

# Coastal Zone 2011 Chicago, Illinois

JULY 17 TO 21, 2011  
HYATT REGENCY CHICAGO

## Program

**Winds of Change:**  
Great Lakes  
Great Oceans  
Great Communities



# Coastal Zone 2011 Chicago, Illinois

**JULY 17 TO 21, 2011**

**The Winds of Change Are Coming!  
Join Us as We Set sail!**

Dear Coastal Colleague,

Welcome to a week packed full of interesting sessions and events. We kick off CZ11 with a tribute to the Great Lakes' cultural and natural resource history in "Restoring the Sweetwater Seas", followed by the Plenary, "Winds of Change: Charting the Future of Our Oceans and Great Lakes. John Podesta, President and CEO of the Center for American Progress, will moderate and engage our Nation's leaders in a candid roundtable discussion focused on identifying key challenges and new approaches in coastal, ocean, and Great Lakes management.

On Tuesday, July 19th, choose from two focus sessions: "Illustrating the National Ocean Policy Vision" or "Making Gulf Prosperity Gumbo" and engage in interactive discussion. Honorable William Ruckelshaus and Honorable Norman Mineta of the Joint Ocean Commission Initiative (JOICI) will share their insights from JOICI's latest report, "Keeping an Eye on US Ocean Policy".

Our closing plenary will leave you with ideas to consider now for our future, "Innovation and Adaptation to a Changing Coastal Climate".

Throughout the week there will be more than 180 technical sessions including café conversations and poster sessions, two luncheons with distinguished speakers, award ceremonies, workshops, training programs, and field trips. The conference guarantees robust discussions and rich opportunities to network, explore and interact. With a wide array of coastal and ocean topics that are changing our coastal communities and our estuarine, marine, and Great Lakes environments, this meeting will help us all address recurring problems and explore new approaches to ocean and coastal resource management.



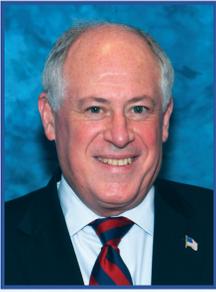
Ralph Cantral  
Conference Chair and Senior Advisor  
Office of Ocean and Coastal Resource Management, National Ocean Service, NOAA

## **CZ11 Great Lakes Opening Plenary "Restoring the Sweet Water Seas"**

**Monday, July 18, 8:00-9:25 am  
Regency**

Welcome to CZ11 and to the Great Lakes region. Our "Sweetwater Seas" boast more than 10,000 miles of coastline, more than the entire Atlantic east coast, and are home to invaluable and unique natural resources. Shared between the U.S., Canada and many tribal nations, these enormous inland seas profoundly influence the cultural heritage of the area. Paying homage to this rich cultural history, CZ 11 opens with a Native American drumming ceremony and blessing. The opening plenary will continue with an overview of the rich history and dominating role the Great Lakes play in the region. Enjoy a thought-provoking, round-table discussion with leaders sharing their viewpoints on the challenges facing the region and the significant role the coastal area will play in sustaining future environmental and economic development.

## **Honorable Pat Quinn, State of Illinois**



Patrick Joseph "Pat" Quinn III is the 41st and current Governor of Illinois and a member of the Democratic Party. His priorities include advocating for taxpayers and consumers, protecting the environment, promoting decent health care, and helping members of the armed services and their families. Governor Quinn, 60, is a graduate of Northwestern University School of Law and holds an international economics degree from Georgetown University. He was the sitting lieutenant governor, was re-elected Governor on November 2, 2010, and elected Commissioner of the Cook County Board of (Property) Tax Appeals in 1982 and served as Revenue Director for the City of Chicago. The father of two sons, Quinn grew up in Hinsdale and now lives in Chicago, Illinois.

## **Mr. Cameron Davis - Senior Advisor to the Administrator for the Great Lakes, EPA**



Mr. Cameron Davis provides counsel to Administrator Lisa Jackson on the Obama Administration's Great Lakes Restoration Initiative involving the coordination of Great Lakes policy and funding initiatives. For more than two decades he has worked to develop and implement water quality and quantity policy. Starting as a volunteer, he served as a litigating attorney and law teacher at the University of Michigan Law School before serving as president and CEO of the Alliance for the Great Lakes. He is the author of *Confluence* (BookSurge 2009), the first of a new genre, the "genoir."

## **Panelists:**

### **Honorable Tom Barrett, Mayor of Milwaukee, Wisconsin**



Mr. Tom Barrett was first elected Milwaukee's 40th Mayor on April 6, 2004, and won a second term in 2008 with 79% of the vote – the largest percentage a Mayoral candidate has received in 40 years.

Tom Barrett grew up on Milwaukee's West side, graduated college and law school from the University of Wisconsin-Madison, was a member of both the Wisconsin State Assembly and State Senate, and was elected to five terms in the U.S. House of Representatives. Barrett and his wife, Kris, live in Milwaukee's Washington Heights Neighborhood with their four children; Tommy, Annie, Erin, and Kate.

### **Mr. Marc Miller, Director, Illinois Department of Natural Resources**



Mr. Marc Miller is Director of the Illinois Department of Natural Resources. Under his direction the agency has resumed its leadership position in advancing ecosystem, habitat, and watershed-based restoration and promotion of Illinois' outdoor recreation opportunities.

From reopening state parks, filling critical vacancies with natural resource professionals, and securing funding to allow for the restoration of over 40,000 acres to improve water quality and wildlife habitat along the Illinois River, his commitment is renewing the conservation mission of the Department of Natural Resources for the next generation.

### **Mr. Michael Goffin, Acting Regional Director General, Ontario Region Environment Canada**



Mr. Michael Goffin has been a Director in the Corporate Branch of Environment Canada Ontario Region since 1997. He is responsible for the delivery of the Great Lakes Basin Ecosystem Initiative, Communications, Community Outreach, Aboriginal Affairs, and Intergovernmental and International Relations. Michael joined Environment Canada in 1981. He has worked in a number of positions at both the regional and national levels, with responsibility for program delivery, planning, and policy development. His career in Environment Canada has included positions in the Canadian Wildlife Service, Meteorological Service of Canada, Environmental Protection Service, and Finance and Administration. Michael received his undergraduate training in environmental studies from the University of Toronto, and a Master of Science degree in Geomorphology, also from the University of Toronto.

## **Rear Admiral Michael Parks, Commander, U.S. Coast Guard, Ninth District**



Rear Admiral Michael Parks is the operational commander of the Ninth Coast Guard District, which spans the five Great Lakes, Saint Lawrence Seaway and parts of the surrounding states, including 1,500 miles of international border. He leads 6,000 Coast Guard active duty, reserve, civilian and auxiliary men and women serving at 77 subordinate units and on the District staff. He most recently served as the Deputy Director of Operations for Headquarters United States Northern Command, where he was the principal advisor to the U.S. NORTHCOM Commander on all operational matters. Rear Admiral Parks is a 1982 graduate of the United States Coast Guard Academy where he received a Bachelor of Science degree in Government. In 1994 Rear Admiral Parks attended George Washington University, where he earned a Master of Public Administration degree. In 2004 Rear Admiral Parks was selected and attended the National War College in Washington, D.C., where he received a Master of Science in National Security Strategy and Policy.

# **CZ11 Great Lakes Opening Plenary**

## **“Winds of Change: Charting the Future of Our Oceans and Great Lakes”**

**Monday, July 18, 9:35-10:45 am  
Regency**

Join Coastal Zone 2011 hosts and moderator Mr. John Podesta for a candid roundtable discussion where senior representatives of the Department of Interior (DOI), the U.S. Army Corps of Engineers (USACE), the Environmental Protection Agency (EPA), The Nature Conservancy, and the National Oceanographic and Atmospheric Administration (NOAA) will focus on key challenges and new approaches in coastal, ocean, and Great Lakes management.

You will hear from the leaders of some of the organizations that are working towards implementing the National Policy for the stewardship of our ocean, coasts, and Great Lakes. Continuing our nation's tradition of championing healthy, vibrant and sustainable marine and coastal ecosystems and communities, this discussion will focus not only on the perspectives of individual agencies and organizations, but continue to explore how we can leverage the strengths of our efforts as a whole to address the many issues that are influencing change in our coastal, marine, estuarine, and Great Lakes communities. Problems such as the impacts of increasing coastal development and urbanization, conflicting uses of ocean, coastal and Great Lakes resources, altered watersheds and habitat loss, declining biodiversity, and new threats such as those related to global climate change are some of the central challenges that face our Nation, and the world.

As we look towards a bright and sustainable future, Winds of Change: Charting the Future of Our Oceans and Great Lakes will provide new insights to our audience, a broad range of coastal professionals, scientists, managers, policy makers, students, and tribal representatives who are such a vital part of this collective effort.

Conference attendees will have the opportunity to ask questions if time allows.

### **Moderator: Mr. John Podesta, President and CEO, Center for American Progress**



Mr. John Podesta is the President and CEO of the Center for American Progress. Under his leadership, the Center has become a notable leader in the development of and advocacy for progressive policy. Prior to founding the Center in 2003, Podesta served as White House Chief of Staff to President William J. Clinton. Most recently, Podesta served as co-chair of President Obama's transition team. Additionally, Podesta has held numerous positions on Capitol Hill. Podesta is a graduate of Knox College and the Georgetown University Law Center, where he is currently a visiting professor of law. He also authored *The Power of Progress: How America's Progressives Can (Once Again) Save Our Economy, Our Climate and Our Country*.

### **Panelists:**

#### **Mr. Cameron Davis - Senior Advisor to the Administrator for the Great Lakes, EPA**



Mr. Cameron Davis provides counsel to Administrator Lisa Jackson on the Obama Administration's Great Lakes Restoration Initiative involving the coordination of Great Lakes policy and funding initiatives. For more than two decades he has worked to develop and implement water quality and quantity policy. Starting as a volunteer, he served as a litigating attorney and law teacher at the University of Michigan Law School before serving as president and CEO of the Alliance for the Great Lakes. He is the author of *Confluence* (BookSurge 2009), the first of a new genre, the "genoir."

### **Ms. Laura Davis, Chief of Staff, US Department of the Interior**



Ms. Laura Daniel Davis serves as Chief of Staff to Secretary of the Interior Ken Salazar. She works directly with the Secretary to oversee the Department's policy and management priorities. Davis is also the Departmental lead on several multi-agency and cross-cutting issues including ocean policy and restoration of the Klamath River Basin. Davis joined the Department on January 21, 2009 and served as Associate Deputy Secretary and Deputy Chief of Staff. Prior to joining the Obama Administration, Davis served as Deputy Chief of Staff to U.S. Representative Mark Udall, coordinating legislative and policy issues and provided strategic guidance on issues including energy and climate change, western lands protection and development. Davis has extensive experience on environmental, land use and natural resource issues and in federal, state, and local government relations.

### **Dr. Lynne Zeitlin Hale, Director of Global Marine Programs, The Nature Conservancy**



Dr. Lynne Zeitlin Hale joined The Nature Conservancy as the Director of the Global Marine Initiative in 2003 where she has led efforts to substantially expand the Conservancy's programs and impact on coastal and marine conservation. Previously, she was the Associate Director of the University of Rhode Island Coastal Resources Center for nearly two decades, playing a leadership role in integrated coastal management programs around the world as well as globally oriented outreach and training programs. She has also worked on coastal and marine-resource issues that impact native Alaskan communities for the Alaska Native Foundation. Ms. Hale has written many publications about coastal management and marine conservation and has a masters degree in biological oceanography from the University of Rhode Island Graduate School of Oceanography.

### **Dr. Jane Lubchenco, Under Secretary for Oceans and Atmosphere of the Department of Commerce and NOAA Administrator**



Dr. Jane Lubchenco, a marine ecologist and environmental scientist, is the ninth and first woman Administrator of NOAA. Her scientific expertise includes oceans, climate change, and interactions between the environment and human well-being. Raised in Denver, she received a B.A. degree in biology from Colorado College, a M.S. in zoology from the University of Washington, and a Ph.D. in ecology from Harvard University. While teaching at Harvard (1975-1977) and Oregon State University (1977-2009), she was actively engaged in discovery, synthesis, communication, and application of scientific knowledge. She has studied marine ecosystems around the world and championed the importance of science and its relevance to policy making and human well-being. A former president of the American Association for the Advancement of Science (AAAS), the International Council for Science and the Ecological Society of America, she served ten years on the National

Science Board (Board of Directors for the National Science Foundation). Dr. Lubchenco has provided scientific input to multiple U.S. Administrations and Congress on climate, fisheries, marine ecosystems, and biodiversity and served on the first National Academy of Sciences study on 'Policy Implications of Global Warming', providing advice to the George H. W. Bush administration, Congress, President Clinton, and Vice President Gore.

### **Mr. Terrence "Rock" Salt, Principal Deputy Assistant for the Army Corps of Engineers Civil Works Directorate**



Mr. Terrence "Rock" Salt assumed duties as the Principal Deputy Assistant Secretary of the Army (Civil Works) on March 12th, 2009. He is the principal policy and legislative advisor to the Assistant Secretary of the Army (Civil Works) and assists the Assistant Secretary in providing policy and performance oversight for the Army Corps of Engineers Civil Works directorate. He also serves as the Deputy Assistant Secretary for Policy and Legislation. In both these capacities Mr. Salt provides direction for the Army Civil Works legislative program, the development and articulation of the Department of the Army's policies affecting Civil Works activities and is responsible for the coordination of the Army's policies and practices in support of the Clean Water Act, the Rivers and Harbors Act, and related regulatory programs.

# Monday Lunch

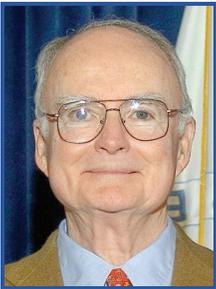
## Keeping an Eye on US Ocean Policy

Monday July 18, 2011 12-1:30 pm  
Regency Ballroom

The members of the Joint Ocean Commission Initiative (JOCI) have been working for more than ten years to identify the successes and challenges of governmental responses to the recommendations of the US Commission on Ocean Policy and the Pew Oceans Commission. The Initiative's latest report focuses special attention on the National Policy for the Stewardship of the Ocean, Our Coasts, and the Great Lakes, an action called for by both of these commissions and championed by the Joint Initiative. The Joint Initiative co-chairs, the Honorable William Ruckelshaus and the Honorable Norman Mineta will share the major findings of this report and offer recommendations to the Federal, State, and local government officials, policy experts, and ocean and coastal stakeholders in attendance. The JOCI members will present the Marc Hershman Excellence in Mentoring award.

### Speakers:

#### Honorable William Ruckelshaus



William D. Ruckelshaus is currently a Strategic Director in the Madrona Venture Group, and a principal in Madrona Investment Group, L.L.C. (MIG). He began a career in law in 1960 in Indianapolis. He was Deputy Attorney General of Indiana from 1960 through 1965 and a member of the Indiana House of Representatives and its majority leader from 1967 to 1969. The President appointed him for the years 1969 and 1970 as Assistant Attorney General in charge of the Civil Division for the U.S. Department of Justice. Mr. Ruckelshaus became the United States Environmental Protection Agency's first Administrator when the agency was formed in December 1970, where he served until April 1973. He was then appointed acting Director of the Federal Bureau of Investigation, and in the same year was appointed Deputy Attorney General of the United States Department of Justice. From July 1997 to July 1998, President Clinton appointed him as the U.S. envoy in the implementing of the Pacific Salmon Treaty. In 1999 he was appointed by Governor Gary Locke as the Chairman of the Salmon Recovery Funding Board for the State of Washington and in May, 2007 appointed by Governor Christine Gregoire as Chairman of the Leadership Council of the Puget Sound Partnership. On June, 2001, he was appointed by President Bush as a member of the Commission on Ocean Policy which was created by Congress in 2000.

#### Honorable Norman Mineta



Secretary Norman Y. Mineta is Vice Chairman of Hill & Knowlton, a global full-service public relations and public affairs consultancy. Mineta's career in politics began in 1967 in the San Jose City Council. In 1971, he was elected mayor of San Jose becoming the first Asian American mayor of a major United States city. As a member of Congress from 1975 through 1995, Mineta co-founded the Congressional Asian Pacific American Caucus and engineered the passage of H.R. 442, the Civil Liberties Act of 1988 - an official government apology for the internment of those of Japanese ancestry during World War II. In 2000, President Bill Clinton appointed Mineta Secretary of Commerce, making him the first Asian Pacific American to hold a cabinet post. In 2001, President George W. Bush appointed him Secretary of Transportation, making him the only Democrat in Bush's Cabinet and one of the few citizens ever to serve in the Cabinet of both a Democratic and Republican president. Mineta retired from his Cabinet post in 2006, and in that same year was awarded the Presidential Medal of Freedom, the nation's highest civilian award.

# Marc J. Hershman Excellence in Mentoring Award

In memory of Marc Hershman, the Joint Ocean Commission Initiative will present the 2nd Marc J. Hershman Excellence in Mentoring Award at Coastal Zone 2011. Professor Hershman taught at the University of Washington School of Marine Affairs and School of Law and was a respected leader in the ocean and coastal community, including serving as a member of the U.S. Commission on Ocean Policy and the Joint Ocean Commission Initiative. Professor Hershman's devotion to inspiring young people stands out as his legacy. His dedication and enthusiasm for mentoring students, as well as his continued nurturing of their professional development, helped to cultivate the next generation of ocean and coastal managers and scientists.

## Past recipients of this prestigious award include:

Dr. Steven Gaines, University of California at Santa Barbara (2009)  
Dr. Steven Cadrin, University of Massachusetts, Dartmouth (2009)

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## National Ocean Policy Focus Session

Tuesday, July 19, 10-11:30 am  
Regency A, B

### Help Us Paint a Picture: Illustrating the National Ocean Policy Vision

Celebrate the National Ocean Policy's first birthday! Help paint a picture of what the National Ocean Policy vision means to you. In this session we will explore what the National Ocean Policy is, and how the priority objectives and their implementation involve you in achieving the vision:

An America whose stewardship ensures that the ocean, our coasts, and the Great Lakes are healthy and resilient, safe and productive, and understood and treasured so as to promote the well being, prosperity, and security of present and future generations.

The Ocean Doctor, Dr. David E. Guggenheim, will engage you and invited representatives from local, state, regional, and national perspectives into a lively interactive dialogue. Our guests bring a range of perspectives diverse in scale and scope that span the Nation. From the crashing waves and majestic redwoods of the Pacific coast to the sunny sea grass beds of Tampa Bay, from the rocky shores of Maine to the vast Mississippi River Basin, our guests have worked with local communities to bring fishermen and offshore energy developers into a marine planning process; introduced nutrient management strategies to restore and protect Florida's largest open water estuary; managed water resources and civil works in the third largest river basin in the world, and worked with rural communities and tribes to advance local sustainable transportation, climate, aquaculture and health policies. Add your voice to theirs; come share your perspectives and insights! This exchange will be facilitated and captured by a visual recorder who will literally illustrate our thoughts and collective vision. Together we'll create a lasting image, for the conference to share, as we describe our goals for the future of our oceans, coasts, and Great Lakes.

The session and exchange will be moderated by Dr. David E. Guggenheim and visually recorded by Claire Bronson.

### Introductions:

#### Ms. Laura Davis, Chief of Staff, US Department of the Interior



Ms. Laura Daniel Davis serves as Chief of Staff to Secretary of the Interior Ken Salazar. She works directly with the Secretary to oversee the Department's policy and management priorities. Davis is also the Departmental lead on several multi-agency and cross-cutting issues including ocean policy and restoration of the Klamath River Basin. Davis joined the Department on January 21, 2009 and served as Associate Deputy Secretary and Deputy Chief of Staff. Prior to joining the Obama Administration, Davis served as Deputy Chief of Staff to U.S. Representative Mark Udall, coordinating legislative and policy issues and provided strategic guidance on issues including energy and climate change, western lands protection and development. Davis has extensive experience on environmental, land use and natural resource issues and in federal, state, and local government relations.

## **Ms. Sally Yozell, Director of Policy, NOAA**



Ms. Yozell is NOAA's Director of Policy and Senior Advisor to the Under Secretary of Commerce for Oceans and Atmosphere. She oversees a team who develops and evaluates policies, strategies, budgets and long-range plans for the Administration's initiatives and programs. Since joining NOAA in March 2010, she has been leading policy efforts on Administration priorities such as National Ocean Policy, Coastal and Marine spatial Planning, Gulf Coast Restoration, climate change adaptation and the Chesapeake Bay Clean-up. Sally was Director of Marine Conservation at The Nature Conservancy in the Eastern United States where she oversaw the development of an integrated, science-based marine ecological assessment of the northwest Atlantic Ocean. She served as a member of the Stellwagen Bank National Marine Sanctuary Advisory Committee, as Vice President for Program Development and Management at the Battelle Memorial Institute, and served as the Deputy Assistant Secretary for Oceans and Atmosphere at NOAA. Sally was the

Executive Director of the 1998 National Ocean Conference, which inspired the creation of two national ocean commissions and to the recent National Ocean Policy.

## **Moderator: Dr. David Guggenheim - The Ocean Doctor**



Dr. David E. Guggenheim is a Senior Fellow at the Ocean Foundation in Washington, DC and host of "The Ocean Doctor" radio show on [webtalkradio.net](http://webtalkradio.net). Dr. Guggenheim's work includes conducting and disseminating leading-edge research, informing strong conservation policies, building strong international partnerships for marine research and conservation, advancing sustainable aquaculture, reducing pressure on wild fish stocks and providing sustainable alternatives that support local communities. An important part of his work is in educating, inspiring, and involving the public through strong outreach, education, radio and TV presence, visual media and leading-edge Web and social media technologies. All efforts aim to improve the quality, breadth and impact of environmental education. You can subscribe to and hear archived radio programs at : <http://oceandocor.org/the-ocean-doctor-on-webtalkradio-net/>

## **Panelists:**

### **Mr. Onno Husing – Director, Oregon Coastal Zone Management Association, Pacific NW**



Mr. Onno Husing is the Director of the Oregon Coastal Zone Management Association (OCZMA). OCZMA is an extension of local governments on the Oregon Coast. Husing played a pivotal role spearheading coastal marine spatial planning (CMSP) in Oregon. Oregon's CMSP is scheduled for completion during the spring of 2012. Husing serves on Oregon's Ocean Policy Advisory Council (OPAC) and was a boardmember on the Oregon Wave Energy Trust (OWET). Husing graduated from the University of Oregon's School of law in 1988. He also holds master degrees in City & Regional Planning and Anthropology. Husing began his career in 1976 as a researcher & commercial fishermen in Cape Cod. He wrote a masters thesis on the birth of the New England Fishery Management Council. During 1980 Husing worked as a researcher at the Woods Hole Oceanographic Institution (WHOI). In 1981/82 Husing was a Knauss Fellow on Capitol Hill (focused on offshore oil & gas development and the UN Law of the Sea Conference).

### **Mr. Steve Crawford\* - Environmental Director, Passamaquoddy Tribe of Pleasant Point, ME**



Mr. Steve Crawford, M. Sc Zoology, M. Sc. Psychology, has served as the Passamaquoddy Tribe's Environmental Director since 2003. He is knowledgeable about methyl mercury contamination in freshwater and marine fish, impacts of acid rain on Northeastern Tribal waters, and water sampling for phytoplankton and zooplankton. He is very active in Climate change issues pertaining to Tribal environments and community health. He has surveyed and monitored marine invasive species in the Gulf of Maine since 1995. Since 2003, he has monitored water quality (including chlorophyll a, temperature, pH, and dissolved oxygen) in Passamaquoddy Bay, the Western Passage of the Bay of Fundy, and Cobscook Bay to determine their impacts on salmon culture. He previously designed, built and operated the largest catfish producing farm in Oklahoma, and was the first to commercially culture the Japanese seaweed "nori" in the Western North Atlantic.

### **Ms. Holly Greening – Director, Tampa Bay Estuary Program, FL**



Ms. Holly Greening earned a MS from Florida State University following extensive estuarine food web studies. Her professional career has focused on managing watershed and estuarine projects. As Executive Director, Holly is responsible for maintaining the strong partnerships forged through the Tampa Bay Estuary Program (TBEP), continuing the bay's science-based restoration and recovery strategies. Holly has served on the Estuarine Research Federation Governing Board, the National Academy of Sciences Ocean Studies Board and three NRC Committees. She is currently serving on the Florida Oceans and Coastal Council, as Associate Editor for Estuaries and Coasts, on a NRC Committee evaluating Chesapeake Bay's nutrient management strategy, and as Chair of the Association of National Estuary Programs.

### **Major General Michael J. Walsh –Commander, USACE, Mississippi Valley Division**



Major General Michael Walsh assumed command of the Mississippi Valley Division (MVD), Vicksburg, Mississippi, February 20, 2008. He also serves as President-designee of the Mississippi River Commission (MRC). General Walsh came to MVD from Baghdad, Iraq, where he was the Commander of the Corps Gulf Region Division.

As MVD Commander, Walsh is responsible for a \$7.5 billion civil works program. In addition, he plays a vital role in managing the Corps water resources program in the Mississippi River Valley. He also serves as Commander of Task Force (TF) Hope. TF Hope is the designation given to the Corps effort in support of the Federal Emergency Management Agency's national response plan to Hurricane Katrina. Engaging more than 3,800 personnel at its peak, TF Hope was among the largest disaster recovery operations in the history of the Corps of Engineers.

Major Gen. Walsh graduated from Polytechnic Institute of New York in 1977 with a bachelor's degree in civil engineering. He also earned a master's degree in construction management from the University of Florida. His military education includes the Engineer Officers Basic and Advanced Courses, U.S. Army Command and General Staff College, and the U.S. Army War College. He was born in Brooklyn, New York and is married with two children.

### **Ms. Jacque Hostler\* – Chief Executive Officer and Director of the Transportation and Land-Use Department, Cher-Ae Heights Indian Community of the Trinidad Rancheria, California**



Ms. Jacque Hostler is the Chief Executive Officer of the Cher-Ae Heights Indian Community of the Trinidad Rancheria and is honored to have been appointed as one of the Tribal Officials to the National Ocean Council Governance Coordinating Committee. Jacque's collaborative and leadership skills as well as her knowledge of the marine environment and tribal marine resources enable her to represent Tribal Nations in the West Coast Region and across the Nation. Before Ms. Hostler came to the Trinidad Rancheria, she was the Transportation Director for the Hoopa Valley Tribe. Both of her children are Hoopa Tribal Members, so she understands the Tribal perspective on natural and marine resources and advocates for Native environmental stewardship and knowledge. Currently, Ms. Hostler is the Project Manager for the Trinidad Pier Reconstruction Project, is managing the Tribe's Harbor Planning Study and participates on the Bureau of Land Management's Gateway Committee

for the California Coastal Rocks Monuments. Jacque was an active participant in the North Coast Marine Life Protection Act (MLPA) and has been a catalyst for community collaboration. Jacque recognizes that Tribal Indigenous People not only rely on the marine environment for cultural, ceremonial and subsistence resources, but are an integral part of the marine ecosystem that must be recognized in management of the ocean, coastlines, and Great Lakes.

### **Visual Recorder: Ms. Claire Bronson, C2B-Design**



Ms. Claire Bronson, of C2B Design, is a visual thinker who combines her background in conservation, sustainability, art and design to facilitate learning and connecting ideas. She works in a variety of media, both analog and digital, to work with groups and help them "see what they mean". She holds a BS in Natural Resources and an MA in Organizational Development. <http://www.c2bdesign.com/>

\* Member of National Ocean Council's Governance Coordinating Committee, a group made up of 18 members from states, Federally-recognized tribes, and local governments.

# Making Gulf Prosperity Gumbo

## Combine equal parts heritage, culture, healthy ecosystems, green jobs, and a diverse economy, season well, and serve.

Tuesday, July 19, 10-11:30 am  
Regency C, D

Come explore the importance of mixing together a well-done restoration of the Gulf ecosystem and a sizzling and diversified economy to produce a satisfyingly sustainable future for the Gulf of Mexico post- Deepwater Horizon. Gulf-based representatives – aka “chefs” from different sectors - natural resource conservation, commercial /recreational fishing, tourism/outdoor recreation, oil and gas, and community development – will weigh in with their perspectives on the most important ingredients for success and answer how to create a sustainable Gulf ecosystem and economy while preserving the rich heritage and culture of the region. Join us for a lively discussion about the ingredients with a group of guest “chefs” as we consider the best way to make “Gulf Prosperity Gumbo”. This promises to be a lively dialogue - meaty and provocative, and where it might get a little hot in the kitchen. This session is guaranteed to leave attendees feeling pleasingly full yet with a craving for more information.

### Moderator and Guest “Chefs”:

#### Ms. Jeanne Nathan, President Creative Industries (Moderator)



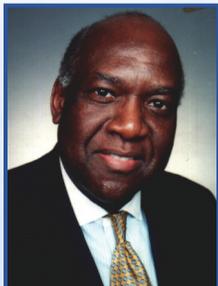
Creative Industries President Jeanne Nathan has provided community outreach and media relations services for numerous initiatives that have grown to become leading factors in the city’s rebuilding. She helped form, build and grow the Neighborhood Partnership Network, the city’s leading convener of neighborhood organizations engaged in rebuilding efforts and capacity building for neighborhood leaders. She rebuilt a shattered Treme, 6th and 7th ward based neighborhood organization, the Downtown Neighborhoods Improvement Association which she had founded prior to the storm.

#### Mr. Patrick Barnes, President of Barnes, Ferland & Associates



Mr. Barnes is President of Barnes, Ferland & Associates, an environmental engineering and hydrogeological consulting firm and Founder of Limitless Vistas, Inc., an organization dedicated to helping disadvantaged young people gain training and job skills in coastal restoration and other green careers, to represent the green jobs sector.

#### Dr. John Kelly, Chief Administrative Officer for the City of Gulfport, Mississippi



Dr. John R. Kelly is a native of Utica, Mississippi and has lived on the coast of Mississippi for the past 37 years. For the past five years he has served as Chief Administrative Officer (CAO) of Mississippi’s second largest city, Gulfport, Mississippi. Mayor Brent Warr made the appointment on February 1, 2006. As Chief Administrative Officer, Kelly is responsible for the day-to-day operation of the city, supervision of all department directors, strategic planning, and helping the mayor rebuild this hurricane ravished city. Kelly was reappointed by Mayor George Schloegel two years ago to continue serving in the same capacity.

### **Mr. Randall Luthi, President of the National Oceans Industries Association**



An attorney and rancher from Freedom, Wyoming, Mr. Luthi has had an exciting career holding various positions ranging from Wyoming Speaker of the House, to director of a Federal agency, to legislative assistant in the U.S. Senate, to an attorney at both the Department of the Interior (DOI) and the National Oceanic and Atmospheric Administration (NOAA), where he worked on natural resource damages following the Exxon Valdez accident.

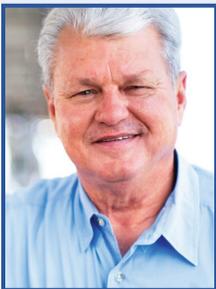
Luthi most recently served as the Director of the Minerals Management Service (MMS) at DOI from July 2007 through January 2009. There Luthi oversaw offshore lease sales and collection and distribution to the States and Federal government of mineral revenues and royalties. He also oversaw the expansion of a renewable energy office at MMS, which manages development of wind, wave, and current energy in the U.S. oceans.

### **Mr. Bob Marshall Times-Picayune's Pulitzer Prize Winning Journalist**



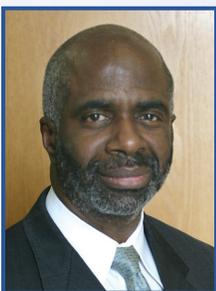
Mr. Bob Marshall is The Times-Picayune's Pulitzer Prize-winning journalist who has spent much of his career chronicling the people, stories, and issues of Louisiana's wetlands culture. Although best known as outdoors editor of the newspaper, Marshall's 35-year career includes extensive work as a reporter and columnist covering professional, college, and Olympics sports, feature writing, op-ed columns, and special projects specializing in environmental issues.

### **Mr. Harlon Pearce**



Mr. Pearce has been involved in the seafood industry for over forty years. After attending Southeastern Louisiana College and Loyola Law School, he returned to the industry that is his passion. Mr. Pearce has been an advocate of developing strong and viable industries that correctly utilize the abundant natural resources of the State of Louisiana and the Gulf of Mexico. His many years of experience in the seafood industry have lead to numerous interviews by publications and media as a "go to" source of information. Mr. Pearce has been guest speaker and lecturer to major colleges and business institutions across the state of Louisiana. He has served on many local, state and federal committees, advisory panels, boards and councils in a variety of capacities. He is also the managing member of Harlon's L A Fish LLC.

### **Dr. Larry Robinson, Assistant Secretary for Conservation and Management, and NOAA Deputy Administrator**



Dr. Larry Robinson was confirmed by the United States Senate in 2010. Prior to this appointment, he served as VP for Research at Florida A&M University (FAMU), FAMU Provost and VP for Academic Affairs; Interim Chief Executive Officer; director of Environmental Sciences Institute; Director of NOAA's Environmental Cooperative Science Center at FAMU; and research scientist and group leader at Oak Ridge National Laboratory. Robinson was the first African American to serve as Science Advisor to the US Department of Agriculture's Cooperative State Research, Education, and Extension Service. He served on the Oceans Research and Resources Advisory Panel and is a founding member of the National Science Foundation's National Ecological Observatory Network (NEON) Science Technology Education Advisory Committee.

### **Ms. Eileen Sobeck, Deputy Assistant Secretary for Fish and Wildlife, DOI**



Ms. Eileen Sobeck is a graduate from Stanford Law. Early in her career she worked as General Counsel for the National Oceanic and Atmospheric Administration. In 1984 she began her career at the Department of Justice Environment and Natural Resource Division as a trial Attorney. She then moved through the ranks to become the Assistant Chief and then Chief of the Wildlife and Marine resources section. In 1999 she became the Assistant Attorney General supervising Environmental Crimes and Wildlife and Marine Resources. She was awarded the prestigious Presidential Rank Award in 2003, and the Muskie-Chafee Award in 2010. Currently she serves as a Deputy Assistant Secretary for Fish and Wildlife in the Department of the Interior.

# Student, Stratton and Magoon Awards Lunch

Thursday, July 21, 2011 12-1:30 pm  
Crystal Ballroom

## Congressman Robert Dold, 10th District of Illinois



Congressman Robert Dold is a third-generation resident of the 10th District of Illinois. He has a BA from Denison University, a law degree from Indiana University, and an MBA from Northwestern University's Kellogg School of Management. In 2010, Bob was elected to the US House of Representatives, and assigned to serve on the Financial Services Committee. He served as an investigative counsel for the House Government Reform and Oversight Committee, where he worked on campaign finance reform. Bob is an active member of his local community and a Scoutmaster for Troop 13 Senior Scouts whose ideals - integrity, personal responsibility and community leadership - describe Bob's personal perspective and compelled him to run for public office. Today Bob lives on the North Shore, just a few blocks away from his childhood home, his church, and the public schools he attended. Bob and his wife of ten years, Danielle, are the proud parents of three children - Harper (8), Bobby (6) and Honor (3).

## Julius A. Stratton Award

The Julius A. Stratton Award is named for the eminent scientist and educator who chaired the blue ribbon national Commission on Marine Science, Engineering and Resources, which produced the 1969 report, "Our Nation and the Sea." This landmark report became the foundation for the Coastal Zone Management Act and many other important laws and programs for coastal and ocean conservation. The Stratton Award is intended to go to the person or group that has made the greatest difference in leading the cause for the coast, and who can best be labeled as the "Champion of the Coast."

### Past recipients of this prestigious award include:

William W. Walker, Ph.D. (2009)  
ADM Jams D. Watkins (2007)  
U.S. Commission on Ocean Policy (2005)  
The Honorable Leon E. Panetta, Chair, Pew Oceans Commission (2003)  
Senator Ernest Hollings (2001)  
Robert. W. Knecht (1999)  
Sylvia Earle (1997)  
Peter Douglas (1995)

## Magoon Award for Volunteer and Community Service

The Orville T. Magoon Award for Volunteer and Community Service is named after the coastal activist and founder of the Coastal Zone Conference Series in 1978. It is presented to the person who, through his or her volunteer efforts, has made the greatest contribution in fostering coastal community cooperation and communication.

### Past recipients of this prestigious award include:

Peter Slovinsky, Maine Geological Survey (2009)  
Dr. James Good, Oregon State University, Professor Emeritus (2007)  
Dr. John A. Lopez, Director of the Lake Ponchatrain Basin Foundation (2005)  
L. Clifford Schroeder, founder of Virginia Oyster Reef Heritage Foundation (2003)

## Student Awards for Best Presentation and Best Poster Session

The Coastal Zone 2011 Conference recognizes exemplary student papers and poster sessions to encourage student involvement in the issues facing our world's oceans, coasts and Great Lakes, and encourage discovery of new strategies, solutions, and tools to plan for the future. Three awards (first, second, third) will be given in two categories: graduate student oral presentation and graduate student poster presentation. Awards recognize students for their own work and reflect excellence in research, clarity in presentation, and personal knowledge.

# Special Student Program

## Attention all students!

For over 33 years the Coastal Zone Conference has been the largest international gathering of ocean and coastal management professionals in the world. This year CZ11 plans to conduct a robust student program. The program is designed with student needs in mind with presentations and activities specifically for students.

The program consists of:

- Presentation (oral and poster) competition with six awards presented at the Awards Lunch, Thursday, July 21, 2011, 12-1:30 PM
- Special panel session (Navigating Your Early Career, Monday July, 18, 2011, 11:00-12:00)
- Café Conversation (Finding the Perfect Job, Tuesday, July, 19, 2011, 2:45-4:00 PM)
- Professional Networking with student lunch on Wednesday, July 20, 2011, 11:45-1 PM

Students will also receive a special package of materials. These packages will be available at the Student Table near the registration area. Please stop by and check-in.

**For more details and updated information, visit the Student Desk to check-in on Sunday or Monday.**

### **Note for all Speakers and Presenters:**

**No use personal laptops and thumbdrives in the presentation rooms.**

**All presentations MUST be submitted to the Speaker Ready Room no later than 5:00pm the day before your presentation.**

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## **Closing Plenary: Innovation and Adaptation to a Changing Coastal Climate**

**Thursday, July 21, 1:30-2:45 pm  
Crystal Ballroom**

Climate change is real; it impacts all of us and the special places that we care about. However, there are actions that we can take to adapt to a changing climate - concrete actions that can lead to a future of vibrant and resilient coastal communities and healthy and productive ecosystems.

Global climate change and its associated impacts pose serious threats to our marine, coastal, and Great Lakes ecosystems and communities. Warming ocean temperatures have a profound impact on the distribution of rainfall over land, the melting of ice sheets, and the distribution and productivity of species. Sea-level rise, increased severe storm events, rapid erosion, and salt water intrusion threaten low-lying coastal communities with the destruction of infrastructure, flood inundation, the potential displacement of millions of people, and the loss of key species and habitats. At the same time, climate change is predicted to lower the water levels of the Great Lakes, thereby altering water cycles and supply, habitat, and economic uses of the Great Lakes.

This session will be a round table discussion, with national, regional, and local climate adaptation experts discussing their experiences and on the ground examples of adaptation strategies and actions that address these impacts and substantially contribute to our ability to adapt to a changing environment, while still fostering ecological and economic resilience. Case studies from the Great Lakes and elsewhere will be used to prompt broader national, regional, and local discussions and highlight substantial efforts already underway. Media/video excerpts will be used (e.g., projected for audience viewing purposes) throughout the session to prompt group discussion on a variety of adaptation related topics.

Join these respected climate adaptation experts and your Coastal Zone 11 colleagues for our final plenary session as we end our conference by moving forward on Innovation and Adaptation to a Changing Coastal Climate.

**Moderator: Dr. Margaret Davidson; with opening remarks provided by**

**Ms. Eileen Shea**

## **Round Table Participants:**

**Ms. Joyce Coffee, Vice President, Corporate Social Responsibility & Sustainability, Edelman**



Prior to joining Edelman, Ms. Coffee led implementation of the Chicago Climate Action Plan for the City of Chicago, driving efforts to decrease citywide greenhouse gas emissions 25% below 1990 levels by 2020. Working to make Chicago the greenest city in the world, Ms. Coffee emphasized environmental best practice, risk management, performance measurement, and strategy implementation. Ms. Coffee's past initiatives include developing the City's water conservation, water quality, and green infrastructure programs and initiating and leading the Chicago Conservation Corps, training hundreds of Chicagoans to be environmental change-makers in their communities. In Chicago, she has also worked for Farr Associates Architecture and Urban Design and Montgomery Watson Harza. Ms. Coffee received her Masters Degree in Urban Planning from Massachusetts Institute of Technology where she focused on innovations in municipal service delivery. She holds undergraduate degrees in Biology, Environmental Studies and Asian Studies from Tufts University.

**Dr. Margaret Davidson, Director, Coastal Services Center, NOAA (Moderator)**



Before joining NOAA, Dr. Margaret A. Davidson was executive director of the South Carolina Sea Grant Consortium from 1983 to 1995. She also served as special counsel and assistant attorney general for the Louisiana Department of Justice. An active participant in coastal resource management issues since 1978, Dr. Davidson earned her juris doctorate (J.D. degree) in natural resources law from Louisiana State University. She later earned a master's degree in marine policy and resource economics from the University of Rhode Island. Dr. Davidson holds a faculty appointment at the University of Charleston and serves on the adjunct faculties of Clemson University and the University of South Carolina.

**Mr. Steve Goldbeck, Chief Deputy Director at the San Francisco Bay Conservation and Development Commission**



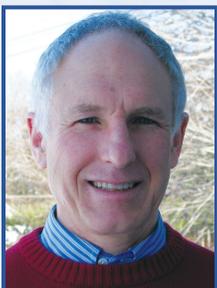
Steve oversees the Commission's staff under the Executive Director. He leads the staff's initiative to research and formulate policy to respond to climate change impacts on the San Francisco Bay and shoreline. Mr. Goldbeck also helped prepare the coastal sector of the California State Adaptation Strategy. He has been on Bay Conservation and Development Commission's (BCDC) staff since 1985 and has specialized in policy and management of technical planning issues, including water policy and regional sediment management. He has also served as BCDC legislative director for over a decade.

**Dr. Rachel Gregg, Scientist, EcoAdapt**



Rachel is an environmental specialist with experience in the application of natural and social science, policy, and outreach. She has a background in marine biology and ecology, oceanography, and natural, marine, and coastal resources law, policy, and management. Her education and work experiences have been primarily focused on marine and coastal resources management strategies for natural and human influences, including water quality degradation, coastal hazards, and climate change. Rachel manages the State of Adaptation program and serves as a Content Editor for CAKE; her responsibilities include finding and developing examples of climate change adaptation, building a network of individuals and organizations engaged or interested in adaptation, and assisting with outreach, marketing, and fundraising to support the development of EcoAdapt's core programs.

**Dr. Paul Kirshen, Principal Investigator/Project Manager, Battelle**



Dr. Kirshen has 30 years of experience in complex, interdisciplinary, participatory research related to infrastructure, water resources and coastal zone management, and climate variability and change. He joined Battelle in June 2009 as Research Leader with a focus on climate change impacts and adaptation planning. Here he carries out a research program on adaptation, and develops, manages, and does technical analysis in impact and adaptation projects. He is also an Adjunct Professor at Tufts University, where he was a Research Professor in Civil and Environmental Engineering previous to joining Battelle. He is also presently a lead author for the Fifth IPCC Assessment, Working Group 2, North America Chapter, is a member of International Council for Local Environmental Initiatives (ICLEI) USA- Local Governments for Sustainability's Climate Adaptation Steering Committee,

and a member of the Massachusetts Climate Change Adaptation Advisory Committee and its Coastal Zone and Ocean Subcommittee.

**Dr. Lynn Scarlett, Senior Visiting Scholar at Resources for the Future in Washington, DC**



Dr. Lynn Scarlett is an environmental analyst focusing on climate change adaptation, environmental risk management, green business and infrastructure, energy and water issues, landscape-scale conservation, and science and decision making. In 2009, she was a Distinguished Visiting Lecturer on climate change at the University of California Bren School of Environmental Science and Management. From 2005 - 2009 she was Deputy Secretary at the Department of the Interior where she chaired the Department's Climate Change Task Force. Previously, Lynn served four years as the Department's Assistant Secretary for Policy, Management and Budget.

Lynn is a former President of the Reason Foundation and Director for 15 years of the Reason Public Policy Institute, where she focused on environmental, land use and natural resources issues.

**Dr. Eileen Shea, Chief, Climate Services Division of the NOAA National Climatic Data Center (NCDC) (Moderator)**



Dr. Shea is Director of the NOAA Integrated Data and Environmental Applications Center (NOAA-IDEA). She is responsible for NCDC programs in data access; data integration and visualization; user engagement; education and outreach; and regional, national, and international climate service partnerships. She has written extensively about assessing the consequences of climate variability and change. Dr. Shea is a Fellow of the American Meteorological Society. She is Chair of the Steering Committee of the Pacific Climate Information System (PaCIS) – a prototype regional climate service - and is leading planning efforts related to regional service in the context of a NOAA Climate Service.

**Ms. Missy Stults, Acting Climate Programs Director for ICLEI**



As part of this role, Missy works with local governments throughout the country to help them identify strategies for reducing greenhouse gas emissions while also working to build local resilience to climate change and climate variability. In this capacity, Missy works with members of the Climate Team to build ICLEI's Climate Resilient Communities adaptation program and ICLEI's Communities for Climate Protection mitigation program - including the development of tools, resources, and support materials. Prior to this role, Missy served as the national Adaptation Manager for ICLEI USA - working to support local governments with preparing for climate change. Missy received her Masters degree in Climate and Society from Columbia University, and her undergraduate training in marine biology and environmental science.

# Hosts:



# Sponsors:

## Platinum:



## Gold:



## Silver:



## Bronze:



# Partners:

Coastal States Organization  
 The Coastal Society  
 Friends of the Chicago River  
 Restore America's Estuaries  
 Association of State Floodplain Managers ASFPM  
 Coastal America  
 Ohio Coastal Management Program  
 Wisconsin Coastal Management Program  
 Chicago Department of the Environment  
 University of Illinois Chicago  
 NOAA Great Lakes Environmental Research Lab  
 Government of Canada  
 Great Lakes Commission  
 Coastal America Foundation  
 U.S. Geological Survey  
 Mystic Aquarium a Division of Sea Research Foundation  
 US Coast Guard, 9th District

Center for Watershed Protection  
 Chicago Park District  
 Urban Coast Institute, Monmouth University  
 Environment Canada  
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 Michigan Office of the Great Lakes  
 Indiana Lake Michigan Coastal Program  
 Minnesota's Lake Superior Coastal Program  
 Sea Grant Minnesota  
 NOAA Sea Grant  
 NOAA Great Lakes Regional Collaboration  
 Joint Ocean Commission Initiative  
 NERRA Inc  
 Michigan Department of Environmental Quality  
 National Park Service  
 Corporate Wetlands Restoration Partnership

# Monday Morning - July 18

	7:00	8:00	9:00	10:00	11:00	12:00
Plaza A					The Rhode Island Ocean Special Area Management Plan	
Plaza B					Strategies for Public Engagement Part 1	
Truffles					Numerical Studies and Their Utilization Towards Better Ecological Management of Estuarine Resources	
Comiskey					Offshore Wind	
Gold Coast					Navigating Your Early Career - What Do Students Need To Know	
Acapulco					Tools for Interactive Communication, Mapping, and Web Resources	
Columbus G					Waterfront Development Designs and Plans	
Columbus H						
Columbus I					Conservation, Compatibility, and Challenges	
Columbus J						
Columbus K					Preparing Coastal Communities for Climate Change The Development of an Economic Assessment of the Cost of Climate Change	
Columbus L						
Regency Foyer	Registration/Coffee	Registration	Break	Registration		
Regency A		Great Lakes Plenary		Winds of Change: Charting the Future of Our Oceans and Great Lakes		Lunch: Keeping an Eye on U.S. Ocean Policy
Regency B						
Regency C						
Regency D						
Toronto					Building a New Era in Ocean Conservation & Management	

# Monday Afternoon - July 18

	1:00	2:00	3:00	4:00	5:00	6:00-8:00
Crystal Ballroom/ Foyer	Exhibit Move-in					Exhibit and Poster Reception
Plaza A		Mapping, Social Science Perceptions and a New Outlook		Communicating Coastal in 2011: Lessons Learned from Facebook, Twitter, Webex, PowerPoint, and Others		
Plaza B		Examining Ecosystem Management Through a National Grant Competition		MSP and Climate Change Adaptation for Sustainable Ecosystems and Land Use Development in New England and Canada		
Truffles		Spatial Modeling and Web Mapping: Save Money, Communicate Risk, and Make Decisions		Balancing Economy and Ecology of Marine Resources		
Comiskey		Socio-economic Tools and Management Applications for Coastal Management and Watershed Planning		(Café) Climate Adaptation Knowledge Exchange: Developing an Innovative Community of Practice		
Gold Coast		Invasive Species and Marshes		(Café) The ShoreZone Coastal Habitat Mapping System in Alaska: Methodology, Partnership, Inventory, Database, and Applications		
Acapulco		Emerging Regional Data Portals and Decision Tools in Support of Coastal and Marine Spatial Planning		(Café) Science Priorities for CMSP in the US: What Do We Most Need to Know about Ocean Places?		
Columbus G		CMSP Best Practices for Ocean Renewable Energy		Connecting Science, Policy, and People through Integrated Assessment		
Columbus H		Water Quality - Beach Monitoring Techniques		Cool Geodetic Resources for Your Project		
Columbus I		Aquatic Habitat Restoration		Assessing Restoration Outcomes		
Columbus J						
Columbus K		The Use of Estuarine and Coastal Studies as Aids to Design and Management		Regional Sediment Management		
Columbus L						
Regency Foyer	Registration		Break	Registration		
Regency A	Lunch: Keeping an Eye on U.S. Ocean Policy					
Regency B						
Regency C						
Regency D				Tools for CMSP and Coastal Management		
Toronto		Marine Debris Research and Technical Solutions		Local Government Approaches to Wetland Conservation in the Coastal Zone		

# Tuesday Morning - July 19

	7:00	8:00	9:00	10:00	11:00	12:00
Crystal Ballroom	Coffee	Exhibits	Break	Ehhibits	Exhibitor and Poster Session Lunch	
Plaza A		(Café) Strategies for Regional Ecosystem Protection and Restoration				
Plaza B		National Ocean Policy Implementation				
Truffles		(Café) Harnessing the Opportunities and Realizing the Benefits of Coastal and Marine Spatial Planning				
Comiskey		International Sediment Issues				
Gold Coast		Holding the High Ground				
Acapulco		Shifting Sands - A Broader Management Strategy				
Columbus G		You Say Potato...Thoughts on Coastal and Ocean Habitat Classification				
Columbus H						
Columbus I		Sea Level Rise Adaptation/ Communication				
Columbus J						
Columbus K		Regional Perspective to Asian Carp Control				
Columbus L						
Regency Foyer	Registration					
Regency A		Tools for CMSP: Land and Sea, Seaport, Climatic Risk Assessment		Focus Session: Illustrating the National Ocean Policy Vision		
Regency B		Collaboration Works! How Diverse Partners Successfully Impact Local Community Resilience Efforts: Lessons Learned from Place-based Programs at NOAA and EPA				
Regency C		Beach Contamination as it Relates to Recreation		Focus Session: Making Gulf Prosperity "Gumbo"		
Regency D		Habitat Modeling and Restoration				
Toronto		Ecosystem Management Case Studies				

# Tuesday Afternoon - July 19

	1:00	2:00	3:00	4:00	5:00	6:00-8:00
Crystal Ballroom	Exhibits	Break	Exhibits			
Plaza A	Getting the Biggest Return on Investment for Your Habitat Conservation Dollar		Coastal Zone Colonization on Artificial Structures and Natural Coastlines		Sustainable Funding Mechanisms	
Plaza B	The Marine Transportation System		(Café) Finding the Perfect Job		Strategies for Public Engagement Part II	
Truffles	Working Waterfronts		(Café) Planning for the Thinkable: Regenerated, Revitalized, Resilient Future		(Café) Leveraging Regional Approaches	
Comiskey	Managing Coral Reefs in a Changing Climate		The Power of Private/Public Partnerships to Achieve Coastal Restoration and Preservation Goals		Empowering Communities with Tourism, Recreation, and Coastal Education	
Gold Coast	(Café) Understanding the Arctic		(Café) Drawing Dialogues for Island Communities Adapting to Climate Variability and Change		(Café) Drawing Dialogues for Island Communities Adapting to Climate Variability and Change (continued)	
Acapulco	Sediment Observations in the US using LiDar		Ecoinformatics Approaches to Marine Ecosystem		Master Planning for Ecological Restoration	
Columbus G	Where the Rubber Hits the Road: Implementing Resilience Measures in Watershed Planning		Data Tools		Beneficial Use of Dredge Material	
Columbus H						
Columbus I	Marine Debris Planning and Protocols at the Global and State Level		Socio-economic Data for Managing the Oceans, Great Lakes, and Coasts		Understanding the Role and Value of Evaluation in Adaptive Coastal Management	
Columbus J						
Columbus K	Invasive Asian Carp - Risk Analysis, Prevention, Detection, and Control in the Great Lakes		Model Testbeds Defining the Goals		What's so Great About MPAs?	
Columbus L						
Regency Foyer	Registration					
Regency A	Helping Coastal Communities Adapt to Climate Change		Planning for Sea Level Rise		Flood Hazard Areas, Mapping, and Insurance Program	
Regency B	(Café) Integrating Public Participation in MPA Planning: Lessons from the MLPA Initiative		Coastal Community Resilience on the Upper Texas Coast		Data Management	
Regency C	Habitat Restoration in the Great Lakes-Successes and Lessons Learned		Balancing Growth and Low Impact Development with Resiliency		Coastal Hazards Associated With Storms	
Regency D	Planning for Limited Coastal Water Supplies		Planning or Permitting? The Effectiveness and Efficiency of Streamlining in Coastal Management		Recreational Boating and Boater Safety	
Toronto	US IOOS - New and Improved Tools for Coastal Managers		Using Traditional Ecological Knowledge in Coastal Resource Management		Training and Technical Assistance for Adaptation to Climate Change: Multiple Options and Lessons	
					Boat Tour Check-In	Boat Tour

# Wednesday Morning - July 20

	7:00		8:00		9:00		10:00		11:00		12:00
Crystal Ballroom							Coffee Break				
Plaza A				Integrated Coastal Zone Management Across the Globe				(Café) Getting the Biggest Return on Investment for Your Habitat Conservation Dollar			
Plaza B				Managing Coral Reefs from Ridge to Reef				(Café) ICZM in Cuba: A Look at National Policies, Practices and Case Studies on Implementation			
Skyway 260				Using Social Science Methods to Support Resilient Human and Ecological Coastal Communities				(Café) Managing Coastal Change in an Uncertain Future			
Buckingham				Shoreline Planning, Risk Management, and Readiness Measures				Using History and Science to Protect, Restore, and Sustain the Louisiana Gulf Coast			
Comiskey				CMSP for Ecological Restoration and Economic Recovery in the Gulf of Mexico				(Café) Planning for Sustainable Sediment Management in Coastal Watersheds			
Gold Coast				Navigating the Chesapeake Bay TMDL: Charting Maryland's Course for Success				Human Health and Environmental Indicators to Consider for MSP			
Water Tower				Sea Level Rise Mapping				Working Solutions to Protect Habitat of Recovering and Endangered Species			
Acapulco				Across the Lake, Across the Ocean: Global Perspectives in Oceans and Coastal Management				Lake Michigan Water Trail - Opportunities, Implementation, Success			
Regeny Foyer	Registration										
Regency A				Observations of Changing Shorelines and Beaches				Water Quality and Beach Monitoring - Nearshore Studies		Lunch on Your Own	
Regency B				Integrated Modeling of Great Lakes Ecosystems				Integrated Modeling of Great Lakes Ecosystems		Student Networking Lunch TBC	
Regency C				Creating Vibrant Coasts and Economies Using Decision Tools, MSP, and Communication				Sustainable Indigenous Coastal Communities			
Regency D				CMSP - 100 Years of Lessons Learned, Community Applications, and Bringing Communities to the NOP Table				Tools and Techniques to Identify and Assess Coastal Hazards, and Climate Change Impacts on Coastal Communities and Topography			
Toronto				The Role of Public-Private Partnerships in Advancing West Coast CMSP				Land Use and Development How They Impact Water Quality and Coastal Areas			
Stetson G				(Café) Conserving Coastal Habitats In a Changing Climate: Challenges and Opportunities for Effective Action Across Landscape and Local Levels				(Café) The Challenges and Benefits of the Use of Rolling Easements in Climate Change Adaptation			
Stetson F											

# Wednesday Afternoon - July 20

	1:00	2:00	3:00	4:00	5:00	7:00-10:30
Crystal Foyer		Coffee Break				
Plaza A	Staying Connected: Using Distributed Communities of Practice to Connect, Collaborate, and Educate		(Café) CMSP, IOOS, and Data: They Don't Have to be Four Letter Words		Observing, Modeling, and Monitoring on Small Islands	
Plaza B	Improving Coastal Management Outcomes		Building National Networks of Marine Protected Areas		Damage Assessment and Restoration Planning on the Kalamazoo River	
Skyway 260	Actions for a Resilient Chesapeake Ecosystem		(Café) Progress and Challenges of Designing and Executing Regional Coastal and Marine Spatial Planning		(Café) Regional Ocean Partnerships: Implementing and Evaluation Regional Collaboration	
Buckingham	Wetland Mitigation Policies and Practices Across the U.S. Coastal Zone		Legal Opinions related to Governance, Policy, and Regulations		Engaging the Community and Stakeholders	
Comiskey	Planning for Sustainability in Indigenous Native Communities		Developing New Tools for Community Engagement and Outreach through a National Grant Competition		Mid-Atlantic Sea Grant Perspectives on the National Ocean Policy:	
Gold Coast	CMSP - Recent Trends and Developments		Coasts, Construction, and Carbon Sinks		The Community Rating System in the Coastal Zone	
Water Tower	Aquariums and Federal Agencies Working Together to Improve Ocean Literacy and Advance Coastal Stewardship		USACE Flood Risk Management Program		Managing Coastal Flood Plains in the Twenty First Century	
Regency Foyer	Registration					
Acapulco	Enhancements to Coastal Zone Management Programs to Address Climate Change and Coastal Hazards				Watershed Approach to Mitigating Hypoxia in Coastal Waters	
Regency A	Finding Solutions to Evaluate and Manage Sediment, Nutrient, and Inflow of a Waterway		Ocean Social Science and Governance: A Federal Perspective		The Economic Value of Ecosystem Services	
Regency B	Integrated Modeling of Great Lakes Ecosystems		Integrated Modeling of Great Lakes Ecosystems		Integrated Modeling of Great Lakes Ecosystems	
Regency C	US IOOS: Tracking Water Quality		Means to Effectively Communicate and Coordinate, and Make Decisions			
Regency D	National Ocean and Coastal Mgmt Policies in Canada and the US		Achieving Sustainable Coastal Community Infrastructure in the Face of Climate Change		Estuarine Ecosystem Restoration in the Northeast United States	
Toronto	Building Adaptive Capacity of Coastal Communities through Risk Management		National Climate Assessment Listening Session for Coastal Managers		(Café) Zero to Sixty: Digital Coast Lightning Round	
Stetson F	(Café) NOAA Coastal Storms Program: Shaping the Programs Future in the Great Lakes		(Café) NOAA Coastal Storms Program: Shaping the Programs Future in the Great Lakes (continued)		Forecasting Scenarios for Coastal Management: Can We Focus the Crystal Ball?	
Stetson G						
						6:15 - Buses Depart West Tower 7 to 10 p.m - Shedd Aquarium Reception

# Thursday Morning - July 21

	8:00	9:00	10:00	11:00	12:00	1:00
Crystal Ballroom					Student, Stratton, and Magoon Awards Lunch	
Crystal Foyer	Registration and CZ Evaluations		Break	Registration and CZ Evaluations		
Plaza A		Contaminants and Areas of Concern in the Great Lakes		Assessing Coastal and Great Lakes Fish Habitats to Prioritize Regional Conservation Opportunities		
Plaza B		Café) What Can Data Do for You? An Assessment on Great Lakes Information Needs		From Computers to Coasts		
Buckingham		Multi-Objective Management of Coastal Structures at the Regional and Site Scale		Great Lakes Observing Part I		
Comiskey		Coastal America: Twenty Years of Building Partnerships and Creating Tools for Tomorrow		Climate Ready Great Lakes		
Gold Coast		Great Lakes Observing Systems and Geodetic Reference Systems, their Attributes and Applications		Dredged Material Management in the Great Lakes		
Water Tower		Coastal Hazards Associated with Currents		Ballast and Bilge Treatment		
Wrigley		Reinvesting in Our Harbors and Lakefront Development		Sediment and Contaminant Studies on Great Lakes Coasts and Tributaries: The Federal Focus on Nearshore Management		
Acapulco		Coastal and Waterfront Smartgrowth in the Great Lakes Region		Approaches to Shore Protection in the Great Lakes		
Toronto		Use of Science and Mapping for Decision Making		International Upper Great Lakes Study		
Stetson F		Assessing Restoration Outcomes in the Great Lakes		(Café) Implementing Biodiversity Conservation in the Great Lakes		
Stetson G						

# Thursday Afternoon - July 21

		2:00		3:00		4:00		5:00		6:00	
Crystal Foyer			Break								
Crystal Ballroom	Innovations and Adaptations to a Changing Coastal Climate										
Plaza A				Mapping the Great Lakes							
Plaza B				Water Quality and Beach Monitoring in Nearshore Areas							
Buckingham				Great Lakes Observing, Part II							
Comiskey				Coastal Habitat Restoration for the Benefit of Great Lakes Fisheries							
Gold Coast				Coastal Water Trails of the Great Lakes							
Water Tower				Tools, Technologies, and Studies to Identify and Address Stressors in the Great Lakes							
Wrigley				Offshore Wind in the Great Lakes: Issues and Opportunities							
Acapulco				Great Lakes Restoration and Regional Assessments							
Toronto				From Landscape to Local: Land Trusts as Partners in Conservation for Climate Adaptation							
Stetson F				Implementing the Great Lakes Compact							
Stetson G											

# Coastal Zone 2011 Chicago, Illinois

## Monday, July 18

7:00 - 8:00 am | **Regency Foyer**  
**Registration/Coffee**

8:00 - 5:00 pm | **Regency Foyer**  
**Registration**

8:00 - 9:15 am | **Regency A, B, C, D**  
**Great Lakes Plenary: Restoring the Sweetwater Seas**

9:15 - 9:35 am | **Regency Foyer**  
**Coffee Break**

9:35 - 10:45 am | **Regency A, B, C, D**  
**Winds of Change: Charting the Future of Our Oceans and Great Lakes**

11:00 am - 12:00 pm | **Plaza A**  
**The Rhode Island Ocean Special Area Management Plan: The Development and Implementation of Marine Spatial Planning in Rhode Island**

Moderator: Jennifer McCann, University of Rhode Island Coastal Resources Center/Rhode Island Sea Grant  
Grover Fugate, State of Rhode Island  
Jennifer McCann, URI Coastal Resources Center/RI Sea Grant  
Tiffany Smythe, University of Rhode Island Department of Marine Affairs

11:00 am - 12:00 pm | **Plaza B**  
**Strategies for Public Engagement Part 1**

Moderator: Kristan Uhlenbrock, U.S. Environmental Protection Agency  
Tory Gabriel, Ohio State University Extension - Ohio Sea Grant, *Engaging the Public with the Lake Erie Resource: Aquatic Visitors Center at Put-in-Bay, OH*  
Patrick Lawrence, University of Toledo, *Coastal Cleanup and the Ohio Coastal Weeks Efforts in the Maumee Area of Concern, Lake Erie*

11:00 am - 12:00 pm | **Truffles**  
**Numerical Studies and Their Utilization Towards Better Ecological Management of Estuarine Resources: What to Ask for in a Numerical Modeling Study?**

Moderator: Gaurav Savant, U.S. Army Corps of Engineers, Engineering and Research Development Center  
Andrew Jirik and Ying Poon, Port of Los Angeles, *Hydrodynamic and Water Quality Modeling Applications for TMDL and Dredge Projects in Los Angeles and Long Beach Harbors*  
Brent Lofgren, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, *Regional Dynamical Modeling of Climate Change and the Water Budget of the Great Lakes Basin*  
Jennifer Tate, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Understanding Numerical Models and their Use for Decision Making*

11:00 am - 12:00 pm | **Comiskey**

### **Offshore Wind**

Moderator: Niki Pace, University of Mississippi

Jaron Ming, Bureau of Ocean Energy Management, Regulation and Enforcement, *Regulatory Wrinkles in Renewable Renergy*

Kris Ohleth, Atlantic Wind Connection, *Coastal and Marine Spatial Planning: A Help or Hindrance for Offshore Wind?*

11:00 am - 12:00 pm | **Gold Coast**

### **Navigating Your Early Career - What Do Students Need To Know**

Moderator: Suzie Baker, National Oceanic and Atmospheric Administration

Aaron Barnett, University of Washington, *Is This the Right Career or Job for Me?*

Jeff Benoit, National Oceanic and Atmospheric Administration, National Marine Fisheries, *Landing that Perfect Position*

Chantell Haskins, National Oceanic and Atmospheric Administration, Office of Education, *NOAA Student Opportunities*

Roberta Miller, U.S. Environmental Protection Agency, Student Career Experience Program Coordinator, *Internships, Fellowships and Other Student Programs at U.S. EPA*

11:00 am - 12:00 pm | **Acapulco**

### **Tools for Interactive Communication, Mapping, and Web Resources**

Moderator: Valarie Grussing, National Marine Protected Areas Center

Chris Cortina, MD Department of Natural Resources, *Maryland's Coastal Atlas: Informing Coastal Planning and Decision-Making*

Chelsie Papiez, MD Department of Natural Resources, *Coastal Land Conservation in Maryland: Targeting Tools & Techniques for Sea Level Rise Adaptation & Response*

Lauren Wenzel, National Oceanic and Atmospheric Administration, *Mapping Human Uses of the Ocean: Informing Coastal and Marine Spatial Planning Through Participatory GIS*

11:00 am - 12:00 pm | **Columbus G & H**

### **Waterfront Development Designs and Plans**

Moderator: Kenneth Walker, National Oceanic and Atmospheric Administration

Joy Malnar, University of Illinois at Urbana-Champaign, *Chicago Lakefront Design and Revitalization at its Borders*

Mark O'Leary, JJR, LLC, *Northerly Island – A Framework Plan for a World Class Eco-Park*

Erma Tranter, Friends of the Park, Michael Elsen, BauerLatoza Studio *Creating Habitat and The Last Four Miles, a Plan to Complete the Public Lakefront Parks of Chicago*

11:00 am - 12:00 pm | **Columbus I & J**

### **Conservation, Compatibility, and Challenges**

Moderator: Tracy Rouleau, National Oceanic and Atmospheric Administration

Genevieve Brighouse, National Oceanic and Atmospheric Administration, *National Marine Sanctuary Management Plan Review - New Developments, Challenges and the Creation of a Cornerstone Program for the Pacific in American Samoa*

Amy Holman, National Oceanic and Atmospheric Administration, *Integrating Landscape Conservation Cooperatives with Alaska's Coastal Zone Program*

Kristin Uiterwyk, Urban Harbors Institute, University of Massachusetts Boston, *Understanding the Compatibilities and Conflicts of Ocean Uses*

11:00 am - 12:00 pm | **Columbus K & L**

### **Preparing Coastal Communities for Climate Change: The Development of an Economic Assessment of the Cost of Climate Change**

Moderator: Marvourneen Dolor, Department of Transportation

Dale Bergeron, MN Sea Grant

Paul Bijhouwer, U.S. Army Corps of Engineers, Buffalo District

Gene Clark, WI Sea Grant

Andy McDonald, Minnesota Arrowhead Regional Development Commission, Metropolitan Interstate Council

11:00 am - 12:00 pm | **Toronto**

### **Building a New Era in Ocean Conservation & Management - Ocean Frontiers Documentary**

Moderator: Karen Anspacher-Meyer, Green Fire Productions

12:00 - 1:30 pm | **Regency A, B, C, & D**

### **Lunch: Keeping an Eye on U.S. Ocean Policy**

1:30 - 3:00 pm | **Plaza A**

### **Examining Social Science Perceptions and a New Outlook**

Moderator: Susan Durden, U.S. Army Corps of Engineers

Dorina Frizzera, State of NJ Department of Environmental Protection, *Getting to Resilience*

Cliff McCreedy, National Park Service, *Social Science in MPA Decisions: Perception is Reality*

Arleen O'Donnell, ERG, *Summary and Review of Human Use Mapping Methods in the Coastal and Marine Zone*

Shona Paterson, Institute for Coastal Science and Policy, East Carolina University, *The Role of Social Resilience in Marine Protected Area Establishment*

1:30 - 3:00 pm | **Plaza B**

### **Mapping Ecosystem Management Through a National Grant Competition**

Moderator: Stephanie Showalter-Ott, University of Mississippi

John Duff, University of Massachusetts, *Ecosystemic Legal Regime Development in the Gulf of Maine - Efforts and Impediments*

Steven Gaines, Bren School of Environmental Science and Management, University of California, Santa Barbara, *Territorial Use Rights in Fisheries and Marine Spatial Planning in the US*

Troy Hartley, VA Sea Grant, *The Regulatory Governance Network of Ecosystem-based Fisheries Management in the Chesapeake Bay*

Lisa Schiavinato, North Carolina Sea Grant College Program, *Strategies for Managing North Carolina's Estuarine Shoreline*

1:30 - 3:00 pm | **Truffles**

### **Spatial Modeling and Web Mapping: Save Money, Communicate Risk, and Make Decisions**

Moderator: Nicole Kurkowski, National Oceanic and Atmospheric Administration

Martin Durkin, U.S. Army Corps of Engineers, Jacksonville District, *Determining Without Project Conditions and Planning Considerations in Flagler County, FL using Beach-fx.*

Aaron Lawrence, Woolpert/Lockhart, *The Forefront of Data Production: Saving Time & Money through Automation*

Robert Thompson, University of Rhode Island, *Making Communities More Resilient to Coastal Hazards More Quickly: Spatial Modeling, Legal Issues, and Model Ordinances*

Adam Whelchel, The Nature Conservancy, *Coastal Resilience: Decision Support and Local Solutions to Ecosystem-based Coastal Adaptation*

1:30 - 3:00 pm | **Comiskey**

### **Socio-economic Tools and Management Applications for coastal management and watershed planning'**

Moderator: Heidi Nutters, Brown University Center for Environmental Studies

**Andy Coburn**, Western Carolina University, *Strategic Coastal Retreat: An Economically Viable Coastal Management Strategy in North Carolina*

**Adam Hosking**, Halcrow, *A Framework for Sustainable Coastal Management Planning*

**Andrew Lanier**, Oregon Coastal Management Program, *Oregon's Marine Spatial Planning Processes: Coordinated and Organized through the Oregon Ocean Information Website, a Resource for Planning in the Territorial Sea*

**Dana Okano**, National Oceanic and Atmospheric Administration, Office of Coastal Resources Management, *Applicability of the N-SPECT Watershed Model for Community Planning: A Case Study of Hilo Bay Watershed, Hawaii*

**Jay Udelhoven**, The Nature Conservancy, *Real World Applications of Payments for Ecosystem Services in the Marine Environment - Lessons Learned from Three Global Geographies*

1:30 - 3:00 pm | **Gold Coast**

### **Invasive Species and Marshes**

Moderator: TBD

**Laura Bourgeau-Chavez**, Michigan Tech Research Institute Michigan Technological University, *Monitoring Invasive Phragmites in the Coastal Great Lakes using ALOS PALSAR Radar Imagery*

**David Carter**, State of Delaware, Coastal Program, *Marsh Vulnerability Index: Assessing the Health of Delaware's *Spartina alterniflora* Marshes*

**Lawrence Handley**, United States Geological Survey, *Wetland Classification Image Gallery*

**Julie Hinderer**, Great Lakes Commission, *Building Capacity for the Management and Control of *Phragmites australis**

1:30 - 3:00 pm | **Acapulco**

### **Emerging Regional Data Portals and Decision Tools in Support of Coastal and Marine Spatial Planning**

Moderator: Heather Stirratt, National Oceanic and Atmospheric Administration, National Operational Hydrologic and Remote Sensing Center

**Jason Breck**, University of Michigan, *Development of a Marine Spatial Planning Tool for Wind Farm Siting in the Great Lakes*

**Cristina Carollo**, Harte Research Institute - Texas A&M Corpus Christi, *GAME - Quantitative Gap Analysis for the West Coast of Florida based on Experts' Opinions*

**Julie Hinderer**, Great Lakes Commission, *Building Capacity for the Management and Control of *Phragmites australis**

**Nicholas Napoli**, Massachusetts Ocean Partnership, *Regional Ocean Data Portal to Support Coastal and Marine Spatial Planning in the Northeast*

**Jay Odell**, The Nature Conservancy, *MARCO's Mapping and Planning Portal: Current Status and Next Steps*

**Bran Smith**, National Oceanic and Atmospheric Administration, Coastal Services Center, *Building Regional Data Portals to Support Coastal and Marine Spatial Planning: Regional Perspectives, Considerations, Resources, and Lessons Learned*

**Charles Steinback**, Ecotrust, *Decision Support Tool Design to Facilitate Participatory Coastal and Marine Spatial Planning*

1:30 - 3:00 pm | **Columbus G**

### **CMSP Best Practices for Ocean Renewable Energy.**

Moderator: Laura Smith Morton, Department of Energy

Whitney Blanchard, National Oceanic and Atmospheric Administration, *Coastal and Marine Spatial Planning Best Practices for Ocean Renewable Energy*

Grover Fugate, State of Rhode Island, *Rhode Island Special Area Management Plan and Offshore Wind*

Sally Yozell, National Oceanic and Atmospheric Administration, *The National Ocean Policy's Framework for CMSP - Implementation and Ocean Renewable Energy*

Jaron Ming, Bureau of Ocean Energy Management, Regulation and Enforcement, *CMSP Activities under the West Coast Governor's Agreement on Ocean Health Renewable Energy Action Coordination Team*

Sean O'Neill, Ocean Renewable Energy Coalition, *Tidal and Wave Power: Guidelines for Effective Planning from an Industry Perspective*

Sandra Whitehouse, Ocean Conservancy, *Overview of CMSP and Ocean Renewable Energy*

1:30 - 3:00 pm | **Columbus H**

### **Water Quality - Beach Monitoring Techniques**

Moderator: Diana Olinger, National Oceanic and Atmospheric Administration

Michael Fienen, U.S. Geological Survey, Wisconsin Water Science Center, *A Partial Least Squares Approach to Beach Water Quality Modeling*

Donna Francy, U.S. Geological Survey, *Monitoring to Improve the Accuracy of Beach Advisories or Closings and Solve Fecal Contamination Problems in Coastal Areas*

Barbara Kirkpatrick, Mote Marine Laboratory, *Going to the Beach and Staying Healthy: A Novel System to Provide Near Real Time Beach Reports*

Adam Mednick, Wisconsin Department of Natural Resources, *Predicting Beach Water Quality: Operational "Nowcasts" and Long-Term Impact Assessments*

1:30 - 3:00 pm | **Columbus I & J**

### **Aquatic Habitat Restoration**

Moderator: Davida Remer, National Oceanic and Atmospheric Administration

H. Becker, Engineering, Science, and Technology, Inc., *Gooseneck Cove and Salt March Restoration*

Jon Kachmar, The Nature Conservancy, *Got Seagrass? Putting Cutting-Edge Research into Restoration Practice*

Richard Murley, URS Corporation, *Mississippi River Reintroduction into the Maurepas Swamp*

Edward Sherwood, Tampa Bay Estuary Program, *From Highways to Habitats: Engineering Healthy Seagrass Meadows*

1:30 - 3:00 pm | **Columbus K & L**

### **The Use of Estuarine and Coastal Studies as Aids to Design and Management: Modeling, Spatial Management and Basic Science in the Gulf of Mexico, Great Lakes, and the Atlantic Ocean**

Moderator: Rob McAdory, U.S. Army Corps of Engineers, Engineering and Research Development Center

Tate McAlpin, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Numerical Modeling of the Morganza to the Gulf of Mexico Levee System*

Gaurav Savant, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Influence of the Caernarvon diversion on Breton Sound Estuary Hydrodynamics, Salinity and Ecology*

Charles Shabica, Shabica and Associates, *Effects of Structurally-Engineered Beaches on Coastal Processes and Shores of the Great Lakes*

Long Zhou, National Oceanic and Atmospheric Administration, *Surface Currents and Turbulent Dispersion in the Tropical North Atlantic*

1:30 - 3:00 pm | **Toronto**

### **Marine Debris Research and Technical Solutions**

Moderator: David Holst, National Oceanic and Atmospheric Administration

Courtney Arthur, National Oceanic and Atmospheric Administration, *What Risk Does Microplastic Debris Pose to the Marine Environment?*

Nir Barnea, National Oceanic and Atmospheric Administration, *Innovative Use of Underwater Survey Methods to Address Derelict Fishing Gear in Washington and Oregon*

Peter Murphy, National Oceanic and Atmospheric Administration, *Derelict Trap and Pot Research – Results of Studies on Abundance, Degradation, and Impacts*

Sarah Opfer, NOAA, Marine Debris Program, *NOAA Protocols for Marine Debris Monitoring and Assessment Along Shorelines and in Coastal Surface Waters*

3:00 - 3:30 am | **Regency Foyer**

### **Coffee Break**

3:30 - 5:00 pm | **Plaza A**

### **Communicating Coastal in 2011: Lessons Learned from Facebook, Twitter, Webex, PowerPoint, and Others**

Moderator: Emily Crum, National Oceanic and Atmospheric Administration

Sarah Carr, EBM Tools Network/NOAA/Natureserve

Emily Crum, National Ocean Service Communications and Education Division

Clint Little, Minnesota's Lake Superior Coastal Program

Kate Nielsen, National Ocean Service Communications and Education Division

3:30 - 5:00 pm | **Plaza B**

### **MSP and Climate Change Adaptation for Sustainable Ecosystems and Land Use Development in New England and Canada**

Moderator: Sally McGee, The Nature Conservancy

Melanie MacLean, Fisheries and Oceans Canada , *State the Gulf of Maine Report*

Matthew Nixon, Maine State Planning Office, *Maine's Approach to Marine Spatial Planning: Data Dissemination and Collaborative Research*

Heidi Nutters, Brown University Center for Environmental Studies, *Engaging Stakeholders in Marine Spatial Planning: Fishermen's Perceptions of MSP in Massachusetts and Rhode Island. A Case Study*

Benjamin Rasmussen, Department of Transportation, *Multi-Agency Scenario Planning for Climate Change: The Cape Cod Pilot Project*

Peter Slovinsky, Maine Geological Survey, *Building a Regional Approach to Sea Level Rise Adaptation in Maine*

3:30 - 5:00 pm | **Truffles**

### **Balancing Economy and Ecology of Marine Resources**

Moderator: Sarah Young, Institute for Coastal Science and Policy

Monica Galligan, California State University Monterey Bay, *Direct and Indirect Economic Effects of fishery Management Measures: How Would a Change in Total Allowable Catch for Local Groundfish Affect the Economy of Monterey, California?*

Karma Norman, National Marine Fisheries Service, *Obtaining Dinner off the Dock and Under the Radar: Subsistence Fishing in Southern California*

Chi-ok Oh, Michigan State University, *Angler Multi-Group Preferences for Boat Fishing Trips Using Recreation Specialization*

Samuel Whitin, EA Engineering, Science & Technology, *Cape Cod Water Resources Restoration Project - A Creative Inter-Agency Solution for Restoring Marine Habitats*

3:30 - 5:00 pm | **Comiskey**

**(Café) Climate Adaptation Knowledge Exchange: Developing an Innovative Community of Practice**

Moderator: Rachel Gregg, EcoAdapt,  
Jessica Hitt, EcoAdapt

3:30 - 5:00 pm | **Gold Coast**

**(Café) ShoreZone Coastal Habitat Mapping System in Alaska: Methodology, Partnership, Inventory, Database, and Applications**

Moderator: Cindy Hartman-Moore, National Oceanic and Atmospheric Administration

3:30 - 5:00 pm | **Acapulco**

**(Café) Science Priorities for CMSP in the US: What Do We Most Need to Know about Ocean Places?**

Moderator: Brian Smith, National Oceanic and Atmospheric Administration

3:30 - 5:00 pm | **Columbus G**

**Connecting Science, Policy, and People Through Integrated Assessment**

Moderator: Elaine Isley, West Michigan Strategic Alliance

Elaine Isely, West Michigan Strategic Alliance, *Stakeholder Education and Engagement in Stormwater Management: The Rein in the Runoff Integrated Assessment*

Ann Krause, University of Toledo, *Capacity Building in Stakeholders Around Detroit River Fish Consumption Advisory Issues*

Erik Nordman, Grand Valley State University, *Integrated Assessment for Constructive Collaboration with Coastal Communities*

Lynn Vaccaro, University of Michigan, *Science in Service of Coastal Communities*

3:30 - 5:00 pm | **Columbus H**

**Cool Geodetic Resources for Your Project**

Moderator: Marti E. Ikehara, National Oceanic and Atmospheric Administration, National Geodetic Survey

John Ellingson, National Oceanic and Atmospheric Administration, National Geodetic Survey

Stephen Gill, National Oceanic and Atmospheric Administration, COOPS and SVC

Marti E. Ikehara, National Oceanic and Atmospheric Administration, National Geodetic Survey

3:30 - 5:00 pm | **Columbus I & J**

**Assessing Restoration Outcomes**

Moderator: Dan Farrow, National Oceanic and Atmospheric Administration

Michael Drexler, Florida Fish and Wildlife Research Institute / University of South Florida College of Marine Science, *Assessing the relative value of oyster (*Crassostrea virginica*) populations sampled from oyster reef, artificial seawall, mangrove, and restored habitats*

Nahaku Kalei, The Nature Conservancy, *Invasive Alien Algae Removal in Maunalua Bay, Oahu*

Edward Sherwood, Tampa Bay Estuary Program, *Incorporating Resiliency into Habitat Restoration Planning in Tampa Bay*

Colleen Wellington, The Ohio State University, Ohio Sea Grant, *Artificial Fish Habitat in Marinas*

3:30 - 5:00 pm | **Columbus K & L**

**Regional Sediment Management**

Rob McAdory, U.S. Army Corps of Engineers, Engineering and Research Development Center

Lauren Dunkin, U.S. Army Corps of Engineers, Engineering Research and Development Center, *Monitoring Shore Protection and Navigation Projects using Three-Dimensional Spatial Data along the Florida Panhandle*

Hoan Le, Lund University, Sweden, *Modeling Regional Sediment Transport and Barrier Elongation at Long Island coast, United States*

Kelly Legault, U.S. Army Corps of Engineers, Jacksonville District, *Regional Sediment Management – Integration of Historical Data and Morphological Models*

Dan Veriotti, Baird and Associates, *Regional Sediment Budget and Shoreline Restoration Alternatives*

3:30 - 5:00 pm | **Regency D**

**Tools for CMSP and Coastal Management**

Moderator: Stuart Eddy, Great Lakes Commission

Danielle Bamford, National Oceanic and Atmospheric Administration, Coastal Services Center, *Coastal County Snapshots: An Issue Specific Data Communication Tool*

Ben Gilmer, The Nature Conservancy, *Coastal Resilience: Decision Support and Local Solutions to Ecosystem-Based Coastal*

Will McClintock, University of California, *MarineMap: Nationwide Coastal and Marine Spatial Planning with Web Based Tools*

Wesley Shaw, Blue Urchin, *Targeting Traditional Audiences with Non-Traditional Tools: The Successes and Challenges of StormSmart Connect*

3:30 - 5:00 pm | **Toronto**

**Local Government Approaches to Wetland Conservation in the Coastal Zone**

Moderator: Travis Olson, Wisconsin Coastal Management Program

Rebecca Kihslinger, Environmental Law Institute, *Integrating Wetland Protection, Land Use, and Hazard Mitigation and Planning*

Kay Miller, Door County Planning & Zoning Department, *Innovations in Local Government Wetland Conservation Programs: Challenges and Opportunities*

Erin O'Brien, Wisconsin Wetlands Association, *Improving Wetland Protection in Wisconsin's Great Lakes Coastal Counties*

6:00 - 8:00 pm | **Crystal Ballroom**

**Exhibit and Poster Session Reception**

Mix and Mingle with 28 Exhibitors and 55 Poster Session Presentors at a Light Reception

# Coastal Zone 2011 Chicago, Illinois

Tuesday, July 19

7:00 - 8:00 am | **Crystal Ballroom**  
**Coffee Break**

7:00 - 5:30 am | **Regency Foyer**  
**Registration**

8:00 - 9:30 am | **Plaza A**  
**(Café) Strategies for Regional Ecosystem Protection and Restoration**

Moderator: Lani Watson, National Oceanic and Atmospheric Administration

8:00 - 9:30 am | **Plaza B**  
**National Ocean Policy Implementation: CMSP and Native American Tribes**

Moderator: Shaunna McCovey, Ocean Conservancy

Micah McCarty, Chairman Makah Tribal Council.

Steve Crawford, Environmental Director for the Passamaquoddy Tribe of Maine.

Jacque Hostler, Chief Executive Officer of the Cher-Ae Heights Indian Community of the Trinidad Rancheria of Northern California

8:00 - 9:30 am | **Truffles**  
**(Café) Harnessing the Opportunities and Realizing the Benefits of Coastal and Marine Spatial Planning**

Moderator: Jennifer Lukens, National Oceanic and Atmospheric Administration

8:00 - 9:30 am | **Comiskey**  
**International Sediment Issues**

Moderator: Michael Drexler, Florida Fish and Wildlife Research Institute/University of South Florida College of Marine Science

Andrew Mason, National Oceanic and Atmospheric Administration, *Characterization of Organic Chemical Contaminants in Sediments from Jobos Bay, Puerto Rico.*

David Whitall, National Oceanic and Atmospheric Administration, *Coral Reef Monitoring to Support Watershed Restoration Efforts in Guanica Bay, Puerto Rico*

8:00 - 9:30 am | **Gold Coast**  
**Holding the High Ground: Incorporating Climate Change into Coastal Habitat Conservation Strategies**

Moderator: Donna Wieting, National Oceanic and Atmospheric Administration

Douglas A. Austen, U.S. Fish and Wildlife Service

Ted Diers, New Hampshire Department of Environmental Services, Coastal Program

Yu Man Lee, Michigan State University Extension, Michigan Natural Features Inventory

Catherine McCall, Maryland Department of Natural Resources

8:00 - 9:30 am | **Acapulco**  
**Shifting Sands - A Broader Management Strategy: Discussion on the National Shoreline Management Study**

Moderator: Tony MacDonald, Director of Urban Coast Institute at Monmouth University

Charely Chestnutt, U.S. Army Corps of Engineers, Institute of Water Resources, *Preliminary Findings from the National Shoreline Management Study*

Ted Keon, Massachusetts Director of Coastal Resources - *Regional Sediment Management at the Local Level: A Perspective from Chatham, MA*

Braxton Davis, South Carolina Office of Ocean and Coastal Resources, *Local Perspectives*.

Arleen O'Donnell, Eastern Research Group, *Social and Economic Effects of Changing Shorelines in the North Atlantic Region*

8:00 - 9:30 am | **Columbus G & H**

### **You Say Potato...Thoughts on Coastal and Ocean Habitat Classification**

Moderator: Garry Mayer, National Oceanic and Atmospheric Administration, Fisheries

Mark Finkbeiner, National Oceanic and Atmospheric Administration, *Pilot Implementation of the Proposed Coastal and Marine Ecological Classification Standard*.

Garry Mayer, National Oceanic and Atmospheric Administration, Fisheries, *CMECS--a National Standard for Coastal and Marine Habitat Classification*.

Ed Rutherford, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory

8:00 - 9:30 am | **Columbus I & J**

### **Sea Level Rise Adaptation/Communication**

Moderator: Rebecca Feldman, National Oceanic and Atmospheric Administration

Brian Batten, Dewberry, *Shaping Sea-Level Rise Adaptation Policy Through Science: The North Carolina Sea Level Rise Risk Through Management Study*

Maggie Harrelson, SCDHEC- Office of Ocean and Coastal Resource Management, *Guidance for South Carolina on Near-Term Coastal Adaptation Priorities*

Sachin Mandavkar, Maccaferri Inc., *The Use of a Special Ballasted Filtering Mattress (BFM) for Seabed Stabilization in Venice Lagoon and Other Coastal Engineering Applications*

Gwen Shaughnessy, MD Department of Natural Resources, *Local Sea Level Rise Adaptation Planning: A Maryland Case Study*

8:00 - 9:30 am | **Columbus K & L**

### **Regional Perspective to Asian Carp Control**

Moderator: Patrice Charlebois, Illinois-Indiana Sea Grant & Illinois Natural History Survey

Lindsay Chadderton, The Nature Conservancy, *Developing an Asian Carp Environmental DNA Surveillance Program for the Great Lakes*

Duane Chapman, U.S. Geological Survey, Columbia Environmental Research Center, *Uncertainties Regarding the Establishment and Effects of Bighead and Silver Carps in the Great Lakes*

John Goss, Council of Environmental Quality, *Update on Progress on the Asian Carp Strategic Control Framework Projects to Keep Asian Carp from Becoming an Established Population in the Great Lakes*

Phil Moy, University of WI Sea Grant Institute, *Regional Response to Asian Carp Range Expansion*

8:00 - 9:30 am | **Regency A**

### **Tools for CMSP: Land and Sea, Seaport, Climatic Risk Assessment**

Moderator: Stuart Eddy, Great Lakes Commission

Sarah Carr, National Oceanic and Atmospheric Administration, *Tools and Methods for Ecosystem-based Climate Adaptation Planning and Integrated Land-Sea Planning*

Ethan Gibney, National Oceanic and Atmospheric Administration, *Mapping Tropical Cyclones Worldwide: Challenges, Features, and Applications*

Lucy Hick, National Oceanic and Atmospheric Administration, *Tools for Integrating Hydrographic Surveys into Coastal Planning: XML Metadata*

David Newell, Stanford University, *Climate Change Adaptation for Seaports: Engineering and Policy for a Sustainable Future*

8:00 - 9:30 am | **Regency B**

### **Collaboration Works! How Diverse Partners Successfully Impact Local Community Resilience Efforts: Lessons Learned from Place-based Programs at NOAA and EPA**

Moderator: Michael Craghan, U.S. Environmental Protection Agency

Lisa Auermuller, Jacques Cousteau National Estuarine Research Reserve

Michael Liffman, National Oceanic and Atmospheric Administration, *Collaborating to Ready Communities for a Changing Climate, The Power of Partnerships*

Martha Maxwell-Doyle, Barnegat Bay Partnership

Erica Seiden, National Oceanic and Atmospheric Administration

8:00 - 9:30 am | **Regency C**

### **Beach Contamination as it Relates to Recreation**

Moderator: Dana Okano, National Oceanic and Atmospheric Administration

Muruleedhara Byappanahalli, Great Lakes Science Center, Lake Michigan Ecological Research Station, *Coastal Water Quality: Net Plankton Communities Can Sustain E. coli in Lake Michigan*

Woo-Young Hyun, Korean Maritime Institute, *Coastal Issues Related to Tourism and Recreation: Hypoxia and Public Access to Open Beaches*

James Morris, U.S. Geological Survey, *USGS Beach-health Investigations Throughout the Great Lakes.*

Meredith Nevers, U.S. Geological Survey, *Identifying and Predicting Area-wide Non-point Sources of Bacteria Contamination Along the Chicago Beaches*

8:00 - 9:30 am | **Regency D**

### **Habitat Modeling and Restoration**

Moderator: Cecily Cunz, University of Illinois, Chicago

Amos Barkai, Olrac, *The Introduction of eLog Technology to the Aquatic Environment.*

Brenda Jones, U.S. Environmental Protection Agency, Great Lakes National Program Office, *Implementing Habitat Restoration at Great Lakes Legacy Act Site.*

Angela Larsen, Alliance for the Great Lakes, *Effective Data Tracking & Implementation: Finding the Connection*

Rob Nairn, Baird and Associates, *Great Lakes Near-Shore Habitat Improvement Opportunities.*

Charles Shabica, Charles Shabica and Associates, *Volunteers to Monitor Results of Restoring Native Aquatic Diversity to a Lake Michigan Ravine Ecosystem*

8:00 - 9:30 am | **Toronto**

### **Ecosystem Management Case Studies**

Moderator: Hanna Goss, National Oceanic and Atmospheric Administration

Traci Birch, University of New Orleans, *Ecosystem Management and its Application at the Local Level: APNEP, CAMA, and Local Land Use Planning in North Carolina.*

Paul Horavtin, U.S. Environmental Protection Agency, *Monitoring Challenges and Approaches for Large Ecosystems.*

Pisase Senawongse, King Mongkut Institute of Technology Ladkrabang, Thailand , *Development of Sustainable Ecosystem Management in Thai Context: Case Study of Five Islands in Thailand.*

9:30 - 10:00 am | **Crystal Ballroom**

### **Coffee Break**

10:00 - 11:30 am | **Regency A & B**

### **Focus Session: Illustrating the National Ocean Policy Vision**

10:00 - 11:30 am | **Regency C & D**

### **Focus Session: Making Gulf Prosperity “Gumbo”**

Combine equal parts heritage, culture, healthy ecosystems, green jobs, and a diverse economy, season well, and serve

11:30 am - 1:00 pm

### **Exhibitor and Poster Session Lunch**

1:00 - 2:15 pm | **Plaza A**

### **Getting the Biggest Return on Investment for Your Habitat Conservation Dollar: Prioritizing Conservation Efforts to Maximize Impacts**

Moderator: Perry Gayaldo, National Oceanic and Atmospheric Administration

Mike Beck, The Nature Conservancy, *Prioritization from a Non-Governmental Organization's Standpoint: Pros and Cons*

Paul Cereghino, National Oceanic and Atmospheric Administration and Curtis Tanner, Washington Department of Fish and Wildlife, *Making Decisions in Dynamic Coastal Landscapes Puget Sound Nearshore Ecosystem Restoration Project*

David Dicks, Director of Strategic Partnerships and Civic Engagement at the University of Washington's College of the Environment, *OMB's Perspective on Prioritization: The Value of Demonstrating Impacts and the Need to Engage Stakeholders*

Ed Schools, Michigan State University Extension, *Michigan Natural Features Inventory - Working with Diverse Partners to Maximize the impact of Conservation Funding: A GIS Based Model to Prioritize Wetlands in the Saginaw Bay*

1:00 - 2:15 pm | **Plaza B**

### **The Marine Transportation System in the Context of the National Ocean Policy and Coastal and Marine Spatial Planning**

Moderator: Laura Herrmann, U.S. Army Corps of Engineers, Institute for Water Resources

Ashley Chappell, National Oceanic and Atmospheric Administration

Lynn Martin, U.S. Army Corps of Engineers, Institute for Water Resources

John Oliver, U.S. Coast Guard Headquarters

Janice Weaver, U.S. Department of Transportation

1:00 - 2:15 pm | **Truffles**

### **Working Waterfronts**

Moderator: Thomas Murray, Virginia Institute of Marine Science Sea Grant Program

Kristen Grant, Maine Sea Grant Program

Thomas Murray, Virginia Institute of Marine Science Sea Grant Program

Stephanie Showalter, University of Mississippi, National Sea Grant Law Center

Jack Wiggin, University of Massachusetts Boston

1:00 - 2:15 pm | **Comiskey**

### **Managing Coral Reefs in a Changing Climate: Adapting to Changes in the Political and Biophysical Landscape in 2011 and Beyond**

Moderator: John Christensen, National Oceanic and Atmospheric Administration

Christy Loper, National Oceanic and Atmospheric Administration, *Economic Values of Coral Reef Ecosystems*

1:00 - 2:15 pm | **Gold Coast**

### **(Café) Understanding the Arctic: Integrating Science and Local and Traditional Knowledge**

Moderator: Jordan Diamond, Environmental Law Institute

Moderator: Teresa Chan, Environmental Law Institute

Moderator: Kathryn Mengerink, Environmental Law Institute

1:00 - 2:15 pm | **Acapulco**

### **Sediment Observations in the US Using LiDAR**

Moderator: Jennifer Tate, U.S. Army Corps of Engineers, Engineering Research and Development Center

Colin Brooks, Michigan Tech Research Institute, *Applications of the US Army Corps of Engineers' CHARTS LiDAR and Multispectral Coastal Mapping System to Analyze the Impacts and Trends of Historical Copper Mining Stamp Sands in Michigan's Keweenaw Peninsula*

John Gerhard, Woolpert/Lockhart, *Enhanced Processing of Bathymetric LiDAR Data*

Charlene Sylvester, U.S. Army Corps of Engineers, *Bathymetric Lidar as a Tool for Mapping Remnant Stamp Sand Material Along Michigan's Keweenaw Peninsula*

1:00 - 2:15 pm | **Columbus G & H**

### **Where the Rubber Hits the Road: Implementing Resilience Measures in Watershed Planning, Stormwater Management, and Future Growth Patterns in the Coastal Zone**

Moderator: Paul Sturm, Center for Watershed Protection

1:00 - 2:15 pm | **Columbus I & J**

### **Marine Debris Planning and Protocols at the Global and State Level**

Moderator: David Holst, National Oceanic and Atmospheric Administration

Nir Barnea, National Oceanic and Atmospheric Administration, *The West Coast Governors Agreement Marine Debris Strategy: A Collaborative Approach to Address Marine Debris on the West Coast*

Kris McElwee, National Oceanic and Atmospheric Administration Marine Debris Program, *A Global Strategy For Reducing Marine Debris Impacts: Outcomes of the 5IMDC*

Kris McElwee, National Oceanic and Atmospheric Administration, *Hawaii Marine Debris Action Plan: A Results-focused, Archipelago-wide Approach*

Neal Parry, National Oceanic and Atmospheric Administration, *Abandoned and Derelict Vessels: Common Eyesore or Coastal Menace?*

1:00 - 2:15 pm | **Columbus K & L**

### **Invasive Asian Carp - Risk Analysis, Prevention, Detection, and Control in the Great Lakes**

Moderator: Sandra Morrison

Ryan Jackson, United States Geologic Survey, *Asian Carp Rapid Response: Flow Monitoring and Piscicide Tracking Using Acoustic Doppler Current Profilers and Rhodamine WT Dye*

Karthik Masagounder, United States Geologic Survey, *Validation of Bioenergetics Models for Bighead and Silver Carps*

Elizabeth Murphy, United States Geologic Survey, *Investigation of the Potential for Bighead and Silver Carp Breeding in Tributaries of the Great Lakes*

1:00 - 2:15 pm | **Regency A**

### **Helping Coastal Communities Adapt to Climate Change: The Sea Grant Community Climate Change Adaptation Initiative**

Moderator: Lauren Land, National Oceanic and Atmospheric Administration, National Sea Grant Office

Juliette Finzi-Hart, USC Sea Grant, *Assessing the Needs of California Coastal Counties to Adapt to Climate Change*

Jill Jentes-Banicki, Ohio Sea Grant & Stone Lab, *Enhancing Sea Grant's Ability to Help Coastal Communities Adapt to Climate Change*

April Turner, S.C. Sea Grant Consortium, *Assessing Flooding Adaptation Needs in the City of Charleston, S.C.*

1:00 - 2:15 pm | **Regency B**

### **(Café) Integrating Public Participation in MPA Planning: Lessons from the MLPA Initiative**

Moderator: Kelly Sayce, Strategic Earth Consulting

Moderator: Darci Connor, Coastal and Marine Planning Consultant

1:00 - 2:15 pm | **Regency C**

### **Habitat Restoration in the Great Lakes-Successes and Lessons Learned**

Moderator: Jessica Berrio, National Oceanic and Atmospheric Administration

Heather Braun, Great Lakes Commission, *Muskegon Lake AOC Habitat Restoration Project - Lessons Learned*

Terry Heatlie, Great Lakes Environmental Research Lab, *You Have Your NOAA Grant, Now What? Notes from a Technical Monitor*

Julie Sims, National Oceanic and Atmospheric Administration, *NOAA's Great Lakes Habitat Restoration Program*

Andrew Struck, Ozaukee County Planning and Parks Department, *Coordinating a Multi-Year, Multi-Million Dollar Watershed-Wide Fish Passage Program – A Case Study of Lessons Learned - Coordination of Partners, Public Input, Funding, and Other Resources for Measurable Outcomes*

1:00 - 2:15 pm | **Regency D**

### **Planning for Limited Coastal Water Supplies**

Moderator: Mountz

1:00 - 2:15 pm | **Toronto**

### **US IOOS - New and Improved Tools for Coastal Managers**

Moderator: Captain Eric Vogelbacher, U.S. Coast Guard

Darcy Dugan, Alaska Ocean Observing System, *Tools for Monitoring and Responding to Offshore Oil and Gas Development in Alaska*

Heather Kerkering, Central and Northern California Ocean Observing System, *Ocean Acidification and Shellfish Growing*

Kevin O'Brien, Connecticut Department of Environmental Protection, *Coastal Hazards Resiliency in the Northeast*

Julianna Thomas, Southern California Coastal Ocean Observing System, *Monitoring and Predicting Coastal Inundation in Southern California*

2:15 - 2:45 pm | **Crystal Ballroom**

### **Coffee Break**

2:45 - 4:00 pm | **Plaza A**

### **Coastal Zone Colonization on Artificial Structures and Natural Coastlines**

Moderator: Whitney Blanchard, National Oceanic and Atmospheric Administration

Erika Ammann, National Oceanic and Atmospheric Administration Fisheries, *Artificial Reef in Whittier Alaska*

Chris Hoffman, U.S. Army Corps of Engineers, Alaska District, *Timescale of Intertidal Colonization at Newly Constructed Breakwaters in Alaska*

Donna Schroeder, Bureau of Ocean Energy Management, Regulation and Enforcement, *Potential Ecological Consequences of Habitat Modification From Offshore Energy Structures*

2:45 - 4:00 pm | **Plaza B**

### **(Café) Finding the Perfect Job**

Moderator: Lisa Schiavinato, North Carolina Sea Grant College Program

2:45 - 4:00 pm | **Truffles**

### **(Café) Planning for the Thinkable: Regenerated, Revitalized, Resilient Future**

Moderator: Velma Grover, McMaster University, Canada

2:45 - 4:00 pm | **Comiskey**

### **The Power of Private/Public Partnerships to Achieve Coastal Restoration and Preservation Goals**

Moderator: Carli Bertrand, Coastal America

Russell Furnari, PSEG Services Corporation, *Creating Powerful Environmental Partnerships with the Energy Sector*

John MacKenzie, The Corporate Wetlands Restoration Partnership, *The Corporate Wetlands Restoration Partnership: 10 Years of Partnering with the Government to Advance Common Goals*

Kameron Onley, The Nature Conservancy, *Mobilizing Partnerships with Government and Corporations: an NGO Perspective*

George Olson, The Procter & Gamble Company (Gillette), *Manufacturing Success for the Coastal and Marine Environment*

2:45 - 4:00 pm | **Gold Coast**

### **(Café) Drawing Dialogues for Island Communities Adapting to Climate Variability and Change**

Moderator: Kasey Jacobs, Department of Natural and Environmental Resources

Ernesto L. Diaz, Director of the Puerto Rico Coastal Zone Management Program

Nathan Ilaoa, Program Manager, American Samoa Coastal Management Program, American Samoa Department of Commerce

Melissa Iwamoto, Planner, Hawaii Coastal Zone Management Program, State of Hawaii Office of Planning

2:45 - 4:00 pm | **Acapulco**

### **Ecoinformatics Approaches to Marine Ecosystem**

Moderator: Peter Fox, Rensselaer Polytechnic Institute

2:45 - 4:00 pm | **Columbus G & H**

### **Data Tools**

Moderator: Kara Riggio, University of Illinois at Chicago

David Hart, University of Wisconsin Sea Grant Institute, *The Wisconsin Coastal Atlas: Building the Coastal Spatial Data Infrastructure to Promote Restoration and Stewardship of the Great Lakes*

Rob Hudson, Photo Science, *Planning for Perfect Weather: SAV Data Capture and Mapping in Humboldt Bay, California*

John Kiousopoulos, Technological Educational Institute of Athens, Greece, *Are the Existing Coastal Indicators Capable to Depict Spatial Notion, at Local Level?*

Lyon Lanerolle, National Oceanic and Atmospheric Administration National Ocean Service, *The Design and Implementation of a NOAA/NOS Cook Inlet and Shelikof Straits Operational Forecast System*

2:45 - 4:00 pm | **Columbus I & J**

### **Socio-economic Data for Managing the Oceans, Great Lakes, and Coasts**

Moderator: Jeffery Adkins, National Oceanic and Atmospheric Administration

Brent Ache, National Oceanic and Atmospheric Administration, *Get the Coastal Socioeconomic Data You Need at NOAA's STICS Website*

Jeffery Adkins, National Oceanic and Atmospheric Administration, *Economics: National Ocean Watch-New Data on the Ocean and Great Lakes Economy*

Kristen Crossett, National Oceanic and Atmospheric Administration, *An Introduction to NOAA's State of the Coast Website*

2:45 - 4:00 pm | **Columbus K & L**

### **Model Testbeds Defining the Goals**

Moderator: Doug Levin, National Oceanic and Atmospheric Administration

Frank Bub, Naval Oceanographic Office - Stennis Space Center, *How an Operational Center Would Use a Testbed*

John Harding, Northern Gulf Institute, *The Role of the SURA Testbed in the Improvement of U.S. Coastal and Estuarine Prediction*

Eowin Howlett, Applied Science Associates, Inc., *Model Testbed – Cyberinfrastructure*

Chris Mooers, Portland State University, *A Long-Range Perspective on the Potential Roles of Model Testbeds in IOOS*

Hendrik Tolman, National Oceanic and Atmospheric Administration, *Transition to Operations, an NCEP Perspective*

2:45 - 4:00 pm | **Regency A**

### **Planning for Sea Level Rise**

Moderator: Rebecca Feldman, National Oceanic and Atmospheric Administration

Heidi Stiller, National Oceanic and Atmospheric Administration Coastal Services Center, *Pairing Science and Stories to Highlight Local Approaches to Climate Change Impacts*

Laurel Kellner, National Oceanic and Atmospheric Administration, *Climate Change and the California Coastal Act; Planning for Sea Level Rise*

Laura Mattison, Coastal Management Program, *Oregon's Dikes Lands Vulnerability Inventory to Support Strategic Planning for the Impacts of Sea-Level Rise*

Fred Richardson/Caitlin Willoughby, Booz Allen Hamilton, *Designing Facility Adaptation Strategies in Response to Climate Change*

2:45 - 4:00 pm | **Regency B**

### **Coastal Community Resilience on the Upper Texas Coast**

Moderator: Kathleen A. Garland, University of Houston-Clear Lake

Cristina Carollo, Harte Research Institute - Texas A&M Corpus Christi, *Ecosystem Services and their Relevance to Communities within the Gulf of Mexico*

2:45 - 4:00 pm | **Regency C**

### **Balancing Growth and Low Impact Development with Resiliency**

Moderator: Sarah van der Schalie, National Oceanic and Atmospheric Administration

Todd Janeski, VA Commonwealth University, *Forging the Link- Linking the Economic Benefits of LID with Community Decisions and Resilience*

Tom Denbow, URS Corporation, *Protecting Great Lakes Water Quality by Balancing Growth and Conservation in Tributary Watersheds*

Sandra Kosek-Sills, Ohio Lake Erie Commission, *Watershed-based Planning for the Protection of Lake Erie in Ohio: Successes of the Ohio Balanced Growth*

Juli Beth Hinds, TetraTech, *Integrating LID into Local Codes and Ordinances: Innovations, Improvements, and Inspirations*

2:45 - 4:00 pm | **Regency D**

### **Planning or Permitting? The Effectiveness and Efficiency of Streamlining in Coastal Management**

Moderator: Thorne Abbott, TEC, Inc.

2:45 - 4:00 pm | **Toronto**

### **Using Traditional Ecological Knowledge in Coastal Resource Management**

Moderator: Kalani Souza, Olohana Foundation

Jean Tanimoto, National Oceanic and Atmospheric Administration

Nancy Wallace, National Oceanic and Atmospheric Administration

4:00 - 4:15 pm | **Room Change**

4:15 - 5:30 pm | **Plaza A**

### **Sustainable Funding Mechanisms**

Moderator: Richard Bowman, The Nature Conservancy

Michelle Lennox, The Nature Conservancy, *New and Sustained Funding for Ocean and Freshwater Conservation, Restoration, and Planning*

4:15 - 5:30 pm | **Plaza B**

### **Strategies for Public Engagement Part II**

Moderator: Ellen Brody, National Oceanic and Atmospheric Administration

Jamie Cross, Alliance for the Great Lakes, *Alliance for the Great Lakes Adopt-a-Beach: Volunteers Playing a Valuable Role in Data Collection*

Sadie Drescher, Center for Watershed Protection, *Promoting Innovative Stormwater Solutions for Coastal Plain Communities using Case Studies, a Community Checklist, a Watershed Treatment Model, and an Outreach Mechanism*

Jennifer Holmes, Delaware National Estuarine Research Reserve, *Exploring Our Coasts One Story at a Time*

4:15 - 5:30 pm | **Truffles**

### **(Café) Leveraging Regional Approaches to Better Understand, Prepare for and Respond to Coastal Environmental Hazards Using Partnerships Across Federal, State, and Local Government and Private Industry**

Moderator: Brendan Bray, National Oceanic and Atmospheric Administration Office of Response and Restoration

Charlie Henry, NOAA Disaster Response Center Director

4:15 - 5:30 pm | **Comiskey**

### **Empowering Communities with Tourism, Recreation, and Coastal Education**

Moderator: Theresa Pierce, National Oceanic and Atmospheric Administration

David Batson, U.S. Environmental Protection Agency, *Inspiring our Nations Future Ocean Leaders - National Student Summit on the Ocean and Coasts*

Brenda Culler, Ohio Department of Natural Resources, Office of Coastal Management, *Partnering to Build Environmental Literacy – Ohio's Successes in Lake Erie Education and Outreach*

Nancee Hunter, Oregon State University, *Partnerships for Learning*

Matthew McBride, NOAA Pacific Services Center, *Pacific Island Stewardship Practices Enhance NOAA's Environmental Education*

4:15 - 5:30 pm | **Gold Coast**

### **(Café) Drawing Dialogues for Island Communities Adapting to Climate Variability and Change**

Moderator: Kasey Jacobs, Department of Natural and Environmental Resources

Ernesto L. Diaz, Director of the Puerto Rico Coastal Zone Management Program

Nathan Ilaoa, Program Manager, American Samoa Coastal Management Program, American Samoa Department of Commerces

Melissa Iwamoto, Planner, Hawaii Coastal Zone Management Program, State of Hawaii Office of Planning

4:15 - 5:30 pm | **Acapulco**

### **Master Planning for Ecological Restoration**

Moderator: Dallas Miner, U.S. Fish and Wildlife Service

Jessica Davenport, San Francisco Bay Conservation and Development Commission, *Bay Meets Delta: Coordinating Restoration and Adaptation Planning in the San Francisco Estuary*

Thomas Evans, URS Corporations, *ReImaging Lorain: The Lower Black River Ecological Restoration Master Plan*

Danielle Green, U.S. Environmental Protection Agency, *Ecological Restoration Master Plans, Restoring Ecological Integrity in the Great Lakes*

Ted Koehler, U.S. Fish and Wildlife Service, *U.S. Fish and Wildlife Service Coastal Program Great Lakes: Taking Action in Partnership to Restore Great Lakes Fish and Wildlife Habitat*

4:15 - 5:30 pm | **Columbus G & H**

### **Beneficial Use of Dredge Material**

Moderator: David Knight, Great Lakes Commission

David Ebersole, City of Cleveland, Ohio, *Beneficial Re-use and Brownfield Projects – Addressing Disposal Needs*

Richard Price, U.S. Army Corps of Engineers, Engineering Research and Development Center, *Beneficial Use of Dredged Material: Evaluating Good Science, Bad Policy and the Ugly Truth*

Galen Scott, National Oceanic and Atmospheric Administration, *Incorporating Geospatial Infrastructure, Data, and Tools in Steering Restoration Criteria of Poplar Island*

Steven Wolf, U.S. Army Corps of Engineers, New England District, *The New England Regional Dredging Team: Sustainable Connections Among Dredged Material Managers*

4:15 - 5:30 pm | **Columbus I & J**

### **Understanding the Role and Value of Evaluation in Adaptive Coastal Management**

Moderator: Kate Barba, National Oceanic and Atmospheric Administration Coastal Services Center

4:15 - 5:30 pm | **Columbus K & L**

### **What's so Great About MPAs? Building Public Support for Marine Protected Areas in the Great Lakes**

Moderator: Lauren Wenzel, National Marine Protected Areas Center

Ray Boudreau, Manager, Lake Superior National Marine Conservation Area, Parks Canada

Frank Lopez, Manager, Old Woman Creek National Estuarine Research Reserve

Melanie Napoleon, Director of Great Lakes Conservation, Shedd Aquarium

Patrick Robinson, Interim Assistant Director, Lake Superior National Estuarine Research Reserve

4:15 - 5:30 pm | **Regency A**

### **Flood Hazard Areas, Mapping, and Insurance Program**

Moderator: Christa Rabenold, National Oceanic and Atmospheric Administration

Mark Crowell, Federal Emergency Management Agency, *An Estimate of the U.S. Population Living in 500-Year Coastal Flood Hazard Areas*

Molly Reif, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Emerging Methods for Land Cover Classification in Coastal Flood Hazard Mapping*

Perry Rhodes, AECOM, *The Impact of Climate Change on the National Flood Insurance Program*

4:15 - 5:30 pm | **Regency B**

### **Data Management**

Moderator: David Newell, Stanford University

Jennifer Kennedy, Texas A&M University of Corpus Christi, *Coastal Bend and State of Texas Collaborative Consortium of Streaming Atmospheric and Oceanographic Environmental Data*

Kelly Knee, Applied Science Associates, *AIS Data Hosting Service and Production Tools*

Ed Rutherford, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, *Using CoastWatch Data and GIS for Decision Support in the Great Lakes*

Micah Wengren, National Oceanic and Atmospheric Administration, *NOAA's nowCOAST: Providing Open Geospatial Consortium Web Service Access to NOAA Environmental Observations and Forecasts*

4:15 - 5:30 pm | **Regency C**

### **Coastal Hazards Associated With Storms**

Moderator: Tate McAlpin, U.S. Army Corps of Engineers, Engineering and Research Development Center

Lori Fenstermacher, National Oceanic and Atmospheric Administration, *Integrated Storm Surge Observations and Forecast Products for Tropical Storm Event Monitoring, Prediction, and Coastal Planning*

Michael Kruk, National Oceanic and Atmospheric Administration, *Coastal Risk Characterization: A Global Analysis of High Winds Associated with Tropical Cyclones*

Nicole Kurkowski, National Weather Service, *Nearshore Wave Prediction System (NWPS): From a SWAN Based Pilot-project to National Expansion*

Nelson Vaz, National Weather Service, *Historical Extratropical Tidal Flooding Event Analogs and Composites for Western Long Island Sound and New York Harbor*

4:15 - 5:30 pm | **Regency D**

### **Recreational Boating and Boater Safety**

Moderator: Kristian Gustavson, Scripps Institution of Oceanography

Tracey Dalton, University of Rhode Island, Marine Affairs Dept., *Investigating Recreational Boaters' Views of Human-environment Interactions in Coastal Waters*

Dan Hellin, University of Massachusetts, *Gathering Human Use Data for Effective Coastal and Marine Spatial Planning: The 2010 Massachusetts Recreational Boater Survey*

Bob Swett, Florida Sea Grant, *Evaluating Boating Safety Risk in Intracoastal Waterways*

4:15 - 5:30 pm | **Toronto**

### **Training and Technical Assistance for Adaptation to Climate Change: Multiple Options and Lessons**

Moderator: Mary Culver, National Oceanic and Atmospheric Administration

Melinda Koslow, National Wildlife Federation, *Restoration Projects to Climate Change*

Maria Psaros, San Francisco Bay National Estuarine Research Reserve

Adam Stein, National Oceanic and Atmospheric Administration, Pacific Services Center

5:15 - 5:45 pm | **Loading Optional Boat Tour**

5:45 - 8:00 pm | **Chicago Park District and Illinois DNR Interpretive Boat Trip**

Celebrate the National Ocean Policy Anniversary and Proposed State of Illinois Coastal Zone Management Program

# Coastal Zone 2011 Chicago, Illinois

## Wednesday, July 20

7:30 - 8:30 am | **Crystal Ballroom**  
**Coffee**

7:30 - 5:30 am | **Regency Foyer**  
**Registration**

8:30 am - 10:00 am | **Plaza A**

### **Integrated Coastal Zone Management Across the Globe**

Moderator: Dana Okano, National Oceanic and Atmospheric Administration

Jungho Nam, Korea Maritime Institute, *Reforming Marine and Coastal Spatial Management in Korea: Legally Binding Zoning Mechanism and Target-based Natural Coastline Management System*

Jongseong Ryu, Korea Ocean Research & Development Institute, *A PSR (Pressure-Status-Response) Based Approach to Classify Korean Estuaries Towards Integrated Coastal Management Strategy*

Paula-Cristina Sierra-Correa, Marine and Coastal Research Institute INVEMAR, *Integrated Coastal Zone Management in Colombia, South America*

Brad Wong, The Nature Conservancy, *An Integrated Approach to Coastal Resource Management*

8:30 am - 10:00 am | **Plaza B**

### **Managing Coral Reefs from Ridge to Reef: Working in Partnership Across Federal and State Agencies and Non-governmental Organizations to Address Local Needs**

Moderator: Elizabeth Dieveney, National Oceanic and Atmospheric Administration

Elizabeth Dieveney, National Oceanic and Atmospheric Administration, *US Coral Reef Conservation: National Goals and Objectives for Addressing Land Based Sources of Pollution*

Howard Hankin, U.S. Department of Agriculture, Natural Resource Conservation Service, *Coral Reef Conservation through Farm Bill Programs and Projects*

Paul Sturm, Ridge to Reefs, Guanica Bay, Puerto Rico: *Interagency Collaborations in a Complex Watershed*

8:30 am - 10:00 am | **Skyway 260**

### **Using Social Science Methods to Support Resilient Human and Ecological Coastal Communities**

Moderator: Erika Washburn, National Oceanic and Atmospheric Administration, Great Lakes Research Laboratory

Kornelia Dabrowska, National Oceanic and Atmospheric Administration, *Assessing the Challenges facing Coastal Communities from the Perspective of Environmental Economics*

Lisa Greber, University of Massachusetts, *Stewardship as Common Ground: Outreach, education and research with religious communities to enhance environmental literacy and stewardship in the Waquoit Bay (Cape Cod, MA) and Boston Harbor areas*

Tiffany Smythe, University of Rhode Island Department of Marine Affairs, *How Do We Do Ecosystem-based Management? Using Social Science to Assess Practitioners' Capacity to Develop and Implement Coastal Ecosystem-based Management Plans*

Ericka Washburn, National Oceanic and Atmospheric Administration, *Qualitative Social Science: Shifting Perspectives from Towns to Watersheds in Coastal New Hampshire*

8:30 am - 10:00 am | **Buckingham**

### **Shoreline Planning, Risk Management, and Readiness Measures**

Moderator: Lisa Granquist, Northeastern University

Joe Burcar, University of Washington School of Marine Affairs, *Urban Shoreline Enhancements 2.0: A West Coast Example Promoting Sustainability and Resilience in an Uncertain Future*

Thomas Fredette, U.S. Army Corps of Engineers, Engineering Research and Development Center, *A New Look at Great Lakes Breakwaters. Can they be Greener?*

Luke Hanna, University of Washington, *Shoreline Armoring along Public Access Areas in Puget Sound and its Possible Influence on Public Perception and Quality of Life*

William Karaffa, U.S. Army Corps of Engineers, Pittsburgh District, *Development of a Life Cycle Risk Management Process for USACE Coastal Navigation Projects*

Matt Slagel, SC Coastal Zone Mgmt Program, *Estuarine Shoreline Planning in South Carolina: Evaluating the Utility of Estuarine Shoreline Reports*

8:30 am - 10:00 am | **Comiskey**

### **CMSP for Ecological Restoration and Economic Recovery in the Gulf of Mexico**

Moderator: Laura Geselbracht, The Nature Conservancy

Bruce Carlisle, Massachusetts Office of Coastal Zone Management, *CMSP in Action: Development of the Massachusetts Ocean Management Plan*

Jeff DeQuattro, The Nature Conservancy, *Setting the Stage for Northern Gulf of Mexico Recover: 100 Miles of Oyster Reef, 1000 Acres of Marsh*

Zach Ferdana, The Nature Conservancy, *Multiple Objective Approach to Restoration in the Gulf of Mexico: Utilizing Web-based Decision Support for Long Term Recovery*

Syed Khalil, LA Applied Coastal Engineering & Science Division, *Building a Sustainable Coast: Restoring and Protecting Coastal Louisiana*

8:30 am - 10:00 am | **Gold Coast**

### **Navigating the Chesapeake Bay TMDL: Charting Maryland's Course for Success**

Moderator: Brenton McCloskey, MD Department of Natural Resources

Kristen Fleming, MD Department of Natural Resources, *Reaching For the Horizon: Maryland's Focus on Accelerating Restoration in the Chesapeake Bay*

Sarah Lane, MD Department of Natural Resources, *Uncharted Territory: Investing in New Technologies to Restore Water Quality*

Jennifer Raulin, MD Department of Natural Resources, *All Hands on Deck! Advancing Watershed Restoration at the Local Level*

8:30 am - 10:00 am | **Water Tower**

### **Sea Level Rise Mapping**

Moderator: Tate McAlpin, U.S. Army Corps of Engineers, Engineering and Research Development Center

Allison Allen/Stephen Gill, National Oceanic and Atmospheric Administration, *Technical Considerations for Use of Geospatial Data in Sea Level Change Mapping and Assessment*

Nicole Bartlett, National Oceanic and Atmospheric Administration, *Promoting Resiliency: Integrating NOAA tools and capabilities to develop place-based solutions*

Laurita Brown, National Oceanic and Atmospheric Administration, *Analysis of Return Frequencies for Coastal Flooding Thresholds in the Gulf of Mexico using an Inundation Tool*

Timothy Carter, Center for Urban Ecology, Butler University, *Sea Level Rise Planning and Visualization in Coastal Georgia*

Douglas Marcy, National Oceanic and Atmospheric Administration, *Sea Level Rise and Coastal Flooding Impacts Visualization and Mapping Techniques*

8:30 am - 10:00 am | **Acapulco**

### **Across the Lake, Across the Ocean: Global Perspectives in Oceans and Coastal Management**

Moderator: Lynne Mersfelder-Lewis, National Oceanic and Atmospheric Administration

Jens Enemark, Wadden Sea Ministerial Council, Germany, *The Wadden Sea World Heritage: Achievements and Challenges for Future Management of the World's Largest Tidal Barrier Island Coastal System*

Jong Geel Je, Korea Ocean Research & Development Institute, *Marine Biodiversity Conservation through MPA Network: Korean Perspective*

8:30 am - 10:00 am | **Regency A**

### **Observations of Changing Shorelines and Beaches**

Moderator: Nicole Kurkowski, National Oceanic and Atmospheric Administration

Ted Keon, MA Director of Coastal Resources, *Waiting for Equilibrium: Human Reaction and Resulting Conflicts Associated with Shoreline Change Following a New Inlet Formation, Chatham, MA*

David Mickelson, University of Wisconsin-Madison, *Changes in the Lake Michigan Shoreline of Eastern Wisconsin, 1976 to 2007*

Wirastuti Widyatmanti, University of New South Wales, *Physical Characteristics of Wave-dominated Estuaries with Pre-existing Barriers in the South Coast of Central Java*

8:30 am - 10:00 am | **Regency B**

### **Integrated Modeling of Great Lakes Ecosystems**

Moderator: Tom Johengen, National Oceanic and Atmospheric Administration

Felix Martinez, National Oceanic and Atmospheric Administration - *Building a Community Modeling and Forecasting Framework for Lakewide Management in the Great Lakes: A Lake Michigan Working Group*

Marie Colton, National Oceanic and Atmospheric Administration - *Toward Establishing an Ecological Forecasting System Framework for the Great Lakes*

Henry Vanderploeg, National Oceanic and Atmospheric Administration - *Empirical and Modeling Studies Necessary for the Development of an Operational Ecosystem Management Model for Lake Michigan*

8:30 am - 10:00 am | **Regency C**

### **Creating Vibrant Coasts and Economies Using Decision Tools, MSP, and Communication**

Moderator: Whitney Blanchard, National Oceanic and Atmospheric Administration

Matthew Armsby, Stanford University, *Guiding Ecological Principles for Coastal and Marine Spatial Planning*

Peter Freeman, Oregon State University, College of Oceanic and Atmospheric Sciences, *A Community-Based Approach for Identifying, Assessing, and Evaluating Ecosystem Services Associated with Ecosystem-Based Marine Spatial*

Pamela Mason, Virginia Institute of Marine Science, *Communicating Preferences for Integrated Management of Tidal Shorelines: Decision Trees*

Kate Sherman, Oregon Coastal Management Program, *Oregon's Nearshore Research Inventory*

Sandra Whitehouse, Ocean Conservancy, *Implementing Coastal and Marine Spatial Planning as Part of the US National Ocean Policy*

8:30 am - 10:00 am | **Regency D**

### **CMSP - 100 Years of Lessons Learned, Community Applications, and Bringing Communities to the NOP Table**

Moderator: Tracy Rouleau, National Oceanic and Atmospheric Administration

Kathy Greer, Surfrider Foundation, *Community-based Initiative Generates Strong Stakeholder Engagement in Marine Spatial Planning and Ocean Conservation on Washington Coast*

Amy Holman, National Oceanic and Atmospheric Administration, *Alaska's Northern Waters Task Force - Bringing Communities to the Ocean Policy Table*

Robert Thompson, University of Rhode Island, *100 Years of Lessons: What Marine and Coastal Spatial Planners Can Learn from Land Use Planning*

8:30 am - 10:00 am | **Toronto**

### **The Role of Public-Private Partnerships in Advancing West Coast CMSP**

Moderator: Jena Carter, The Nature Conservancy

8:30 am - 10:00 am | **Stetson F & G**

**(Café) Conserving Coastal Habitats In a Changing Climate: Challenges and Opportunities for Effective Action Across Landscape and Local Levels**

Moderator: Roger Griffis, National Oceanic and Atmospheric Administration

10:00 - 10:30 pm | **Crystal Ballroom**

**Coffee Break**

10:30 am - 11:45 am | **Plaza A**

**(Café) Getting the Biggest Return on Investment for Your Habitat Conservation Dollar**

Moderator: Perry Gayaldo, National Oceanic and Atmospheric Administration

10:30 am - 11:45 am | **Plaza B**

**(Café) ICZM in Cuba: A Look at National Policies, Practices and Case Studies on Implementation**

Moderator: Daniel Whittle, Environmental Defense Fund

Dalia María Salabarría Fernández, Ministry of Science, Technology, and Environment

10:30 am - 11:45 am | **Skyway 260**

**(Café) Managing Coastal Change in an Uncertain Future**

Moderator: Joelle Gore, National Oceanic and Atmospheric Administration

Daniel J. Basta, National Oceanic and Atmospheric Administration

Margaret Davidson, National Oceanic and Atmospheric Administration

Donna Wieting, National Oceanic and Atmospheric Administration

10:30 am - 11:45 am | **Buckingham**

**Using History and Science to Protect, Restore, and Sustain the Louisiana Gulf Coast**

Moderator: Ariana Marshall, Florida A&M University

*Kristian Gustavson, Scripps Institution of Oceanography, Assessment of the History, Structure, and Function of the Bohemia Spillway on the Mississippi River and its ability to Resist Rampant Land Loss Which Exists in Adjacent Areas on the Louisiana Coastline*

*Richard Patchen, National Oceanic and Atmospheric Administration, Collaborative Survey Generates Enhanced Coastal Data Products for Mobile Bay*

*John Volk, URS Corporation, The Ground is Moving - The Use of Wick Drains and Staged Construction in LPV 109.2a Levee Construction over Very Soft Soils*

*Dylan Wade, Louisiana State University, Morganza to the Gulf: Constitutional and Liability Issues of Coastal Protection*

10:30 am - 11:45 am | **Comiskey**

**(Café) Planning for Sustainable Sediment Management in Coastal Watersheds**

Moderator: John Freedman, U.S. Environmental Protection Agency

Moderator: Doris McKillip, U.S. Army Corps of Engineers

10:30 am - 11:45 am | **Gold Coast**

**Human Health and Environmental Indicators to Consider for MSP**

Moderator: Shona Paterson, Institute for Coastal Science and Policy, ECU

*Susan Lovelace, National Oceanic and Atmospheric Administration, Developing a Common Pool of Indicators for Measuring Well-being*

*Donald Robadue Jr., University of Rhode Island, Practice, Harvest, And Exchange: Supporting Networks Of Practice Fostering The Population- Health - Environment (PHE) Approach In Coastal Areas*

Kimberly Starbuck, Massachusetts Ocean Partnership, *Using Indicators to Advance Marine Spatial Planning*

10:30 am - 11:45 am | **Water Tower**

**Working Solutions to Protect Habitat of Recovering and Endangered Species**

Moderator: Adam Moore, University of Illinois at Chicago

Sarah Garvin, National Oceanic and Atmospheric Administration, *Worse than Chapter 11, it's Section 7*

Chris Hoffman, U.S. Army Corps of Engineers, Alaska District, *Compensatory Mitigation for Coastal Development: A Roadmap to a Solution*

Mark Capelli, National Marine Fisheries Service, *Planning for Climate Change in Southern California Steelhead Recovery*

10:30 am - 11:45 am | **Acapulco**

**Lake Michigan Water Trail - Opportunities, Implementation, Success**

Moderator: Diane Banta, National Park Service

10:30 am - 11:45 am | **Regency A**

**Water Quality and Beach Monitoring - Nearshore Studies**

Moderator: Michelle Covi, East Carolina University

Jamie Cross, Alliance for the Great Lakes, *Alliance for the Great Lakes Adopt-a-Beach: Volunteers Playing a Valuable Role in Data Collection*

Jenna Jambeck, University of Georgia, *A Mobile Application for Marine Debris Data Collection and Mapping*

Renee Thompson, U.S. Geological Survey - Chesapeake Bay Program Office, *Modeling the Impact of Alternative Future Urban Infill and Redevelopment Scenarios in the Chesapeake Bay Watershed*

10:30 am - 11:45 am | **Regency B**

**Integrated Modeling of Great Lakes Ecosystems**

Moderator: Tom Johengen, National Oceanic and Atmospheric Administration

Joe Atkinson, University at Buffalo, *Support Nearshore Management of Benthic Algae in Lake Ontario*

Val Bennington, University of Wisconsin-Madison, *Coupled Hydrodynamic-Ecosystem Model for Lake Superior*

Joe DePinto, LimnoTech, *Development of an Integrated Modeling Framework (A2EM) and Application to the Lower Maumee River - Lake Erie Western System*

10:30 am - 11:45 am | **Regency C**

**Sustainable Indigenous Coastal Communities**

Moderator: Micah McCarty, Makah Tribal Council

10:30 am - 11:45 am | **Regency D**

**Tools and Techniques to Identify and Assess Coastal Hazards, and Climate Change Impacts on Coastal Communities and Topography**

Moderator: Vanessa Lazar, University of Rhode Island

S.H.M. Fakhruddin, Asian Institute of Technology, Thailand, *Decision Support System (DSS) for Location Specific Risk Information for Coastal Hazard*

David Green, University of Aberdeen, Scotland, *Climate Change and Coastal Adaptation: Using GIS and Visualisation to Identify Issues Affecting Coastal Communities in Aberdeen, Scotland, UK*

Todd Mitchell, Fugro Consultants, *Evaluation of Coastal Slopes Using Mobile Laser Scanning and Bathymetric Surveying Techniques*

Ida Leigh Wood, National Oceanic and Atmospheric Administration, Coastal Management Fellow, *The Coastal Community Vulnerability Assessment Protocol*

10:30 am - 11:45 am | **Toronto**

**Land Use and Development How They Impact Water Quality and Coastal Areas**

Moderator: Zakiya Hoyett, Florida A&M University

Jeffrey Carney, Faculty, College of Design, LSU, *Envisioning a Resilient Delta: A History and Speculation on the Louisiana Long Lot*

Allan Crowe, Environment Canada, National Water Research Institute, *Deteriorating Beaches of the Great Lakes: Are People or is Nature to Blame?*

Jawed Hameedi, National Oceanic and Atmospheric Administration, *Water Quality in St. Lucie Estuary, Florida: Connecting Water Quality With Coastal Land Use Activities*

10:30 am - 11:45 am | **Stetson F & G**

**(Café) The Challenges and Benefits of the Use of Rolling Easements in Climate Change Adaptation**

Moderator: Julia Wyman, Marine Affairs Institute, RI Sea Grant/Roger Williams University School of Law

11:45 - 1:00 pm | **Lunch on Your Own**

11:45 - 1:00 pm | **TBC**

**Student Networking Lunch**

1:00 - 2:15 pm | **Plaza A**

**Staying Connected: Using Distributed Communities of Practice to Connect, Collaborate, and Educate**

Moderator: Lynne Hinkey, National Oceanic and Atmospheric Administration, Coastal Services Center

Bruce Caron, The New Media Studio, *Using Social Networks and Social Media to Connect Communities of Practice*

Lynn Hinkey, National Oceanic and Atmospheric Administration, *Special Challenges for Developing Distributed Communities of Practice (CoP): The Coastal Training Network*

Wesley Shaw, Blue Urchin, *Connecting Communities of Practice with StormSmart Coast*

1:00 - 2:15 pm | **Plaza B**

**Improving Coastal Management Outcomes: Discussions on Diversity within the Profession and Engagement of Diverse Stakeholders**

Moderator: Arianna Marshall, Florida A & M University

Sharon Fuller, University of California Berkeley, *Indigenous Fishing Practices of Gullah Geechee Women*

Queen Quet Marquette Goodwine, International University of the Gullah/Geechee Nation, *De Wata da We Bloodline: Connecting to the Pulse of Sea Islanders and Traditional Methods of Waterways Management*

Kasim Ortiz, University of South Carolina, *National Analysis of Coastal and Marine Spatial Planning Activities: Where Are We? Where Are We Going?*

Audrey Peterman, Earthwise Productions, Inc., *The Legacy on the Land Initiative*

1:00 - 2:15 pm | **Skyway 260**

**Actions for a Resilient Chesapeake Ecosystem**

Moderator: Jennifer Greiner, U.S. Fish and Wildlife Service

Peter Claggett, U.S. Geological Survey

Tai Ming-Chang, U.S. Environmental Protection Agency

Bruce Vogt, National Oceanic and Atmospheric Administration

1:00 - 2:15 pm | **Buckingham**

**Wetland Mitigation Policies and Practices Across the U.S. Coastal Zone**

Moderator: Elizabeth Mountz, National Oceanic and Atmospheric Administration

1:00 - 2:15 pm | **Comiskey**

**Planning for Sustainability in Indigenous Native Communities**

Moderator: Pua Kamaka, National Oceanic and Atmospheric Administration

Moderator: Kitty Simmons, National Oceanic and Atmospheric Administration

1:00 - 2:15 pm | **Gold Coast**

### **CMSP - Recent Trends and Developments**

Moderator: Lenore Alpert, Florida Ocean Alliance

Lenore Alpert, Florida Ocean Alliance, *Marine Spatial Planning in Florida*

Matthew Armsby, Center for Ocean Solutions, *Lessons from the Design of a Marine Spatial Planning Framework for California*

Mary Conley, Southeast Regional Marine Director The Nature Conservancy, *The Nature Conservancy's Work with Marine Spatial Planning*

Jack Wiggan, Urban Harbors Institute, University of Massachusetts Boston and Robbin Peach, The Collaborative Institute for Oceans, Climate and Security, *The Massachusetts Experience: Integrated Multiple-Use Ocean Management*

1:00 - 2:15 pm | **Water Tower**

### **Aquariums and Federal Agencies Working Together to Improve Ocean Literacy and Advance Coastal Stewardship: The Coastal America Learning Center Network**

Moderator: Virginia Tippie, Coastal America

Ted Beattie, President Shedd Aquarium

Steve Coan, President & CEO, Sea Research Foundation, Inc.

JerryENZler, Executive Director, National Mississippi River Museum & Aquarium

Louisa Koch, Director, NOAA Education

Tom Schmid, President and CEO, Texas State Aquarium

Jerry Schubel, President, Aquarium of the Pacific

1:00 - 2:15 pm | **Acapulco**

### **Enhancements to Coastal Zone Management Programs to Address Climate Change and Coastal Hazards**

Moderator: Rebecca Feldman, National Oceanic and Atmospheric Administration

Jessica Davenport, San Francisco Bay Conservation and Development Commission, *Pursuing Resilience Through Policy*

Rebecca Feldman, National Oceanic and Atmospheric Administration, *Tackling Climate Change Impacts and Coastal Hazards Through Enhancements to Coastal Zone Management Programs: A National Perspective*

Melissa Iwamoto, Hawaii Coastal Zone Management Program, *Building Resilient Communities: Adoption of State Building Code with Hawaii-Specific Wind Design Standards*

Jim Park, Ohio Office of Coastal Management, *Ohio's Coastal Design Manual: A Tool for Adapting to Change*

Peter Slovinsky, Maine Geological Survey and Jonathan T. Lockman, Southern Maine Regional Planning Commission, *Building Capacity at the Local Level to Deal with Sea Level Rise through Regional Partnerships: An Example from Saco Bay, Maine*

1:00 - 2:15 pm | **Regency A**

### **Finding Solutions to Evaluate and Manage Sediment, Nutrient, and Inflow of a Waterway Through BMPs, Green Infrastructure, and Hydrologic Modeling**

Moderator: Jennifer Kennedy, Texas A&M University - Corpus Christi

Annie Gillespie, Morro Bay National Estuary Program, *Volunteer Monitoring Efforts Lead to Effective Rangeland BMPs and Landowner Interest in Watershed Stewardship*

Michael Lee, U.S. Geological Survey, *Evaluating the Variability of Sediment and Nutrient Loading into Texas Bays and Estuaries from Riverine Systems*

John Riverson, TetraTech, *Quantifying the Benefits of Green Infrastructure for CSO Reduction in Milwaukee*

1:00 - 2:15 pm | **Regency B**

### **Integrated Modeling of Great Lakes Ecosystems**

Moderator: Felix Martinez, National Oceanic and Atmospheric Administration

Michael Twiss, Great Rivers Center at Clarkson University, *A Criticism of the Shared Vision Model for Water Level Regulation Management in Lake Ontario and the St. Lawrence River: Adding Ecological Realism in the International Section of the St. Lawrence River*

Mark Rogers, U.S. Geological Survey, *An Ecopath with Ecosim Model of Lake Michigan's Offshore Food Web*  
Hongyan Zhang, University of Michigan, *Potential Impacts of Asian Carp on the Food Web and Fisheries in a Lake Michigan Estuary under Different Nutrient Loading Scenarios*

1:00 - 2:15 pm | **Regency C**

### **US IOOS: Tracking Water Quality**

Moderator: Josie Quintrell, National Oceanic and Atmospheric Administration

John Morrison, Northeastern Regional Association of Coastal Ocean Observing Systems, *Using Multiple Lines of Information to Develop Eelgrass-based Nutrient Criteria for New Hampshire's Great Bay Estuary*

Jan Newton, NANOOS and Univ. Washington, *Using Real-time Buoy and Citizen Monitoring Data for Measuring Hypoxia and Ocean Acidification to Aid Decisions on Aquaculture, Fisheries Management, and Water Quality in Puget Sound, Washington, through NANOOS/IOOS*

Dwayne Porter, University of South Carolina, *Addressing Regional Water Quality Concerns at the Local Level: The Role of Regional Associations in Improving Public Health Decision Making*

Jennifer Read, Great Lakes Observing System, *Forecasting to Support Water Quality Management: Integrating Great Lakes Observing System Component to Meet User Needs*

1:00 - 2:15 pm | **Regency D**

### **National Ocean and Coastal Mgmt Policies in Canada and the United States: the Need for Alignment and Cooperation**

Moderator: Peter Ricketts, Carleton University

1:00 - 2:15 pm | **Toronto**

### **Building Adaptive Capacity of Coastal Communities through Risk Management**

Moderator: Margaret Davidson, National Oceanic and Atmospheric Administration

Julie Dennis and Emily Meyer, Florida Department of Community Affairs, *Florida Post-Disaster Redevelopment Planning Statewide Initiative*

Adrienne Harrison, National Oceanic and Atmospheric Administration, *Northeast Regional Ocean Council (NROC)*

Karl Kim, University of Hawaii, *The Integration of Coastal Adaptation and Recovery Strategies: Challenges and Opportunities*

Erin Miles, Department of Homeland Security, *FEMA Recovery*

Jeff Payne, National Oceanic and Atmospheric Administration, *Pacific Risk Management 'Ohana*

Tracie Sempier, Mississippi-Alabama Sea Grant Consortium, *Coastal Storms Program: Building Resilience Networks in the Gulf of Mexico*

Gavin Smith, University of North Carolina Chapel Hill, *Gulf Coast Community Design Studio*

1:00 - 2:15 pm | **Stetson F & G**

### **(Café) NOAA Coastal Storms Program: Shaping the Programs Future in the Great Lakes Through Collaborative Conversations**

Moderator: Audra Luscher-Aissaoui, National Oceanic and Atmospheric Administration

2:15 - 2:45 pm | **Crystal Ballroom Foyer**

### **Coffee Break**

2:45 - 4:00 pm | **Plaza A**

### **(Café) CMSP, IOOS, and Data: They Don't Have to be Four Letter Words**

Moderator: Dave Easter, National Oceanic and Atmospheric Administration

Susannah Sheldon, Program Manager, *Southeast Coastal Ocean Observing Regional Association*

Josie Quintrell, Executive Director, *National Federation of Regional Associations for Coastal and Ocean Observing*

2:45 - 4:00 pm | **Plaza B**

**Building National Networks of Marine Protected Areas**

Moderator: Lauren Wenzel, National Oceanic and Atmospheric Administration, Marine Protected Areas Center  
Vladimir Pliego Moreno, Comision Nacional de Areas Naturales Protegidas  
Mary Rothfels, Canada Department of Fisheries and Oceans

2:45 - 4:00 pm | **Skyway 260**

**(Café) Progress and Challenges of Designing and Executing Regional Coastal and Marine Spatial Planning**

Moderator: Betsy Nicholson, National Oceanic and Atmospheric Administration  
Moderator: Amy Holman, National Oceanic and Atmospheric Administration  
Moderator: Jennifer Lukens, National Oceanic and Atmospheric Administration

2:45 - 4:00 pm | **Buckingham**

**Legal Opinions Related to Governance, Policy, and Regulations**

Moderator: Terra Bowling, University of Mississippi  
Susan Farady, Marine Affairs Institute, RWU School of Law, *The New Ocean Order: Ramifications of the Executive Order and National Ocean Policy*  
Jessica Grannis, Georgetown University Law Center, *Resilience to Sea Level Rise through Land Use Regulation*  
Nicholas Lund, National Sea Grant Law Center, *Designing Adaptive Permitting Regimes*  
Sarah Young, Institute for Coastal Science and Policy, *Power, Governance and Multi-stakeholder Participation*

2:45 - 4:00 pm | **Comiskey**

**Developing New Tools for Community Engagement and Outreach through a National Grant Competition**

Moderator: Stephanie Showalter-Otts, University of Mississippi  
Jessica Bacher, Land Use Law Center, Pave Law School, *Sea Level Rise Land Use Leadership Alliance Training Program*  
Izetta Chambers, University of Alaska Fairbanks Alaska Sea Grant Marine Advisory Program, *Training to Increase Public Participation in NEPA and Fishery Management Council Processes in Southwest Alaska*  
Kathryn Mengerink, Environmental Law Institute, *Supporting the Role of the Arctic People in Coastal & Marine Spatial Planning*

2:45 - 4:00 pm | **Gold Coast**

**Coasts, Construction, and Carbon Sinks: Low impact Development, Ecosystem Services, and Community Resilience on Shorelines**

Moderator: Katrina Hoffman, Washington Sea Grant  
Patrick Corcoran, Oregon Sea Grant  
Rob Emanuel, Oregon Sea Grant, *Building Resilience through Stormwater Management: Oregons Outreach on Stormwater and Low Impact Development*  
Katrina Hoffman, Washington Sea Grant, *Green Shores for Homes: Tools for Creating Resilient Coastal Communities in Washington State and British Columbia*  
Monique Myers, California Sea Grant, *Carbon Storage in Southern California's Natural and Restored Coastal Wetlands*

2:45 - 4:00 pm | **Water Tower**

**USACE Flood Risk Management Program - Multi Agency Communication, Coordination, and Collaboration**

Moderator: Judy Soutiere, U.S. Army Corps of Engineers, Sacramento District  
Alex Dornstauber, U.S. Army Corps of Engineers, Headquarters  
Karen Durham-Aguilera, U.S. Army Corps of Engineers, Headquarters

2:45 - 4:00 pm | **Regency A**

### **Ocean Social Science and Governance: A Federal Perspective**

Moderator: John Primo, Bureau of Ocean Energy Management, Regulation and Enforcement

Rodney Cluck, Bureau of Ocean Energy Management, Regulation and Enforcement, *Ocean Social Science-Interagency Working Group: Role, Focus, and Contributions Toward Coastal and Marine Spatial Planning*

Chris Ellis, National Oceanic and Atmospheric Administration, Coastal Services Center, *A Social Scientific Opportunity: Insights from NOAA's 2010 National Survey of Coastal Resource Managers*

Thomas Fish, U.S. Department of the Interior / CESU Network, *Navigating the Human Dimensions Frontier – Increasing Access to Practical Social Science Information through HD.gov*

John Primo, Bureau of Ocean Energy Management, Regulation and Enforcement, *Ocean Space-Users, Their Conflicts, and Potential Resolution Strategies*

Marilyn ten Brink, U.S. Environmental Protection Agency, *Decision-Making in Coastal Management and a Collaborative Governance Framework*

Peter Wiley, National Oceanic and Atmospheric Administration, *A Social Scientific Opportunity: Insights From NOAA's 2010 National Survey of Coastal Resource Managers*

2:45 - 4:00 pm | **Regency B**

### **Integrated Modeling of Great Lakes Ecosystems**

Moderator: Felix Maritz, National Oceanic and Atmospheric Administration

Rabi Gyawali, Michigan Technological University, *Coupling Watershed and Climate Models for Climate Change Impact Assessment Studies*

Nima Pahlevan, Rochester Institute of Technology, *Integrating Hydrodynamic Modeling and Remotely Sensed Data Towards Quantitative Mapping of Water Constituents in Coastal/Inland Regions*

Meng Xia, University of Michigan, *A Coupled Lake Scale and Nearshore High-Resolution Hydrodynamic-Ecological Model*

2:45 - 4:00 pm | **Regency C**

### **Means to Effectively Communicate and Coordinate, and Make Decisions**

Moderator: Cory Riley, University of New Hampshire and National Oceanic and Atmospheric Administration

Michelle Covi, East Carolina University, *Supporting Climate Change Adaptation through Effective Risk Communication: Insights about Audience from Usability Evaluations*

Zac Hart, National Oceanic and Atmospheric Administration, Coastal Services Center, *From Theory to Practice: Social Marketing and Resilient Coastal Communities*

Chris Haynes, National Oceanic and Atmospheric Administration, Coastal Services Center, *Using Visualization to Inform Decision Making*

Debra Kerr, YouthMuse/The Ocean Project

2:45 - 4:00 pm | **Regency D**

### **Achieving Sustainable Coastal Community Infrastructure in the Face of Climate Change**

Moderator: Erica Seiden, National Oceanic and Atmospheric Administration

Martin Jaffe, University of Illinois, *Reducing Water Supply Vulnerability to Droughts in the Chicago Metro Region*

Kiersten Madden, University of Texas, Marine Science Institute, *Design for Survival: Sustainability for Planet and Structure*

Catherine McCall, Maryland Department of Natural Resources, *Maryland's Approach to Safeguarding People and Places in a Changing Climate*

Brett Van Akkeren, U.S. EPA Office of Sustainable Communities, *Siting Facilities to Reduce Greenhouse Gas Emissions*

2:45 - 4:00 pm | **Toronto**

### **National Climate Assessment Listening Session for Coastal Managers**

Moderator: Ralph Cantral, National Oceanic and Atmospheric Administration

2:45 - 4:00 pm | **Stetson F & G**

**(Café) NOAA Coastal Storms Program: Shaping the Programs Future in the Great Lakes Through Collaborative Conversations**

Moderator: Audra Luscher-Aissaoui, National Oceanic and Atmospheric Administration

4:15 - 5:30 pm | **Plaza A**

**Observing, Modeling, and Monitoring on Small Islands**

Moderator: Wirastuti Widyatmanti, University of New South Wales, Australia

Bryan Costa, National Oceanic and Atmospheric Administration, *LiDAR Derived Surface Complexity for Predicting the Diversity and Abundance of Fish and Corals in the U.S. Caribbean*

Tim Leary, Fugro EarthData, Inc., *Helping the Developing Caribbean Island of St Lucia Build a National GIS*

David Lye, United Kingdom, *Bathymetric LiDAR to Mitigate the Effect of Natural Disasters on Environment and Economy*

Paula-Cristina Sierra-Correa, Marine and Coastal Research Institute INVEMAR, *Information System for Monitoring Meteorological and Oceanographic Parameters and Marine Ecosystems in the Southwestern Caribbean: A Component of the Colombian National Adaptation Program to Climate Change*

4:15 - 5:30 pm | **Plaza B**

**Damage Assessment and Restoration Planning on the Kalamazoo River**

Moderator: Jessica Winter, National Oceanic and Atmospheric Administration

4:15 - 5:30 pm | **Skyway 260**

**(Café) Regional Ocean Partnerships: Implementing and Evaluation Regional Collaboration**

Moderator: Ted Diers, National Oceanic and Atmospheric Administration

4:15 - 5:30 pm | **Buckingham**

**Engaging the Community and Stakeholders Regarding Coastal Development, Coastal Zone Impacts, and Sea Level Rise and Climate Change**

Moderator: Hanna Goss, National Oceanic and Atmospheric Administration

Susan Love, Delaware Coastal Programs, *Survey Says: Delaware's Statewide Survey of Residents' Opinions of Climate Change and Sea Level Rise*

Thomas Webler, Social and Environmental Research Institute, *Integration of Local Planners' and Scientists' Knowledge of Consequences, Vulnerabilities, and Adaptation Strategies to Climate Change Related Hazards*

4:15 - 5:30 pm | **Comiskey**

**Mid-Atlantic Sea Grant Perspectives on the National Ocean Policy: Implementing at the Regional Level**

Moderator: Biliana Cicin-Sain, University of Delaware

4:15 - 5:30 pm | **Gold Coast**

**The Community Rating System in the Coastal Zone - An Incentive for Better Coastal Management**

Moderator: Joshua Lott, National Oceanic and Atmospheric Administration

Braxton Davis, South Carolina Office of Ocean and Coastal Resources

Eugene Henry, AICP, CFM, Hazard Mitigation Manager, Hillsborough County

Berry Williams, Berry A. Williams & Associates, Inc

4:15 - 5:30 pm | **Water Tower**

### **Managing Coastal Flood Plains in the Twenty First Century**

Christa Rabenold, National Oceanic and Atmospheric Administration

Dave Fowler, Milwaukee Metropolitan Sewerage District

Susan Ivester Rees, U.S. Army Corps of Engineers, Mobile District

Bill Lesser, Federal Emergency and Management Administration

Kevin Smith, Ecosystem Restoration Services, Maryland Department of Natural Resources, *Living Shorelines and Coastal Resiliency in the State of Maryland*

4:15 - 5:30 pm | **Acapulco**

### **Watershed Approach to Mitigating Hypoxia in Coastal Waters**

Moderator: David Kidwell, National Oceanic and Atmospheric Administration

Mary Anne Evans, University of Michigan, *Simple Models for Hypoxia Forecasting: Gulf of Mexico and Chesapeake Bay*

Kevin Fermanich, University of Wisconsin-Green Bay, *Green Bay Hypoxia: Watershed Inputs, Impacts, and Management*

Robert Magnien, National Oceanic and Atmospheric Administration, *The Utility and Role of Ecological Models in Mitigating Coastal Hypoxia: A Perspective From the Gulf of Mexico/Mississippi River Nutrient Task Force*

Dale Robertson, U.S. Geological Survey, *Use of SPARROW Watershed Models to Determine the Spatial Distribution and Sources of Nutrients in Streams throughout the Great Lakes and Mississippi River Basins*

4:15 - 5:30 pm | **Regency A**

### **The Economic Value of Ecosystem Services**

Moderator: Pete Wiley, National Oceanic and Atmospheric Administration, Coastal Services Center

Peter Edward, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *The Role of Ecosystem Services Valuation in Coastal Habitat Conservation*

William Fisher, U.S. Environmental Protection Agency, *Measuring Biophysical Components of Ecosystems to Estimate Provision of Natural Benefits*

Linwood Penndleton, National Oceanic and Atmospheric Administration and Duke University, *The Marine Ecosystem Services Partnership*

Kristy Wallmo, National Oceanic and Atmospheric Administration, *Public Values for Marine Protected Areas in the Northeast U.S. Exclusive Economic Zone*

4:15 - 5:30 pm | **Regency B**

### **Integrated Modeling of Great Lakes Ecosystems**

Moderator: Felix Martinez, National Oceanic and Atmospheric Administration

Jon Bartholic, Institute of Water Research, Michigan State University, *High Impact Targeting Decision Support System for BMPs to Most Effectively Reduce NPS Pollution into the Great Lakes System*

Jennifer Read, Great Lakes Observing System, *Session Synthesis*

4:15 - 5:30 pm | **Regency D**

### **Estuarine Ecosystem Restoration in the Northeast US**

Moderator: Elisa Chae-Banaja, National Oceanic and Atmospheric Administration

Moderator: Roselle Henn, U.S. Army Corps of Engineers, North Atlantic Division

Lisa Auermuller, Jacques Cousteau National Estuarine Research Reserve, New Jersey, *Living Shorelines: Enhancing Stabilization, Habitat and Partnerships*

Bill Hubbard, U.S. Army Corps of Engineers, New England District, *Estuarine Restoration/Tidal Exchange/Shoreline Management*

David Schulte, U.S. Army Corps of Engineers, Norfolk District, *Sustainable Oyster Restoration in the Chesapeake Region*

4:15 - 5:30 pm | **Toronto**

**(Café) Zero to Sixty: Digital Coast Lightning Round**

Moderator: Ginger Hinchcliff, National Oceanic and Atmospheric Administration, Coastal Services Center  
Danielle Bamford, National Oceanic and Atmospheric Administration, Coastal Services Center  
Diana Bowen, Coastal States Organization  
Mary Conley, The Nature Conservancy  
Zach Ferdana, The Nature Conservancy  
Allison Hardin, Association of State Floodplain Managers  
Alan Luloff, Association of State Floodplain Managers  
Jim Schwab, American Planning Association  
Adam Whelchel, The Nature Conservancy

4:15 - 5:30 pm | **Stetson F & G**

**Forecasting Scenarios for Coastal Management: Can We Focus the Crystal Ball?**

Moderator: Elizabeth Turner, National Oceanic and Atmospheric Administration  
Moderator: Noha Gaber, U.S. Environmental Protection Agency

6:15 - 7:00 pm | **Hyatt Regency from the West Tower Entrance on Stetson St.**  
**Buses depart for the Shedd Aquarium**

7:00 - 10:00 pm | **Shedd Aquarium**

**CZ11 Shedd Aquarium Reception**

This event is co-hosted by the Shedd Aquarium, the Corporate Wetlands Restoration Partnership, Mystic Aquarium (a division of the Sea Research Foundation), and CZ11. Exhibitors include: the Nature Conservancy, Government of Canada, Chicago Park District, Association of State Floodplain Managers, Friends of the Chicago River, and Baird and Associates

7:00 - 10:00 pm |

**Last bus returns to the Hyatt at 10:30!**

# Coastal Zone 2011 Chicago, Illinois

Thursday, July 21

8:00 - 9:00 am | **Crystal Foyer**  
**Coffee**

8:00 - 4:30 am | **Crystal Foyer**  
**Registration**

9:00 - 10:00 am | **Plaza A**

## **Contaminants and Areas of Concern in the Great Lakes**

Moderator: Stuart Eddy, Great Lakes Commission

**Bruce Conant**, University of Waterloo, *A Rapid Multi-Scale Methodology for Characterizing Groundwater/Surface-Water Interactions and Contaminated Groundwater Discharge to Lake Michigan at a Site in Indiana*

**Edward Johnson**, National Oceanic and Atmospheric Administration, *Chemical Contaminants in Areas of Concern and Protected Areas as Measured by NOAA's Mussel Watch Program*

**David Krabbenhoff**, U.S. Geological Survey, *Great Lakes Observing Systems and Geodetic Reference Systems, Their Attributes and Applications*

9:00 - 10:00 am | **Plaza B**

## **(Café) What Can Data Do for You? An Assessment on Great Lakes Information Needs**

Moderator: Sonia Joseph-Joshi, Michigan Sea Grant/National Oceanic and Atmospheric Administration Center of Excellence for Great Lakes and Human Health

Moderator: Leslie Dorworth, Illinois-Indiana Sea Grant/ Purdue University-Calumet

Moderator: Frank Lichtkoppler, Ohio Sea Grant/ Ohio State University Extension

9:00 - 10:00 am | **Buckingham**

## **Multi-Objective Management of Coastal Structures at the Regional and Site Scale**

Moderator: Sergio Mendoza, Indiana Department of Natural Resources

**Paul Bijhouwer**, U.S. Army Corps of Engineers, Buffalo District, *Coastal Navigation Structure Asset Management Activities of the Great Lakes Districts of the US Army Corps of Engineers*

**Matthew Clark**, Baird and Associates, *Biological Assessment for a Breakwater at Grand Marais, MI*

**Pete Zuzek**, Baird and Associates, *A Monte Carlo Approach for Predicting Future Shore Protection Damages on the Great Lakes*

9:00 - 10:00 am | **Comiskey**

## **Coastal America: Twenty Years of Building Partnerships and Creating Tools for Tomorrow**

Moderator: Virginia Tippie, Coastal America

**Steve Coan**, President, Sea Research Foundation and Mystic Aquarium, *Partnering with Educational Centers to Increase Public Awareness: Coastal America Coastal Ecosystem Learning Center Network*

**Patrick Hester**, Spectra Energy Corporation, *Engaging Corporations and NGOs in Restoration & Protection Efforts: The Corporate Wetlands Restoration Partnership*

**William Hubbard**, U.S. Army Corps of Engineers, New England District, *Sustaining Federal Involvement in Non-traditional/Non-mandated Partnerships*

**Bryon Griffith**, U.S. Environmental Protection Agency, Gulf of Mexico Program Office, *Mobilizing Partnership Support for National Ocean Policy Priorities*

9:00 - 10:00 am | **Gold Coast**

### **Great Lakes Observing Systems and Geodetic Reference Systems, their Attributes and Applications**

Moderator: Stephen Gill, National Oceanic and Atmospheric Administration

Stephen Gill, National Oceanic and Atmospheric Administration, *Applications of NOAA Water Level Data in the Great Lakes by the U.S. Army Corps of Engineers*

Jeff Oyler, National Oceanic and Atmospheric Administration, *Support to Great Lakes Monitoring: NOAA Operational Observing Networks, Products and Services*

Jeff Oyler, National Oceanic and Atmospheric Administrations, *Geodetic Reference Systems for the Great Lakes*

9:00 - 10:00 am | **Water Tower**

### **Coastal Hazards Associated with Currents**

Moderator: S.H.M. Fakhruddin, Asian Institute of Technology

Charles Paxton, National Oceanic and Atmospheric Administration, *National Weather Service, Weather Patterns Associated With Rip Current Deaths in the Contiguous United States Coastal Ocean Areas*

Michael Sabones, National Oceanic and Atmospheric Administration, *Rip Current Hazards on the Southeast Coasts of Lake Michigan - Connecting with Stakeholders*

C.S. Wu, National Oceanic and Atmospheric Administration, *Rip Current Hazards on the Southeast Coasts of Lake Michigan - Improving Rip Current Forecasts*

9:00 - 10:00 am | **Wrigley**

### **Reinvesting in Our Harbors and Lakefront Development**

Moderator: Meredith Klekotka, University of Illinois

Gregg Calpino, JJR, LLC, *The Marquette Plan – Northwest Indiana’s Lakeshore Transformation*

Robert Rejman, Chicago Park District, *Building Marinas in a Recession – Economics of the Chicago Harbor System*

Bill Weaver, AECOM, *Harbor Expansion in the City of Chicago Will Create a New “Front Door” to the City*

9:00 - 10:00 am | **Acapulco**

### **Coastal and Waterfront Smartgrowth in the Great Lakes Region**

Moderator: Kenneth Walker, National Oceanic and Atmospheric Administration

Mark Brederland, Michigan Sea Grant Extension

Becky Pearson, Great Lakes Commission

Sarah van der Schalie, National Oceanic and Atmospheric Administration

9:00 - 10:00 am | **Toronto**

### **Use of Science and Mapping for Decision Making**

Moderator: Dana Okano, National Oceanic and Atmospheric Administration

Sarah Eminhizer, Blue Earth Consultants, LLC, *Best Practices for Implementing and Funding Effective Institutional Arrangements and Mechanisms for Science-based Decision-making*

Cory Riley, University of New Hampshire and National Oceanic and Atmospheric Administration, *A Case Study: How Research Funders Can Increase the Use of Science*

April Turner, SC Sea Grant Consortium, *The CRI-SC, Community Resource Inventory Online: A Mapping Resource for South Carolina Communities*

9:00 - 10:00 am | **Stetson F & G**

### **Assessing Restoration Outcomes in the Great Lakes**

Moderator: Erin Dilworth, Central Washington University

Mary Bohling, Michigan Sea Grant Extension, *Reshaping Shorelines: Lessons Learned From Freshwater Shoreline Restoration in Southeast Michigan*

Cathy Breitenbach, Chicago Park District, *Chicago Lakefront Dune Restoration*

James Larson, Upper Midwest Environmental Sciences Center, *Characterizing Habitat and Food Web Structures Across Great Lakes Rivermouth Zones to Support Restoration*

10:00 - 10:30 am | **Crystal Ballroom Foyer**

**Coffee Break**

10:30 - 12:00 pm | **Plaza A**

**Assessing Coastal and Great Lakes Fish Habitats to Prioritize Regional Conservation Opportunities**

Moderator: Janine Harris, National Oceanic and Atmospheric Administration, National Marine Fisheries Service

Kristan Blackhart, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *National Fish Habitat Action Plan Coastal Assessment Summary*

Jim McKenna, U.S. Geological Survey, Great Lakes Science Center, *Coastal Great Lakes Habitat Classification as a Tool for Assessment and Prioritization*

Joel Nohner, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Connecting Watershed and Local Disturbances to Fish Habitat Quality*

Mark Sramek, National Oceanic and Atmospheric Administration, *Implementation of the NFHAP Assessments in the Southeast Region*

10:30 - 12:00 pm | **Plaza B**

**From Computers to Coasts**

Moderator: Lynne Chaimowitz, National Oceanic and Atmospheric Administration

Sonia Joseph-Joshi, Michigan Sea Grant/ NOAA Center of Excellence for Great Lakes and Human Health, *From Computers to Coasts: Tools for Understanding and Addressing Great Lakes Nearshore Water Quality*

Brian Miller, Illinois-Indiana Sea Grant, *Using Agricultural and Land Use Indicators to Inform Local Decisions*

Bryan Pijanowski, Purdue University, *Online Tools for Coastal Watershed Management*

10:30 - 12:00 pm | **Buckingham**

**Great Lakes Observing Part I**

Moderator: Abby Crisostomo, University of Illinois at Chicago

Hunter Brown, University of Michigan, *The Utility of Near-Shore Monitoring Buoys for Observing Lake-Breeze Effects on Coastal Waves*

Joe DePinto, LimnoTech, *An Approach for Designing the Enterprise Architecture of the Great Lakes Observing System*

Steven Ruberg, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Lab, *Extending Network-Based Observations to the Seabed for Research and Transition to Application*

Jia Wang, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, *Temporal and Spatial Variability of Great Lakes Ice Cover, 1973-2010*

10:30 - 12:00 pm | **Comiskey**

**Climate Ready Great Lakes**

Moderator: Heather Stirratt, National Oceanic and Atmospheric Administration, National Operational Hydrologic and Remote Sensing Center

Moderator: Adrienne Antoinne, National Oceanic and Atmospheric Administration

Heather Elmer, Old Woman Creek National Estuarine Research Reserve, *Planning for Climate Change in the Great Lakes – A Training Workshop for Coastal Community Professionals and Decision Makers*

Dawn Nelson, University of Michigan, *Great Lakes Climate Needs Assessment*

Donald Scavia, Graham Institute, University of Michigan, *GLISA: The Great Lakes Integrated Sciences and Assessments Center*

Rochelle Sturtevant, National Oceanic and Atmospheric Administration, *Great Lakes Sea Grant Network, Climate Change Adaptation Planning*

10:30 - 12:00 pm | **Gold Coast**

### **Dredged Material Management in the Great Lakes**

Moderator: David Knight, Great Lakes Commission

Gene Clark, University of Wisconsin Sea Grant, *Dredged Material Management Crisis as Viewed by Great Lakes States*

Jim Weakley, Lake Carriers Association, *Costs and Funding of Operations & Maintenance*

Marie Strum, U.S. Army Corps of Engineers, Detroit District, *Great Lakes Dredged Material Management Strategies*

Will Friedman, Cleveland-Cuyahoga County Port Authority, *Cleveland's Sustainable Sediment Management Solution*

10:30 - 12:00 pm | **Water Tower**

### **Ballast and Bilge Treatment**

Moderator: Maggie Harrelson, South Carolina Office of Ocean & Coastal Resource Management

Aaron Barnett, University of Washington, School of Marine Affairs, *The Clean Vessel Act of 1992 and Bilge Pumpouts: The Logical Next Step for an Oily Waste Water Management Program in Coastal Areas*

Phyllis Green, National Park Service, *Interim and Emergency Ballast Water Treatment for Ports, Locks, and Groundings*

Jeffrey Henquinet, National Park Service, *Freshwater Ballast Treatment of Aquatic Invasive Species*

Rebekah Padgett, Washington State Department of Ecology, Shorelands and Environmental Assistance Program, *Ballast Water in the Puget Sound: The Attempt to Keep an Even Keel*

10:30 - 12:00 pm | **Wrigley**

### **Sediment and Contaminant Studies on Great Lakes Coasts and Tributaries: The Federal Focus on Nearshore Management**

Moderator: Andrew Morang, U.S. Army Corps of Engineers, Engineering and Research Development Center

Lihwa Lin, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Coastal Numerical Modeling of New Buffalo, Michigan*

Andrew Morang, U.S. Army Corps of Engineers, Engineering and Research Development Center, *Sediment Processes Study and Sediment Budget for Lake Erie*

Colleen O'Connell, U.S. Army Corps of Engineers, Buffalo District, *Beneficial Use of Fine-Grained Dredged Material for Ecosystem Creation; Maumee Bay, Ohio*

Charles Peters, U.S. Geological Survey, *USGS Tributary Monitoring to Support Great Lakes Restoration Efforts*

10:30 am - 12:00 pm | **Acapulco**

### **Approaches to Shore Protection in the Great Lakes**

Moderator: Rob Nairn, Baird and Associates

David Bucaro, U.S. Army Corps of Engineers, Chicago District, *Systems Approach to Planning and Implementing Shore Protection*

Mike Chrzatowski, Illinois State Geological Survey, *The Evolution of Shore Protection Along the Illinois Coast: Does this Foreshadow Future Shore Protection in the Great Lakes?*

Mike Donahue, URS Corporation, *Embracing an Adaptive Management Approach to Lake Levels and Flows: Implications for Shore Protection*

Rob Nairn, Baird and Associates, *General View-Approaches to Shore Protection*

10:30 - 12:00 pm | **Toronto**

### **International Upper Great Lakes Study**

Moderator: Tony Eberhardt, U.S. Army Corps of Engineers, Institute for Water Resources

Scudder Mackey, Habitat Solutions, NA, *Coastal Wetland and Fisheries Habitat*

Jennifer Read, Great Lakes Observing Center, *Looking Beyond Lake Regulation: Adaptive Management Approaches to Addressing the Risks of Living Along the Shore*

Mike Shantz, Environment Canada, *Coastal Processes: Findings of the Coastal Technical Work Group in Terms of Flooding, Erosion, Low Water and Shore Protection*

10:30 - 12:00 pm | **Stetson F & G**

**(Café) Implementing Biodiversity Conservation in the Great Lakes: Developing Strategies that are Adaptive and Collaborative**

Moderator: Douglas Pearsall, The Nature Conservancy

Mary Khoury, The Nature Conservancy

Paul Seelbach, U.S. Geological Survey

12:00 - 1:30 pm | **Regency A, B, & C**

**Student, Stratton, and Magoon Awards Lunch**

Congressman Robert J. Dold, 10th District, State of Illinois

1:30 - 2:45 am | **Crystal Ballroom**

**Closing Plenary: Innovation and Adaptation to Changing Coastal Climate**

2:45 - 3:00 pm | **Crystal Ballroom Foyer**

**Room Change**

3:00 - 4:30 pm | **Plaza A**

**Mapping the Great Lakes: A Presentation Panel to Discuss Data, Tools, and Coastal Applications**

Moderator: Heather Stirratt, National Oceanic and Atmospheric Administration, National Operational Hydrologic and Remote Sensing Center

Stephen Aichele, U.S. Geological Survey, *Coastal Applications of High Resolution Elevation and Multispectral Imagery in Michigan*

Lindy Betzhold, National Oceanic and Atmospheric Administration, *Elevation Advances for Lake Superior and the Great Lakes: New Bathymetric Lidar and an Inventory of Coastal Elevation*

Brian Huberty, U.S. Fish and Wildlife Service, *Remote Sensing for Habitat and Wetland Assessment*

John McCombs, National Oceanic and Atmospheric Administration, *Land Cover and Change for the Great Lakes and the Nation 1996 - 2006 and beyond*

3:00 - 4:30 pm | **Plaza B**

**Water Quality and Beach Monitoring in Nearshore Areas**

Moderator: Aaron Barnett, University of Washington

Cathy Breitenbach, Chicago Park District, *Beach Water Quality in Chicago*

Lori Fuller, U.S. Geological Survey, *Linking Land Use to Coastal Water Quality - An Example for Great Lakes Beaches*

Zhongfu Ge, U.S. Geological Survey, *Application of a Numerical Wave-current Model in Analyzing E. coli Budget at an Embayed Beach in Chicago*

Paul Horvatin, U.S. Environmental Protection Agency, *Nearshore Monitoring of the Great Lakes*

Mark Rogers, U.S. Geological Survey, Great Lakes Science Center, *Identifying Nearshore Issues and Science Efforts that Support Lake Michigan LaMP Goals*

3:00 - 4:30 pm | **Buckinham**

**Great Lakes Observing, Part II**

Moderator: Hunter Brown, University of Michigan

Thomas Consi, University of Wisconsin-Milwaukee, *Amphibious Robots as Coastal Zone Sentinels*

Ryan Jackson, U.S. Geological Survey, *Synoptic Water Quality and Velocity Survey of Milwaukee Harbor and its Three Tributaries Using a Manned Boat and Autonomous Underwater Vehicle*

Robert Shuchman, Michigan Tech Research Institute, *Long Term Water Quality, Meteorological and Wave Parameter Measurements in Lake Superior*

Chung-Chu Teng, National Oceanic and Atmospheric Administration, *A National Data Buoy Center, Coastal Ocean Observations from NDBC's Buoys and C-MAN Stations*

3:00 - 4:30 pm | **Comiskey**

### **Coastal Habitat Restoration for the Benefit of Great Lakes Fisheries**

Moderator: Mark Brouder, U.S. Fish and Wildlife Service

James Boase, U.S. Fish and Wildlife Service, *Spawning by Native Fish Species at Two Constructed Spawning Grounds in the Detroit River, MI*

Carl Lindquist, Superior Watershed Partnership and Land Trust, *Protecting and Restoring the Salmon Trout River Watershed, MI*

James McKenna, Tunison Laboratory of Aquatic Science, *Strategic Futuring of Great Lakes Fish Habitat Restoration*

Michele Wheeler, Bad River Watershed Association, *Restoring Naturally Functioning Stream Channels throughout the Bad River Watershed*

3:00 - 4:30 pm | **Gold Coast**

### **Coastal Water Trails of the Great Lakes**

Moderator: Travis Olson, Wisconsin Coastal Management Program

Cheryl Nenn, Milwaukee Riverkeeper, Milwaukee Urban Water Trail

Jeff Prey, Wisconsin State Parks, *WI Lake Michigan Water Trail Network Planning*

Angie Tornes, National Park Service, *Nationwide Network of Water Trails: Great Lakes Focus*

3:00 - 4:30 pm | **Water Tower**

### **Tools, Technologies, and Studies to Identify and Address Stressors in the Great Lakes**

Moderator: Karen Rogulja

Patrice Charlebois, Illinois-Indiana Sea Grant & Illinois Natural History Survey, *Great Lakes AIS Risk Assessment Tools: Insights Into Working with the Stakeholders*

Erika Jensen, Great Lakes Commission, *Envisioning a Chicago Area Waterway System for the 21st Century*

Robert Kay, U.S. Geological Survey, *Investigation of the Potential for Inter-Basin Invasive Species Migration via Groundwater, Lemont Area of Illinois*

3:00 - 4:30 pm | **Wrigley**

### **Offshore Wind in the Great Lakes: Issues and Opportunities**

Moderator: John Hummer, Great Lakes Commission

3:00 - 4:30 pm | **Acapulco**

### **Great Lakes Restoration and Regional Assessments**

Moderator: Tracy Rouleau, National Oceanic and Atmospheric Administration

David Allen, University of Michigan, *Prioritizing Restoration and Conservation Opportunities in the Great Lakes*

Mick Hawkins, Fugro LADS Inc., *Great Lakes Restoration Initiative (GLRI) Bathymetric LiDAR, Lake Superior*

Marc Tuchman, U.S. Environmental Protection Agency, *Great Lakes National Program Office, The Great Lakes Legacy Act: Cleaning Up Contaminated Sediments in Great Lakes Areas of Concern*

3:00 - 4:30 pm | **Toronto**

### **From Landscape to Local: Land Trusts as Partners in Conservation for Climate Adaptation**

Moderator: Renee Kivikko, Land Trust Alliance

Jim Anderson, Lake County Forest Preserves, *Conserving the Coastal Habitats of Chicago Wilderness Through a Regional Climate Change Adaptation Initiative*

Judy Boshoven, Defenders of Wildlife, *Conservation Planning from the Landscape-level to a Local Plan for Sea Level Rise Adaptation for Salt Marsh Habitat in the Lower Shore of MD*

Alisa Hefner, Skeo Solutions, *A Framework for Strategic Conservation and Local Land Use Planning Using a Green Infrastructure Approach*

Chelsie Papiez, Maryland Department of Natural Resources, *Land Conservation in Maryland: Helping Local Land Trusts Evaluate for Climate Change Adaptation and Vulnerability*

3:00 - 4:30 pm | **Stetson F & G**

**Implementing the Great Lakes Compact**

Moderator: David Naftzger, Executive Director, Council of Great Lakes Governors

Daniel Injerd, Illinois Department of Natural Resources-Office of Water Resources

George Kuper, Council of Great Lakes Industries

Howard Reeves, U.S. Geological Survey

Marc Smith, National Wildlife Federation

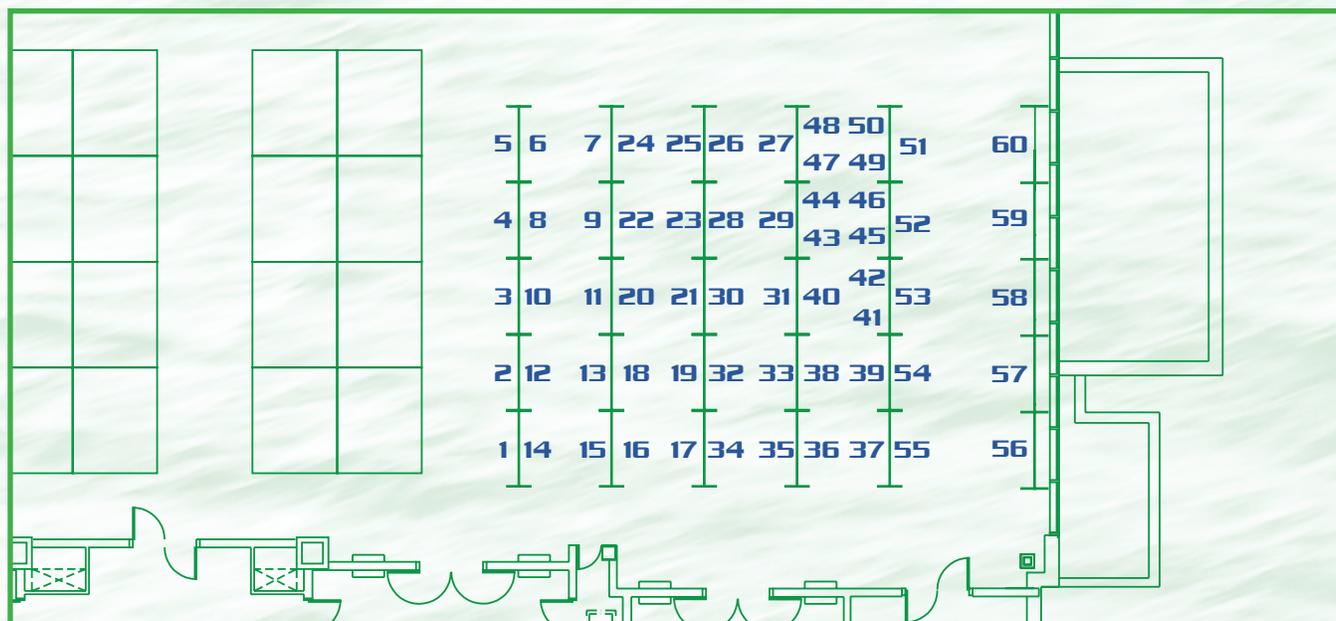
**Thank for being part of CZ11!**

**See you at CZ13!**

**Please remember to complete and  
submit your evaluation form!**

# Poster Session

Monday, July 18, 6:00–8:00pm  
Crystal Ballroom



- 1 - Interannual Variability of Great Lakes Ice Cover and its Relationship to NAO and ENSO**  
Xuezhi Bai - NOAA Great Lakes Environmental Research Laboratory (GLERL)
- 2 - Sea Ice Modeling in the Great Lake Moderator: Stuart Eddy, Great Lakes Commission**  
Haoguo Hu - University of Michigan
- 3 - Remote Sensing of Salinity Intrusions in the Columbia River**  
Nathan Lauffenburger - University of Washington
- 4 - An Assessment of the Effect of Pharmaceuticals and Personal Care Products on Sediment Quality**  
Zakiya Hoyett, Florida A&M University
- 5 - The Chicago Ring-billed Gull Damage Management Project**  
John Hartmann, U.S. Department of Agriculture- Animal and Plant Health Inspection Service (APHIS) Wildlife Services
- 6 - Status and Trends of Legacy Contaminants in the Great Lakes: A Synopsis of Mussel 25 years of Watch Program Contaminant Monitoring Data**  
Kimani Kimbrough, NOAA
- 7 - Continuous-Coverage Seafloor Mapping in Long Island Sound: Building an Interpreted Regional Bathymetric Dataset One Survey at a Time**  
Lawrence Poppe, U.S. Geological Survey
- 8 - NOAA's Phase Measuring Bathymetric Sonar Operations: Integrated Ocean and Coastal Mapping in the Florida Keys National Marine Sanctuary**  
Janice Eisenberg, NOAA Hydrographic Systems and Technology Programs

- 9 - Hydrographic Survey Operations in Support of NOAA's Mobile Bay Collaborative Survey**  
Paul Turner, NOAA Hydrographic Survey
- 10 - Collaboration & Outreach Improve BTS Transportation Statistical Knowledge**  
Matthew Chambers, U.S. Department of Transportation
- 11 - Cataloging All Available Storm Surge Measurements for the State of North Carolina: The National Storm Surge Database**  
Katie McDowell, Western Carolina University
- 12 - An Interactive Web-based Geospatial Database for Mapping and Analyzing Volunteer Beach Monitoring Data**  
Anthony Gabriel, Central Washington University- Department of Geography
- 13 - Mapping Social Values of Coastal Use Relative to Ecosystem Services in the Gulf of Mexico**  
Alisa Coffin and Charles Sidman, U.S. Geological Survey- Fort Collins Science Center
- 14 - Building a Great Lakes Spatial Decision Support Toolbox to Address Comprehensive Plan Implementation and Coastal Hazards Resilience**  
Kathy Johnson, NOAA Coastal Management Fellow
- 15 - Puerto Rico: The Integration of Coastal Zone Management and Marine Spatial Planning**  
Evelio Valeiras Mini, Puerto Rico Department of Natural and Environmental Resources, Coastal Zone Division
- 16 - USGS Tributary and Nearshore Monitoring to Support Great Lakes Restoration Efforts**  
Charles Peters - U.S. Geological Survey
- 17 - Linking National Ocean Policy and Off-Shore Wind Development to the Gulf of Maine**  
Julia Noordyk - Maine Coastal Planning
- 18 - Maritime Cultural Heritage in the National System of Marine Protected Areas**  
Valerie Grussing - National MPA Center
- 19 - Visualizing Ship Traffic Data**  
Kyle Ward - NOAA
- 20 - National Estuarine Research Reserve System: Understanding, Mitigating and Adapting to climate change in our nations estuaries**  
Erica Seiden - NOAA
- 21 - Linking Data Access to Geospatial Data Models to Applications at Local to National Scales: The Estuary Data Mapper**  
Naomi E. Detenbeck - U.S. Environmental Protection Agency - Atlantic Ecology Division
- 22 - Tools for Preparing Coastal Communities for Climate Change in the Great Lakes**  
Frank Lichtkoppler - Great Lakes Sea Grant Network
- 23 - Accelerated Erosion and Sea Level Rise, The Case for Adaptive Policies**  
Lisa Granquist - Northeastern University

- 24 - Developing a Legally Defensible Setback Ordinance Along Part of the Lake Superior Shoreline Bluff Using LIDAR to Help Determine Stable Slope Component of Setback**  
David Mickelson - Northeastern University
- 25 - Ecosystem Indicators and Tools in the Gulf of Maine**  
Susan Russell-Robinson - Gulf of Maine Council
- 26 - Enhanced Precipitation Estimation and Severe Weather Detection from Dual-Polarization Weather Radars**  
Stephen Brueske - NOAA National Weather Service
- 27 - Tipping Points as Management Tools in the Great Lakes Basin**  
Nah Eun Kim - Purdue University
- 28 - EPA Addresses and Prevents Marine Debris Through Education, Monitoring, and Research Tools**  
Ashley Greene - U.S. Environmental Protection Agency
- 29 - In-Situ Geochemical Speciation of Metals in Waste Material**  
Cynthia Price - U.S. Army Corps of Engineers - Engineer Research & Development Center (ERDC)
- 30 - Fighting the Rising Tide of Marine Debris**  
Ben Sward - The Great Lakes Towing Company
- 31 - Use of Soil Mixing to Raise Levees**  
Tom Cooling - URS Corporation
- 32 - Great Lakes Beach Analysis Tool: A Web-based Geographic Information System Application for Identifying Physical and Biological Processes Influencing Beach Water Quality**  
Richard Jodoin - U.S. Geological Survey - Michigan Water Science Center
- 33 - Climate Adaptation Knowledge Exchange (CAKE): Your Online Adaptation Destination**  
Rachel Gregg - Northeastern University
- 34 - Lower Columbia and Willamette River Large Scale Adaptive Hydraulics Model: Holistic Approach in Planning Ecosystem and Habitat Restoration Projects**  
Elvon O. Childs, USACE - ERDC - Coastal and Hydraulics Laboratory
- 35 - From Hydrodynamics and Salinity, Through Sediment Transport and Water Quality, to Ecology and Management: Modeling in Estuarine**  
Robert McAdory, USACE-ERDC-Coastal and Hydraulics Laboratory
- 36 - NOAA's State of the Coast Web Site: Highlighting Connections Across Economy, Ecology, Communities, and Climate**  
Kristen Crossett - NOAA
- 37 - The Gulf of Mexico at a Glance: A Presentation of Regional Socioeconomic and Environmental Attributes**  
Susan Holmes - NOAA National Ocean Service
- 38 - Using Remote Sensing, GIS, and Multi-Stakeholder Collaboration To Foster a Resilient Puerto Rico**  
Kasey Jacobs, Puerto Rico Coastal Zone Management Program, NOAA Coastal Management Fellow
- 39 - Biosphere Reserve Reefs of Los Tuxtlas**  
Adriana Maupome, CONANP SEMARNAT

#### **40-50 - 11 Small posters**

##### **Planning the Illinois Coastline to Address Climate Change: Studio Presentations from the Department of Urban Planning and Policy, University of Illinois at Chicago**

Martin Jaffe - University of Illinois at Chicago - Department of Urban Planning & Policy

##### **51 - National Shoreline Erosion Control Development and Demonstration Program (Section 227 and Section 2038) Overview and Current Projects**

John McCormick - U.S. Army Corps of Engineers - Wilmington District

##### **52 - Cooperative Approaches for Soil Erosion and Sediment Control in the Great Lakes Basin**

Thomas Crane - Great Lakes Commission

##### **53 - Planning for Rising Sea Level in Washington: Providing Tools and Guidance for Local Governments**

Kate Skaggs - NOAA Coastal Fellow - Washington Department of Ecology

##### **54 - Brevard County, Mid-Reach Segment, Hurricane and Storm Damage Reduction Project, Florida a Challenging Undertaking: Providing Storm Damage Reduction Benefits while Maintaining a Healthy Habitat of Nearshore Hardbottoms**

Candida Bronson - U.S. Army Corps of Engineers - Jacksonville District

##### **55 - Measuring Success in the Face of Storms: NOAA Coastal Storms Program**

Jacob Sobin - NOAA Coastal Services Center

##### **56 - The Absence of Gender: Inattention to Women in Natural Hazard Mitigation Planning**

Vanessa Lazar - University of Rhode Island

##### **57 - Coupling Biodiversity and Management Strategy Evaluations to Assess the Effectiveness of Marine Protected Areas in the Puget Sound, Washington**

Erin Dilworth - Central Washington University

##### **58 - Tracking Climate Change Adaptation at Multiple Scales: The Adapting to Rising Tides Project**

Heidi Nutters - NOAA Coastal Management Fellow- San Francisco Bay Conservation and Development Commission

##### **59 - Lake Erie Literacy Principles and Concepts: Empowering Citizens to Take Action to Improve Lake Erie and its Watershed**

Brenda Culler - Ohio Department of Natural Resources - Office of Coastal Management

##### **60 - NOAA's Office of Response and Restoration: Outreach on the Deepwater Horizon/BP Gulf Incident**

Vicki Loe - NOAA

# Getting Around

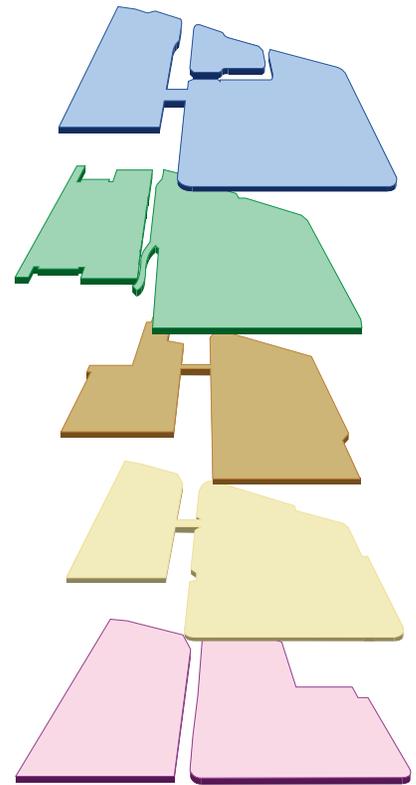
**Blue Level**  
Front Desk, Skyway 260

**Green Level**  
Plaza Foyer, Plaza Ballroom  
Plaza A, B

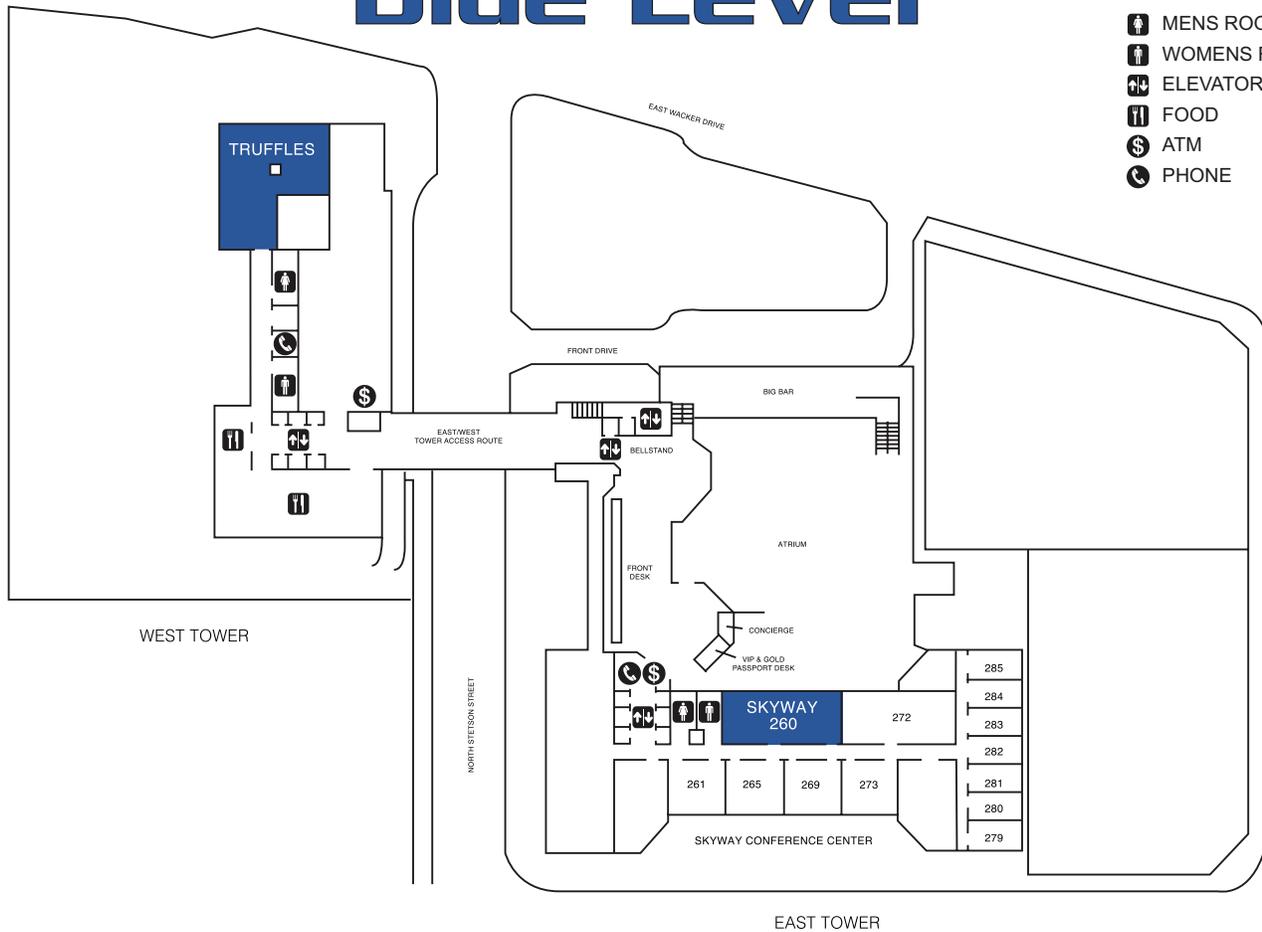
**Bronze Level**  
Buckingham, Comisky  
Gold Coast, Eater Tower  
Wrigley

**Gold Level**  
Acapulco, Columbus G-L  
Regency A-D, Toronto

**Purple Level**  
Stetson F, G

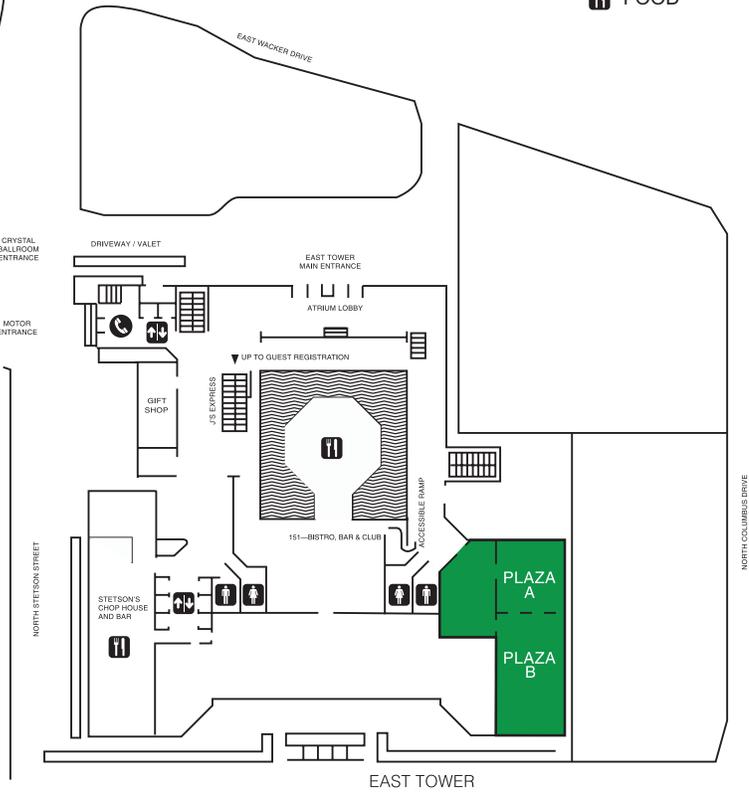
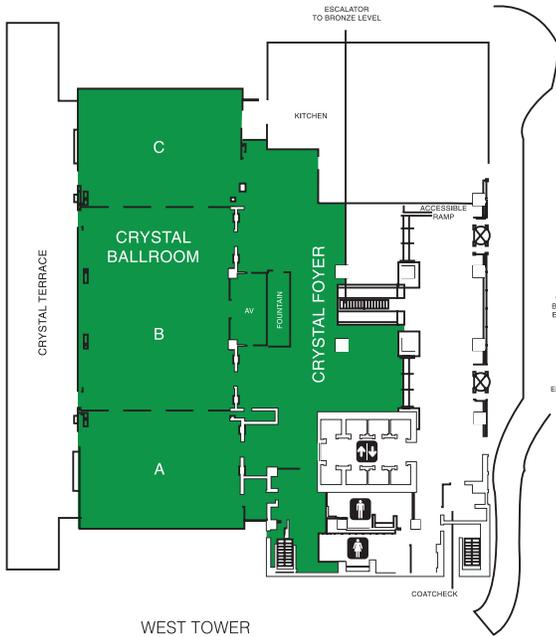


## Blue Level



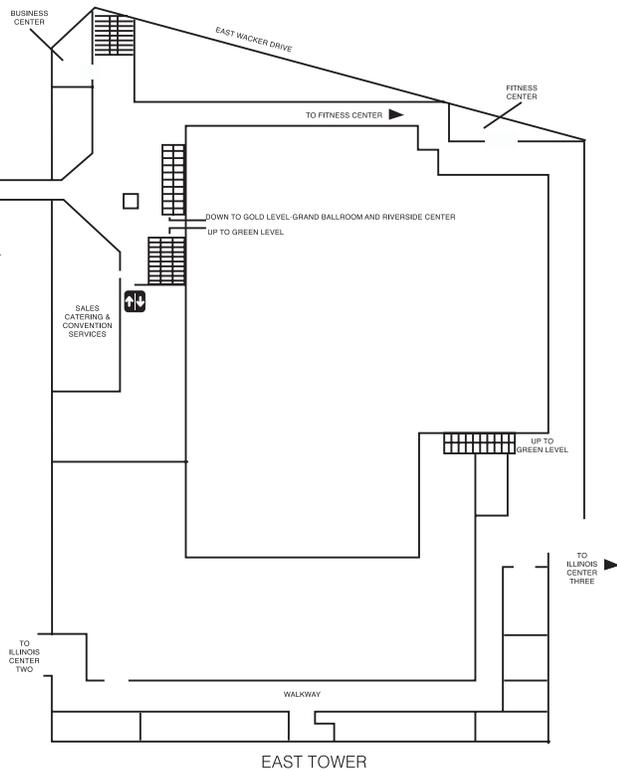
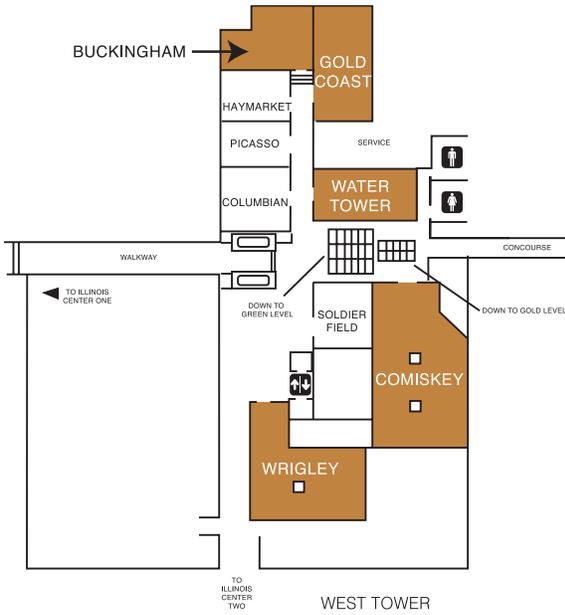
# Green Level

-  MENS ROOM
-  WOMENS ROOM
-  ELEVATOR
-  PHONE
-  FOOD



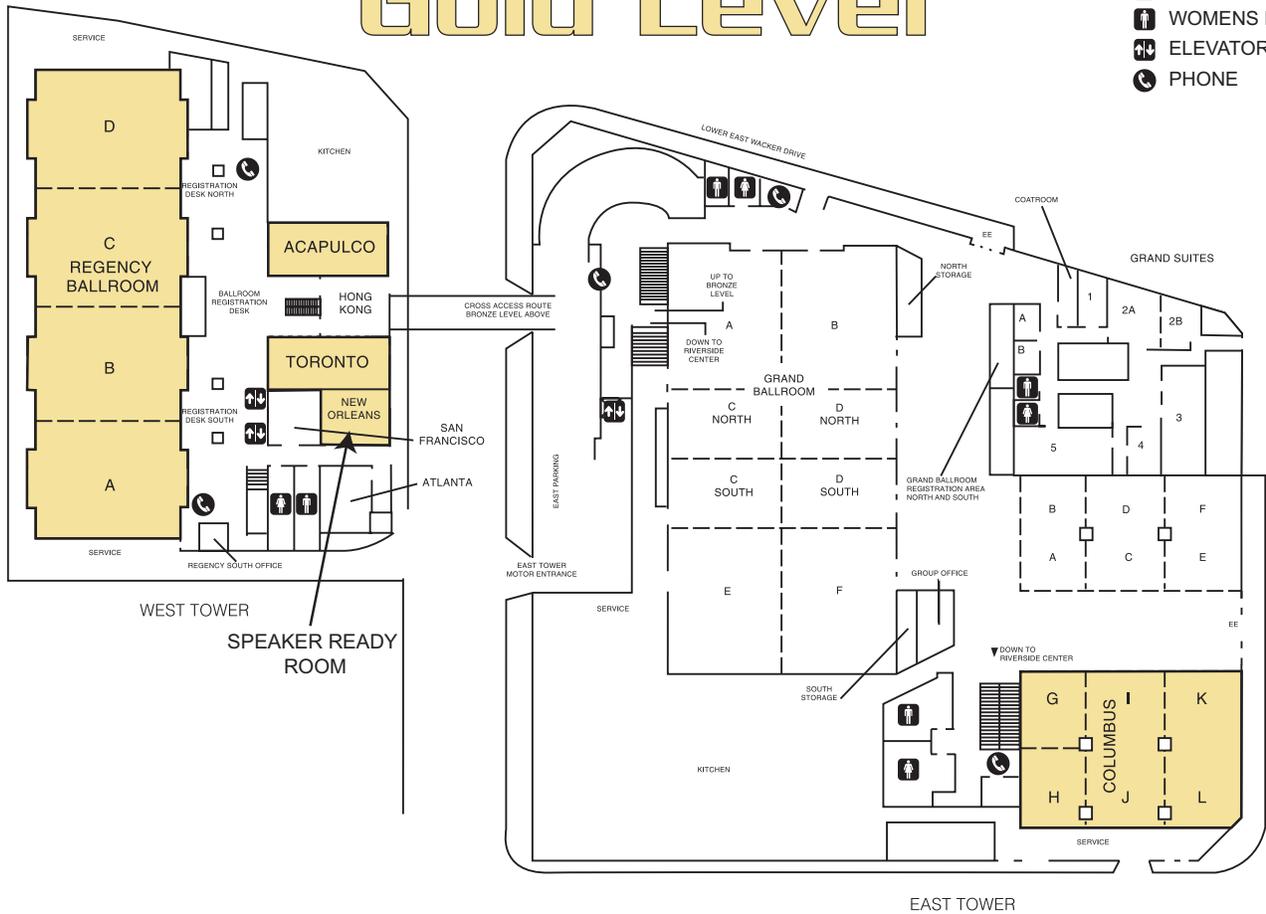
# Bronze Level

-  MENS ROOM
-  WOMENS ROOM
-  ELEVATOR
-  PHONE



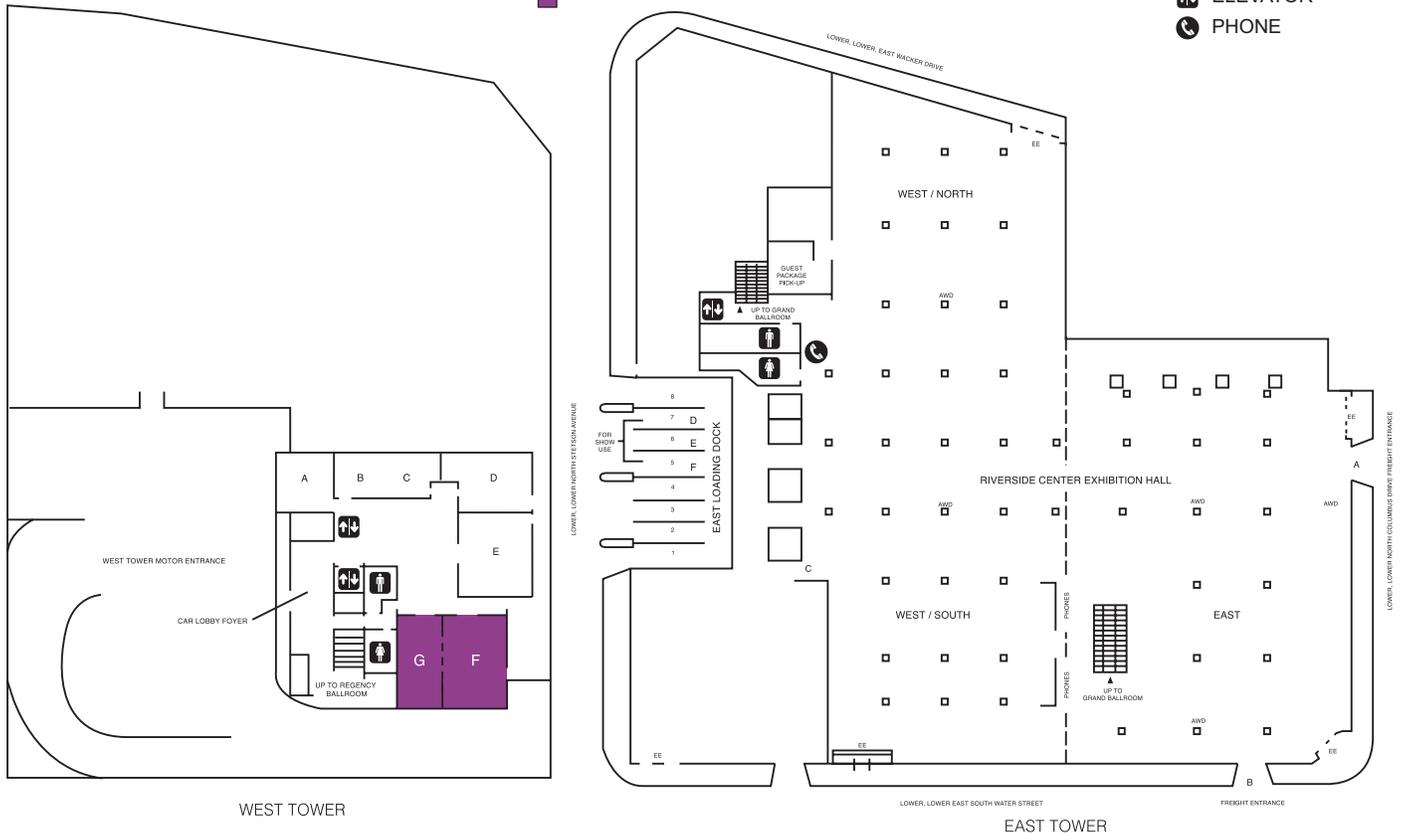
# Gold Level

-  MENS ROOM
-  WOMENS ROOM
-  ELEVATOR
-  PHONE



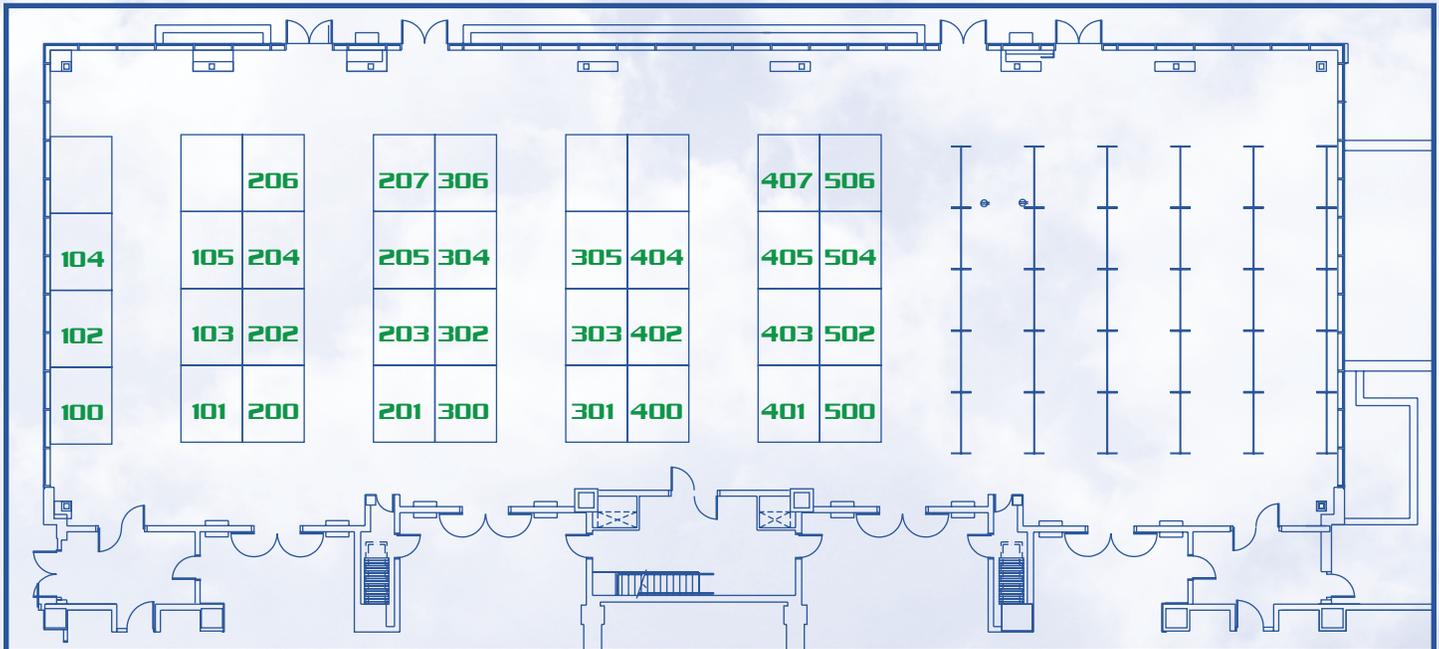
# Purple Level

-  MENS ROOM
-  WOMENS ROOM
-  ELEVATOR
-  PHONE



# Exhibits

Monday, July 18, 6:00–8:00pm  
Crystal Ballroom



## Booth # Organization

100	Woolpert
101	Alliance for Coastal Technologies
102	HESCO Bastion USA
103	Great Lakes Observing System
104	Sea-Bird Electronics
105	Olfish – Dynamic Data Logger
106	Break
107	Break
200	State of Illinois
201	United States Army Corps of Engineers
202	Federal Emergency Management Agency
203	Fugro
204	The Baldwin Group / Lynker Technologies
205	Island Press
206	MarineMap
207	Government of Canada
300	National Oceanic and Atmospheric Administration
301	Coastal Wetlands Restoration Partnership

## Booth # Organization

302	National Oceanic and Atmospheric Administration
303	Sea Research Foundation / Mystic Aquarium
304	National Oceanic and Atmospheric Administration
305	Taylor & Francis Group
306	Earth Resources Technology Inc
307	Break
400	Tetra Tech
401	YSI, Inc
402	Sutron Corporation
403	Dewberry
404	USDA Natural Resources Conservation Service
405	LimnoTech
406	Break
407	Ducks Unlimited
500	Environmental Protection Agency
502	Environmental Protection Agency
504	Department of the Interior
506	Department of the Interior

**The CZ11 Executive Committee and the Hosts Extend a Hearty  
“Thank You” to the Exhibitors!**

**A Special “Thank You” to the New Exhibitors!**

**We Hope to See You at CZ13!**