2014
State of the Coast Conference

MARCH 18-20, 2014
Morial Convention Center | New Orleans, LA

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SOC14 would like to thank Arc of Greater New Orleans for donating their services preparing 1000 conference totes. Arc is a 501(c) (3) non-profit organization serving people with intellectual disabilities and delays from birth through adulthood in Orleans, Jefferson and St. Bernard parishes. If you are interested in creating volunteer opportunities for special needs adults please visit their website at http://www.arcgno.org/
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WELCOME ADDRESS AND OPENING KEYNOTE

Tuesday 9:00 – 10:00, (Great Hall Dining Area)
9:10 – 9:25
Jerome “Z” Zeringue, Welcome Address
Executive Assistant to the Governor for Coastal Activities
Chair, Coastal Protection and Restoration Authority

Jerome Zeringue has extensive experience advocating for coastal protection and restoration matters on a federal, state and local level. Before his appointment as the governor’s executive assistant for coastal activities, he served as executive director of the CPRA, having already served that agency as deputy executive director and as a coastal activities advisor in the governor’s office.

A native of Thibodaux, he previously served as director of the Terrebonne Levee and Conservation District. He holds a bachelor’s degree in zoology and a master’s degree in fisheries biology, both from Louisiana State University. Mr. Zeringue—or Zee, as his friends call him—worked as a fisheries biologist at LSU Sea Grant and assisted the U.S. Food and Drug Administration on seafood regulations. He then became the coastal resources director for the Nature Conservancy of Louisiana, and also helped to establish the Mandalay National Wildlife Refuge.

Despite his heavy workload in Baton Rouge, his primary residence is, and will remain, the city of Houma in Terrebonne Parish.

9:25 – 9:55am
James Carville, Opening Keynote

James Carville is America’s best-known political consultant. His long list of electoral successes evidences a knack for steering overlooked campaigns to unexpected landslide victories and for re-making political underdogs into upset winners.

His most prominent victory was in 1992 when he helped William Jefferson Clinton win the Presidency. In recent years, Carville has not been a paid political consultant for any domestic politicians or candidates for office, instead focusing on campaigns in more than 20 countries around the globe.

Carville is has also authored or co-authored 8-New York Times best sellers a best-selling author. His most recent book with pollster and friend Stan Greenberg It’s The Middle Class Stupid! was released in 2012.

Most recently, Carville is a frequent political commentator and contributor on This Week with George Stephanopoulos. He also serves as a Professor of Practice at Tulane University in New Orleans, where he now resides.

Tuesday Lunch Panel Discussion
12:00 – 1:30 Great Hall Dining Area

This discussion will provide an update on the recent progress of the Louisiana Coastal Protection and Restoration Authority. The audience will gain insight into the growth and direction the coastal program through a retrospective overview of recent accomplishments, summary of current activities, and details of upcoming projects and initiatives

Kyle Graham
Executive Director, CPRA

Kyle Graham is the Executive Director for Louisiana’s Coastal Protection and Restoration Authority with responsibility for establishing policies, programs, and projects consistent with the state’s goals of a sustainable coastal area. Prior to joining the State of Louisiana, Kyle worked as a wetland scientist, restoring streams and wetlands, permitting impacts and preparing environmental documentation. He holds a BS in Biology from the University of North Carolina and a MS in Biology from Appalachian State University.
Wednesday Lunch Panel Discussion
12:00 – 1:30 Great Hall Dining Area
The Role of the Oil & Gas Industry as Stakeholder in Coastal Restoration

This panel will examine the continuing role of the Oil & Gas industry as a stakeholder in coastal restoration. Recognizing that the industry has a wealth of assets embedded in the coast, including not only pipelines, plants, refineries, wells, etc., but also the coastal employees who operate and maintain these assets, what vulnerabilities most concern the industry? How do they plan on adapting to the changing coastline? How does it wish to be engaged? What resources does it bring to the table to address large-scale restoration, coastal protection, and community resilience?

Thursday Lunch Panel Discussion
12:00 – 1:30 Great Hall Dining Area
Emerging Industries of Coastal Restoration and Protection
Moderated by Michael Hecht, GNO Inc.

As the economic development agency for the 10-parish greater New Orleans region, GNO, Inc. seeks to reate proactive approaches towards job creation in innovative sectors. Given the vast experience and expertise regional firms have developed from years of Hurricane recovery, coupled with the significant investments in coastal restoration as a result of the 2010 Oil Spill and CPRA Master Plan, now is the time to build our Emerging Environmental industries and position the region as a hub of international resilience expertise. This lunch session will highlight the work GNO, Inc. in engaging in to cultivate diverse business leadership championing coastal restoration efforts, as well as its efforts in workforce development and business outreach to ensure the full economic impact of coastal restoration is realized.

Michael Hecht
President & CEO
Greater New Orleans, Inc.,

GNO, Inc.'s mission falls broadly into two categories: business development - attracting and growing businesses - and product development – creating better business conditions. Under Michael’s leadership, GNO, Inc. was recently named the #2 economic development organization in the United States by Business Facilities magazine.

Before Coming to GNO, Inc. Michael led the quarter-billion dollar Katrina Small Business Recovery Program for the State of Louisiana. While with the State, Michael also established the $90 million Louisiana Revolving Loan Fund, the first of its kind in the nation. In the years following 9/11, Michael worked for Mayor Michael Bloomberg in New York City as an Assistant Commissioner. Michael also served as inaugural Director of Business Development for the Food Bank for New York City, the largest in the country.

Michael’s entrepreneurial experience includes co-founding ta conglomerate of restaurant ventures, including “Foreign Cinema,” named Restaurant of the Year 2000 in San Francisco. He began his career as a strategic management consultant.

Michael holds an MBA from Stanford Graduate School of Business, where he was a member of the Public Management Program, and an undergraduate degree from Yale University, magna cum laude.

Recently Michael has been recognized as “One of the 25 Most Powerful People in the 10/12 corridor,” a New Orleans “Innovator of the Year,” and one of “Ten People Who Made a Difference” in the South.

With family roots in Louisiana back to the 1830’s, Michael now lives in New Orleans with his wife, Marlene, an ESL professor at Delgado, and his two sons, Dexter and Kaj (“Ki”).
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CONFERENCE SCHEDULE

TUESDAY, MARCH 18, 2014

7:00 am – 9:00 am  Registration (Entrance Hall)

9:00 am – 10:00 am  Welcome Address & Opening Keynote
Jerome Zeringue, Executive Assistant to the Governor for Coastal Activities
James Carville, Political Consultant

10:00 am – 10:30 am  Morning Break with Refreshments (Exhibit Hall)

10:30 am – 12:00 pm  Session Block I

Building Resiliency Workshop I (Panel Discussion) (Room 203-204)
Moderator: Kali Rapp, Tulane University
Panelists: Susan Cutter, University of South Carolina, Margaret Davidson, NOAA, Fikret Berkes, University of Manitoba, Hong Yuan Lee, Minister of the Interior, Taiwan

CRMS Workshop (Room 205)
Sarai Piazza, USGS, Marc Comeaux, USGS, Leigh Anne Sharp, CPRA

Subsidence and Sea Level Rise I (Room 206)
Moderator: Dalston Brunton

10:35 am – 11:00 am  Stable Isotope and Nutrient Analysis to Determine Sediment Sources in the Rio Cruces
Mike Risk, McMaster University

11:00 am – 11:25 am  Sediment Coring and Post-Earthquake Recovery Estimates in the Rio Cruces Estuary
Eduard Reinhardt, McMaster University

11:25 am – 11:50 am  Evaluation of Global Climate Change, Hurricane Impacts, and Subsoil Subsidence on Louisiana’s Dynamic Coastal Landscape
Kimberly Landry, UNO, Student Presenter

Coastal Law (Room 207)
Moderator:

10:35 am – 11:00 am  Benefit/Cost of Flood and Wind Mitigation Techniques for Residential Construction
Fatima Orooji, LSU, Student Presenter

11:00 am – 11:25 am  Development of the CPRA Oyster Lease Acquisition and Compensation Program (OLACP) - From Litigation to Legislation
Jason Shackelford, SWCA Consultants

11:25 am – 11:50 am  Opportunities for Community Adaptation at the Local Level through Ordinances, Codes, and Design
Patrick Michaels, LSU

Matching Supply and Demand in River Diversions I (Room 208-209)
Moderator: Ioannis Georgiou, UNO
10:35 am – 11:00 am  Estimation of Sand Load in the Lower Mississippi River using a Dynamic 1-D Model
Alex McCorquodale, UNO

11:00 am – 11:25 am  Building Land in a Delta from River-Sediment Diversions: Constraints, Potential, and Examples in the Mississippi River Delta
Sam Bentley, LSU

11:25 am – 11:50 am  Sedimentary Dynamics of the Lower Mississippi River and Implications for River Diversions
Michael Ramirez, Tulane University, Student Presenter

Mangrove Restoration (Room 210)
Moderator: Michael Osland, USGS

10:35 am – 11:00 am  Salt March Mangrove Structural Gradients: Implications for Restoration within a Shifting Ecotone in Louisiana and across the Northern Gulf of Mexico
Erik Yando, University of Louisiana at Lafayette, Student Presenter

11:00 am – 11:25 am  Black Mangrove (Avicennia germinans) Restoration Ecology: Understanding Tolerance Limits to Guide Restoration
Mark Hester, University of Louisiana at Lafayette

11:25 am – 11:50 am  Effect of Elevation and Soil Properties on Black Mangrove (Avicennia germinans) Survival and Growth in a Created Tidal Saline Wetland
Laura Hundy, University of Louisiana at Lafayette, Student Presenter

Hydrogeology (Room 211-212)
Moderator: Jennifer Mouton, CPRA

10:35 am – 11:00 am  The Impact of Vertical Distortion on the Hydrodynamics and Sediment Transport in the Expanded Small-scale Physical Model
Clint Willson, The Water Institute of the Gulf

11:00 am – 11:25 am  The Dynamics of Subterranean Flow in the Mississippi River Delta: How Waters below the Surface Impact our Coastal Landscape
Alexander Kolker, LUMCON

11:25 am – 11:50 am  The Louisiana Freshwater Assessment Project: Science-based Decision Support for Water Resources in Louisiana
Bryan Piazza, TNC

A Louisiana Story (Room 201-202)  
(78 minutes)

12:00 pm – 1:30 pm  Lunch with Keynote Speaker, Kyle Graham, Executive Director, CPRA

1:30 pm – 3:00 pm  Session Block II

Building Resiliency Workshop II (Panel Discussion) (Room 203-204)
Moderator: Elizabeth English, Buoyant Foundation Project
Panelists: Cynthia Sarthou, GRN, Jeffrey Thomas, Thomas Strategies, LTG Russel Honore, USACE retired, Patty Whitney, BISCO
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CRMS Workshop (Room 205)
Sarai Piazza, USGS, Marc Comeaux, USGS, Leigh Anne Sharp, CPRA

Subsidence and Sea Level Rise II (Room 206)
Moderator: Patricia Strayer, Battelle

1:35 pm – 2:00 pm  Modeling Basement Subsidence Beneath and Beyond the Mississippi Delta
Torbjörn Törnqvist, Tulane University

2:00 pm – 2:25 pm  Comparative Influence of Chronic Sea Level Rise vs. Acute Hurricane Disturbance on Coastal Bottomland Hardwood Swamp Productivity: Lessons for Living on the Edge?
Julie Whitbeck, Jean Lafitte National Park

2:25 pm – 2:50 pm  Beyond just Sea Level Rise: Incorporating Climate into Coastal Wetland Vulnerability Assessments
Michael Osland, USGS

Communicating Flood Risk (Room 207)
Moderator: Nina Reins, MWH

1:35 pm – 2:00 pm  Economically Efficient Flood Protection Standards for The Netherlands
Jarl Kind, Deltares

2:00 pm – 2:25 pm  Assessment of Present and Future Safety Level of Dikes and Levees
Meindert Van, Deltares

2:25 pm – 2:50 pm  A New National Weather Service Storm Surge Warning and Inundation Graphic
Jamie Rhome, NOAA-NHS

Matching Supply and Demand in River Diversions II (Room 208-209)
Moderator: Alexander Kolker, LUMCON

1:35 pm – 2:00 pm  Effects of Freshwater Inflow on Fish and Shrimp in the Receiving Basin of a River Diversion
Kim de Mutsert, George Mason University

2:00 pm – 2:25 pm  Lower Mississippi River Sediment Diversions Cumulative Benefit/Impact Screening Tool
Stokka Brown, Moffatt & Nichol

2:25 pm – 2:50 pm  A Comparative Study of Nitrogen Cycling in the Caernarvon Diversion, Bonnet Carre Spillway and Wax Lake Delta
John White, LSU

Vegetative Response to Hydrologic Change (Room 210)
Moderator: Jenneke Visser, University of Louisiana at Lafayette

1:35 pm – 2:00 pm  Limitations of Hydrologic Regime on Schoenoplectus spp. Survival and Establishment: Implications for Marsh Restoration
Taylor Sloey, University of Louisiana at Lafayette, Student Presenter
2:00 pm – 2:25 pm  Effects of Hydroperiod Variation on Vegetation Belowground Productivity: Implications for River Diversions  
Gregg Snedden, USGS

2:25 pm – 2:50 pm  Controls on Resistance of Sediment-Amended Salt Marshes to Climate Change-Induced Disturbances  
Camille Stagg, USGS

Greater New Orleans Urban Water Plan (Room 211-212)  
Moderator: Robin Barnes, GNO Inc.

1:35 pm – 2:00 pm  Innovative Stormwater Management Strategies to Create a Sustainable Region  
David Waggonner, Waggonner and Ball Architects

2:00 pm – 2:25 pm  Changing the Paradigm: Stormwater Management for the Greater New Orleans Area  
Jessica Watts, CDM Smith

2:25 pm – 2:50 pm  Louisiana’s 2012 Coastal Master Plan, the City of New Orleans’ Master Plan, and the Greater New Orleans Urban Water Plan: Integrated Flood Protection and Building Resilient Communities  
Mark Davis, Tulane University

A Louisiana Story (Room 201-202)  
(78 minutes)

3:00 pm – 3:30 pm  Afternoon Break with Refreshments (Exhibit Hall)

3:30 pm – 5:00 pm  Session Block III

Local Economic Resilience (Room 203-204)  
Moderator: Stephanie Powell, NWF

3:35 pm – 4:00 pm  Backyard Gardens and After-School Crabbing: The Importance of Subsistence in Community and Culture in Coastal Louisiana  
Shana Walton, NSU

4:00 pm – 4:25 pm  Where Will Boaters Dock? Information to Increase Post-Storm Resilience of the Commercial Fishing Sector in Vermilion Bay  
Lauren Land, Louisiana SeaGrant

4:25 pm – 4:50 pm  Title Forthcoming  
Author Forthcoming

WIFI Room (Room 205)

Private and Public Adaptations to a Changing Climate (Panel Discussion) (Room 206)  
Moderator: Torbjörn Törnqvist, Tulane University

Panelists: Virginia Burkett, USGS, Robin Barnes, GNO, Inc., Cynthia McHale, Ceres, and Karim Belhadjali, CPRA
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Stop by Exhibit Booth #7 to learn more or contact David Eley, PE or Charlie Eustis, PE, Principals in our Baton Rouge office.
National Flood Insurance Program (Room 207)
Moderator: Taylor Marshall, The Water Institute

3:35 pm – 4:00 pm  The NFIP Program: Program Overview and Fallout from the 2012 Reform Act
Patricia Skinner, LSU AgCenter

4:00 pm – 4:25 pm  Building a Coalition for Sustainable Flood Insurance
Michael Hecht, GNO, Inc.

4:25 pm – 4:50 pm  Addressing Concerns of BW-12 through the Community Rating System (CRS)
Monica Teets Farris, UNO

Planning for Large River Diversions I (Room 208-209)
Moderator: Wes Leblanc, CPRA

3:35 pm – 4:00 pm  Innovative Approach to Future Conditions Basin-Side Modeling for Diversion Projects: LCA Medium Diversion at Myrtle Grove with Dedicated Dredging Project
Mark Hammons, FTN Associates

4:00 pm – 4:25 pm  Feasibility Studies for Large-Scale Mississippi River Sediment Diversions
Jenni Schindler, C. H. Fenstermaker

4:25 pm – 4:50 pm  Hydrodynamic and Sediment Transport Modeling using FLOW-3D for Siting and Optimization of the LCA Medium Diversion at White Ditch
Hugh Roberts, Arcadis

Vegetation Changed: Past, Present, and Future (Room 210)
Moderator: Jenneke Visser, University of Louisiana at Lafayette

3:35 pm – 4:00 pm  Redefining Salinity Regimes for Wetland Vegetation along the Louisiana Coast
Whitney Broussard, University of Louisiana at Lafayette

4:00 pm – 4:25 pm  Changes in Distribution of Common Plant Species in Coastal Louisiana: 1997-2013
Jenneke Visser, University of Louisiana at Lafayette

4:25 pm – 4:50 pm  Modeling Louisiana's Coast Plant Communities
Scott Duke-Sylvester, University of Louisiana at Lafayette

Watersheds and Water Quality (Room 211-212)
Moderator: Marisa Escudero, Land Trust for Louisiana

3:35 pm – 4:00 pm  Water Quality of Lake Pontchartrain during Bonnet Carré Spillway Diversion and Non-Diversion Years
Scott Mize, USGS

4:00 pm – 4:25 pm  Decadal Trends in Nutrient Input from Four Major Rivers in Southwest Louisiana to the Gulf of Mexico
Songjie He, LSU, Student Presenter

4:25 pm – 4:50 pm  Total Organic Carbon Loading from Louisiana’s Four Major Coastal Watersheds to the Gulf of Mexico
Songjie He, LSU, Student Presenter
A Louisiana Story (Room 201-202)
(78 minutes)

5:00 pm - 7:00 pm Opening Reception (Exhibit Hall)

WEDNESDAY, MARCH 19, 2014

7:00 am – 8:30 am Registration (Entrance Hall)

8:30 am – 10:00 am Session Block IV

Citizen Participation in Coastal Restoration Moderator: (Room 203-204)
Moderator: Derek Brockbank, Mississippi River Delta Campaign

8:35 am – 9:00 am Citizen-led Monitoring of Barataria Basin Impacts and Restoration
Scott Eustis, Gulf Restoration Network

9:00 am – 9:25 am Citizen Science Group Provides in situ Data and Enhanced
Experiences for NASA DEVELOP Interns
Ross Reahard, UNO, Student Presenter

9:25 am – 9:50 am Barataria Lafitte Stakeholder Engagement Process
Corey Miller, Coalition to Restore Coastal Louisiana

WIFI Room (Room 205)

Fisheries (Room 206)
Moderator: Patricia Strayer, Battelle

8:35 am – 9:00 am Development and Adaptation of the CASM to Evaluate Food Web
Dynamics and Species Responses in Barataria Basin
Shaye Sable, Dynamic Solutions

9:00 am – 9:25 am Title Forthcoming
Author Forthcoming

9:25 am – 9:50 am Larval Crab Distribution in the Gulf of Mexico
Sarah Giltz, Tulane University, Student Presenter

Oil Spill: Droplets to Landscape (Room 207)
Moderator: Jenneke Visser, ULL

8:35 am – 9:00 am Putting the Canary Back in the Coal Mine: Crickets and Ants in the
Saltmarshes Post Macondo Blowout
Linda Hooper-Bui, LSU

9:00 am – 9:25 am Dispersant Effect in Enhancing the Droplet and Particle Formation
by Bursting Bubbles
Paria Avij, LSU, Student Presenter

9:25 am – 9:50 am Extent and Degree of Shorline Oiling in Louisiana 2010-2013:
Deepwater Horizon Oil Spill
Scott Zengel, Atkins
Coastal Wetlands Restoration on Private Lands

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Planning for Large River Diversions II (Room 208-209)
Moderator: Susan Testroet-Bergeron, USGS

8:35 am – 9:00 am  A Quantitative Comparison of Modeling Approaches for Simulating Land Building Processes from River and Sediment Diversions
Clinton Willson, The Water Institute of the Gulf

9:00 am – 9:25 am USACE Status of Evaluating and Permitting Lower Mississippi River Diversions
Mark Wingate, USACE

Angelina Freeman, CPRA

Faunal Ecology and a Changing Environment Moderator (Room 210)
Moderator: Paul Leberg, University of Louisiana at Lafayette

8:35 am – 9:00 am Potential Impacts of Sea-Level Rise on the Migration Ecology of Shorebirds on the Northern Gulf of Mexico
Jessica Henkel, Tulane University, Student Presenter

9:00 am – 9:25 am Predicting the Impacts of River Diversions and Sea-level Rise on Eastern Oyster Growth and Production
Hongqing Wang, USGS

9:25 am – 9:50 am March Management and Bird Responses in southern Vermilion Parish, LA
Erik Johnson, National Audubon Society

Deltaic Biogeochemistry (Room 211-212)
Moderator: Estelle Robichaux, EDF

8:35 am – 9:00 am Nutrient Biogeochemistry during the Early Stages of Development in the Mississippi River Deltaic Floodplain
Robert Twilley, Louisiana SeaGrant

9:00 am – 9:25 am Practical Examples of Integrated Ecosystem Modeling - When Water, Sediment, Vegetation, Climate and Man Meet
Luca Sittoni, Deltares

9:25 am – 9:50 am Modeling Primary Production in a Turbid Estuary
Bas Maren, Deltares

My Louisiana Love (Room 201-202)
(64 minutes)

10:00 am– 10:30 am  Morning Break with Refreshments (Exhibit Hall)

10:30 am – 12:00 pm  Session Block V

Community Resilience (Room 203-204)
Moderator: Natalie Peyronnin, Environmental Defense Fund
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>10:35 am</td>
<td><strong>Sharing Perspectives on Social Science: Best Practices for Gulf Coast Restoration</strong>.&lt;br&gt;&lt;br&gt;Jeffrey Buchanan, The Nature Conservancy</td>
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<td>11:00 am</td>
<td><strong>CPRA Coastal Community Resiliency Program</strong>&lt;br&gt;&lt;br&gt;Melanie Saucier, CPRA</td>
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<td>11:25 am</td>
<td><strong>Assessing the Potential for Cost-Effective Nonstructural Risk Reduction in Coastal Louisiana</strong>&lt;br&gt;&lt;br&gt;David Johnson, RAND Corporation</td>
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<td><strong>TNC Decision Support Tool Workshop (Room 205)</strong>&lt;br&gt;&lt;br&gt;Nicole Love, TNC, Lauren Land, Louisiana SeaGrant, Bryan Piazza, TNC</td>
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<td>10:35 am</td>
<td><strong>Blue Carbon (Panel Discussion) (Room 206)</strong>&lt;br&gt;&lt;br&gt;Moderator: Robert Twilley, Louisiana SeaGrant&lt;br&gt;&lt;br&gt;Panelists: Sarah Mack, Tierra Resources, Steven Emmott Mattox, RAE, Bryan Perez, CH2M Hill</td>
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<td>11:00 am</td>
<td><strong>Oil and Gas Impacts (Room 207)</strong>&lt;br&gt;&lt;br&gt;Moderator: Aaron Bass, CH2M Hill</td>
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<td>10:35 am</td>
<td><strong>Community Resilience and Oil Spills in Coastal Louisiana</strong>&lt;br&gt;&lt;br&gt;Craig Colten, The Water Institute of the Gulf</td>
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<td>11:00 am</td>
<td><strong>Historical Dynamics of the Pipeline Canal and Land Loss Controversy</strong>&lt;br&gt;&lt;br&gt;Jason Theriot</td>
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<td>11:25 am</td>
<td><strong>Regressional Analysis Supports Using Models to Determine NRDA Claims for Small Coastal Oil Spills</strong>&lt;br&gt;&lt;br&gt;Dwight Dunk, CDM Smith</td>
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<td><strong>Permitting (Panel Discussion) (Room 208-209)</strong>&lt;br&gt;&lt;br&gt;Moderator: Tony Risko, URS&lt;br&gt;&lt;br&gt;Panelists: Mike Turner, USACE, Bren Haase, CPRA, Martin Maher, USACE</td>
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<tr>
<td>10:35 am</td>
<td><strong>Barrier Island Ecology and Restoration (Room 210)</strong>&lt;br&gt;&lt;br&gt;Moderator: Mark Hester, University of Louisiana at Lafayette</td>
</tr>
<tr>
<td>11:00 am</td>
<td><strong>Pelican Reproductive Ecology on Barrier Islands: Considerations for Restoration</strong>&lt;br&gt;&lt;br&gt;Paul Leberg, University of Louisiana at Lafayette</td>
</tr>
<tr>
<td>11:00 am</td>
<td><strong>Influence of Barrier Island Loss on the Distribution and Survival of Brown Pelicans in Coastal Louisiana</strong>&lt;br&gt;&lt;br&gt;Kristin Wakeland, University of Louisiana at Lafayette, Student Presenter</td>
</tr>
<tr>
<td>11:25 am</td>
<td><strong>Evaluation of Louisiana Barrier Shoreline Restoration Strategies and its Applicability in Damage Assessment</strong>&lt;br&gt;&lt;br&gt;Michael Poff, Coastal Environment Consultants</td>
</tr>
<tr>
<td>10:35 am</td>
<td><strong>Geochemical Response (Room 211-212)</strong>&lt;br&gt;&lt;br&gt;Moderator:</td>
</tr>
<tr>
<td>11:00 am</td>
<td><strong>A Fluorometer-Based Method for Determination of Biochemical Oxygen Demand</strong>&lt;br&gt;&lt;br&gt;Zhen Xu, LSU AgCenter, Student Presenter</td>
</tr>
</tbody>
</table>
EXPERIENCE GAINED.

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11:00 am – 11:25 am  The Human-Mediated Flow of Phosphorus in Louisiana’s Dynamic Coastal Landscape
Eric Roy, LSU, Student Presenter

11:25 am – 11:50 am Long-Term Dynamics of Dissolved Oxygen in a Coastal Plain Shallow Lake
Zhen Xu, LSU AgCenter, Student Presenter

My Louisiana Love (Room 201-202)
(64 minutes)

1:30 pm – 3:00 pm Session Block VI

Creating Resilient Coastal Communities (Room 203-204)
Moderator: Craig Colten, The Water Institute of the Gulf

1:35 pm – 2:00 pm Strategies for Building Community Resiliency
Jeffrey Carney, LSU

2:00 pm – 2:25 pm Building Resilience Community by Community
Pam Jenkins, UNO

2:25 pm – 2:50 pm Influences on Community Resilience: An Examination of Population Return to New Orleans Post-Katrina
Margaret Reams, LSU

TNC Decision Support Tool Workshop (Room 205)
Nicole Love, TNC, Lauren Land, Louisiana SeaGrant, Bryan Piazza, TNC

Barrier Shoreline Restoration (Room 206)
Moderator: Brad Miller, CPRA

1:35 pm – 2:00 pm Caminada Headland Beach and Dune Restoration, the First Use of Ship Shoal Sand for Restoration
Brad Miller, CPRA

2:00 pm – 2:25 pm Cameron Parish Shoreline Restoration
Bill Feazel, CPRA

2:25 pm – 2:50 pm Compactional Subsidence and Barrier Island Restoration: Caminada-Moreau Headland Subsidence Study
Mark Byrnes, Applied Coastal Research & Engineering

Social Effects of Deepwater Horizon (Room 207)
Moderator: Brian Marks, LSU

1:35 pm – 2:00 pm Variability in the Socioeconomic Effects of the BP Oil Spill: Ethnographic Findings from Gulf Coast Communities by Place and Economic Sector
Brian Marks, LSU

2:00 pm – 2:25 pm Living Amid Uncertainty: Social Effects of the Deepwater Horizon Disaster
Monique Verdin

2:25 pm – 2:50 pm Finding Patterns and Drawing Conclusions: The Challenges of
Measuring Social Effects  
Diane Austin, University of Arizona

Diversions: Basin-Side (Room 208-209)  
Moderator: Denise Reed, The Water Institute of the Gulf

1:35 pm – 2:00 pm  Morphodynamic Assessment of Sediment Diversions  
Ehab Meselhe, The Water Institute of the Gulf

2:00 pm – 2:25 pm  Consolidation and Suspension Properties of Mud from Lake Lery and Relevance to Wetland Restoration  
Edward Lo, LSU, Student Presenter

2:25 pm – 2:50 pm  Tree Production and Growth in Tidal Swamps and the Operation of the Davis Pond Diversion during the Deepwater Horizon Incident  
Beth Middleton, USGS

Living Shorelines (Room 210)  
Moderator: Jesse Noel, Stanley Consultants, Inc.

1:35 pm – 2:00 pm  Evaluating the Shoreline Protection Functioning of Three Divergent Constructed Oyster Reef Structures in Terrebonne Bay, Louisiana  
Glen Curole, CPRA

2:00 pm – 2:25 pm  Establishing Design Criteria: Living Shorelines  
Matt Campbell, Coastal Harbor & Engineering

2:25 pm – 2:50 pm  Living Shoreline Demonstration Project-Analysis of Concept Performance  
Josh Carter, Coastal Harbor & Engineering

Planning Large Hydrological Restorations (Room 211-212)  
Moderator: Wes Leblanc, CPRA

1:35 pm – 2:00 pm  Calcasieu Salinity Control Measures  
Austin Feldbaum, CPRA

2:00 pm – 2:25 pm  Houma Navigation Canal (HNC) Lock Complex  
Kenneth Bahlinger, CPRA

2:25 pm – 2:50 pm  Increase Atchafalaya Flow to Terrebonne  
Austin Feldbaum, CPRA

Water Like Stone (Room 201-202)  
(87 minutes)

3:00 pm – 3:30 pm  Afternoon Break with Refreshments (Exhibit Hall)

3:30 pm – 5:00 pm  Session Block VII

The Master Plan’s Dark Matter: the Non-Structural Program (Panel Discussion)  
(Room 203-204)  
Moderator: Craig Colten, The Water Institute of the Gulf

Panelists: Mike Blum, Tulane University, Scott Hemmerling, The Water Institute of the Gulf, Christopher Dalbom, Tulane University, Josh Lewis, Tulane University, and Mark Davis, Tulane University
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WIFI Room (Room 205)

Borrow Site Morphology (Room 206)
Moderator: Rudy Simoneaux, CPRA

3:35 pm – 4:00 pm  Morphological Modeling of Mississippi River Sediment Borrow Sites
Santiago Alfageme, Moffatt & Nichol

4:00 pm – 4:25 pm  Changes in Channel Bar Morphology and Sediment Infilling Rates in Response to Dredging within the Lower Mississippi River
Brendan Yuill, The Water Institute of the Gulf

4:25 pm – 4:50 pm  Borrow Area Monitoring and Management (BAMM) Program for Coastal Restoration in Louisiana
Syed Khalil, CPRA

Storm Surge Prediction and Impact (Room 207)
Moderator:

3:35 pm – 4:00 pm  Delft3D Modeling of Hurricane-Induced Surge and Waves in Coastal Louisiana
Kelin Hu, LSU

4:00 pm – 4:25 pm  Surge Barrier Impact on Salinity in Vermilion Bay
Justin Shaw, C.H. Fenstermaker

4:25 pm – 4:50 pm  Analysis of Storm Surge and Wave Reduction by Restoration Projects in Barataria Basin, Louisiana
Haihong Zhao, Arcadis

LCA Mississippi River Hydrodynamic and Delta Management Study I (Room 208-209)
Moderator: Cherie Price, USACE

3:35 pm – 4:00 pm  Field Observations in Support of Modeling Salt Wedge Dynamics and Lateral Sand Bar Dynamics in the Lower Mississippi River in Louisiana
Mead Allison, The Water Institute of the Gulf

4:00 pm – 4:25 pm  Field Data Collection Effort under the Mississippi Hydro Project
Thad Pratt, USACE

4:25 pm – 4:50 pm  MRHDMS Data Delivery and Visualization on LCA.GOV
Craig Conzelmann, USGS

Technological Innovations for Shoreline Protection (Room 210)
Moderator:

3:35 pm – 4:00 pm  Inventing Coastlines: The Patented Technologies of Artificial Marine Habitats and Coastal Infrastructure
Richard Hindle, LSU

4:00 pm – 4:25 pm  Development of an Interactive Suspended Wave Screen as a Shoreline Protection Alternative to Rock with Applicability in Weak Soils
Josef Hoffman, Royal Engineering

4:25 pm – 4:50 pm  Assessment of Oyster Reed Development on Fabricated Gabion
State of the Coast

Mats, A-Jacks and ReefBlks at CWPPRA Project TE-45, Terrebonne Bay, Four Years Post Construction
Earl Melancon, NSU

Restoration Management (Room 211-212)
Moderator: Lynette Cardoch, MWH Global

3:35 pm – 4:00 pm  Adaptive Management of the Central Terrebonne Marshes
Marc Johnson, FTN Associates

4:00 pm – 4:25 pm  The Big Picture: An Analysis of Institutional Structures
Estelle Robichaux, EDF

4:25 pm – 4:50 pm  Large-scale Coastal Restoration of Salt Marshes and Tidal Flat Ecosystems along the Arabia Gulf: Applying Principals of Adaptive Management
Jacqueline Michel, Research Planning, Inc.

Water Like Stone (Room 201-202)  
(87 minutes)

5:00 pm – 6:00 pm  Happy Hour Poster Session (Entrance Hall)

THURSDAY, MARCH 20, 2014

8:30 am – 10:00 am  Session Block VIII

Planning Tools for Community Resilience and Stormwater Management
(Room 203-204)
Moderator: Pam Jenkins, UNO

8:35 am – 9:00 am  Town of Jean Lafitte and Lafourche Parish Comprehensive Resiliency Plans
Jeannette Dubinin, CPEX

9:00 am – 9:25 am  Planning and the Pursuit of Resilience in Post-Katrina Louisiana: An Examination of Parish-level Attitudes and Actions
Betsy Paille, LSU

9:25 am – 9:50 am  Leveraging GIS Tools and Existing Data to Develop a Master Stormwater Plan for Lafourche Parish
Marc Johnson, FTN

WIFI Room (Room 205)

Sediment Management: Borrow and Fill (Room 206)
Moderator: Rudy Simoneaux, CPRA

8:35 am – 9:00 am  Evaluation of Settling Velocity of Fine-Grained Dredged Sediments Used in Coastal Restoration Projects
Gregory Mattson II, UNO, Student Presenter

9:00 am – 9:25 am  Shoaling Analysis of the Calcasieu Ship Channel Loop Pass
Mitch Andrus, Royal Engineering

9:25 am – 9:50 am  Utilizing Mississippi River Sediment as a Renewable Coastal
Wetlands and Waves I (Room 207)
Moderator: Tonja Koob, Gaea Consultants

8:35 am – 9:00 am  Numerical Modeling of Surface Waves over Submerged Flexible Vegetation  
Ling Zhu, LSU, Student Presenter

9:00 am – 9:25 am  Simulation of Storm-Surge Flood on Coastal Wetlands using the Immersed Boundary Method  
Ning Zhang, McNeese University

9:25 am – 9:50 am  Probability Distribution of Wave Heights Attenuated by Salt Marsh Vegetation during Tropical Cyclone  
Ranjit Jadhav, FTN Associates

LCA Mississippi River Hydrodynamic and Delta Management Study II  
(Room 208-209)
Moderator: Barbara Kleiss, USACE

8:35 am – 9:00 am  Geomorphic Assessment of the Lower Mississippi River, Old River to Head of Passes  
David Biedenharn, Biedenharn Group

9:00 am – 9:25 am  Adaptive Hydraulics-SEDLIB Modeling of the Riverside Impacts of Sediment Diversions in the LMR  
Gary Brown, USACE

9:25 am – 9:50 am  One-dimensional Sedimentation Modeling of the Lower Mississippi River Response to Proposed Sediment Diversions  
Ronald Heath, USACE

Stakeholder Partnerships (Room 210)
Moderator: Nicole Love, TNC

8:35 am – 9:00 am  The Southwest Coastal LA Feasibility Study: A Reluctant Partnership  
Norwyn Johnson, CPRA

9:00 am – 9:25 am  EPA Urban Waters Program: Reconnecting Urban Communities to Their Waterways  
Danny Wiegand, EPA

9:25 am – 9:50 am  Louisiana’s Water Innovation Cluster: Is It Ready for Global Competition?  
Stephen Picou, Horizon Initiative Water Committee

International Perspectives on Coastal Restoration (Room 211-212)
Moderator: Mel Landry III, NOAA

8:35 am – 9:00 am  Tracer Technology: A Tool for Understanding Sediment Transport Processes and Determining Pathways, Rate and Fate of Transport in Coastal Environments  
Jonathan Marsh, ETS Worldwide Unlimited

9:00 am – 9:25 am  International Barrier Island and Beach Restoration Experiences  
Adam Hosking, CH2M Hill
9:25 am – 9:50 am  Reestablishing Tidal Channel Ecological Functions: Learning from the Large-Scale Restoration Program along the Arabian Gulf Coastline
   Linos Cotsapas, Research Planning, Inc.

Beasts of the Southern Wild (Room 201-202) (93 Minutes)

10:00 am – 10:30 am  Morning Break with Refreshments (Exhibit Hall)

10:30 am – 12:00 am  Session Block IX

Coastal Resilience: Individual and Community Options (Room 203-204)
Moderator: Robert Gramling, University of Louisiana at Lafayette

10:35 am – 11:00 am  Complexities of Resilience: Adaptation and Change within Human Communities of Coastal Louisiana
   Conner Bailey, Auburn University

11:00 am – 11:25 am  Loss and Adaptation following the BP Oil Spill: Community Cohesion and Social Networks
   JoAnne DeRouen, University of Louisiana at Lafayette

11:25 am – 11:50 am  The Making of an Inherently Resilient Community: How Drilling for Oil and Oystermen First Collided
   Audrey Maass, LSU, Student Presenter

EverView Data Visualization Tool Workshop (Room 205)
Craig Conzelmann, USGS-NWRC, Kevin Suir, USGS-NWRC

Dredge (Panel Discussion) (Room 206)
Moderator: John Headland, Moffatt & Nichol
Panelists: Bill Hanson, Great Lakes Dock and Dredge, Chuck Broussard, Weeks Marine, Inc., Russ Joffrion, CPRA

Waves and Wetlands II (Room 207)
Moderator:

10:35 am – 11:00 am  Wind Effects on Nonlinear Interactions of Shallow Water Waves
   Ke Liu, LSU, Student Presenter

11:00 am – 11:25 am  Passing Vessel Effects on Shorelines and Wetlands
   Erin Rooney, HDR

11:25 am – 11:50 am  Advancements in Hurricane Storm Surge Modeling Utilizing the ADCIRC Model
   Zachary Cobell, Arcadis

LCA Mississippi River Hydrodynamic and Delta Management Study III (Room 208-209)
Moderator: Carol Parsons

10:35 am – 11:00 am  Three-Dimensional Hydrodynamic and Sediment Transport
Modeling of the Lower Mississippi River below the Bonnet Carré Spillway
Joao Pereira, The Water Institute of the Gulf

11:00 am – 11:25 am Numerical Modeling of Sediment Diversions in the Lower Mississippi River
Ehab Meselhe, The Water Institute of the Gulf

11:25 am – 11:50 am Hydrodynamics and Salinity Modeling in the Lowermost Mississippi River and Delta
Ioannis Georgiou, UNO

Perspectives on Large-Scale Restoration (Room 210)
Moderator: Angelina Freeman, CPRA

10:35 am – 11:00 am The Atchafalaya River Basin: State of the Science and Opportunities for Conservation and Restoration
Bryan Piazza, TNC

11:00 am – 11:25 am Keys to Building a Successful Adaptive Management Program
Stuart Appelbaum, Arcadis

11:25 am – 11:50 am Changing Course
Clinton Willson, The Water Institute of the Gulf

CPRA Monitoring Initiatives (Room 211-212)
Moderator: Richard Raynie, CPRA

10:35 am – 11:00 am Louisiana's Coastwide Reference Monitoring System-Wetlands (CRMS)
Dona Weifenbach, CPRA

11:00 am – 11:25 am Louisiana's Barrier Island Comprehensive Monitoring Program (BICM): Past, Present, and Future
Darin Lee, CPRA

11:25 am – 11:50 am System-Wide Assessment and Monitoring Program
Richard Raynie, CPRA

Beasts of the Southern Wild (Room 201-202) (93 minutes)

1:30 pm – 3:00 pm Session Block X

Human and Neighborhood Scale Adaptation (Room 203-204)
Moderator: Stephanie Powell, NWF

1:35 pm – 2:00 pm Influences on Household and Community-Level Mitigation Efforts and Adaptations to Coastal Hazards in Louisiana
Emily Gootee, LSU, Student Presenter

2:00 pm – 2:25 pm Accessing and Interpreting Coastal Restoration
Amanda Moore, NWF

2:25 pm – 2:50 pm Retrofitting Communities through Planning and Design to be More Resilient
Patrick Michaels, LSU

EverView Data Visualization Tool Workshop (Room 205)
Craig Conzelmann, USGS-NWRC, Kevin Suir, USGS-NWRC
Emergent Deltas I (Room 206)  
Moderator: James Pahl, CPRA  
1:35 pm – 2:00 pm  Hydrodynamic Energy Regimes in the Wax Lake  
Chunyan Li, LSU  
2:00 pm – 2:25 pm  Long-term Wetland Surface Changes in the Atchafalaya Delta  
Guerry Holm, CH2M Hill  
2:25 pm – 2:50 pm  Productivity and Resilience in the Plant Community of the Wax Lake Delta and Adjacent Mainland Marshes  
Melissa Carle, LSU  

Hurricane Sediment Transport (Room 207)  
Moderator: Tonja Kook, Gaea Consultants  
1:35 pm – 2:00 pm  The Sedimentary Signature of Hurricane Isaac in Coastal Wetlands along the Western Edge of Lake Pontchartrain  
Kam-biu Liu, LSU  
2:00 pm – 2:25 pm  Shelf Sediment Transport during Hurricanes Katrina and Rita  
Kehui Xu, LSU  
2:25 pm – 2:50 pm  A Hurricane Impact History of Frenier Louisiana from Sedimentary Processes  
Gregory Keller, LSU, Student Presenter  

Tools for Visualizing the Lower Mississippi River (Room 208-209)  
Moderator: Alisha Renfro, NWF  
1:35 pm – 2:00 pm  The Expanded Small Scale Physical Model of the Lower Mississippi River  
Rudolph Simoneaux, Coastal Protection and Restoration Authority  
2:00 pm – 2:25 pm  Demystifying the Sediment Diversion: Visualizing Precedent, Intervention, and Predicted Results  
Jeffrey Carney, LSU  
2:25 pm – 2:50 pm  River Diversions: Mineral Sediment Input and Marsh Loss  
Ronnie Paille, USFWS  

2017 Master Plan Modeling Presentations (Room 210)  
Moderator: Jenneke Visser, University of Louisiana at Lafayette  
1:35 pm – 2:00 pm  2017 Model Improvement Plan Overview  
Mandy Green, CPRA  
2:00 pm – 2:25 pm  Incorporating New Processes: Sediment Distribution and Marsh Edge Erosion  
Alex McCorquodale, University of New Orleans  
2:25 pm – 2:50 pm  Coastal Louisiana Barrier Island Morphology Modeling: A Hybrid Approach  
Michael Poff, Coastal Engineering Consultants  

Mapping and Modeling Coastal Change (Room 211-212)  
Moderator: Margaret Reams, LSU  
1:35 pm – 2:00 pm  Persistence and Change – Mapping Community Resilience in
State of the Coast

Coastal Louisiana, 1930-2010
Scott Hemmerling, The Water Institute

2:00 pm – 2:25 pm A Method for Knowledge Integration and Mapping to Inform and Enhance Future Coastal Planning and Implementation Efforts
Matthew Bethel, Louisiana SeaGrant

2:25 pm – 2:50 pm Modeling Land Use and Land Cover Changes in Coastal Louisiana Using Artificial Neural Network
Yi Qiang, LSU

Beasts of the Southern Wild (Room 201-202) (93 minutes)

3:00 pm – 3:30 pm Afternoon Break with Refreshments (Exhibit Hall)

3:30 pm – 5:00 pm Session Block XI
Designing and Adaptations to Changing Environments (Room 203-204)
Moderator: Joanne Derouen, University of Louisiana at Lafayette

3:35 pm – 4:00 pm From Boat-to-Fork: Lessons Learned from Market-Based Adaptation in Delcambre
Candace May, University of Louisiana at Lafayette

4:00 pm – 4:25 pm Community Elevation: A Case Study of Delcambre, LA
Bob Gramling, University of Louisiana at Lafayette

4:25 pm – 4:50 pm Adaptive Land and Water Management on the Coast: From Agriculture to Aquaculture in Pecan Island, LA
Kari Smith, University of Louisiana at Lafayette

WIFI Room (Room 205)
Emergent Deltas II (Room 206)
Moderator: Angelina Freeman, CPRA

3:35 pm – 4:00 pm Spatial and Seasonal Variability of Sediment Respiration and Nutrient Fluxes in a Developing Subdelta: the Wax Lake Delta Atchafalaya River Delta Estuary
Ciara Chambers, LUMCON, Student Presenter

4:00 pm – 4:25 pm Tidal Modulated Flow and Sediment Flux through Wax Lake Delta Distributary Channels: Implications for Delta Development
Kevin Hanegan, Student Presenter

4:25 pm – 4:50 pm Sediment Distribution in the Wax Lake Delta-Marshlands: Implications to River Diversions
Harry Roberts, LSU

Wave Reduction (Room 207)
Moderator:

3:35 pm – 4:00 pm An Assessment of the Performance of Raccoon Island Breakwater Projects
Glen Curole, CPRA

4:00 pm – 4:25 pm Measurement of Wave-Induced Current Velocity in Salt Marsh of Terrebonne Bay, LA
Arash Karimpour, LSU
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Tiffany Ragan, Customer Service Specialist
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4:25 pm – 4:50 pm Investigation of Relationship between Wave Power and Shoreline Retreat in Terrebonne Bay, Southern Louisiana
Kyle Parker, LSU, Student Presenter

Restoration Lessons from the Geological Record (Room 208-209)
Moderator:

3:35 pm – 4:00 pm Using the Late Holocene Stratigraphic Record to Guide Mississippi Delta Restoration
Zhixiong Shen, Tulane University

4:00 pm – 4:25 pm Using the Late Holocene Stratigraphic Record to Guide Mississippi Delta Restoration: Constraining Subdelta Progradation Rates
Elizabeth Chamberlain, Tulane University, Student Presenter

4:25 pm – 4:50 pm Eco-Geomorphologic Evolution of the Brazos River Delta in the last 10,000 years: A Case Study of the Texas Upper Coast
Juan Moya, Atkins

2017 Master Plan Modeling (Room 210)
Moderator: Natalie Peyronnin, Environmental Defense Fund

3:35 pm – 4:00 pm Improving Fish and Wildlife Predictions
Denise Reed, The Water Institute of the Gulf

4:00 pm – 4:25 pm Developing Future Uncertainty Scenarios
Ehab Meselhe, The Water Institute of the Gulf

4:25 pm – 4:50 pm Extended Audience Questions on Integrating Approaches for the 2017 Coastal Master Plan

Measuring Success of Coastal Restoration (Room 211-212)
Moderator: Jeff Carney, LSU

3:35 pm – 4:00 pm Assessing Coastal Community Resilience in Louisiana and the Netherlands: Conceptual and Methodological Challenges
Ryan Kirby, LSU, Student Presenter

4:00 pm – 4:25 pm Restoring Freshwater Wetlands – Keeping Saline Waters at Bay for LaBranche
Maarten Kluijver, Moffatt & Nichol

4:25 pm – 4:50 pm A Legal & Cost Analysis of Rapid Land-Building Technologies in the Netherlands and Louisiana
Megan Biven

Filmmaking and the Role of the Arts in Coastal Protection and Restoration (Panel Discussion) (Room 201-202)
Film: Can’t Stop the Water (38 minutes)
Moderator: Mike Pasquier, LSU
Panelists: Glen Pitre, Zack Godshall, Casey Coleman, Rebecca Ferris, Monique Verdin
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Booths 61 & 62
POSTER PRESENTATIONS

POSTER LOCATIONS

ADAPTIVE MANAGEMENT

1. Implications of Beach Restoration on Piping Plover (Charadrius melodus) on the Caminada Headland Beach and Dune Restoration Project
   Delaina LeBlanc, Barataria-Terrebonne National Estuary Program

10. Developing Coastal Wetland Management on the Chenier Plain using Geospatial Analysis of Natural and Anthropogenic Land Change
    D. Stephen Nevitt II, University of Louisiana at Lafayette - Student Presenter

BARRIER ISLANDS AND SHORELINES

11. Monitoring Coastal Erosion at Near-Shore Structures in Southwest Louisiana
    Amit Sharma, McNeese State University - Student Presenter

COMMUNITY RESILIENCE

13. Shrink NOLA to Save NOLA
    Ian Brown, Louisiana State University - Student Presenter

15. Art + the Louisiana Coast
    Shelby Doyle, Louisiana State University
17. Integrating Natural Infrastructure into Urban Coastal Resilience: Howard Beach, New York City
   Luce Bassetti, CH2M Hill

20. Coastal Forest Conservation for Ecosystem Benefits and Community Resilience Honora Buras, Coastal Protection and Restoration Authority

22. Coastal Resiliency: From Agriculture to Aquaculture Melissa Chapman, University of Louisiana at Lafayette - Student Presenter

**DEEPWATER HORIZON OIL SPILL**

23. Potential Effects of 2010 Deepwater Horizon Oil Spill on Denitrification Rates of Louisiana Coastal Wetland Soil Jason Pietroski, Louisiana State University - Student Presenter

24. Physiological Recovery of Smooth Cordgrass (Spartina alterniflora Loisel) in Barataria Bay after Deepwater Horizon Oil Spill Noble Opusunju, Xavier University - Student Presenter

25. Near Real-Time Determination of Volatile Organic Compounds in Air and Water Samples Associated with Dispersed Crude Oil Parichehr Saranjampour, Louisiana State University - Student Presenter

**DIVERSIONS**

26. Wildlife and Fisheries Responses to Diversions David Lindquist, Coastal Protection and Restoration Authority

27. River Diversions as a Component of Louisiana’s Integrated Master Plan, and Potential Effects of Diversion Flows on Receiving Basins James Pahl, Coastal Protection and Restoration Authority

30. Sustainability of Wetland Soils and Vegetation Receiving Diversion Flows James Pahl, Coastal Protection and Restoration Authority

31. Constructed and Proposed Diversions, Spillways, and Siphons in South Louisiana Carol Parsons-Richards, Coastal Protection and Restoration Authority

32. West Bay Sediment Diversion: Review of Design, Progress and Effects Erin Plitsch, Coastal Protection and Restoration Authority

33. Water Quality in Adjacent Open Water Bodies Receiving Diversion Inflows Richard Raynie, Coastal Protection and Restoration Authority

34. Land Building from the Delivery of River Sediments to Interdistributary Basins Brian Vosburg, Coastal Protection and Restoration Authority

35. Do Constructed Crevasses Obey Delta Laws? Implications for the Restoration of the Mississippi River Delta Tara Yocum, University of New Orleans - Student Presenter
36. Wetland Vegetation Dynamics and Ecogeomorphology in the West Bay Diversion, LA
Alex Ameen, Tulane University

HISTORICAL / CURRENT STATUS OF COASTAL RESOURCES

40. MRHDMS Data Delivery & Online Visualization
Craig Conzelmann, U.S. Geological Survey National Wetlands Research Center

41. Emergent Wetlands Status and Trends in the Northern Gulf of Mexico: 1950-2010
Kate Spear, U.S. Geological Survey National Wetlands Research Center

42. Coastal Vegetation Types in Louisiana in 2013
Jenneke Visser, University of Louisiana at Lafayette

HURRICANES

43. Hurricane IKE (2008) Simulation Experiment using WRF
Linlin Cui, Louisiana State University - Student Presenter

44. Characterization of Historic Sedimentation and Coupled Natural-Human Dynamics in a Vulnerable Region of Coastal Louisiana
Jonathan Lambert, Louisiana State University - Student Presenter

45. Storm Surge Effects on the Distribution of Salinity in the Wetland Soils of Coastal Marshes in the Wax Lake Delta, LA
Morgan McKee, Louisiana State University - Student Presenter

INNOVATIVE TOOLS

46. Shoreline Green Infrastructure - The Next Generation of Resilient Techniques
Ed Morgereth, Biohabitats, Inc.

47. Engineered Oyster Reef Breakwaters on the Gulf Shoreline of Louisiana
Tyler Ortego, ORA Estuaries/Wayfarer Environmental Technologies

Nicholas McCoy, University of Louisiana at Lafayette - Student Presenter

51. CPRA Research Support
Summer Langlois, Coastal Protection and Restoration Authority

53. Development of Spartina spartinae Lines for Improved Seed Production and Viability for Restoration Along the Gulf Coast
Garret Thomassie, U.S. Department of Agriculture Natural Resources Conservation Service
54. Vegetative Releases for Beach, Marsh, and Estuary Restoration in South Louisiana
   Garret Thomassie, U.S. Department of Agriculture Natural Resources Conservation Service

55. Louisiana Coastal Protection and Restoration Authority Coastal Information Management System (CIMS)
   Charles Villarubia, Coastal Protection and Restoration Authority

   Bernard Wood, Coastal Protection and Restoration Authority

57. Optimizing the Design of Shoreline Protection to Reduce Marsh Edge Erosion for Louisiana Coastal Protection and Restoration
   Agnimitro Chakabarti, Louisiana State University - Student Presenter

60. Legal Aspects of Wetland Creation and Carbon Capture for Coastal Louisiana
   Casey Pickell, Louisiana State University - Student Presenter

64. An Examination of Various Socio-Economic Indicators in a Louisiana Oyster Fishery
   Jason Shackelford, SWCA Environmental Consultants

56. Effects of Invasive Fire Ant Establishment and Subsequent Treatment on Brown Pelican Nest Success in the Gulf of Mexico
   Brock Geary, Tulane University - Student Presenter

66. Analytical Data Tools Employed by Louisiana’s Coastwide Reference Monitoring System-Wetlands
   Thomas McGinnis, Coastal Protection and Restoration Authority

67. The Effect of Beach Nourishment on Piping plovers (*Charadrius melodus*) and Infaunal Invertebrate Communities on Louisiana Barrier Islands
   Jessica Schulz, University of Louisiana at Lafayette - Student Presenter

LESSONS LEARNED

61. USACE Mitigation at Manchac Wildlife Management Area
   Getrisc Coulson, U.S. Army Corps of Engineers

62. Bayou LaBranche Wetland Creation (PO-17): What Have We Learned From Two Decades of Monitoring?
   Danielle Richardi, Coastal Protection and Restoration Authority

63. Elevation Change in a Sediment-Slurry Amendment Restoration Site in Port Fourchon, LA
   Scott Jones, University of Louisiana at Lafayette - Student Presenter

LIVING RESOURCES AND MONITORING

64. An Examination of Various Socio-Economic Indicators in a Louisiana Oyster Fishery
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67. The Effect of Beach Nourishment on Piping plovers (*Charadrius melodus*) and Infaunal Invertebrate Communities on Louisiana Barrier Islands
   Jessica Schulz, University of Louisiana at Lafayette - Student Presenter
70. Salinity and Fertilization Effect on Growth and Biomass of Typha domingensis
   Bobby Wells Soukanh, University of Louisiana at Lafayette - Student Presenter

71. Assessment of the Habitat Value and Edge Effect of Different Wetland Restoration
    Techniques for Waterbirds in Southeastern Louisiana
    Lauren Sullivan, Louisiana State University - Student Presenter

72. Management and Economic Implications of Oyster Harvest Areas in Louisiana
    Morgan Taylor, Louisiana State University - Student Presenter

73. Coastal Ecology of Louisiana Carnivores
    Mirka Zapletal, University of Louisiana at Lafayette - Student Presenter

96. Alternative Bait for the Louisiana Commercial Blue Crab (Callinectes sapidus) Fishery
    Nikki Anderson, Louisiana State University - Student Presenter

**PHYSICAL AND ECOSYSTEM MODELING**

74. Cloud Cover, Water Quality, and Spatial Analysis: Enhancements to a Mechanistic
    Model of Light Dynamics and Phytoplankton Growth in Little Vermillion Bay
    Rifat Alam, University of Louisiana at Lafayette - Student Presenter

75. Study on Effectiveness of Protection and Restoration Strategy in the Coastal Area
    of Louisiana
    Minhaz Shahriar, Louisiana Tech University - Student Presenter

76. Modeling the Effects of Hypoxia on Fish Movement in the Gulf of Mexico
    Hypoxic Zone
    Elizabeth LaBone, Louisiana State University - Student Presenter

77. Preliminary Investigation of Uncertainties in Future Conditions of Exogenous
    Environmental Factors used in the Master Plan Predictive Models
    Selina Jahan Sumi, University of Louisiana at Lafayette - Student Presenter

**REGIONAL SEDIMENT MANAGEMENT**

80. Application of LASARD to Large Scale Modeling in MRHDMS Project
    Andrew Crabb, BEM Systems, Inc.

81. Regional Surficial Sediment Distribution Map, Offshore Louisiana
    Syed Khalil, Coastal Protection and Restoration Authority

82. The Impacts of Different Sediment Sources on the Sedimentation in Calcasieu
    Ship Channel
    Adam Oler, McNeese State University - Student Presenter

**RIVER & DELTA DYNAMICS**

83. Eighty-Year Variability of River Discharge from the Mississippi-Atchafalaya River
    System (MARS) and the Amite River to the Gulf of Mexico
    Ivan Prock, Louisiana State University - Student Presenter
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   Mead Allison, The Water Institute of the Gulf |
| 85. | Louisiana Coastal Zone Research and Mapping by the Louisiana Geological Survey  

   Paul Heinrich, Louisiana Geological Survey |
| 86. | LCA Mississippi River Hydrodynamic and Delta Management Study – One and Multi-Dimensional Modeling  

   Ehab Meselhe, The Water Institute of the Gulf |
| 87. | On the Amount of Sediment Deposited in Floodplains from the Mississippi River: A Case Study in Cat Island National Wildlife Refuge, Louisiana  

   Matthew Smith, Louisiana State University - Student Presenter |
| 90. | Buried Distributaries as a Conduit for Groundwater Flow in Barataria Bay, Louisiana  

   Alexander Breaux, Louisiana Universities Marine Consortium - Student Presenter |
| 91. | Using the Late Holocene Stratigraphic Record to guide Mississippi Delta Restoration: Sediment Budget of a Relict Natural River Diversion  

   Christopher Esposito, Tulane University - Student Presenter |
| 92. | Using the Late Holocene Stratigraphic Record to guide Mississippi Delta Restoration: Rates of arbon Sequestration  

   Krista Jankowski, Tulane University - Student Presenter |
| 93. | Patterns of Sediment Accumulation over Decadal Timescales in the Breton Sound Basin  

   James Smith, Louisiana State University - Student Presenter |
| 94. | Influences of Hurricanes, Floods, and Organic Production on River-Delta Evolution  

   Crawford White, Louisiana State University - Student Presenter |

### WATER QUALITY

| 97. | A Watershed Education: Water Quality Monitoring and GIS Analysis on Bayou Vermilion  

   Claire Coussan, University of Louisiana at Lafayette - Student Presenter |
| 100. | Water Quality Impacts Overtime due to Changes in Land Use  

   Justin Shaw, C. H. Fenstermaker & Associates |
| 102. | Heavy Metal Transport in the Lower Calcasieu River Basin, Southwest Louisiana  

   Kaci Fisher, Louisiana State University - Student Presenter |
| 104. | Heavy Metal Transport and Retention in the Atchafalaya River  

   Kaci Fisher, Louisiana State University - Student Presenter |
| 106. | The Occurrence of Stratification Induced Hypoxia near the Chandeleur Islands, LA: Insights into Physical Controls  

   Jeremy Henley, University of New Orleans - Student Presenter |
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