

North Carolina Beach, Inlet & Waterway Association's 24th Annual Conference

November 4th & 5th, 2021

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

DAY 1 - Thursday, November 4

Breakfast

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

Meeting Coffee and Water

Sponsor: *Brunswick County*

8:30 **Opening Remarks**-Bill Saffo, Mayor, City of Wilmington, Randell Woodruff, NCBIWA Chairman and Kathleen Riely, NCBIWA Executive Director

SESSION 1: Regulatory & Policy Updates

Introduction: Col. Steve Baker

8:50 **U.S. Army Corps of Engineers Update**- COL Benjamin A. Bennett, Wilmington District Commander USACE, Bob Keistler, Civil Works Branch Chief, Wilmington District USACE and Bob Glassen, Beach Specialist, Public Assistance Branch Region IV, Federal Emergency Management Agency (FEMA)

9:50 **N.C. Division of Coastal Management (DCM) Program Updates**- Braxton Davis, Director, Division of Coastal Management

10:10 **The National Flood Insurance Program Rates, the Tide is Changing**-Lisa Sharrard, ANFI, CFM Owner, Choice Flood Insurance, LLC

Morning Break

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

SESSION 2: Legislative and Policy Updates

Introduction: Kathleen Riely

10:55 N.C. Senators Norm Sanderson (Carteret), N.C. Representatives (*Invited*) Bobby Hanig (Currituck, Dare, Hyde), Frank Iler (Brunswick)

11:15 **Red Knot Critical Habitat Update**-Pete Benjamin, Field Supervisor, Raleigh ES Field Office, U.S. Fish and Wildlife Service

11:30 **N.C. Division of Water Resources Budget/Policy Updates**-Kevin Hart, N.C. Division of Water Resources

LUNCH WITH KEYNOTE SPEAKER: Dr. Ty Wamsley, SES, Director, Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center
Sponsors: *Town of Wrightsville Beach*



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SESSION 3: Offshore Wind Energy

Introduction: Kathleen Riely

1:30 **Offshore Wind Energy Panel Discussion**-John Hardin, Executive Director Office of Science, Technology & Innovation, North Carolina Department of Commerce, Jennifer R.F. Mundt, Senior Policy Advisor & Offshore Wind Coordinator, North Carolina Department of Environmental Quality, Kara Allen, Senior Advisor for U.S. Senator Sheldon Whitehouse (Rhode Island), Hayes Framme, Senior Manager, Government Relations & Communications, Ørsted, Casey Reeves and Brian Krevor, Bureau of Ocean Energy Management (BOEM)

SESSION 4: Coastal Resiliency

Introduction: Dawn York, Moffatt & Nichol

2:30 **Evaluation of Strategies for Mitigating Coastal Riverine Flooding**-Barbara Doll, P.h.D., Extension Associate Professor and Extension Specialist, Biological & Agricultural Engineering Department, North Carolina State University

2:55 **Mapping the Effects of Sea Level Rise on North Carolina's Coastal Habitats and Blue Carbon**-Katie Warnell, Nicholas Institute for Environmental Policy Solutions, Duke University

3:20 **Afternoon Break**
Sponsor: Village of Bald Head Island

3:40 **Comparison of National Scale Wetland Inventories in Coastal North Carolina**-Yasin Wahid Rabby, PhD, Postdoctoral Research Fellow, Engineering Dept., Wake Forest University and Courtney Di Vittorio, PhD, PE, Assistant Professor Engineering Dept., Wake Forest University

4:05 **N.C. Resilient Coastal Communities Program Update**- Tancred Miller, Policy & Planning Section Chief, Division of Coastal Management and Mackenzie Todd, Coastal Resilience Specialist, Division of Coastal Management

4:30 **The 2005 Bogue Inlet Relocation Project-A Retrospective**-Greg "Rudy" Rudolph, Carteret County Shore Protection Office

4:55 **NCBIWA Annual Meeting-NCBIWA Awards and Election of New Board Members and Officers**

5:15 **NCBIWA Board of Directors Meeting-Welcoming New Board Members and Officers**

5:30 **Happy Hour!** *Sponsored by Great Lakes Dredge and Dock, Civic Federal Credit Union, Atlantic Reefmaker and Scenic Consulting*



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DAY 2 - Friday, November 5

Breakfast

7:30 **Sponsor: *Town of Carolina Beach***
Meeting Coffee and Water
Sponsor: *Brunswick County*

SESSION 5: Coastal Partners

Introduction: Carin Faulkner, Village of Bald Head Island

8:30 **Atlantic Intracoastal Waterway Association (AIWA) Update-**Brad Pickel, Executive Director, AIWA

8:50 **American Shore and Beach Preservation Association (ASBPA) Update-** Nicole Elko Ph.D., Science Director, ASBPA

9:10 **University of North Carolina Wilmington (UNCW) Center for Marine Science-** Kenneth M. Halanych, Ph. D., Executive Director of UNCW Center for Marine Science

SESSION 6: New Technology

Introduction: Jim Normile, Town of Emerald Isle

9:30 **Coastal Resiliency by Stormwater Dune Infiltration-** T. Carter Hubbard, P.E., Regional Vice-President, WK Dickson

9:55 **Top Ten Restoration Plants for Coastal and Marsh Restoration Projects-** Sara Meissner, Coastal Transplants

10:20 **Delft 3D Numerical Modeling of the Duck, Southern Shores, Kitty Hawk and Kill Devil Hills Nourishment Projects-**Lindino Benedet, PhD and Ken Willson, Coastal Protection Engineering

10:45 **Networking Break**
Sponsor: *Figure 8 Island*

11:05 **Olivine Sand: A Cost-Effective Carbon-Negative Alternative for Beach Renourishment-**Grace Andrews, Project Vesta

11:30 **A Holistic, Resilient Coastal Waterfront Approach for a Homeowner-**Randy Boyd, PE, Scenic Consulting Group, Niels Lindquist, CEO, Sandbar Oyster Company, Inc.

LUNCH WITH KEYNOTE SPEAKER CONGRESSMAN DAVID ROUZER

12:00 **Sponsors: *Carteret County and the Towns of Emerald Isle, Indian Beach, Pine Knoll Shores, Atlantic Beach and Beaufort***



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SESSION 7: Coastal Projects

Introduction: Ken Wilson, Coastal Protection Engineering

1:15	When a Project Performed Better than Expected – Beach Nourishment at Sagaponack and Bridgehampton, Town of Southampton, Long Island, New York- Haiqing Liu Kaczkowski, Ph.D., PE
1:40	Lake Mattamuskeet Watershed Active Water Management Project: One Year later- Alessandra Braswell, PhD, PE, Geosyntec Consultants of N.C., P.C.
2:05	Seabird Nesting Habitat Restoration in Charleston Harbor- Fran Way, P.E., ATM of N.C.
2:30	North Carolina Office of Recovery & Resiliency (NCORR) Update- Amanda Martin, PhD, Chief Resilience Officer, NCORR
2:55	Closing Remarks- Kathleen Riely, NCBIWA Executive Director

