

North Carolina Association of Floodplain Managers

Annual Conference
Wrightsville Beach, NC May 6 - 8, 2024

PROGRAM

Sunday, May 5 (Pre-Conference Activities)

Noon – 12:30	Annual John Fullerton Memorial Golf Tournament <i>Beverages Provided – Bill Tingle, CFM</i>
12:30 – 6:00 PM	Annual John Fullerton Memorial Golf Tournament <i>Wilmington Municipal Golf Course, Tee Time 12:30 PM – Bill Tingle, CFM</i>
4:30 – 6:30 PM	Registration (Event Space Foyer, Core Sound Room)
5:00 – 8:00 PM	Exhibitor Set-Up (Pre-function Concourse) <i>*Note: Exhibits must be removed before 6:00 PM on Tuesday.</i>
7:00 – until	NCAFPM Board Meeting (Solstice Private Dining Room)
8:00 – until	NCAFPM Hospitality Suite (Room Name/Number)

Monday, May 6 “Big Visions from State Partners”

7:00 – 10:00 AM	Registration and CEC Check-in (Event Space Foyer, Lobby Entry)
7:00 – 8:15	Coffee, Juices, and Assorted Biscuits (Pre-function Concourse)
8:15 AM – Noon	PLENARY SESSION 1 (Lumina Ballroom)
8:15 – 8:30	Welcome <i>Laura Arnold, PE, CFM (NCAFPM Chair)</i> <i>Mike Robinson, CFM (Program Chair)</i>
8:30 – 8:40	Welcome TBD (Mayor of Wrightsville Beach?) [10]
8:40 – 9:40	NCEM Hazard Mitigation, NCFMP, NFIP, and NCGS Updates [60] <i>Steve McGugan, Tom Langan, PE, CFM, Steve Garrett, CFM (State NFIP Coordinator), Gary Thompson, PLS, Deputy Risk Management Chief, Chief NC Geodetic Survey</i>
9:40 – 10:10	FEMA Region IV Updates [30] <i>Jason Hunter (TBD-Invited)</i>
10:10 – 10:30	Break and Silent Auction Open – (Assorted Danishes, Yogurt, Fresh Fruit, and Soft Drinks) (Prefunction Concourse) [20]
10:30 – 11:15	NCDOT’s Roadway to Resilience Update [45] <i>Matt Lauffer, PE, CPM State Hydraulics Design Engineer, NC Department of Transportation, Hydraulics Unit</i>
11:15 – Noon	NC Flood Resiliency Blueprint Update [45] <i>Marc Recktenwald, NC Division of Mitigation Services, NC Department of Environmental Quality (TBD-Invited)</i>
Noon – 1:15 PM	Networking Luncheon – “Flavors de Mexico Buffet” Lunch Buffet (Pre-function Concourse, Lumina Ballroom) 2024 NCAFPM Scholarship Update – Daniel M. Tomczak, CFM, Jacobs

Monday, May 6 (continued)													
1:15 PM to 4:45	PLENARY SESSION 2												
1:15 – 1:45	KEYNOTE ADDRESS: Dutch Embassy [30] <i>TBD-Invited</i>												
1:45 – 2:15	Development of a Resilient Route Identification Tool for NCDOT Using 2D Rain-on-Grid Modeling and SAS Institute's Data Analytics VIYA Platform [30] <i>Barbara Doll, PhD, PE, Jack Kurki-Fox, PhD, PE, and Dan Line, PE, NC Sea Grant and NC State University, Biological & Agricultural Engineering Department</i>												
2:15 – 2:45	Flood Resilience Updates from NCORR [30] <i>Speakers TBD, North Carolina Office of Recovery & Resilience</i>												
2:45 – 3:15	Break and Silent Auction Open – Assorted Snacks, and Soft Drinks (Pre-function Concourse) [30]												
3:15 – 3:45	NC Division of Coastal Management Updates [30] <i>Tancred Miller and Mackenzie Todd, NC Division of Coastal Management, NC Department of Environmental Quality</i>												
3:45 – 4:15	State Construction Office Uniform Floodplain Management Policy and SCO [30] <i>Michael Ali and Raffaele Esposito, State Construction Office, NC Department of Administration</i>												
4:15 – 4:45	FEMA Region IV Updates [30] <i>The Substantial Damage Estimator (SDE): Things Every Community Needs to Know – Valerie Anderson (FEMA Region IV)</i>												
5:00 – 7:00	Exhibitors' Social – Hoes d'oeuvres, Full Bar, 2 drinks tickets provided cash bar after. (Pre-function Concourse)												
All Day	Silent Auction (Pre-function Concourse)												
8:00 – until	NCAFPM Hospitality Suite												
Tuesday, May 7 "Step-by-Step in Local Communities"													
7:30 – 8:30 AM	Registration and CEC Check-in (Event Space Foyer, Lobby Entry)												
7:30 – 8:30	Coffee, Bagels, Fresh Fruit and Assorted Juices (Pre-function Concourse)												
8:30 – 10:00 Note: Duration of individual presentations is in brackets [].	<table border="1"> <thead> <tr> <th>1-A Floodplain Management Technical Session <i>(TBD)</i> Moderator: James Scanlon, CFM (Mecklenburg County)</th> <th>1-B Community Planning Session and Modeling <i>(TBD)</i> Moderator: Holly White, AICP, CFM (NCORR)</th> <th>1-C Field Tour A <i>Battleship North Carolina Flood Resiliency Project</i> Host: Dawn York (Moffatt & Nichol)</th> </tr> </thead> <tbody> <tr> <td>One [30] <i>Updates to the Elevation Certificate (EC) – Steve Garrett, CFM and Eryn Futral, AICP, CFM, CZO (NCEM)</i></td> <td>One [30] <i>City of New Bern: Using GIS for Resiliency – Alice Wilson, AICP, GISP (City of New Bern)</i></td> <td></td> </tr> <tr> <td>Two [30] <i>Letters of Map Change (LOMC) in North Carolina – Scott Gentry, PE, CFM (NCFMP)</i></td> <td>Two [30] <i>City of Fayetteville Watershed Master Plan – Ali Shallal, PhD and Alicia Lanier, PE, CFM (City of Fayetteville)</i></td> <td></td> </tr> <tr> <td>Three [30] <i>Louisiana's Odyssey Towards Higher Standards: Statewide Freeboard Requirement – Gary O'Neal, CFM (Tetra Tech)</i></td> <td>Three [30] <i>TBD (Brown and Caldwell)</i></td> <td></td> </tr> </tbody> </table>	1-A Floodplain Management Technical Session <i>(TBD)</i> Moderator: James Scanlon, CFM (Mecklenburg County)	1-B Community Planning Session and Modeling <i>(TBD)</i> Moderator: Holly White, AICP, CFM (NCORR)	1-C Field Tour A <i>Battleship North Carolina Flood Resiliency Project</i> Host: Dawn York (Moffatt & Nichol)	One [30] <i>Updates to the Elevation Certificate (EC) – Steve Garrett, CFM and Eryn Futral, AICP, CFM, CZO (NCEM)</i>	One [30] <i>City of New Bern: Using GIS for Resiliency – Alice Wilson, AICP, GISP (City of New Bern)</i>		Two [30] <i>Letters of Map Change (LOMC) in North Carolina – Scott Gentry, PE, CFM (NCFMP)</i>	Two [30] <i>City of Fayetteville Watershed Master Plan – Ali Shallal, PhD and Alicia Lanier, PE, CFM (City of Fayetteville)</i>		Three [30] <i>Louisiana's Odyssey Towards Higher Standards: Statewide Freeboard Requirement – Gary O'Neal, CFM (Tetra Tech)</i>	Three [30] <i>TBD (Brown and Caldwell)</i>	
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10:00 – 10:30	BREAK – Cinnamon Buns, Assorted Fruit Yogurt Soft Drinks. Coffee (Pre-function Concourse)												

<p>10:30 – Noon</p> <p>Note: Duration of individual presentations is in brackets [].</p>	<p>2-A Mapping and Modeling Session (TBD) Moderator: Kurt Golembesky, PE, CFM (NCDOT)</p> <p>One [30] <i>2D Diffusion Wave Transform Method for HEC-HMS – Barnard Mondal, PE and Ken Trefzger, PE (HDR)</i></p> <p>Two [30] <i>Data-Driven Floodplain Management and Regulation in Clearwater, FL: Using Models and Maps to Take Future Conditions Into Account – Susanna Pho (Forerunner)</i></p> <p>Three [30] <i>Approach and Challenges in Calibrating Rain-on-Grid 2D BLE Hydraulic Models, Case Study – Paniz Mohammadpour (AtkinsRealis)</i></p>	<p>2-B Nature-Based Solutions Session (TBD) Moderator: Jason Hetrick, PE, CFM (McCormick Taylor)</p> <p>One [30] <i>What Do Nature-Based Solutions Look Like in Practice, and How Are They Vital to Flood Mitigation and Resiliency – Ed Dickson, PE, CFM (Freese & Nichols)</i></p> <p>Two [30] <i>What Nature-Based Solutions Are (and What They Are Not!) and How They Can Work with Gray Structural Flood Mitigation Practices – Crystal Moore and Kirsten Ullman (KCI)</i></p> <p>Three [30] <i>Evaluating the Effectiveness of Woody Debris Removal for Mitigating Flooding – Jack Kurki-Fox, PhD, PE, NC State University, Biological & Agricultural Engineering Department)</i></p>	<p>2-C Field Tour A (Continued) <i>Battleship North Carolina Flood Resiliency Project</i></p> <p>Host: Dawn York (Moffatt & Nichol)</p>
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Tuesday, May 7

<p>Noon – 1:30 PM</p>	<p>Networking Luncheon – Create your own Deli Buffett (<i>Pre function Concourse, Lumina Ballroom</i>) NFIP State Coordinator’s Corner – Steve Garrett, CFM, NC NFIP State Coordinator Special Recognition – Ken Ashe, CFM, PE, NCAFPM Chair NCAFPM Chapter Meeting – Bill Tingle, CFM, NCAFPM Executive Director</p> <ul style="list-style-type: none"> • Changes to Bylaws • Chapter Renewal • NCAFPM Board Elections 		
<p>1:30 – 3:00</p>	<p>3-A Community Rating System (CRS) Session <i>(TBD)</i> Moderator: Ken Vafier, CFM</p> <p>One [30] <i>CRS Repetitive Loss (RL) Area Analysis (AA): You’re Closer Than You May Think</i> – Melissa Mitchell, CFM (Tetra Tech)</p> <p>Two [30] <i>Federal Flood Risk Management Standard (FFRMS)</i> – Woodson Smith (AtkinsRealis)</p> <p>Three [30] <i>CRS: Is Your Community Living Up to Its Full Potential?</i> – Melissa Mitchell, CFM (Tetra Tech)</p>	<p>3-B Equity Session <i>(TBD)</i> Moderator: Holly White, AICP, CFM (NCORR)</p> <p>One [45] <i>Advancing Equity in North Carolina: An Engineer’s Handbook</i> – Ummekulsoom Lalani, MPP, PMP and Lauren Sester, EI, CFM (AtkinsRealis)</p> <p>Two [45] <i>Integrating Equity into Planning</i> – JaLeesa Tate, CFM (Tetra Tech)</p>	<p>3-C Field Tour B <i>(Clear Run Stream Restoration Project)</i></p> <p>Host: Fred Royal (City of Wilmington) and Jeff Crump (Moffatt & Nichol)</p> <p>3-D Certified Floodplain Manager (CFM) Exam Refresher <i>(TBD)</i></p> <p>Moderators: Steve Garrett, CFM and Stacey Fuller, CFM (NCEM)</p>
<p>3:00 – 3:15 BREAK – Assorted Snacks, and Soft Drinks (<i>Pre function Concourse</i>)</p>			
<p>3:15 – 4:30</p>	<p>4-A Mapping and Modeling Session <i>(TBD)</i> Moderator: Laura Arnold, PE, CFM (AECOM)</p> <p>One [15] <i>2025 Datum Changes: Updates and Reminders</i> – Gary Thompson, PLS (NCGS)</p> <p>Two [30] <i>Finding Solutions to Flooding Using Modeling and Community Engagement in the City of Raleigh</i> – Elizabeth Karivelil and Lauren Strader (Brown and Caldwell) and Barbara (City of Raleigh)</p> <p>Three [30] <i>Beneath the Surface: Unveiling Hidden Depths of Flood Resilience with USGS 3DNTM</i> – Tyson James PE, CFM (AECOM)</p>	<p>4-B Stormwater Session <i>(TBD)</i> Moderator: Todd Kennedy (HDR)</p> <p>One [15] <i>Flood Modeling for a Changing Coast</i> – Ross Perry, PE, CFM (WithersRavenel)</p> <p>Two [30] <i>Collaboration: Win-Win Partnerships in Data Collection</i> Alicia Lanier, PE, CFM, HSDP (City of Fayetteville), Scott Brookhart, PE, CFM (Arcadis), and David Key, PE, CFM (ESP Associates)</p> <p>Three [30] <i>City of Aiken, SC CMAC Sand River Stormwater Project: Performance Evaluations and Observations After One-Year of Operation</i> – Jason Hetrick (McCormick Taylor)</p>	<p>4-C Field Tour B Continued <i>(Clear Run Stream Restoration Project)</i></p> <p>Host: Fred Royal (City of Wilmington) and Jeff Crump (Moffatt & Nichol)</p> <p>4-D Certified Floodplain Manager (CFM) Exam Refresher (Continued) <i>(TBD)</i></p> <p>Moderators: Steve Garrett, CFM and Stacey Fuller, CFM (NCEM)</p>
<p>4:30 – 5:00 Close Out Silent Auction (<i>Pre-function Concourse</i>)</p>			
<p>6:30 – 9:00</p>	<p>Conference Social Outdoor Palms of Lumina near pool Low Country Boil , Games, Bar 2 drink tickets provided cash bar after. In the event of bad weather we will be in the Lumina ballroom</p>		

9:00 – Until	NCAFPM Hospitality Room		
Wednesday, May 8: “Step-by-Step” Continued and Closing Plenary			
7:30 – 9:00 AM	Registration - CEC Check-in (<i>Event Space Foyer, Lobby Entry</i>)		
7:30 – 8:30	Coffee and Continental Breakfast, Juices, and fresh Fruit (<i>Pre-function Concourse</i>)		
8:30 – 10:00	<p>5-A Dam Safety Session <i>(TBD)</i> Moderator: Virginia Spillman, CFM (City of Greensboro)</p> <p>One [30] <i>NCDEQ Dam Safety Program Updates – Toby Vincent and/or Josh Colley (NCDEQ) (TBD-Invited)</i></p> <p>Two [30] <i>City of Dunn Dam Repair Planning and Design – Rick Savage (Carolina Wetlands) (TBD-Invited)</i></p> <p>Three [30] <i>Lewis Dam Failure: Dam Safety in a Changing Climate and Lessons Learned – Holly Miller, PE, CFM, CPESC (Tetra Tech)</i></p>	<p>5-B Stream Restoration and Design Session <i>(TBD)</i> Moderator: Alicia Lanier, PE, CFM, HSDP (City of Fayetteville)</p> <p>One [30] <i>City of Wilmington Clear Run Branch Stream Restoration Project – Fred Royal, CFM (City of Wilmington) and Jeff Crump (Moffatt & Nichol)</i></p> <p>Two [30] <i>Bang for your Buck! How Flood Risk was Reduced, a Stream was Restored, and Habitat for a Listed Species and Trout was Improved – Phillip Todd (Freese & Nichols)</i></p> <p>Three [30] <i>NC State Coastal Dynamics Design Lab – Andy Fox, FASLA, PLA (NC State College of Design)</i></p>	<p>5-C Certified Floodplain Manager (CFM) Exam <i>(Soundwatch)</i></p> <p>Moderators: <i>Bill Tingle, PG, CFM and Melonee Brock, CFM (NCAFPM)</i></p>
10:00 – 10:30	BREAK – Homemade Gourmet Cookies, Soft Drinks (<i>Pre-function Concourse</i>)		
10:30 – Noon	CLOSING PLENARY		5-C Certified Floodplain Manager CFM Exam (Continued) <i>(Soundwatch)</i>
10:30 – 11:00	Advancements in Floodplain Management: A Focus on Transportation Research Board's Past and Present Research in Floodplain Management, Mapping and Resiliency – Kurt Golembesky, PE, CFM (NCDOT) [30]		Moderators: <i>Bill Tingle, PG, CFM and Melonee Brock, CFM (NCAFPM)</i>
11:00 – 11:30	NCORR North Carolina Resilience Exchange – Holly White, CFM (NCORR) [30]		
11:30 – Noon	Conference Closing and Prize Giveaways [30] <i>Ken Ashe, PE, CFM (Immediate Past Chair, NCAFPM)</i>		
Noon	CONFERENCE ADJOURNS		

PRESENTERS

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