

## **PROGRAM**

Sunday, May 5 (I	Pre-Conference Activities)	
Noon – 12:30	Annual John Fullerton Memorial Golf Tournament Beverages Provided – Bill Tingle, CFM	
12:30 – 6:00 PM	Annual John Fullerton Memorial Golf Tournament Wilmington Municipal Golf Course, Tee Time 12:30 PM – Bill Tingle, CFM	
4:30 – 6:30 PM	Registration (Event Space Foyer, Core Sound Room)	
5:00 – 8:00 PM	Exhibitor Set-Up (Prefunction Concourse) *Note: Exhibits must be removed before 6:00 PM on Tuesday.	
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 (Prefunction Concourse)	
8:15 AM – Noon	PLENARY SESSION 1 (Lumina Ballroom)	
8:15 – 8:30	Welcome and Updates Laura Arnold, PE, CFM (NCAFPM Vice Chair) Mike Robinson, CFM (NCAFPM Program Chair) Bill Tingle, CFM (NCAFPM Executive Director)	
8:30 - 8:40	Welcome – Mayor of Wrightsville Beach [10]	
8:40 – 9:40	NCEM Hazard Mitigation, NCFMP, NFIP, and NCGS Updates [60] Steve McGugan (State Hazard Mitigation Officer); Steve Garrett, CFM (State NFIP Coordinator); Chris Crew (Mitigation Plans Manager); and Gary Thompson, PLS (Deputy Hazard Mitigation Chief, NC Geodetic Survey Chief)	
9:40 – 10:10	<b>FEMA Region IV Updates</b> [30] Jason Hunter, CFM, Floodplain Management and Insurance Branch Chief, Mitigation Division, FEMA Region 4	
10:10 - 10:30	<b>Break and Silent Auction Open</b> – (Assorted Danishes, Yogurt, Fresh Fruit, and Soft Drinks) (Pre-function Concourse) [20]	
10:30 – 11:15	<b>NCDOT's Roadway to Resilience Update</b> [45] Matt Lauffer, PE, CPM State Hydraulics Design Engineer, NC Department of Transportation, Hydraulics Unit	
11:15 – Noon	<b>NC Flood Resiliency Blueprint Update</b> [45] Marc Recktenwald, NC Division of Mitigation Services, NC Department of Environmental Quality	
Noon – 1:15 PM	Networking Luncheon – "Flavors de Mexico Buffet" Lunch Buffet (Prefunction 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	<b>KEYNOTE ADDRESS: Development of a Resilient Route Identification Tool for NCDOT Using 2D Rain-on-Grid</b> <b>Modeling and SAS Institute's Data Analytics VIYA Platform</b> [30] Barbara Doll, PhD, PE – NC Sea Grant and NC State University, Biological & Agricultural Engineering Department			
1:45 – 2:15	North Carolina Geospatial Data Upd Colleen Kiley, GISP, CFM, NC Center fo	ate [30] or Geographic Information and Analys	is	
2:15 – 2:45	Flood Resilience Updates from NCOR Holly White, AICP, CFM and Jeff Roya	<b>R [</b> 30] I, North Carolina Office of Recovery & I	Resiliency	
2:45 – 3:15	Break and Silent Auction Open – Ass	orted Snacks and Soft Drinks (Prefunct	ion Concourse) [30]	
3:15 – 3:45	NC Division of Coastal Management Updates [30] Kasen Wally, Coastal Resilience Specialist, NC Division of Coastal Management, NC Department of Environmental Quality			
3:45 – 4:15	State Construction Office Uniform Floodplain Management Policy Updates [30] Michael Ali, State Construction Office, NC Department of Administration			
4:15 – 4:45	<b>FEMA Region IV Updates</b> [30] Substantial Damage Administrative Procedures Program (SDAP): Things Every Community Needs to Know – Valerie Anderson, Floodplain Management Specialist, Floodplain Management and Insurance Branch, FEMA Region 4			
5:00 - 7:00	Exhibitors' Social – Hoes d'oeuvres, Fu	ll Bar (2 drink tickets provided w/Cash Bo	ar after) (Prefunction Concourse)	
All Day	Silent Auction (Prefunction Concourse	2)		
8:00 – until	NCAFPM Hospitality Suite			
Tuesday, May 7 "	Step-by-Step in Local Communitie	s"		
7:30 – 8:30 AM	Registration and CEC Check-in (Event	Space Foyer, Lobby Entry)		
7:30 – 8:30	Coffee, Bagels, Fresh Fruit and Ass	orted Juices (Prefunction Concourse)		
8:30 – 10:00 Note: Duration of individual presentations is in brackets [].	<ul> <li>1-A Floodplain Management Technical Session (Masonboro) Moderator: TBD</li> <li>One [30] Updates to the Elevation Certificate (EC) – Steve Garrett, CFM and Eryn Futral, AICP, CFM, CZO (NCEM)</li> <li>Two [30] Letters of Map Change (LOMC) in North Carolina – Scott Gentry, PE, CFM (NCFMP)</li> <li>Three [30] Louisiana's Odyssey Towards Higher Standards: Statewide Freeboard Requirement – Gary O'Neal, CFM (Tetra Tech)</li> </ul>	<ul> <li>1-B Community Planning and GIS Session (Airlie)</li> <li>Moderator: Holly White, AICP, CFM (NCORR)</li> <li>One [30] City of New Bern: Using GIS for Resiliency – Alice Wilson, AICP, GISP (City of New Bern)</li> <li>Two [30] City of Fayetteville Watershed Master Plan – Ali Shallal, PhD and Alicia Lanier, PE, CFM (City of Fayetteville)</li> <li>Three [30] Technologies, Techniques and Tips for Conducting Post-Flood Response in Mecklenburg County, NC – James Scanlon, CFM, GISP (Mecklenburg County, NC)</li> </ul>	<ul> <li>1-C Mapping and Modeling Session (TBD)</li> <li>Moderator: TBD</li> <li>One [30]</li> <li>Modeling a Receiving</li> <li>Watershed Based on FEMA</li> <li>New Protocol: Decoupled VS</li> <li>Coupled Approaches – Khaled</li> <li>Pordel, PE, CFM (AtkinsRealis)</li> <li>Two [30]</li> <li>Watershed Modeling: Isn't</li> <li>Hydrology Supposed to be the</li> <li>Simple Task? – Steve Godfrey, PE,</li> <li>CFM (Woolpert)</li> <li>Three [30]</li> <li>Uses of Topobathymetric LIDAR and</li> <li>Teledyne Optech CZMIL Sensor –</li> <li>Ryan Ligon (Dewberry)</li> </ul>	
1-D Field Tour A Battleship North Carolin Host: Dawn York (Moffa	<b>a Flood Resiliency Project</b> tt & Nichol)	<b>1-E Hazard Mitigation Grant</b> " (Soundwatch) <b>Host:</b> NCEM		
10:00 - 10:30				

10:30 – Noon Note: Duration of individual presentations is in brackets [ ].	<ul> <li>2-A Mapping and Modeling Session (Masonboro) Moderator: Kurt Golembesky, PE, CFM (NCDOT)</li> <li>One [30]</li> <li>2D Diffusion Wave Transform Method for HEC-HMS – Barnard Mondal, PE and Ken Trefzger, PE (HDR)</li> <li>Two [30]</li> <li>Data-Driven Floodplain Management and Regulation in Clearwater, FL: Using Models and Maps to Take Future Conditions Into Account – Susanna Pho (Forerunner)</li> <li>Three [30]</li> <li>Approach and Challenges in Calibrating Rain-on-Grid 2D BLE Hydraulic Models, Case Study – Paniz Mohammadpour (AtkinsRealis)</li> </ul>	2-B Nature-Based Solutions Session (Airlie) Moderator: Jason Hetrick, PE, CFM (McCormick Taylor) One [30] What Do Nature-Based Solutions Look Like in Practice, and How Are They Vital to Flood Mitigation and Resiliency – Phillip Todd (Freese & Nichols) Two [30] 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) Three [30] Evaluating the Effectiveness of Woody Debris Removal for Mitigating Flooding –, Jack Kurki- Fox, PhD, PE, NC State University, Biological & Agricultural Engineering Department)	2-C Innovative Technologies and Activities Session (TBD) Moderator: Stephen Smith, CFM (Town of Ayden) One [30] TBD Two [30] Business Case and Goals Attained from Completing the Downtown Cramerton Parking & Stormwater Management Project – Danny Lee Watson, PE, CFM, PMP (LaBella Associates) Three [30] Floodplain Design, Construction & Impacts on Flood Insurance – Drew Gerling (Floodproofing.com)
2-D Field Tour A (Contin Battleship North Carolin Host: Dawn York (Moffa	a Flood Resiliency Project	<b>1-E Hazard Mitigation Grant "</b> <i>(Soundwatch)</i> <b>Host:</b> NCEM	Office Hours" (Continued)

Tuesday, May 7			
Noon – 1:30 PM			
1:30 - 3:00	3-A Community Rating System (CRS) Session (Masonboro) Moderator: Ken Vafier, CFM One [30] CRS Repetitive Loss (RL) Area Analysis (AA): You're Closer Than You May Think – Melissa Mitchell, CFM (Tetra Tech) Two [30] Improve Multiple CRS Classes with Low-Hanging Fruit and Proper Documentation – Daryl Norris, PE, CFM (City of Greenville) Three [30] CRS: Is Your Community Living Up to Its Full Potential? – Melissa Mitchell, CFM (Tetra Tech)	<ul> <li><b>3-B Equity Session</b> (Airlie)</li> <li><b>Moderator</b>: Holly White, AICP, CFM (NCORR)</li> <li><b>One</b> [45]</li> <li>Advancing Equity in North Carolina: An Engineer's Handbook – Ummekulsoom Lalani, MPP, PMP and Lauren Sester, EI, CFM (AtkinsRealis)</li> <li><b>Two</b> [45]</li> <li>Integrating Equity into Planning – JaLeesa Tate, CFM (Tetra Tech)</li> </ul>	3-C Nature-Based Solutions Session (TBD) Moderator: James Scanlon, CFM (Mecklenburg County) One [30] Nature-based Design for Resiliency Purposes – Case Study: Using Bivalves to Decrease Scour in Place of Traditional Means – Joanna Quiah, PE (Burns & McDonnell) Two [30] TBD Three [30] TBD
<b>3-D Field Tour B</b> <i>Clear Run Stream Restor</i> <b>Host:</b> <i>Fred Royal (City of</i> <i>Nichol)</i>	r <b>ation Project</b> Wilmington) and Jeff Crump (Moffatt o	<b>3-E Certified Floodplain Mana</b> (Soundwatch) & <b>Moderator:</b> Steve Garrett, CFN	
3:00 - 3:15	BREAK – Assorted Snacks and Soft Dr	inks (Prefunction Concourse)	

3:15 – 4:30	4-A Mapping and Modeling Session		4-C Overflow (Tentative)	
	(Masonboro) Moderator: Laura Arnold, PE,		(TBD) Moderator: TBD	
	CFM (AECOM) One [15] 2025 Datum Changes: Updates and Reminders – Gary Thompson, PLS (NCGS) Two [30] Finding Solutions to Flooding Using Modeling and Community Engagement in the City of Raleigh – Elizabeth Karivelil (Brown & Caldwell) Three [30] Beneath the Surface: Unveiling Hidden Depths of Flood Resilience with USGS 3DNTM – Tyson James PE, CFM (AECOM)	One [15] Flood Modeling for a Changing Coast – Ross Perry, PE, CFM (WithersRavenel) Two [30] Win-Win! Partnerships for Flood Warning – Alicia Lanier, PE, CFM, HSDP (City of Fayetteville), Scott Brookhart, PE, CFM (Arcadis), and David Key, PE, CFM (ESP Associates) Three [30] City of Aiken, SC CMAC Sand River Stormwater Project: Performance Evaluations and Observations After One-Year of Operation – Jason Hetrick (McCormick Taylor)		
4-D Field Tour B (Contir			r (CFM) Exam Refresher (Continued)	
Clear Run Stream Resto	ration Project	(Soundwatch)		
Host: Fred Royal (City o Nichol)	f Wilmington) and Jeff Crump (Moffatt	& Moderator: Steve Garrett, CFM (	NCEM)	
4:30 - 5:00	Close Out Silent Auction (Prefunction	Concourse)		
6:30 – 9:00		Conference Social – Outdoor Palms of Lumina near pool: Low Country Boil, Games, Full Bar (2 drink tickets provided w/Cash Bar after). In the event of bad weather, the social will be held in the Lumina Ballroom.		
9:00 – Until	NCAFPM Hospitality Room			
Wednesday, Ma	y 8: "Step-by-Step" Continued and	l Closing Plenary		
7:30 – 9:00 AM	Registration – CEC Check-in (Event Sp	ace Fover. Lobby Entry)		
7:30 - 8:30		es, and Fresh Fruit (Prefunction Concours	وا	
			•	
8:30 – 10:00	5-A Dam Safety Session (Masonboro) Moderator: Virginia Spillman, CFM (City of Greensboro) One [30]	5-B Stream Restoration and Design Session (Airlie) Moderator: Alicia Lanier, PE, CFM, H (City of Fayetteville)		
	NCDEQ Dam Safety Program Updates – Toby Vincent and/or Josh Colley (NCDEQ) (TBD-Invited) <b>Two</b> [30] City of Dunn Dam Repair Planning and	City of Wilmington Clear Run Branch Stream Restoration Project – Fred Ro CFM (City of Wilmington) and Jeff Cr (Moffatt & Nichol)	yal, CFM (NCAFPM)	
	Changing – Rick Savage (Carolina Wetlands) Three [30] Lewis Dam Failure: Dam Safety in a Changing Climate and Lessons Learned – Holly Miller, PE, CFM, CPES	<b>Two</b> [30] Bang for your Buck! How Flood Risk w Reduced, a Stream was Restored, an Habitat for a Listed Species and Trou was Improved – Ian Jewell (Freese & Nichols)	d	

	NC State Coastal Dynamics Design Lab Travis Klondike (NC State College of Design)	_	
10:00 - 10:30	BREAK – Homemade Gourmet Cookies and Soft Drinks (Prefunction Concourse)		
10:30 – Noon	CLOSING PLENARY	5-C Certified Floodplain	
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]	Manager CFM Exam (Continued) (Soundwatch)	
11:00 - 11:30	NCORR North Carolina Resilience Exchange – Andrea Webster (NCORR) [30]	Moderators:	
11:30 – Noon	<b>Conference Closing and Prize Giveaways</b> [30] Ken Ashe, PE, CFM (Immediate Past Chair, NCAFPM)	Bill Tingle, PG, CFM and Melonee Brock, CFM (NCAFPM)	
Noon	CONFERENCE ADJOURNS		

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