

North Carolina Beach, Inlet & Waterway Association's 2022 Spring Meeting

Thursday and Friday May 5-6, 2022

Technical Sessions Qualify for Engineering, Land Surveying and Geology PDH credits

DAY 1 – Thursday, May 5, 2022

Breakfast

7:30 **Sponsor:** *Dare County and the Towns of Duck and Southern Shores*

Meeting Coffee and Water

Sponsor: *Brunswick County*

8:15 **Opening Remarks**-Jason Holland, Mayor, Emerald Isle, Bobby Outten, Chairman, NCBIWA and Kathleen Riely, Executive Director

SESSION 1: State and Federal Legislative and Policy Updates

Introduction: Steve Baker

8:30 **U.S. Army Corps of Engineers Update**- COL Benjamin A. Bennett, Wilmington District Commander USACE, Christine Brayman, Deputy District Engineer, Programs and Project Management, Wilmington District USACE and Jackie Keiser, PG, PMP, South Atlantic Division, US Army Corps of Engineers

9:30 **Roles and Responsibilities of U.S. Coast Guard Sector North Carolina Waterways Management Division**-LT Greg Kennerley, U.S. Coast Guard

9:55 **North Carolina Division of Water Resources Budget/Policy Updates**-Kevin Hart, N.C. Division of Water Resources

10:15 **North Carolina Division of Coastal Management (DCM) Program Updates**-Braxton Davis, Director, N.C. Division of Coastal Management

Morning Break

10:35 **Sponsor:** *Town of Holden Beach*

SESSION 2: State and Federal Funding Opportunities

Introduction: Jim Normile

10:50 **N.C General Assembly Update-Invited** N.C. Senators Norm Sanderson (Carteret), Representatives Bobby Hanig (Currituck, Dare, Hyde), Frank Iler (Brunswick), Pat McElraft (Carteret)

11:20 **A Sea of Possibilities: Protecting and Promoting our Economic Engine & Environmental Treasure**-Mike McIntyre, Former U.S. Representative N.C. 7th Congressional District, Director of Government Relations, Ward and Smith, P.A.

11:45 **Mini Workshop: Accessing Federal Infrastructure Funding for Coastal Communities**-Stephanie Missert, Principal and Manager of Policy and Regulatory Affairs, The Ferguson Group, Washington, DC

12:15 **LUNCH WITH KEYNOTE SPEAKER: U.S. Congressman David Rouzer**

Sponsors: *Carteret County and the Towns of Emerald Isle, Indian Beach, Pine Knoll Shores, Atlantic Beach and Beaufort*

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SESSION 3: Coastal Flooding Challenges

Introduction: Ken Willson

1:20 **Resilience of Barrier Island Coastal Transportation Systems in North Carolina-**
Elizabeth Sciaudone, PhD, PE, Assistant Professor, North Carolina State University

1:40 **N.C. King Tides Program-**Sarah Spiegler, North Carolina Sea Grant Coastal Resilience Specialist

2:00 **Flood Impacts on Coastal Towns-** Jeremy Hardison, Planner, Town of Carolina Beach and Samantha Burdick, Planner, Town of Beaufort

2:20 **Measuring the Causes and Impacts of Sunny Day Flooding in Coastal Communities-**
Dr. Katherine Anarde, Assistant Professor, Department of Civil, Construction, and Environmental Engineering, NCSU & Dr. Miyuki Hino, Assistant Professor, Department of City and Regional Planning, UNC Chapel Hill

2:35 **Panel Discussion-** Dr. Elizabeth Sciaudone, Dr. Katherine Anarde, Dr. Miyuki Hino, Jeremy Hardison, Samantha Burdick and Sarah Spiegler

3:00 **North Carolina's Flood Resiliency Blueprint-**Kirsten Ullman, Watershed Planner, Division of Mitigation Services, Department of Environmental Quality

3:25 **Afternoon Break**
Sponsor: Village of Bald Head Island

SESSION 4: New Technologies

Introduction: Spencer Rogers

3:45 **An Overview of NOAA's National Centers for Coastal Ocean Science Coastal Resilience Program-**Jenny Davis, Ph.D., NOAA Beaufort Lab, Marine Spatial Ecology Division National Centers for Coastal Ocean Science, NOAA National Ocean Service

4:10 **Project Sentinel Presentation-**Forrest J. Masters, PhD., P.E. (FL), Prof. and Assoc. Dean for Research and Facilities Herbert Wertheim College of Engineering, University of Florida

4:25 **Project Sentinel Live Demonstration-**Project Sentinel is a pre-storm deployed mobile instrument tower, planned for installation on the beach. Each 33' tower is instrumented for wind speed, storm surge, wave height, video and other sensors. Beach installation methods and raising of the spar will be demonstrated adjacent to the hotel.

5:15 **Happy Hour! *Sponsored by Great Lakes Dredge and Dock and Moffatt & Nichol***

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DAY 2 - Friday, May 6, 2022

Breakfast

7:45 **Sponsor: *Southeast Coastal Ocean Observing Regional Association (SECOORA)***
Meeting Coffee and Water
Sponsor: *Brunswick County*

SESSION 5: Coastal Partners Introduction: Tammy Proctor

8:30 **Water Level Observing Network Workshop**-Nicole Elko Ph.D., Science Director, ASBPA and Jennifer Dorton, Deputy Director, Southeast Coastal Ocean Observing Regional Association (SECOORA)

9:30 **Atlantic Intracoastal Waterway Association (AIWA) Update**-Brad Pickel, Executive Director, AIWA, **American Shore and Beach Preservation Association (ASBPA) Update**-Nicole Elko Ph.D., Science Director, ASBPA

9:55 **Tourism Update**-Heidi Walters, Senior Director, Partner & Industry Relations, Visit North Carolina

Networking Break

10:20 **Sponsor: *Coastal Science & Engineering***

SESSION 6: Protecting the Coast with Nature Introduction: Dawn York

10:40 **South Atlantic Salt Marsh Initiative**-Leda Cunningham, Officer, Conserving Marine Life in the US, The Pew Charitable Trusts

11:10 **Retrofitting with Nature-Based Solutions: Town of Swansboro**-Bree Charron, N.C. Coastal Federation

11:35 **Breakwaters to Beach Music: Carolina Coastal Town Waterfront Renewal Creates Places for Everyone**- Scott Lagueux, AICP, LEED AP, ENV SP Director, Waterfront Planning, Moffatt & Nichol

12:00 **Topsail Island Beach Clean Project**-Mayor Steve Smith, Town of Topsail Beach

LUNCH WITH KEYNOTE SPEAKER: U.S. Congressman Greg Murphy

12:15 **Sponsors: *Atlantic Reefmaker and the Towns of Carolina Beach and Kure Beach***

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1:15 **Flood Insurance Risk Rating 2.0: What's In The Black Box**-Spencer Rogers, N.C. Sea Grant (retired)

1:45 **Closing Remarks:** Kathleen Riely, NCBIWA Executive Director

2:00 **Field Trip to 206 Washington Street, Emerald Isle, North Carolina:** A first-hand look at the erosion control effectiveness, comparative development of oyster communities, and enhancement of salt marsh communities using three different reef foundation materials including traditionally bagged oyster shells, the Atlantic Reefmaker pile-supported disks, and Oyster Catcher™ Pillows. The fieldtrip also offers a look at the impacts of a new bulkhead installed in May 2021 on an adjacent property. Space is limited so please confirm by emailing execdirector@ncbiwa.org.
