NCER 2018

National Conference on Ecosystem Restoration

Building connections from the local to the landscape scale

August 26 - 30, 2018 | New Orleans, Louisiana, USA

www.conference.ifas.ufl.edu/ncer2018

Sunday, August 26, 2018

3:00pm-7:00pm

Conference Registration Opens and Poster Presenters and Sponsors Move-In Displays

[Acadia Ballroom - Level 3]

Monday, August 27, 2018

7:30am-5:30pm

Conference Registration Open

[Acadia Ballroom Foyer -Level 3]

7:30am-8:30am

Early Morning Refreshments in Poster & Sponsor Display Area

[Acadia Ballroom - Level 3]

8:30am-5:00pm

Opening Plenary Session

[Mardi Gras Ballroom - Salons D & E - Level 3]

8:30am Welcome & Introductions

Matt Grabau, Conference Co-Chair, US Fish & Wildlife Service, Tucson, AZ, and, President, Large Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration,

Ryan Clark, Conference Co-Chair, Research Scientist, The Water Institute, and Immediate Past President, Large Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration, Baton Rouge, LA

8:45am Gulf of Mexico Plenary Session Introduction and Overview

Nicholas G. Aumen, Regional Science Advisor - South Florida, Center for Collaborative Research, US Geological Survey, Davie, FL

Brittany M. Bernik, Science Policy Fellow - NASEM Gulf Research Program, Gulf Coast Ecosystem Restoration Council, New Orleans, LA

Plenary Session: Gulf of Mexico - Defining Restoration Success from the Local to National Level

A series of four panels will focus on a different aspect or component of restoration in order to address the following question from multiple angles: Gulf Ecosystem Restoration - What Does Success Look Like? Panelists represent a diverse cross-section of disciplines including scientists, decision-makers, restoration planners, and funders, from the Gulf Region and across the nation. This series is designed to provoke new ideas by engaging audience participants and facilitating dialogue among panel experts, furthering our understanding of restoration challenges, lessons-learned, and future opportunities. In keeping with the broader conference theme, what successful ecosystem restoration looks like will be examined from the local to national level, with a focus on identifying, measuring, achieving and communicating restoration goals. These discussions will also explore how restoration in the Gulf is influenced by work done elsewhere and how lessons learned in the Gulf might apply to other regions.

Panel Session Agenda:

9:00am - 10:15am	Panel 1: Restoration Planning for Success
10:15am - 10:45am	REFRESHMENT BREAK
10:45am - 12noon	Panel 2: How Do You Assess Cumulative Effects of Regional Restoration Efforts and Evaluate Success?
12noon - 1:30pm	Lunch on Own
1:30pm - 2:45pm	Panel 3: Integrating Restoration Science and Decision-Making
2:45pm - 3:15pm	REFRESHMENT BREAK
3:15pm - 4:30pm	Panel 4: The Future of Restoration
4:30pm - 5:00pm	Keynote: ***Susanne M. Torriente,*** Assistant City Manager and Chief Resiliency Officer, City of Miami Beach, FL

Susanne Torriente will present the closing keynote address at the end of the Gulf of Mexico-themed plenary session - Gulf Ecosystem Restoration: What Does Success Look Like? As the Chief Resiliency Officer in a city tackling the challenges of sea level rise head on, Susanne will talk about the scale and complexity of scaling resilience planning and action at a city, county and regional level; as well as fully integrating resilience thinking into an organization's corporate culture and strategic budget process.

5pm - 6pm

Welcome Networking Social

[Poster & Sponsor Display Area - Acadia Ballroom - Level 3]

	Tuesday, August 28, 2018
8:00am-5:30pm	**Conference Registration Open** [Acadia Ballroom Foyer - Level 3]
8:00am-9:00am	**Early Morning Refreshments in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]
9:00am-10:00am	**Plenary Session** [Mardi Gras Ballroom - Salons D & E - Level 3] **Moderator:** ***Matthew C. Harwell,*** Special Assistant to the Immediate Office, Gulf Ecology Division , National Health and Environmental Effects Research Laboratory, US EPA, Office of Research and Development , Gulf Breeze FL **Presentation:** ***Barry Gold,*** Environment Program Director, Walton Family Foundation **Adaptive Management Planning and Implementation in Ecological Restoration: Opportunities & Challenges** A changing climate is forcing individuals, communities, businesses and governments to adapt. More frequent and more severe storms, prolonged droughts, and rising seas are among the challenges we all must confront as a "new normal" where we are working. This new approach is certainly true for those of us involved in coastal restoration. Barry Gold will talk about how the Walton Family Foundation is adapting its strategies, approaches and measures of success in the face of a changing climate, and what this means for the larger issue of the restoration of coastal wetlands across the Gulf of Mexico.
10:00am-10:30am	**Morning Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]

Tuesday, August 28, 2018

Concurrent Sessions — 10:30am - 12:00noon [Mardi Gras Ballroom - Level 3]

	Salon D	Salon E	Salon F&G	Salon A&B	Salon H	Salon C
	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
	Restoration of 30,000 Acres of Habitat: Science or Science Fiction?	**Current Challenges for Ecosystem Restoration in Today's Economic and Political Landscape**	**Stakeholder Engagement Part 1: Collaboration to Achieve Landscape-Scale Objectives**	**Building Resilient Urban Coastal Environments and Communities through Science Based Eco-engineering**	**Emerging Eco-engineering and Seed Enhancement Technologies to Combat Land Degradation**	**Tools and Strategies for Informed Decision Making**
	Darcy Austin Delta Stewardship Council Sacramento, CA	**Natalie Peyronnin** Environmental Defense Fund, Washington, DC	**John Tull** U.S. Fish and Wildlife Service Reno, NV	**Shimrit Perkol-Finkel** ECOncrete Tech Ltd Tel Aviv, Israel	**Todd Erickson** Univ. of Western Australia|Kings Park Science, Perth, Western Australia	**Jeff Trulick** US Army Corps of Engineers Washington, DC
10:30am	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
10:40am	**Darcy Austin** Delta Stewardship Council Developing an Adaptive Management Program for California EcoRestore	**Brett Berkley** GreenVest, LLC Developing and Leveraging a Public-Private Partnership for A Large-Scale Stream and Wetland Restoration on Federal Property	**Bethany Carl Kraft** Volkert, Inc. Can Every Stakeholder Feel Heard in Large-Scale, Multi-Resource Programs? Lessons From the Gulf of Mexico	**Shimrit Perkol-Finkel** ECOncrete Tech Ltd Bringing Concrete to Life: Harnessing Biological Processes for Building Resilient Coastal Infrastructure	**David Merritt** Department of Biodiversity, Conservation and Attractions Addressing Limitations to Seed Recruitment in Large Scale Restoration	**Maggie Christman** Delta Stewardship Council Linking Science to Decision-Making Through Synthesis and Communication in California's Sacramento-San Joaquin Delta
11:00am	**Campbell Ingram** Sacramento-San Joaquin Delta Conservancy Regional Restoration Planning: a Case Study in Collaborative Restoration Science and Planning	**Mindy Simmons** US Army Corps of Engineers Ecosystem Restoration for the US Army Corps of Engineers in a Changing "Climate"- a National Perspective	**Rob Campellone** U.S. Fish and Wildlife Service The ICASS Platform: Nine Principles for Landscape Conservation Design	**Mart Black** Terrebonne Parish Consolidated Government Promoting Resiliency through Science-Based Eco-Engineering in a Coastal Louisiana Parish	**Matthew Madsen** Brigham Young University Use of Seed Enhancement Technologies for Overcoming Abiotic and Biotic Limitations to Native Plant Establishment	**Douglas Norton** EPA Informing Gulf Coast (DWH-NRDA) Ecological Restoration Options with the Recovery Potential Screening Tool
11:20am	**Rosemary Hartman** California Department of Fish and Wildlife Evaluating Restoration Effectiveness: a Tidal Wetland Monitoring Framework for California's Sacramento-San Joaquin Delta	**Simone Maloz** Restore or Retreat Financing Louisiana's Coast	**Aimee Roberson** American Bird Observatory Dos Ríos Conservation Collaborative: A Stakeholder-Driven Approach to Achieving Landscape-Scale Objectives	**Tyler Ortego** ORA Technologies Let the Oysters Do the Work: A Proposal for Creating Truly Biogenic Structures for Resilience and Restoration	**Travis Sowards** Brigham Young University Efficacy of Abscisic Acid (ABA) in Delaying Germination of *Pseudoroegneria spicata* to Reduce Seeding Failure in Sagebrush-steppe Restoration Efforts	**Kate Buenau** Pacific Northwest National Laboratory Missouri River Restoration: Science and Decision Strategies for Long-Term Recovery
11:40am	**Ramona Swenson** Environmental Science Associates (ESA) Early Implementation: Lessons Learned from the Tule Red Restoration Project)	**Kathleen Sullivan Sealey** University of Miami Hurricanes, Coastal Restoration and Climate Finance for Small Island Developing States: Study of the Bahamas	**John Tull** U.S. Fish and Wildlife Service Results-Oriented Grazing for Ecological Resilience: A Case Example of Co-Producing Conservation-Based Outcomes on Working Lands in the Great Basin	**Leslie Suazo** Ducks Unlimited, Inc. Powerful Partnerships Promote Community Resilience – The Role of NGOs in Coastal Louisiana	**Todd Erickson** Uni. of Western Australia / Kings Park Science Recent Advancements in Restoration-engineering and Seed Enhancement Technologies for Use in Mine Rehabilitation	**Auriel Fournier** Mississippi State University Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making
12noon-1:30pm	**Lunch on Own**					

Tuesday, August 28, 2018

Concurrent Sessions — 1:30pm - 3:00pm [Mardi Gras Ballroom - Level 3]

	Salon D	Salon E	Salon F&G	Salon A&B	Salon H	Salon C
	Session 7	Session 8	Session 9	Session 10	Session 11	Session 12
	Maximizing Wetland functions from Restoration Dollars when Constructing Wetlands from Dredged Material: Part 1	**Integrating Independent Science Review through the Adaptive Management Cycle**	**Stakeholder Engagement Part 2: Development and Communication of Landscape-Scale Adaptation Strategies**	**Ecosystem Restoration as a Tool for Enhancing Resiliency**	**Challenges and Changes in the Missouri River Recovery Program**	**The Apalachicola Regional Restoration Initiative: Restoring the Apalachicola River and Bay**
	John Andrew Nyman Louisiana State University Agricultural Center Baton Rouge, LA	**Todd Caplan** GeoSystems Analysis, Inc Albuquerque, NM	**Genevieve Johnson** Bureau of Reclamation Boulder City, NV	**Eric Sparks** Mississippi State University Biloxi, MS	**Mark Harberg** USACE, Missouri River Recovery Program Senior Program Manager Omaha, NE	**Jason Drake** *and* **Paul Medley** National Forests in Florida Tallahassee, FL
1:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
1:40pm	**Gregg Fell** Natural Resource Professionals, LLC Privately Funded Marsh Creation Utilizing Dredge Material from the Mississippi River	**Tiffany Vanosdall** USACE, Omaha District Use of Independent Science Review to Improve Science and Collaboration During Development and Implementation of Adaptive Management on the Missouri River	**Rebekah Gibble** US Fish and Wildlife Service Using Stakeholder Engagement, Translational Science and Decision Support Tools for Ecosystem Based Management in the Florida Everglades	**Michael Burton** Stantec Consulting Services Planning and Designing Resilient Shoreline Stabilization Solutions – Case Study: Three Sisters Springs	**Craig Fleming** USACE, Integrated Science Program Evolution of Adaptive Management for the Missouri River Recovery Program	**Brian Pelc** The Nature Conservancy The Apalachicola Regional Restoration Initiative: Principles of Partnership
2:00pm	**Leigh Anne Sharp** Coastal Protection and Restoration Authority (CPRA) Louisiana State University Lessons Learned from Marsh Creation Vegetation Monitoring – Assessing the Need For Plantings and Regional Variation in Vegetation Establishment	**Steve Bousquin** South Florida Water Management District The Role of Independent Science Review in Restoration Evaluation, Planning, Implementation, and Adaptive Management for the Kissimmee River Restoration Project	**Scott Hemmerling** The Water Institute of the Gulf Incorporating Local Knowledge into Ecological Restoration Assessments – Case Studies in Coastal Louisiana	**Cathleen Wigand** US EPA Salt Marsh Sustainability in New England: Progress and Remaining Challenges	**Eric Laux** USACE, Omaha District How to Deal with Uncertainty and Objectives: Pallid Sturgeon Case Study	**Amy Jenkins** Florida Natural Areas Inventory Historic Natural Community Mapping and Rare Plant Surveys in the Apalachicola Region
2:20pm	**Paul Leberg** University of Louisiana at Lafayette Influences of Coastal Island Restoration on Seabird Populations and Their Nest Predators	**Edmund Yu** Delta Science Program, Delta Stewardship Council Adaptively Managing the California Delta: The Use of Independent Review	**Kristen Bouska** U.S. Geological Survey A Resilience Assessment of the Upper Mississippi River System	**Thomas Ries** Environmental Science Associates An Assessment of Living Shorelines/Natural Infrastructure Solutions - Towards Improving Ecosystem Resiliency	**Mike Snyder** USACE, Kansas City District Walking the Tightrope: Balancing Certainty of Action for ESA Compliance and Scientific Uncertainty through Adaptive Management on the Missouri River	**John Hogland** USFS Rocky Mountain Research Station Estimating Characteristics of Forests in the Apalachicola Region Using Remotely Sensed Imagery and Field Samples
2:40pm	**Haoran Liu** Louisiana State University Sediment Transport and Infilling Processes of Dredge Pits on the Louisiana Shelf	**Scott VanderKooi** US Geological Survey The Role of Independent Science Review in Adaptive Management of the Colorado River in Grand Canyon	**Genevieve Johnson** Bureau of Reclamation A Lessons-Learned Toolbox for Collaborative Conservation and Adaptation Strategies	**Matthew Starr** Stantec Consulting Services Keys to Planning, Designing and Permitting Resilient Coastal Restoration Projects	**Mary Roth** USACE, Northwest Division Missouri River Recovery Program Adaptive Management Governance and the Collaborative Process	**Colin Stief** Chesapeake Conservancy, Conservation Innovation Center Collaborative Planning for Apalachicola Restoration in High Resolution
3:00pm-3:30pm	**Afternoon Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]					

Tuesday, August 28, 2018

Concurrent Sessions — 3:30pm - 5:00pm [Mardi Gras Ballroom - Level 3]

	Salon D	Salon E	Salon F&G	Salon A&B	Salon H	Salon C
	Session 13	Session 14	Session 15	Session 16	Session 17	Session 18
	Maximizing Wetland functions from Restoration Dollars When Constructing Wetlands from Dredged Material: Part 2	**Use of Ecological Expertise for Communicating Sound Management Advice**	**Stakeholder Engagement Part 3: Community Engagement to Inform Planning and Maintain Project Support**	**A Multi-Discipline and Multi-Benefit Approach for Improving Natural Systems in the Greater Toronto Area**	**Gulf Coast Restoration Challenges and Opportunities**	**Coastal Restoration on Long Island: Getting to Scale**
	Leigh Anne Sharp Coastal Protection and Restoration Authority Lafayette, LA	**Rebecca Allee** National Oceanic and Atmospheric Administration Stennis Space Center, MS	**Cary Ehrman** Ramboll Columbus, OH	**John Stille** Toronto and Region Conservation Toronto, Ontario	**Chris Warn** Environmental Science Associates (ESA) Sarasota, FL	**Stuart Lowrie** The Nature Conservancy on Long Island East Hampton, NY
3:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
3:40pm	**Mike Carloss** Ducks Unlimited Beneficial Use of Dredged Material – A Texas Project Case Study with Public/Private Partnership Benefits and Future Plans	**Panelists:** **Ruth Carmichael** Dauphin Island Sea Lab **Renee Collini** Northern Gulf of Mexico Sentinel Site Cooperative **Kelly Darnell** Gulf Coast Research Laboratory, University of Southern Mississippi **Kathy Goodin** NatureServe The purpose of this panel is to open a dialogue about communicating ecosystem science to natural resource managers and other decision-makers. Panelist will discuss the inclusion of stakeholders throughout project conception and implementation and the transition of ecological knowledge to coastal managers to help identify suitable restoration sites and improve coastal resiliency. Panelists will discuss how data and new science can be integrated into daily decision-making processes at the local and regional levels.	**Gabriela González-Olimón** Sonoran Institute A Community Meets a River: the Colorado River Delta Restoration Project	**John Stille** Toronto and Region Conservation Authority Integrated Restoration Prioritization: A Strategic Tool for Improving Natural Systems in the Greater Toronto Area	**Doug Robison** Environmental Science Associates (ESA) Overview of the RESTORE Act State Expenditure Plan for the State of Florida	**Stuart Lowrie** The Nature Conservancy on Long Island, East Hampton, NY The Critical Path to Achieve Coastal Restoration on Long Island
4:00pm	**Irving Mendelssohn** Louisiana State University Controls on Successful Marsh Restoration with Dredged Sediment-Slurries		**Daniel Halsey** SouthWoods Ecosystems Visualizing Strategy for Stakeholder Engagement and Buy-In	**Ralph Toninger** Toronto and Region Conservation Utilizing Collaborative Regional Based Prioritization to Garner Support and Funding for Restoration Implementation Programming	**Roberta Swann** Mobile Bay National Estuary Program Using Science to Engage Communities in Restoring Alabama's Coast	**Mary Anne Taylor** CDMSmith Coastal Restoration On Long Island: Assessing The Nitrogen Problem
4:20pm	**Thomas McGinnis** Coastal Protection and Restoration Authority Dredged Material Settlement from Marsh Creation Projects Conducted in Coastal Louisiana		**Matthew Harwell** US EPA Decision Support Tools as Opportunities for Engagement and Communication	**John DiRocco** Toronto and Region Conservation Reach Based Restoration Construction Practices: Successes and Lessons Learned from Decades of Implementation	**Brett Geesey** HDR Engineering, Inc. Keeping up with the Tide - Restoration Design Considerations in the Soft Soils of Coastal Louisiana	**Chris Clapp** The Nature Conservancy on Long Island Implementation: Technology and Funding
4:40pm	**John Andrew Nyman** Louisiana State University Agricultural Center Created Marshes Could Support More Fish and Crustaceans If They Were Designed with Lower Elevation and More Edges		**Cary Ehrman** Ramboll US Corporation Case Study: Consulting Local Communities to Assess Impacts and Promote Awareness and Participation, Port of Port Moresby Relocation, Port Moresby, Papua New Guinea	**Patrick Esson** Toronto and Region Conservation Determining Practical Key Performance Measures for Ecological Restoration Practitioners: Challenges and Considerations	**Juan Moya** Freese and Nichols Recent Coastal Geomorphological Changes of the Old Brazos River Delta: Morphodynamic Processes Affecting Habitat Adaptations	**Holly Drinkuth** The Nature Conservancy in Connecticut Replicating for Greater Impact: Adapting for Success in Long Island Sound
5:00pm - 6:00pm	**Special Plenary Session:** **Join us for Two Meetings of the Society for Ecological Restoration** [Mardi Gras Ballroom - Salon D - Level 3]					

Tuesday, August 28, 2018

5:00pm - 6:00pm	**Special Plenary Session:** **Join us for Two Meetings of the Society for Ecological Restoration** [Mardi Gras Ballroom - Salon D - Level 3]
5:00pm - 5:30pm	**Certified Ecological Restoration Practitioner (CERP) Q&A Session** **Moderator:** ***Jennifer Lyndall,*** SER Certification Program Coordinator All NCER attendees are invited to attend this meeting to learn more about SER's ecological restoration practitioner certification program that encourages a high professional standard for those who are designing, implementing, overseeing, and monitoring restoration projects throughout the world.
5:30pm - 6:00pm	**Annual Meeting of SER's Large-Scale Ecosystem Restoration Section (LERS)** **Moderator:** ***Matt Grabau,*** LERS President All NCER attendees involved in large scale restoration are invited to attend this session and learn how you can collaborate with the best and brightest from across the globe to advance ecosystem restoration. LERS provides a forum for exchanging ideas, approaches, lessons learned, and data relevant to the planning, policy, science, and engineering of large-scale ecosystem restoration programs. ***Be sure to join us!***
6:00pm	**Evening on Own**

	Wednesday, August 29, 2018
8:00am-5:30pm	**Conference Registration Open** [Acadia Ballroom Foyer - Level 3]
8:00am-9:00am	**Early Morning Refreshments in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]
9:00am-10:00am	**Plenary Session** [Mardi Gras Ballroom - Salons D & E - Level 3] **Moderator:** ***Darcy Austin*** *,* Program Manager II, Delta Science Program, Delta Stewardship Council, Sacramento, CA **Presentation:** ***Peter Goodwin,*** President, UMCES **Integrating Science into Decision Making: Linking River Management and Coastal Restoration** Water quality and quantity have broad impacts including ecosystem health, agricultural and fishery resources, and quality of life. Environmental managers face challenges from estimating effectiveness of restoration practices, competing stakeholder requests, and potentially high financial and societal costs. Peter Goodwin will speak about his experiences applying ecohydraulic (linkages between physical processes, management actions, and ecological responses) principles while serving as the Lead Scientist for the California Delta Science Program as well as a former member of the CALFED Independent Science Board.
10:00am-10:30am	**Morning Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]

Wednesday, August 29, 2018

Concurrent Sessions — 10:30am - 12:00noon [Mardi Gras Ballroom - Level 3]

	Salon D	Salon E	Salon F&G	Salon A&B	Salon H	Salon C
	Session 19	**Session 20**	**Session 21**	**Session 22**	**Session 23**	**Session 24**
	Data Management Best Practices for Ecological Restoration	**Approaches to Demonstrating the Cumulative Effects of Large-Scale Ecosystem Restoration**	**Drones 101: An Introduction to Drones as a Restoration Tool**	**Engaging Non-traditional Partners in Restoration Projects**	**Chesapeake Bay Adaptive Management and Decision-making**	**Use of Models in Ecosystem Restoration**
	Judith Schofield GDIT, Alexandria, VA *and* **Louis Blume,** USEPA, Chicago, IL	**Heida Diefenderfer** *and* **Gary Johnson** Pacific Northwest National Laboratory Sequim, WA	**Joe Baustian** The Nature Conservancy Baton Rouge, LA	**Kim Reyher** Coalition to Restore Coastal Louisiana Baton Rouge, LA	**Mike Chotkowski** US Geological Survey Sacramento, CA	**Mike Burton** Stantec Sarasota, FL
10:30am	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
10:40am	**Robert Sutter** GDIT A Future For Data: An Overview of Data Management for Analysis, Decision-making and Reuse	**Panelists:** **Kate E. Buenau** Pacific Northwest National Laboratory **Andrew J. Loschiavo** U.S. Army Corps of Engineers-Jacksonville District **Gregory D. Steyer** U.S. Geological Survey **Elene Trujillo** Puget Sound Partnership Panelists representing the Florida Everglades, Gulf Coast, Missouri River and Puget Sound will discuss emerging methods that large-scale ecosystem restoration programs nationwide are developing to evaluate cumulative effects of multiple restoration actions at ecosystem and landscape scales.	**Session Description:** Unmanned aerial vehicles, or drones, are becoming increasingly popular tools in the research and restoration community, but how useful are they really? This session gives an overview of drone technology, operation principles, applicable laws, equipment costs, limitations, training and learning curves and usefulness of this technology for research and restoration professionals.	**Helen Rose Patterson** National Wildlife Federation A Rabbi, A Priest and An Imam Get on Boat: Engaging the Faith Community in Louisiana's Land Loss Crisis	**Mike Chotkowski** US Geological Survey Using Decision Support Relationships to Improve Ecosystem Management	**Leonard Pearlstine** Everglades National Park Probabilistic Simulation of Vegetation Dynamics in the Everglades Vegetation Succession Model (ELVES)
11:00am	**Craig Palmer** GDIT The Role of Data Management in Quality Assurance of Ecological Restoration Data			**Samantha Carter** National Wildlife Federation Cooking Up the Coast: How Chefs Can Help Restoration Efforts	**David Goshorn** Maryland Department of Natural Resources The Chesapeake Bay Partnership's Strategy Review System: Developing an Adaptive Management System for Restoring the Chesapeake Bay	**Zhonglong Zhang** LimnoTech, ERDC Environmental Laboratory An Integrated HEC-RAS and Riparian Vegetation Simulation Module System and Its Application to the Sacramento River
11:20am	**Brick Fevold** GDIT A Data Management Plan Template for Ecological Restoration and Monitoring			**John O'Donnell** Lake Pontchartrain Basin Foundation Improving Water Quality through Intensive Community Engagement	**Laura Drescher** US EPA Is It Working? Evaluating Successes and Challenges in Implementing Adaptive Management in the Chesapeake Bay Program Partnership	**Andrew Guzzomi** University of Western Australia Restoration-Engineering – A Blended Science-Engineering Model
11:40am	**Todd Redder** LimnoTech Application of Data Management and Decision Support Tools to Support Coastal Wetland Management in the Laurentian Great Lakes		**Whitney Broussard** JESCO, Inc. Mapping Coastal Land Use, Elevation, and Wetland Vegetation with UAS (Drone) Imagery	**Corey Miller** Coalition to Restore Coastal Louisiana Managing Natural Resource Conflicts while Implementing Large-Scale Ecosystem Restoration	**Lucinda Power** US EPA A Changing Chesapeake Bay: A New Paradigm for Stakeholder Engagement	**Kevin McIntyre** Jones Research Center Using Wildlife Habitat Models to Evaluate Management Endpoints for Open Pine Woodland and Savanna
12noon-1:30pm	**Lunch on Own**					

Wednesday, August 29, 2018

Concurrent Sessions — 1:30pm - 3:00pm [Mardi Gras Ballroom - Level 3]

	Salon D	Salon E	Salon F&G	Salon A&B	Salon H	Salon C
	Session 25	**Session 26**	**Session 27**	**Session 28**	**Session 29**	**Session 30**
	Approaches to Improve Quality and Reliability of Data Collected for Ecological Restoration Projects	**Measuring Success of Multiple Gulf Coast Restoration Programs: Accountability for Long-Term Success**	**Drones 201: A Primer on Analyzing Drone Data**	**Plant Materials: The Seeds of Restoration**	**Tools for Assessing Ecosystem Services in Restoration: Part 1**	**Changing Hydrologic Conditions**
	Craig Palmer GDIT Alexandria, VA	**David Hanson** HansonRM Blaine, WA	**Dan Staley** Arbor Drone, LLC Aurora, CO	**Matthew Grabau** US Fish and Wildlife Service, Tucson, AZ	**Matt Harwell** USEPA, Gulf Breeze, FL	**Carol Parsons Richards** CPRA Baton Rouge, LA
1:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
1:40pm	**Louis Blume** USEPA Guidance for the Application of Quality Assurance and Quality Control Principles to Ecological Restoration Project Monitoring	**Panelists:** **Lt. Gen. Jeffrey Talley (ret)** **Rost Parsons** NOAA National Centers for Environmental Information **Robert Moorhead** Northern Gulf Institute, Mississippi State University **Buck Sutter** RESTORE Council Expert panelists will discuss innovative approaches to measuring the cumulative success and benefits from multiple restoration programs while focusing on (1) the challenges and opportunities associated with meta-analysis of the massive amount of data generated from DWH settlement activities; and (2) how advancements in technology can be incorporated in the effort to understand overall restoration success when the focus on funding monitoring activities is on project performance.	**Session Description:** This session details what research and restoration professionals need to know when considering how to collect and analyze data with a drone. We'll cover sensors ranging from visual to multispectral, hyperspectral and LiDAR; and, data analysis ranging from laptop programs, cloud-based subscriptions, and data analysis companies. Attendees will also learn issues surrounding data collection in the field, costs of data analysis, and view equipment and data from several widely differing missions.	**Joan Walker** US Forest Service, Southern Research Station Are Seed Collection Zones Needed for Sourcing Plant Materials in Longleaf Pine Ecosystem Restoration?	**Leah Sharpe** US Environmental Protection Agency A Tool for Assessing Ecosystem Goods and Services in Ecosystem Restoration - The Final Ecosystem Goods and Services Scoping Tool	**Jennifer Mouton** CPRA Lowermost Mississippi River Management Program
2:00pm	**Justin Telech** GDIT Project Planning Tools to Improve Data Quality			**R. Alan Shadow** USDA NRCS Longleaf Pine Understory Native Plant Development at The USDA NRCS East Texas Plant Materials Center	**Marc Russell** US Environmental Protection Agency Assessing Ecosystem Services Supply for Restoration Scenarios	**David Tomasko** Environmental Science Associates Ecosystem Restoration Via Reestablishing Historical Tidal Patterns
2:20pm	**Raymond D'Hollander** Parsons Integration of Design Factors into Post-Construction Ecological Restoration QA/QC			**Justin Blake Taylor** Brigham Young University Seed Coating Technologies that Reduce Rodent Granivory during Rangeland Reseeding	**Justin Bousquin** US Environmental Protection Agency Benefit Indicator Tools for Assessing Restoration Projects Based on Who Benefits From Restored Ecosystem Services	**Honora Buras** CPRA Evaluating Future Success of a Freshwater River Re-Introduction to the Floodplain Forests of Maurepas Swamp, Louisiana
2:40pm	**Edward Roseman** USGS Great Lakes Science Center Developing a Science and Monitoring Strategy to Assess Recovery of Fisheries Habitats and Populations in the St. Clair-Detroit River System			**Miriam Muñoz-Rojas** The University of Western Australia Innovative Strategies for Restoring Functionality of Reconstructed Soils in Dry Land	**Kamran Abdollahi** Southern University Agricultural Research and Extension Center Monitoring Urban Forest Structure and Function after Hurricane and Assessing Ecosystem Services for Louisiana Cities	**Fred Sklar** South Florida Water Management District The Everglades: At the Forefront of Transition
3:00pm-3:30pm	**Afternoon Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]					

Wednesday, August 29, 2018

Concurrent Sessions — 3:30pm - 5:00pm [Mardi Gras Ballroom - Level 3]

	Salon F&G	Salon E	Salon A&B	Salon H	Salon C
	Session 31	**Session 32**	**Session 33**	**Session 34**	**Session 35**
	Colorado River Delta Restoration – Insights into Binational Cooperation and Sustainability	**Implementation of Large-Scale River Diversions: Stakeholders' Perspectives**	**Incorporation of Science, Monitoring, and Modeling in System Wide Restoration Planning**	**Hurricanes and Other Extreme Weather Events: How they Impact Ecosystem Restoration Plans**	**Tools for Assessing Ecosystem Services in Restoration: Part 2**
	Peter Skidmore Walton Family Foundation, Denver, CO	**Brad Inman** US Army Corps of Engineers, New Orleans District, LA	**Ann Hijuelos** US Geological Survey New Orleans, LA	**Mike Donahue** AECOM Traverse City, MI	**Deborah January-Bevers** Houston Wilderness Houston, TX
3:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
3:40pm	**Osvel Hinojosa** Pronatura Noroeste Binational Cooperation in Restoring the Colorado River Delta - Stakeholder and Government Engagement Across Borders	**Panelists:** **Bradley Barth** CPRA *An Applicant's Perspective* **Eddy Carter** G.E.C., Inc. *A Contractor's Perspective* **Jeff Varisco** US Army Corps of Engineers, New Orleans District *A Regulatory Agency's Perspective* **Mel Landry** NOAA Restoration Ctr. *A Natural Resource Damage Assessment (NRDA) Trustee's Perspective* To combat coastal land loss, the State of Louisiana is advancing several large-scale sediment diversions on the Mississippi River, including the Mid-Barataria Sediment Diversion. Numerous impacted stakeholders, with competing interests, concerns and/or responsibilities, often envision success, both short and long-term, differently. This session includes the State's, the Corps', and NOAA's (Deep Water Horizon Trustee) visions of success, and the views of a contractor working on the project.	**Julien Lartigue** NOAA RESTORE Science Program Actionable Science in The Gulf of Mexico: Connecting Researchers and Resource Managers	**Tony Williams** Texas General Land Office Coastal Planning in Texas	**Gary Palmer** Griffith University Turning Over a New Leaf: Long-Term Monitoring for Improved Ecological Restoration
4:00pm	**Karen Schlatter** Sonoran Institute Progress and Trends in Restoration Planning and Implementation in the Colorado River Delta		**George Ramseur Jr.** State of Mississippi The LA, MS, AL Coastal System (LMACS) Comprehensive Estuarine Assessment & Restoration Implementation Plan	**Chris Mack** AECOM The South Carolina Floods: Enhancing Community Resiliency with Adaptive Risk Management Strategies	**Eldon Blancher** Moffat & Nichol Calculating Net Ecosystem Service Benefits for the Lightning Point Living Shoreline, Bayou La Batre, Alabama
4:20pm	**Edgar Carrera** The Nature Conservancy Restoration Monitoring - A Spectrum of Questions, Interests, and Audiences		**Ann Hijuelos** US Geological Survey Monitoring and Adaptive Management Manual to Support Integrated Ecosystem Restoration for The Deepwater Horizon Oil Spill	**Christopher Benosky** AECOM Resiliency in Design: the RBD Meadowlands Project	**Matt Gorstein** NOAA Storm Damage Reduction Benefits Of Natural Infrastructure In The Jacques Cousteau Nerr
4:40pm	**Peter Skidmore** Walton Family Foundation Looking Forward: Scale, Sustainability, and Governance Opportunities and Challenges in the Colorado River Delta		**Michelle Meyers** US Geological Survey A Network of Networks: Building Out the Restore Council's Monitoring and Assessment Program	**Denise Reed** University of New Orleans Extreme Events: Obstacles and Opportunities for Large Scale Ecosystem Restoration	**Deborah January-Bevers** Houston Wilderness Connecting Ecosystem Services to Human & Wildlife Resiliency
5:00pm-8:00pm	**Poster Session and Networking Reception** [Acadia Ballroom - Level 3]				

	Thursday, August 30, 2018
8:00am-5:30pm	**Conference Registration Open** [Acadia Ballroom Foyer - Level 3]
8:00am-9:00am	**Early Morning Refreshments in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]
9:00am-10:00am	**Plenary Session** [Mardi Gras Ballroom - Salons D & E - Level 3] **Moderator:** ***Ryan Clark*** , Conference Co-Chair, Research Scientist, The Water Institute, and Immediate Past President, and President, Large Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration, Baton Rouge, LA **Presentation:** ***Mr. Garret Graves,*** Congressman, Louisiana's Sixth Congressional District, Baton Rouge, LA Congressman Garret Graves is a Republican Member of Congress representing Louisiana's Sixth Congressional District. Graves previously served as Louisiana's Chairman of the Coastal Protection and Restoration Authority (CPRA) where he managed one of America's largest civil works programs in history. Under Graves' tenure, Louisiana constructed more flood protection infrastructure and restored more miles of coastline than at any other period of time in the State's history. An expert on multiple topics relevant to NCER 2018, Congressman Graves will share an update about his work in congress, his experience going from State to Federal Government, and his work on subcommittees and the funding he has secured for ecosystem restoration and disaster recovery. His experience with multiple coastal and riverine disasters (hurricanes, oil spill, river floods of 2016, etc.), gives him an insider's view to how important the Mississippi River and its delta are to Louisiana and the nation as a whole. Rivers including the Mississippi, Amite/Comite and Bayou Lafourche, to name a few, can have multiple ecosystem benefits like flood risk reduction in the watersheds themselves, and at the coast where they deliver necessary freshwater, sediment, and nutrients to nourish coastal ecosystems, in addition to reducing nutrient overload to Louisiana's coastal "Dead Zone".
10:00am-10:30am	**Morning Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]

Thursday, August 30, 2018

Concurrent Sessions — 10:30am - 12:00noon [Mardi Gras Ballroom - Level 3]

	Salon F&G	Salon E	Salon A&B	Salon H	Salon C
	Session 36	**Session 37**	**Session 38**	**Session 39**	**Session 40**
	Hydrologic Restoration Part 1: Re-Establishing Ecological Processes in Freshwater Ecosystems	**Public-Private-NGO Partnerships for Enhancing Resilience of the Working Coast via Ecosystem Restoration**	**Ecological Site Descriptions (ESDs): Introduction to a Landscape Restoration Tool**	**Ecosystem Scale Oyster Reef Restoration in the Chesapeake Bay: Lessons in Partnerships and Science to Achieve Results**	**Determining Everglades Ecosystem Restoration Benefits for Projects**
	Matthew Grabau US Fish and Wildlife Service, Tucson, AZ	**Justin Ehrenwerth** The Water Institute of the Gulf, Baton Rouge, LA	**Terrell Erickson** USDA Natural Resources Conservation Service, Washington, D.C.	**Bruce Vogt** NOAA, Annapolis, MD	**Andrew LoSchiavo** U.S. Army Corps of Engineers, Jacksonville, FL
10:30am	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
10:40am	**Nicholas Nelson** Inter-Fluve, Inc. The Ecology of Dam Removal - A National Look at Ecosystem Restoration Challenges and Opportunities for Removal of River Barriers	**<u>Panelists:</u>** **Ian Voparil** Shell **Joni Tuck** Greater Lafourche Port Commission **Simone Maloz** Restore or Retreat **Mead Allison** Tulane University **Leah Brown** Chevron Public-Private-NGO Partnerships (P3+) were formed to combine the resources and expertise of public, private, and NGOs to enhance coastal habitat and provide protection to critical infrastructure and communities, using the dredged material created by port expansion. Advanced science and engineering are being used to optimize the protective and habitat services provided by the restored ecosystems. This approach can serve as a model for collaborative planning and shared funding to construct nature-based defenses for infrastructure and communities.	**Jamin Johanson** USDA Natural Resources Conservation Service Introduction and Overview of Ecological Site Descriptions and their History	**Susan Conner** U.S. Army Corps of Engineers Tributary Scale Oyster Restoration in the Chesapeake Bay: Setting Goals to Drive Partnerships and Collaboration	**Jenna May** U.S. Army Corps of Engineers RECOVER Applied Science Framework Supporting Everglades Restoration Implementation
11:00am	**Lisa Hollingsworth-Segedy** American Rivers Sediment Management for Dam Removal: A Review of Regulations, Guidance, and Best Practices		**Sarah Quistberg** USDA Natural Resources Conservation Service Ecological Site Concepts for Wet Areas	**Andrew McGowan** NOAA Chesapeake Bay Office - ERT Location Matters: Habitat Mapping and GIS Tools Improve Oyster Restoration Siting And Survival	**Michael Simmons** U.S. Army Corps of Engineers RECOVER Evaluation of Restoration Outcomes
11:20am	**Dave Buzan** Freese and Nichols Environmental Flows in Texas: Successes and Lessons Learned		**Stacey Clark** USDA Natural Resources Conservation Service Use of Ecological Site Descriptions for Restoration and Conservation Planning	**David Bruce** NOAA Fisheries Quantifying Ecosystem Services of Restored Oyster Reefs	**Gretchen Ehlinger** U.S. Army Corps of Engineers Assessment of Actual Restoration Benefits
11:40am	**G. Lynn Wingard** US Geological Survey Estimating Pre-20th Century Hydrologic Conditions for Restoration of the Greater Everglades Ecosystem		**Skye Wills** USDA Natural Resources Conservation Service Dynamic Soil Properties in Organic Soils of Southeast Michigan: Case Study in Use of Ecological Site Concepts	**Lauren Taneyhill** ERT, Inc. / NOAA Sustaining Restored Oyster Reefs through Cross-Sector Partnerships	**Howard Gonzales, Jr.** U.S. Army Corps of Engineers Adaptive Management Actions to Improve Restoration Outcomes
12noon-1:30pm	**Lunch on Own**				

Thursday, August 30, 2018

Concurrent Sessions — 1:30pm - 3:00pm [Mardi Gras Ballroom - Level 3]

	Salon F&G	Salon E	Salon A&B	Salon H	Salon C
	Session 41	**Session 42**	**Session 43**	**Session 44**	**Session 45**
	Hydrologic Restoration Part 2: Delivery of Water to the Coast and Managed through-estuary Flows	**Sea Level Rise: Overcoming the Problems of Connecting Science to Management Part 1: Science**	**Local-scale Planning and Implementation of Restoration and Conservation**	**Thin Layer Placement of Dredged Material to Maintain Elevation in Salt Marshes Facing Sea Level Rise**	**Using Restorability and Resilience Concepts in Evaluating and Valuing Ecosystem Service Benefits of Restoration**
	Ryan Clark The Water Institute of the Gulf, Baton Rouge, LA	**Lynn Wingard** U.S. Geological Survey, Reston, VA *and* **Michael Savarese,** Florida Gulf Coast University, Fort Myers, FL	**Alice Bailey** Environmental Consulting and Technology, Inc Ann Arbor , MI	**Damarys Acevedo-Mackey** US Army Engineer Research and Development Center Vicksburg, MS	**Lisa Wainger** Univ of Maryland Ctr Environmental Science Solomons, MD
1:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
1:40pm	**John Callaway** Delta Stewardship Council Advances in Establishing Science-Based Inflow and Outflow Goals in the Sacramento-San Joaquin River Delta	**Donald Cahoon** U.S. Geological Survey Factors to Consider in Developing a Strategic Monitoring Network of Set-Mh Stations in the Northeast United States	**Thomas Ankersen** University of Florida College of Law From Shoreline to State Line: Integrating Marine Resource Restoration, Enhancement and Protection into Local Government Planning Processes	**Elizabeth Murray** US Army Engineer Research and Development Center Maintaining Salt Marshes in the Face of Sea Level Rise: Thin Layer Placement Opportunities, Practice and Challenges	**Kristen Hychka** Univ of Maryland Ctr for Environmental Science Measuring Resilience Derived from Habitat Connectivity to Improve Estimates of Restoration Benefits
2:00pm	**Karen Schlatter** Sonoran Institute Developing a Strategy for Reconnecting the Colorado River with the Sea	**Michael Savarese** Florida Gulf Coast University Sea-Level Rise Rates, Projections, and Effects in Southern Florida: Connecting Science to Natural and Urban Resource Management	**Savanna Barry** UF/IFAS Nature Coast Biological Station Building Consensus, Building A Shoreline: A Stakeholder-Driven Process to Address Erosion Along Cedar Key's Daughtry Bayou	**Christine VanZomeren** US Army Engineer Research and Development Center Soil Biogeochemistry Response Following Thin Layer Placement in a New Jersey Salt Marsh	**Solange Filoso** Univ of Maryland Ctr for Environmental Science Opportunities and Limits for Stream Restoration to Improve Watershed Functions and Increase Resilience
2:20pm	**Sharlene Leurig** Meadows Center for Water and the Environment Market-based Strategies for Ensuring Freshwater Inflows in Texas	**Krista Jankowski** Louisiana Coastal Protection and Restoration Authority and Tulane University Ecosystem Vulnerability in a Changing World: The Case of Coastal Louisiana	**Peter Sheng** University of Florida Adaptation of Coastal Natural and Urban Ecosystems (ACUNE) in SW Florida	**Richard Ambrose** University of California, Los Angeles Soils and Marsh Creek Evolution at a Marsh Augmentation Project in Seal Beach, Ca	**Carolyn Currin** NOAA National Centers for Coastal Ocean Science Measuring the Resilience of Salt Marshes Integrated into Living Shoreline and Other Nature-Based Efforts to Protect Coastal Infrastructure
2:40pm	**Eric White** The Water Institute of the Gulf Ecological Flow Modeling in Louisiana & Texas Estuaries	**Q&A Discussion**	**Shaddi Kamel** Louis Berger Higbee Beach Restoration Project – Restoration Built on the Shoulders of Collaboration	**Susan Bailey** US Army Engineer Research and Development Center Adapting a Model of Sediment Consolidation for Use in Marsh Thin Layer Projects	**Susan Taylor** Abt Associates Building Ecological and Community Resilience and Measuring Success of the Department of Interior Sandy Resilience and Monitoring Projects
3:00pm-3:30pm	**Afternoon Break in Poster & Sponsor Display Area** [Acadia Ballroom - Level 3]				

Thursday, August 30, 2018

Concurrent Sessions — 3:30pm - 5:00pm [Mardi Gras Ballroom - Level 3]

	Salon F&G	Salon E	Salon A&B	Salon H	Salon C
	Session 46	**Session 47**	**Session 48**	**Session 49**	**Session 50**
	Hydrologic Restoration Part 3: Stream and Wetland Restoration in an Urban Environment	**Sea Level Rise: Overcoming the Problems of Connecting Science to Management Part 2: Strategies**	**Drought and Coastal Ecosystems: Monitoring and Modeling Using the Coastal Salinity Index**	**Multiple Benefits of Ecosystem Restoration Via the Beneficial Use of Dredged Material**	**Using Ecosystem Models to Evaluate Restoration Projects and Nature Based Defenses**
	Sharlene Leurig Meadow Center for Water and the Environment at Texas State University, San Marcos, TX	**Lynn Wingard** U.S. Geological Survey, Reston, VA and **Michael Savarese,** Florida Gulf Coast University, Fort Myers, FL	**Kirsten Lackstrom** Carolinas Integrated Sciences & Assessments Columbia, SC	**Mark R. Wingate** US Army Corps of Engineers, New Orleans District, New Orleans, LA	**Ehab Meselhe** *and* **Melissa Baustian** The Water Institute of the Gulf, Baton Rouge, LA
3:30pm	**Introduction**	**Introduction**	**Introduction**	**Introduction**	**Introduction**
3:40pm	**Lynde Dodd** US Army Research and Development Center Flood Protection and Ecosystem Restoration in an Urban Environment: The Dallas Floodway Extension, Dallas, Texas	**Jennifer Jurado** Natural Resources and Management Division, Broward County, FL **John Tirpak** U.S. Fish & Wildlife Service **Denise Reed** University of New Orleans **David Kidwell** NOAA The purpose of this session is to discuss strategies for effectively connecting scientific information on sea level rise to planners and decision makers addressing the impacts of sea level rise on ecosystems and communities. Panel members will discuss tools and methods that have worked, identify information gaps, and areas for improvement. The session will present the perspectives of decision-makers and scientists and will encourage audience participation to identify a path forward.	**Kirsten Lackstrom** Carolinas Integrated Sciences & Assessments Coastal Drought and Need for a Coastal Salinity Index	**Burton Suedel** US Army Engineer Research and Development Center Restoring River Island Habitat in the Atchafalaya River, LA, Using Engineering with Nature Principles	**Dubravko Justic** Louisiana State University Forecasting Gulf of Mexico Hypoxia under Scenarios of Watershed and River Management
4:00pm	**Isaac Hinson** City of Charlotte Storm Water Services Division Consideration of Small-scale Stream and Wetland Restoration Efforts in an Urban Environment		**Matthew Petkewich** USGS Monitoring Drought Along The Gulf Of Mexico and The Southeastern Atlantic Ocean Using the Coastal Salinity Index	**Joseph Berlin** AECOM Evaluation of a Beneficial Use Bank to Promote the Beneficial Use of Federal Dredged Material	**Hongqing Wang** USGS WARC Monitoring and Modeling of Wave and Current Energy Reduction by Living Shoreline Structures in Gandy's Beach, New Jersey
4:20pm	**Sachin Apte** Louis Berger Group New York City Overcomes Ecosystem Restoration Challenges in Current Economic Landscape by Constructing Its First Mitigation Bank as A Means to Restore Degraded Urban Wetlands		**Christopher Swarzenski** USGS Linking the Coastal Salinity Index with Freshwater Inflows to Characterize Salinity Variability in Gulf of Mexico Estuaries	**Jamil Ibrahim** Stantec Consulting Services Strategic Placement of Dredged Sediment to Naturally Accrete in Salt Marsh Systems	**Ehab Meselhe** The Water Institute of the Gulf Working with Local Communities to Develop a Nature-Based Defense Assessment and Solution Tool
4:40pm	**John O'Meara** Environmental Consulting & Technology, Inc. Implementation of Coastal Habitat in The Detroit Area of Concern - Stony and Celeron Islands		**Simeon Yurek** USGS Predicting Long Term Performance and Risk of Oyster Reef Restorations Under Deep Uncertainty in Climate and Management Policy	**Tim Carruthers** The Water Institute Potential Benefits to Wave Attenuation, Sediment Processes, and SAV Habitat from Terrace Restoration (SREDS)	**Gary Brown** US Army Corps of Engineers Hydrodynamic, Salinity, And Morphologic Modeling of Basin-Side Effects Associated with Proposed Mississippi River Sediment Diversions using the Adaptive Hydraulics Model Coupled with the SEDLIB Sediment Transport Library

	Thursday, August 30, 2018
5:00pm-5:30pm	**Closing Plenary** [Mardi Gras Ballroom - Salon D - Level 3] **Moderator:** ***Nicholas G. Aumen,*** Regional Science Advisor - South Florida, Center for Collaborative Research, US Geological Survey, Davie, FL **Presentation:** ***Don Boesch,*** Professor of Marine Science, University of Maryland Center for Environmental Science, Annapolis, MD **Wrapping-up with the Big Picture: Science Communications and Stakeholder Engagement – *The Future of Restoration*** Throughout this conference multiple presentations and plenary talks will have focused on restoring coastal ecosystems under multiple threats including continued growth and development pressures, pollution loading, a warming climate, and increasing rates of sea level rise. Don Boesch, relying on his vast scientific experience in the Chesapeake Bay and Gulf of Mexico, will summarize the important take-away messages from this conference in the context of federal and state environmental leadership (or lack thereof) while identifying important next steps for the scientific and management communities.
5:30pm-6:30pm	**Closing Networking Social and Announcement of SER-LERS Student Competition Award Recipients** [Acadia - Poster & Sponsor Display Area] ***Matt Grabau,*** Conference Co-Chair, President, Large Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration, US Fish & Wildlife Service, Tucson, AZ ***Ryan Clark,*** Conference Co-Chair, Research Scientist, The Water Institute, and Immediate Past President, and President, Large Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration, Baton Rouge, LA The Large Scale Ecosystem Restoration Section (LERS) of the Society of Ecological Restoration (SER) is sponsoring a Student Competition that will be held in conjunction with NCER 2018. All students giving presentations are automatically enrolled. Winners will be announced during this closing session and will receive an Award Certificate and a $100 prize during the social. ***[Attention Sponsors and Poster Presenters: Please remove display materials from poster hall immediately following the social.]***
6:30pm	**NCER 2018 Concludes** [Poster Presenter & Sponsor Display Move-Out]