALIFORNIA COAST SEABIRD COLONY PROTECTION PROGRAM:
REDUCING HUMAN DISTURBANCES THROUGH MONITORING, COORDINATED
MANAGEMENT AND OUTREACH**

Karen Reyna and Kelley Higgason, Gulf of the Farallones National Marine Sanctuary; Gerard J. McChesney, U.S. Fish and Wildlife Service, Common Murre Restoration Project; Richard T. Golightly, Humboldt State University; Jennifer Boyce, NOAA Restoration Center

**COASTAL WACCAMAW STORMWATER EDUCATION CONSORTIUM: A REGIONAL
COLLABORATION OF STORMWATER EDUCATION FOR COASTAL COMMUNITIES**

Karen Fuss and Susan Libes, Coastal Carolina University; Cal Sawyer and Dan Hitchcock, Clemson University; Jeff Pollack, North Inlet–Winyah Bay National Estuarine Research Reserve

**COMMUNITY COLLABORATION: IMPROVING OREGON FISHING COMMUNITY PROFILES
THROUGH PARTNERSHIP**

Christina L. Package, Oregon State University, Department of Anthropology; Leesa Cobb, Port Orford Ocean Resource Team; Flaxen Conway, Department of Sociology, Oregon State University, Sea Grant Extension

**COOPERATIVE FISHERIES RESEARCH ON THE U.S. WEST COAST: PAST LESSONS, PRESENT
EFFORTS, AND OPTIONS FOR THE FUTURE**

Jedidiah Moore, Marine Resource Management Program, College of Oceanic and Atmospheric Sciences, Oregon State University

**NEW PLACES, NEW PEOPLE, FEWER FEET– COASTAL OBSERVATION AND SEABIRD
SURVEY TEAM (COASST) EXPANDS TO ALASKA**

Jane Dolliver, University of Washington

**NOAA'S CORAL REEF INFORMATION SYSTEM: IMPROVED SINGLE-POINT ACCESS TO
NOAA CORAL REEF INFORMATION AND DATA PRODUCTS**

Kelly K. Logan, Michele L. Newlin, and Anthony R. Picciolo, NOAA Coral Reef Information System; Sheri A. Phillips, NOAA National Oceanographic Data Center; Cecilia Torres, NOAA Coral Reef Conservation Program

OHIO COASTAL ATLAS

Brian George, Ohio Department of Natural Resources, Office of Coastal Management

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

**OIL ACTIVITIES AND ITS ASSOCIATED PROBLEMS IN THE AFRICAN GULF OF
GUINEA REGION**

Babagana Abubakar, Nigerian Ports Authority

**PRESERVING A COASTAL RESOURCE FOR THE FUTURE: THE HARBOR SEALS OF CASA
BEACH IN LA JOLLA, CALIFORNIA**

Loretta LaBianca, Sierra Club; Bobbi Weaver, San Diego Chapter, Sierra Club

PUBLIC INVOLVEMENT IN GRAY'S REEF NATIONAL MARINE SANCTUARY MANAGEMENT

Rebecca Shortland, National Marine Sanctuary Program, Gray's Reef National Marine Sanctuary; James Sullivan, National Marine Sanctuary Program; Sarah Fangman, National Marine Sanctuary Program, Southeast Region

**RIGOROUS DATA BY REGULAR PEOPLE: THE COASTAL OBSERVATION AND SEABIRD
SURVEY TEAM**

Julia K Parrish, Ph.D., University of Washington

MANAGING AS IF ECOSYSTEMS MATTER

**COMMUNITIES, STAKEHOLDERS, AND THE GENERAL PUBLIC: LESSONS FROM FISHERIES
PRACTITIONERS IN THE UNITED STATES**

Rosemary Kosaka, NOAA Fisheries Office of Science and Technology

**DON'T JUDGE A FISH BY ITS COVER: WHAT DO HABITAT AREAS OF PARTICULAR
CONCERN (HAPCS) REALLY MEAN ANYWAY?**

Heather Ludemann and Jamison Howard, National Marine Fisheries Service, Office of Habitat Conservation

ECOGIS – GIS TOOLS FOR ECOSYSTEM APPROACHES TO FISHERIES MANAGEMENT

David Moe Nelson and Eric Finnen, NOAA National Ocean Service, Center for Coastal Monitoring and Assessment; Tim Haverland, NOAA National Marine Fisheries Service, Office of Science and Technology

**INCOFISH: FROM LOCAL KNOWLEDGE TO GLOBAL UNDERSTANDING OF SUSTAINABLE
CONSERVATION MANAGEMENT STRATEGIES**

Rachel Atanacio, WorldFish Center, Philippine Office, Philippines

LAND ACQUISITIONS: A WATERSHED APPROACH

Katy O'Connell, Delaware National Estuarine Research Reserve

**A NATIONAL OVERVIEW OF STATE AND TERRITORIAL COASTAL ZONE MANAGEMENT
PROGRAM WETLANDS MANAGEMENT NEEDS AND PRIORITIES**

Elizabeth Mountz, NOAA Office of Ocean and Coastal Resource Management

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

NAVIGATE THE LAWS IN YOUR REGION USING THE LEGISLATIVE ATLAS

Hamilton Smillie, NOAA Coastal Services Center; Melissa Ladd, Andrea Geiger, and Adam Bode, Perot Systems Government Services at the NOAA Coastal Services Center; Robert Hudson, Photo Science, Inc.

NOAA COASTAL CHANGE ANALYSIS PROGRAM (C-CAP) ON OAHU, HAWAII

Jamie Carter, Perot Systems Government Services at the NOAA Pacific Services Center

SEBASTIAN INLET COMPREHENSIVE NATURAL RESOURCES MANAGEMENT PLAN

David Stites, Ph.D., Taylor Engineering

STRATEGIES TO PROTECT COASTAL RESIDENT FISH PASSAGE

Kerry Howard and Mac McLean, Department of Natural Resources, Alaska Office of Habitat Management and Permitting; Marty Welbourn Freeman, Alaska Department of Natural Resources, Division of Forestry

WATERSHED DATABASE AND MAPPING PROJECT FOR THE PACIFIC NORTHWEST

Benjamin Shorr, NOAA Office of Response and Restoration

PROMOTING REGIONAL SEDIMENT STRATEGIES

DEVELOPING OHIO'S LAKE ERIE SHORE EROSION MANAGEMENT PLAN

Amanda Wenczel, NOAA Coastal Management Fellow, Ohio Department of Natural Resources, Office of Coastal Management

INTEGRATION OF SEAFLOOR POINT DATA IN USSEABED

Jane A. Reid and Nadine E. Golden, U.S. Geological Survey, Pacific Science Center; S. Jeffress Williams, U.S. Geological Survey, Woods Hole Science Center; Mark Zimmermann, National Marine Fisheries Service, Alaska Fisheries Science Center; Chris Jenkins, Institute of Arctic and Alpine Research, University of Colorado

USE OF GIS TO SUPPORT A REGIONAL SEDIMENT AND WATER CLARITY STRATEGY FOR THE CHESAPEAKE BAY

John Wolf, National Park Service; Howard Weinberg, University of Maryland Center for Environmental Studies; Keely Clifford, U.S. Environmental Protection Agency; Lee Currey, Maryland Department of the Environment

VARIABILITY OF SEDIMENT SUPPLY TO THE OCEANSIDE LITTORAL CELL

Carla Chenault Grandy and Gary B. Griggs, University of California, Santa Cruz, Earth and Planetary Science Department and Institute of Marine Sciences

PROTECTING AND RESTORING WATER QUALITY

COMMUNITY ADVOCACY FOR WATER QUALITY

James W. Charland, Oregon Department of Land Conservation and Development

INTEGRATING WATERSHED AND COASTAL RESOURCE MANAGEMENT: AN INSTITUTIONAL PERSPECTIVE WITH EXPERIENCES IN THE WIDER CARIBBEAN

Arwen Edsall, NOAA National Ocean Service International Programs Office and School of Marine Affairs, University of Washington; Clement Lewsey, Gonzalo Cid, and Ed Kruse, NOAA National Ocean Service International Programs Office

SHOALWATER BAY CHEMICAL MONITORING INFORMATION SYSTEM

Greg Robillard, Ecotrust

USING GIS IN WASTEWATER TREATMENT MONITORING

Clinton J. Little and Benjamin J. Mattila, Minnesota's Lake Superior Coastal Program; Jeff Crosby, Environmental Health Specialist, Duluth, Minnesota

USING LIDAR AND GROUND PENETRATING RADAR TO MODEL GROUNDWATER IN DUNAL AQUIFERS

Matthew Brown, Geology Department, Portland State University

RESTORING COASTAL HABITATS

BEACH FILL PLANNING ON BARRIER ISLANDS

Todd L. Walton, Jr., Beaches and Shores Resource Center, Florida State University

BULKHEAD REMOVAL FEASIBILITY STUDY, CENTRAL PUGET SOUND, WASHINGTON

Andrea MacLennan, Coastal Geologic Service, Inc.

COASTAL RESTORATION IN OREGON AND WASHINGTON: A 15 YEAR OVERVIEW

Katie A. Barnas and Stephen L. Katz, NOAA Fisheries, Northwest Fisheries Science Center

NOAA COMMUNITY-BASED RESTORATION PROGRAM IN HAWAII: MAUKA TO MAKAI

Lindsay Yates, I.M. Systems Group at the NOAA Restoration Center

NOAA RESTORATION DAY: VOLUNTEERING TO RESTORE THE CHESAPEAKE BAY

Alison Hammer, NOAA National Ocean Service, Special Projects Office

REESTABLISHING A WETLAND IN TOMALES BAY, CALIFORNIA FROM DIKED FARM LAND

John Dinger and Roberto Anima, U.S. Geological Survey, Coastal and Marine Geology Team

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

RESTORING HYDROLOGIC BARRIERS TO FISH PASSAGE: COMMUNITY-BASED RESTORATION OPTIONS

Craig A. Woolcott, NOAA Fisheries Restoration Center

STATUS AND TRENDS OF ESTUARINE MARSHES AND TIDAL FLATS ON BARRIER ISLANDS OF THE TEXAS GULF COAST

Thomas A. Tremblay, William A. White and Rachel L. Waldinger, Bureau of Economic Geology, University of Texas at Austin; Thomas R. Calnan, Coastal Coordination Division, Texas General Land Office

UNDERSTANDING COASTAL HAZARDS

THE COASTAL CHANGE HAZARDS NODE OF THE USGS COASTAL AND MARINE KNOWLEDGE BANK: ONLINE SCIENTIFIC RESOURCES FOR COASTAL ZONE MANAGEMENT AND DISASTER PREPAREDNESS

M. Dennis Krohn, Alan O. Allwardt, and Frances L. Lightsom, U.S. Geological Survey (USGS), Coastal and Marine Geology Program

COASTAL EROSION IN HOMER, ALASKA

Fredrick Foster, Ph.D., Kachemak Bay Research Reserve

DEVELOPING A BARRIER ISLAND GEOHAZARDS MAP: GALVESTON ISLAND, TEXAS

James C. Gibeaut, Thomas A. Tremblay, Rachel Waldinger, Edward W. Collins, Rebecca C. Smyth, William A. White, Tiffany L. Hepner, John R. Andrews, and Roberto Gutierrez, Bureau of Economic Geology, Jackson School of Geosciences, University of Texas at Austin

MEASURING MANGROVE BIOMASS USING LIDAR AND HIGH-RESOLUTION MULTISPECTRAL IMAGERY: FLORIDA KEYS COASTAL VULNERABILITY CASE STUDY

John Chadwick, Ph.D., Department of Geography and Earth Sciences, University of North Carolina

UNDERSTANDING SOCIAL AND ECONOMIC DRIVERS

DESCRIBING THE SOUTHERN RESIDENT KILLER WHALE (SRKW) WATCHING INDUSTRY OF THE GREATER PUGET SOUND

Suzanne Russell, NOAA Fisheries Service, Northwest Fisheries Science Center

DEVELOPING A PROGRAM FOR IMPROVING COMPLIANCE WITH THE CALIFORNIA COASTAL ACT

Elijah Davidian, NOAA Coastal Management Fellow, California Coastal Commission

*Proceedings of Coastal Zone 07
Portland, Oregon
July 22 to 26, 2007*

**AN INTERAGENCY HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT WEB
PORTAL: HUMANDIMENSIONS.GOV**

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