

Wednesday, February 5

OPENING GENERAL SESSION

1:00 p.m. to 5:10 p.m.

Moderator: Lisa Armbruster, FSBPA

1:00 p.m.

Welcome: Dan Rowe, Executive Director, Bay County Tourist Development Council, Panama City Beach, FL

1:10 p.m.

An Update on Bay County's Successful Beach Management Program, Panama City Beach, Florida

Thomas Pierro, P.E., D.CE and Lauren Floyd, Coastal Protection Engineering, Boca Raton, FL, Lisa Armbruster, Sustainable Beaches, LLC, and Michael Dombrowski, P.E. and Joseph Morrow, P.E., MRD Associates, a Coastal Protection Engineering Company, Destin, FL

1:30 p.m.

Past, Present, and Future of Mexico Beach, The Unforgettable Coast

Caroline MacLeod and Michael Dombrowski, P.E., MRD Associates, A Coastal Protection Engineering Company, Destin, FL

1:50 p.m.

Hurricane Helene and the Florida Big Bend Coast

Ralph Clark, P.E. and Sarah Bodin, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

2:10 p.m.

Bad News Comes in Three's: The Effects of Three Hurricanes within a Three-Month Span on Pinellas County Beaches

Zachary Westfall and John Bishop, Ph.D., Environmental Management Division, Pinellas County, Clearwater, FL

2:30 p.m.

Coastal Impacts of Hurricane Helene and Hurricane Milton on Southwest Florida

Guy Weeks, Kristen Becker, Ph.D., and Nathen Bonanno, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

2:50 p.m. Professional Exchange Break (30 Minutes)

Moderator: Charlie Hunsicker, Manatee County

3:20 p.m.

Rip Current Dynamics and Beach Profile Evolution in Panama City Beach, Florida

Thomas Pierro, P.E., D.CE, Lindino Benedet, Ph.D., and Morjana Signorin, Coastal Protection Engineering, Boca Raton, FL

3:40 p.m.

Puerto Rico Coastal Study, Managed Coastal Retreat Recommended through Consideration of Comprehensive Benefits

Stacey Roth, P.E., Will Reilly, P.E., Ashleigh Fountain, and Matt Trammell, P.E., U.S. Army Corps of Engineers, Jacksonville District, FL

4:00 p.m.

Measured Sea Level Rise vs Beach Erosion: Bathtub Beach/Sailfish Point, FL

Kevin Bodge, Ph.D., P.E. and Steven Howard, P.E., Foth | Olsen, Jacksonville, FL

4:20 p.m.

Application of an Alternative Analytic Model of Beach Nourishment Planform Behavior

Douglas Mann, P.E., BC.CE, APTIM, Boca Raton, FL

4:40 p.m.

The Economic Value of America's Beaches

James Houston, Ph.D., U.S. Army Engineer Research and Development Center, Vicksburg, MS

5:00 p.m. Adjourn

5:30 p.m. Welcome Reception (Exhibit Hall)

Thursday, February 6

CONCURRENT SESSION A1

8:05 a.m. to 9:45 a.m.

Moderator: Bob Glassen, Federal Emergency Management Agency

8:05 a.m.

Pre- and Post-Storm LiDAR Surveying of Florida Beaches for Preliminary Damage Assessment

Bob Glassen, Public Assistance Division, FEMA, Washington, DC, Hamza Sattar, Bureau of Recovery, Florida Division of Emergency Management, Tallahassee, FL, and Buck Dickinson, DebrisTech, Tallahassee, FL

8:25 a.m.

The Application of Drone Technology to Monitor and Assess Coastal Environments and Projects

Frank Marshall and Adam Priest, Coastal Protection Engineering of North Carolina, Inc., Wilmington, NC

8:45 a.m.

Tell Me Again Which Storm That Was? Impacts of the 2024 Hurricane Season at Longboat Key, FL

Charles Mopps, Public Works Department, Town of Longboat Key, FL, Albert E. Browder, Ph.D., P.E., Krista Egan, P.E., Sergio Peña, and Evan Heeg, Foth|Olsen, Jacksonville, FL

9:05 a.m.

SandSnap: A Pocket-Sized Beach Lab and Open Database

Brian McFall, Ph.D., P.E., BC.CE. and Brooke Walker, Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center, Vicksburg, MS, and David Young, Ph.D., P.E., U.S. Army Engineer Research and Development Center, Duck, NC, Jacob Stasiewicz, Oak Ridge National Laboratory, Oak Ridge, TN, Shelley Whitmeyer, Ph.D., James Madison University, Harrisonburg, VA, and Daniel Buscombe, Ph.D., Marda Science, LLC, Santa Cruz, CA

9:25 a.m.

Hybrid Downscaling Approach for Nearshore Wave Climate Analysis in Roatan: Impacts of Sea-Level Rise

Felix Juzgado and Esteban Biondi, ATM, A Geosyntec Company, West Palm Beach, FL

9:45 a.m.

Professional Exchange Break (30 Minutes)

CONCURRENT SESSION B1

8:05 a.m. to 9:45 a.m.

Moderator: James Houston, Ph.D., U.S. Army Engineer Research and Development Center

8:05 a.m.

Assessing Coastal Blue Carbon Residence Times using Radiocarbon Techniques

Amy Scott, Ph.D., Elizabeth Brizuela, Rolando Alvarez, and Sean Ahearn, P.G., Beta Analytic, Inc., Miami, FL

8:25 a.m.

Incorporating Greenhouse Gas Emissions Analyses into National Environmental Policy Act Reviews

Troy Mayhew, P.G., U.S. Army Corps of Engineers, Jacksonville District, FL

8:45 a.m.

Protecting Critical Infrastructure in Jacksonville's Historic Riverside Avondale District: Designing for a 500-yr Storm Event

Jessica Rakich and Michael Barnett, P.E., D.CE, GHD, Inc., Wellington, FL and Decatur, AL

9:05 a.m.

Endicott College Seawall Reconstruction – Beverly, MA

Jeremy Packard, P.E., Foth Infrastructure & Environment, LLC, Newport, RI

9:25 a.m.

Sunset Beach Groin Study

James Austin, P.E., Douglas Mann, P.E., BC.CE, and Hithaishi Hewageegana, Ph.D., APTIM, Boca Raton, FL and John Bishop, Ph.D., Environmental Management Division, Pinellas County, Clearwater, FL

9:45 a.m.

Professional Exchange Break (30 Minutes)

Thursday, February 6

CONCURRENT SESSION A2

10:15 a.m. to 12:00 p.m.

**Moderator: Michael Jenkins, Ph.D., P.E., ATM-A
Geosyntec Company**

10:15 a.m.

**IWW Maintenance Dredging Placement Into a Barrier
Island Breach, Summer Haven, FL**

**Ian Heausler, P.E., U.S. Army Corps of Engineers,
Jacksonville District, FL**

10:35 a.m.

**The Ponte Vedra Beach Restoration Project: A Success
Story**

**Stephen Hammond and Sloane Stephens, Coastal
Management, Disaster Response Department, St. Johns
County, St. Augustine, FL and Albert Browder, Ph.D., P.E.,
D.CE., and Sergio Peña, Foth|Olsen, Jacksonville, FL**

10:55 a.m.

**Flagler Beach #Goals: Years of Planning and a Whole Lot
of Sand!**

**Rosemarie Lockwood, P.E., U.S. Army Corps of Engineers,
Jacksonville District, FL**

11:15 a.m.

**Is This Spot Taken? Data Collection for a Beach Carrying
Capacity Study at a RI Beach**

**Wendy Laurent, P.E., Nicole McClain and Christopher
Bender, Ph.D., P.E., BC.CE, Taylor Engineering, Inc.,
Philadelphia, PA and Jacksonville, FL**

11:35 a.m.

**How Does That Make You Feel? Data Processing for a
Beach Carrying Capacity Study at a RI Beach**

**Nicole McClain and Christopher Bender, Ph.D., P.E.,
BC.CE, and Wendy Laurent, P.E., Taylor Engineering, Inc.,
Jacksonville, FL and Philadelphia, PA**

11:55 a.m.

Break for Lunch

12:00 p.m.

Lunch (1 Hour)

CONCURRENT SESSION B2

10:15 a.m. to 12:00 p.m.

Moderator: Duncan Greer, Taylor Engineering, Inc.

10:15 a.m.

**Think Sandy Thoughts – The Trials and Triumphs of
Searching for Offshore Sand Sources for SAJ’s Beach
Nourishment Projects**

**Nicholas McCarroll, Ph.D. and Jennifer Coor, Ph.D., P.G.,
U.S. Army Corps of Engineers, Jacksonville District, FL**

10:35 a.m.

**Archaeological Considerations in Sand Search
Investigations**

Christopher Dvorscak, APTIM, Tampa, FL

10:55 a.m.

**Enhancing Coastal Project Data Management through the
Implementation of OpenGround – Everglades Harbor Case
Study**

**Stephanie Soto, Elimar Torres-Padilla and Barbara Nist,
P.G., U.S. Army Corps of Engineers, Jacksonville District,
FL**

11:15 a.m.

St. Joseph Peninsula Sand Search

**Sabrina Porto and Lindino Benedet, Ph.D., Coastal
Protection Engineering, Boca Raton, FL and Joseph
Morrow, P.E., MRD Associates, a Coastal Protection
Engineering Company, Destin, FL**

11:35 a.m.

**Woolpert’s Florida Sea Floor Mapping Initiative (FSMI)
Assignment**

Rick Householder, Woolpert, Lake Worth, FL

11:55 a.m.

Break for Lunch

12:00 p.m.

Lunch (1 Hour)

Thursday, February 6

CONCURRENT SESSION A3

1:00 p.m. to 3:00 p.m.

Moderator: Nicole Sharp, P.E., APTIM

1:00 p.m.

Weathering the Storm: Lessons from the Resilient Pasco Project on Building Coastal Resilience

Sean Lahav, Half Associates, Inc. and Michael DelCharco, P.E., CFM, Taylor Engineering, Inc., Jacksonville, FL

1:20 p.m.

Natural Shoreline Infrastructure: Adapting to the Future with Innovative Approaches to Shoreline Resiliency for Flood Risk Reduction

Brett Vivyan, P.E., GHD, Inc., Eureka, CA

1:40 p.m.

Lost in Translation: The Role of Coral Reefs in Shoreline Protection in South Florida

William Precht, Bio-Tech Consulting, Miami Lakes, FL, Chandler Precht, Columbia Climate School – The Earth Institute, Columbia University, New York, NY, and Alex Modys, Ph.D., Department of Geosciences, Florida Atlantic University, Boca Raton, FL

2:00 p.m.

Integrating Vulnerability and Climate Resilience into Coastal Design

Douglas Gaffney, P.E., BC.CE, Nicole Eldridge, P.E., and Janet Luce, AtkinsRealis, Cherry Hill, NJ

2:20 p.m.

Resiliency in Action: Navigating Water's Influence from Concept to Construction

Jordon Cheifet, P.E., CFM, Cummins Cederberg, Inc., Jupiter, FL

2:40 p.m.

Innovating Shoreline Resilience: Real-World Solutions for Florida's Coastal Communities

Jenna Phillips and Jordon Cheifet, P.E., CFM, Cummins Cederberg, Inc., Sarasota and Jupiter, FL

3:00 p.m.

Professional Exchange Break (30 Minutes)

CONCURRENT SESSION B3

1:00 p.m. to 3:00 p.m.

Moderator: Michael Dombrowski, P.E., MRD Associates, Inc.

1:00 p.m.

Development of the Coastal Hazards Analysis and Risk Toolkit

Kevin Hodgens, P.E. and Rusty Permenter, Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center, Vicksburg, MS

1:20 p.m.

StormSim: Multivariate Coastal Hazard Response Stochastic Simulation

Abigail Stehno, Kevin Hodgens, P.E., Fabian Garcia-Moreno, Norberto Nadal-Caraballo, Ph.D., P.E., and Jeffrey Melby, Ph.D., P.E., Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center, Vicksburg, MS

1:40 p.m.

Analysis of Long-Term Shoaling Reduction Alternatives for Dredging Efficiencies in the Intracoastal Waterway

Michael Kabling, Ph.D., P.E., CFM, Taylor Engineering, Inc., Jacksonville, FL

2:00 p.m.

Shoreline Characterization of San Clemente Island Using a Regional Wave Model

Braden Froble and Nick Bragaia, P.E., GHD, San Diego, CA and Wellington, FL

2:20 p.m.

Reducing Downdrift Impacts through Detailed Analysis of Alternatives Utilizing a Morphology Model, St. Joseph Peninsula, FL

Lindino Benedet, Ph.D. and Morjana Signorin, Coastal Protection Engineering, Boca Raton, FL and Joseph Morrow, P.E., MRD Associates, a Coastal Protection Engineering Company, Destin, FL

2:40 p.m.

Quantifying the Historical Intensity of Hurricane Helene and Milton Using a Data-Driven Vulnerability Model

Matthew Janssen, Ph.D., P.E., Ian Day, Pouya Farahani, and Jon Miller, Ph.D., Davidson Laboratory, Stevens Institute of Technology, Hoboken, NJ

3:00 p.m.

Professional Exchange Break (30 Minutes)

Thursday, February 6

CONCURRENT SESSION A4

3:30 p.m. to 5:10 p.m.

Moderator: Will Reilly, P.E., U.S. Army Corps of Engineers, Jacksonville District

3:30 p.m.

Enhancing Coastal Resilience: A Comprehensive Approach to Coastal Protection and Waterfront Development in the Everglades National Park
Jackie Brower, P.E., Ph.D., Moffatt & Nichol, Fort Lauderdale, FL

3:50 p.m.

Palm Beach County Emergency Response to Winter 2023/24 Storm Events
Hailey Wilson and Andy Studt, Environmental Resources Management, Palm Beach County, West Palm Beach, FL

4:10 p.m.

Erosion Gone Viral – The 2024 Jupiter Inlet Colony Emergency Response Effort
Michael Jenkins, Ph.D., P.E., ATM, A Geosyntec Company, West Palm, FL

4:30 p.m.

Repetitive Nourishments – Update on Observed Performance vs. Predicted Renourishment Intervals
Peter Seidle, P.E., GRAEF, Sarasota, FL

4:50 p.m.

Performance of the Newly Installed WAD@s Artificial Reef System at the Sunshine Skyway, Tampa Bay, Florida
Elizabeth Royer, Ping Wang, Ph.D., and Kendal Jackson, School of Geosciences, University of South Florida, Tampa, FL and Sophia Gutierrez, Humiston & Moore Engineers, Naples, FL

5:10 p.m.

Adjourn

CONCURRENT SESSION B4

3:30 p.m. to 5:10 p.m.

Moderator: Albert Browder, Ph.D., P.E., D.CE., Foth | Olsen

3:30 p.m.

Sea Oats: All You Need to Know about Collection, Culture, Planting, and Politics
Robert Barron, Coastal Management Consulting, Lake Worth, FL

3:50 p.m.

Meeting the Demand for Coastal Plants – Experience from a Grower’s Perspective
Joe Hayden and Erik Sandsmark, EarthBalance, North Port, FL

4:10 p.m.

Balancing Nature and Management: Human Activity and Natural Recovery of Coastal Dunes
Christy Swann, Ph.D., Coastal Scientist, CEO & Co-Founder, RCOAST, New Orleans, LA

4:30 p.m.

Advancing Coastal Habitat Data Integration to Better Facilitate Understanding and Management of Coastal Resources
Sandra Walters, Eco Legacy Solutions, LLC, Fort Myers, FL

4:50 p.m.

Ecological Engineering in Coastal Protection: Leveraging CFD and Hydrodynamic Models for Living Shorelines
Leonard Barrera Allen, P.E., CFM, WEDG, Cummins Cederberg, Inc., Miami, FL

5:10 p.m.

Adjourn

Friday, February 7

CLOSING GENERAL SESSION

8:05 a.m. to 12:00 p.m.

Moderator: Chris Creed, P.E., Foth | Olsen

8:05 a.m.

FWC's Environmental Commenting Program

Eric Seckinger and Robbin Trindell, Ph.D., Division of Habitat and Species Conservation, Florida Fish and Wildlife Conservation Commission, Tallahassee, FL

8:25 a.m.

Taking a Deep Dive into FDEP's Dune Erosion Model for 100-Year Storm Erosion Analysis

Shamim Murshid, Ph.D. and Md Ahsan Habib, Ph.D., Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

8:45 a.m.

Re-initiation of Consultation under Statewide Programmatic and Programmatic Piping Plover Biological Opinions

Paul DeMarco, U.S. Army Corps of Engineers, Jacksonville District, FL

9:05 a.m.

Queen Conch ESA Listing and Effects on Permitted Projects and Projects Under Regulatory Review

Panel Presentation Moderated by Chris Creed, Foth | Olsen, Jacksonville, FL with Stephanie Roche, Broward County, FL, Michael Jenkins, Ph.D., P.E., ATM, A Geosyntec Company, West Palm, FL, and Cheryl Miller, Coastal Eco-Group, Deerfield Beach, FL

9:45 a.m. Door Prize Drawing

9:50 a.m. Professional Exchange Break (30 Minutes)

Moderator: Lauren Floyd, Coastal Protection Engineering

10:15 a.m.

Student Scholarship Presentations

Michael Poff, P.E., Coastal Engineering Consultants, Inc., Bonita Springs, FL

10:20 a.m.

Impacts of Hurricanes Debby, Helene, and Milton on Anna Maria Island

Charlie Hunsicker and Sherri Swanson, Natural Resources Department and Ecological and Marine Resources Division, Manatee County, Bradenton, FL and Thomas Pierro, P.E., D.CE, Morjana Signorin, and Chelsea Ryan, P.E., Coastal Protection Engineering, Boca Raton, FL

10:40 a.m.

The Cumulative Impacts of Hurricanes Debby, Helene, and Milton on Southwest and Central Florida Barrier Islands

Mohamed Dabees, Ph.D., P.E., BC.CE, Humiston & Moore Engineers, Naples, FL

11:00 a.m.

Two's Company, Three's a Crowd: Beach Performance and Recovery Efforts After Debby, Helene and Milton

John Bishop, Ph.D. and Zachary Westfall, Environmental Management Division, Pinellas County, Clearwater, FL

11:20 a.m.

Impacts of Hurricanes Helene and Milton on Pinellas County Coast

Ping Wang, Ph.D., Elizabeth Royer, Kendal Jackson, Lara Novalvos Hernandez, and Sydney Scott, School of Geosciences, University of South Florida, Tampa, FL

11:40 a.m.

A Tale of Two Cities....and Two Storms

Nicole Sharp, P.E., APTIM, Boca Raton, FL and John Bishop, Ph.D., Environmental Management Division, Pinellas County, Clearwater, FL

12:00 p.m. Adjourn