	Water Quality	Living Resources	Habitats	Resiliency	Monitoring
7:30 - 9:15	Registration, Breakfast, Welcome and Plenary				
9:15-9:30	*Break to Sessions*				
9:30-9:35	Moderator Introductions				
9:30-9:50	Environmental drivers of ecosystem and plankton metabolism in Pensacola Bay, Florida - Michael Murrell	Estimates of growth and mortality for spotted seatrout in Alabama coastal waters - William Patterson	A primer on coastal engineering for "Living Shorelines" - Scott Douglass	Determining localized risk perception and impacts of predicted sea-level rise (SLR) to enhance stakeholder mitigation planning through visualization tools - Matthew Bethel	Activity patterns of Gulf Sturgeon (*Acipenser oxyrinchus desotoi*) in the staging area of the Pascagoula River during fall outmigration - Paul Grammer
9:50-10:10	Net Ecosystem Metabolism Trends in the Mobile Bay Delta - Renee Collini	Do restored oyster reefs affect seagrass dynamics? An experimental study in the Northern Gulf of Mexico - Shailesh Sharma	10 Years Later – A retrospective investigation of design elements used to develop successful living shorelines in Alabama - Kari Servold	Community adaptation to sea level rise on Georgia's Coast - Katherine Moore	*Fundulus grandis* otolith microchemistry as a metric of estuarine discrimination and oil exposure - Reid Nelson
10:10-10:30	Sediment denitrification overcomes sulfides inhibition under low salinity environment - Lei Wang	Linking structural and process-based attributes of salt marshes and mangroves to ecosystem service provision - Lauren Hutchison	A discussion of multiple techniques used in Alabama for living shorelines and oyster reef breakwaters - Judy Haner	Making resiliency real with laws that support it - Bill Sapp	Has black mangrove expansion affected northern Gulf of Mexico salt marsh nursery function? - Whitney Scheffel
10:35-10:50	Break				
10:50-11:10	Predicted climate change effects on Northern Gulf of Mexico hypoxia - John Lehrter	Defining fish communities: factors affecting the organization of fish communities in the Mobile Bay estuary - Christopher Kemp	Community Based Restoration: a Living Shoreline for Mon Louis Island, Alabama - Bret Webb	Attributes of resilience within coastal systems - Scott Thomas	A Simulation Model Evaluating the Efficiency of Adaptive Cluster Sampling - Jesse Marks
11:10-11:30	Hypoxia in Mississippi Coastal Waters: Insights from δ18O and Trace Element Distributions - Peng Ho	Reproductive ecology of the Mississippi diamond-backed terrapin (*Malaclemys terrapin pileata*) - Andrew Coleman	Alternative Shoreline Management Manual for Coastal Mississippi Property Owners - Melissa Pringle	Climate resiliency on Dauphin Island - Catherine Janasie	Integrated Ecosystem Assessment for an ecosystem based approach to management in the northern Gulf of Mexico - Steve Ashby
11:30-11:50	Modeling Remediation of Aquatic Life Impacts of Episodic and Diel Cycling Hypoxia via Nutrient Loading Rate Reductions - James Hagy	An examination of inter-annual variability of Gulf Menhaden condition - Robert Leaf	Resilient Coastline Protection – Living Shorelines and the MBNEP - Tom Herder	The USA Center for Environmental Resiliency: Developing multidisciplinary, research-based environmental solutions - Jim Connors	NOAA Advancements in Coastal Observations of the Northern Gulf and 3D Forecast Models of the Coastal Bays and Nearshore Waters with the Northern Gulf Operational Forecast System - Timothy Osborn
12:00 - 1:30	Lunch and Keynote Speaker				

	Water Quality	Living Resources	Habitats	Resiliency	Monitoring
1:30-1:50	Planning the future with an eye to the past: Land use and water quality on the Mississippi-Alabama coast - Ruth Carmichael	Size-scaling trends in aerobic and anaerobic respiration of the model tolerant polychaete, *Capitella teleta* , change under varying combined levels of dissolved oxygen and temperature - Kelsey Burns	Site suitability modeling for Mobile Bay, AL: A GIS & remote sensin-based approach - Saranee Dutta	The working waterfront inventory industry overview - Filiz Atasoy	Diet, growth, and condition of larval Spanish mackerel in the Northern Gulf of Mexico: an assessment of Deepwater Horizon Oil Spill impacts - John Ransom
1:50-2:10	Water quality in Mobile Bay tributaries: Conditions, causes, and corrections - Marlon Cook	Parasites can cause lesions on Gulf of Mexico fishes - Stephen "Ash" Bullard	Community structure and secondary production of benthic biota associated with artificial reefs with differences between oyster shell and rubble substrata and between high and low profile reef structures in the Mississippi Sound - Patrick Gillam	Clean and resilient marinas - Rhonda Price	Temporal and spatial dynamics of diel-cycling hypoxia in four Northern Gulf of Mexico estuaries - Brandon Jarvis
2:10-2:30	Evolution and fate of a Mobile Bay discharge plume - Brian Dzwonkowski	Predictive spatial modeling of seasonal bottlenose dolphin (*Tursiops truncatus*) distributions in the Mississippi Sound - Jonathon Pitchford	Evaluating the benefits of intertidal structure in coastal restoration using assessments of sediment dynamics and vegetation - Joshua Goff	Evaluating the Community Resilience Index as a Hazard Resilience Tool - Jody Thompson	Short term monitoring after restoration of highly stressed intertidal marsh in Mobile, AL indicates ecosystem enhancement - Ashley McDonald
2:30-2:50	Assessing the abundance, distribution and toxicity of microplastics in Mobile Bay, AL - Caitlin Wessel	Dynamic Habitat Use of Young Bull Sharks (*Carcharhinus leucas*) in a northern Gulf of Mexico estuary - Marcus Drymon	Living shoreline demonstration project – Analysis of performance of oyster reef concepts - Josh Carter	Developing a resilience index for the fisheries and tourism Industries - Colette Boehm	Wind characteristics around Mobile Bay: sea breezes, tropical storms, and wind energy - Systske Kimball
2:50-3:10	Break				

	Water Quality	Living Resources	Habitats	Resiliency	Monitoring
3:10-3:30	The role of headwater wetlands for water quality along the Northern Gulf of Mexico - Christopher Anderson	Identifying trends in Gulf of Mexico research priorities over time and between groups - Stephen Sempier	Living wave barrier - David Walter	FEMA's new Alabama coastal storm surge model - Jason Wilson	A long-term, stakeholder-based strategy for Gulf of Mexico observing and monitoring: The GCOOS Build-out Plan V.2.0 - Stephanie Watson
3:30-3:50	Water level prediction in headwater-slope wetlands of Coastal Alabama - Latif Kalin	Fitting Mobile-Tensaw Delta bass into the black bass puzzle: New molecular tools and new insights - Eric Peatman	A regional vulnerability assessment of Gulf of Mexico habitats and species to changing conditions - Amanda Watson	Land use and marine spatial planning and its role in coastal planning and management in the Peninsula of Mobile - Rebecca Retzlaff	Sustaining Alabama fishery resources: A risk-based integrated environmental, economic, and social resource management decision framework - Michael Stovall
3:50-4:10	Low impact development strategies for protecting headwater wetlands - Charlene LeBleu	Regulating oyster aquaculture in the Gulf of Mexico and beyond - Melissa Daigle	Shoalgrass patch mapping on Horn Island to assess landscape structure - Patrick Biber	The Coastal Resilience Web Mapping Decision Support Tool - George Raber	Resilient coasts need environmental flows: A Lesson from the Lower Pascagoula River - Jeff Ballweber
4:10-4:30	Water resources research in coastal and poorly Ddrained forests of the Southeastern U.S. - Jami Nettles	Using acoustic and satellite telemetry to track movements of Alabama's State Saltwater Fish, Atlantic Tarpon (*Megalops atlanticus*) - Andrea Kroetz	Comparison of floc growth and stability in four estuarine clay simulations - Allen Reed	Assessing exposure to coastal flood hazards: A planning tool for Gulf Coast communities - Marian Hanisko	Lessons for collaborative governance of coastal restoration from the Carnarvon river diversion in Louisiana - Jae-Young Ko
4:30-4:50	Water quality as a nexus between land use/cover and West Nile Virus incidence - Navideh Noori	The exposed surface area to volume ratio: Is shell more efficient than limestone in promoting oyster recruitment? Kelsey Kuykendall	Sediment quality assessment and management - Jennifer Sagan	Storm surge: An interactive visualization tool - Tina Miller-Way	Calibrating a bio-optical model for submerged aquatic vegetation habitat suitability in the Lower Mobile-Tensaw Delta and Lower Perdido Bay systems - Dorothy Byron
4:50-5:00	Break				
5:00-6:30	Reception and Poster Session				
6:30-8:30	Keynote Speaker- Open to the Public				

	Water Quality	**Living Resources**	**Habitats**	**Resiliency**	**Monitoring**
7:30-9:30	Registration, Breakfast, Welcome and Plenary				
9:30-9:40	Break to Sessions				
9:40-10:00	REACH: Monitoring the efficacy of agricultural best management practices to reduce nutrient loading to the Gulf of Mexico - Beth Baker	Variable Response of Natural Mesozooplankton and Ichthyoplankton Assemblages to the Deepwater Horizon Oil Spill - Frank Hernandez	Assessing the state of Gulf Coast habitats in the Gulf Coastal Plains and Ozarks LCC - Kristine Evans	Flooding 101 - Emily Sommer	Communicating oil spill science: A Social Network Analysis of the Gulf of Mexico Resilience Initiative - Chris Ellis
10:00-10:20	Effects of upstream disturbances on sediment yield downstream where best management practices are present - Ilkim Cavus	Marsh elevation dynamics at the Grand Bay National Estuarine Research Reserve: A three-year sentinel site retrospective - William Underwood	Connecting the dots in whole system conservation planning - Mary Kate Brown	Rapid damage assessment: Post-hurricane response at the community level - Kathleen Garland	Delivering Oil Spill Science to our Coastal Audiences - Larissa Graham
10:20-10:40	Design and construction of a Step Pool Storm Conveyance (SPSC) System on an unnamed tributary to Joe's Branch, D'Olive Bay Watershed, Baldwin County, Alabama - Wade Burcham	Evaluating the current status of red drum (*Sciaenops ocellatus*) in offshore waters of the north ventral Gulf of Mexico: An update on abundance, age composition, and mortality - Crystal Hightower	Influence of *Avicennia germinans* on ecosystem dynamics at the edge of their northern limit - Aaron Macy	Planning for disaster recovery and resilient communities with faith-based and secular nonprofit organizations - Kathleen Garland	Using Mitigation to Create a Resilient Community - Jody Hodge
10:40-11:00	Break				
11:00-11:20	Improving Water quality through watershed planning, design and innovative outreach activities - Kelsey Johnson	How do stressors associated With stock enhancement processes affect stress response and post-release success of spotted seatrout? - Taylor Guest	Ichthyoplankton community composition and patterns of the Loop Current - Stephanie Taylor	The 2013 Community Rating System: Developing a program of public information - Niki Pace	Updating/Improving a Spatial Database of Priority Habitats and Calibrating a Biological Condition Framework for the Alabama Estuary - Tim Thibaut
11:20-11:40	Cyanobacterial harmful algal blooms (cyanoHABs) in Mobile Bay : An emerging threat to ecosystem health - Alison Robertson	The ecological impact and pedal ultrastructure of *Rangia cuneata* in Johnson Bayou, MS - Brandon Drescher	Mississippi Habitat Stewards - Peggy Stowers	The CIAP Smart Conservation: A strategy for incorporating green infrastructure into hurricane recovery and renewal - Judy Steckler	A Novel Approach for Evaluation of Water Quality Trends in Gulf Coast Estuaries - Marcus Beck
11:40-12:00	Swim Guide in Coastal Alabama - Renee Edwards	Preliminary results of the effects of culture practices on *Vibrio* spp. abundances in farmed oysters - William Walton			Application of RTK-GPS Derived Digital Elevation Models from Grand Bay National Estuarine Research Reserve - Lindsay Spurrier
12:00-2:00	Lunch, Recap, Keynote Speaker				
2:00-4:30	Monitoring Panel and Discussion				