



Fall Floodplain Institute

NORTH CAROLINA ASSOCIATION OF FLOODPLAIN MANAGERS

PROGRAM (DRAFT)

19th Annual Fall Floodplain Institute
October 9-11, 2024
Cherokee, NC

Tuesday, October 8	
6:00 PM – 9:00 PM	NCAAFPM Board Meeting (<i>Birch</i>)
Wednesday, October 9	
9:00 AM – 1:00 PM	Vendor Exhibit Setup (<i>Oak</i>)
12:30 – 1:45 PM	Registration (<i>Council Fire Ballroom Prefunction Area</i>)
1:45 – 3:15 PM Note: Duration of individual presentations is in brackets [].	<p>PLENARY SESSION 1: OPENING (<i>Locust/Hickory</i>) <i>Master of Ceremonies: Laura Arnold, PE, CFM (NCAAFPM Chair)</i></p> <p>Welcome to FFI: <i>Laura Arnold, PE, CFM (NCAAFPM Chair) [10]</i></p> <p>Welcome to Cherokee [10]</p> <p>ASFPM/CFM/Chapter Updates: <i>Bill Tingle, CFM (NCAAFPM Executive Director) [20]</i></p> <p>Scholarship Program: <i>Laura Arnold, PE, CFM (NCAAFPM Chair) [10]</i></p> <p>Student Chapter: <i>Amit Sachan, PE, CFM (AtkinsRéalis) [10]</i></p> <p>Federal Emergency Management Agency (FEMA) Region 4 Update: <i>Jason Hunter, CFM [30]</i></p>
3:15 – 3:45 PM	BREAK – Refreshments (<i>Oak</i>)
3:45 – 5:15 PM Note: Duration of individual presentations is in brackets [].	<p>PLENARY SESSION 2: STATEWIDE UPDATES (<i>Locust/Hickory</i>) <i>Moderator: Ken Ashe, PE, CFM (Summit)</i></p> <p>North Carolina Emergency Management (NCEM) Update: <i>Steve McGugan, Chris Crew, CFM, and Steve Garrett, CFM [30]</i></p> <p>North Carolina Office of Recovery and Resiliency (NCORR) Update: <i>Holly B. White, AICP, CFM and Staff [30]</i></p> <p>FEMA Region 4: NFIP Compliance Audit Program: <i>Valerie Anderson, Floodplain Management Specialist [30]</i></p>
5:15 – 5:45 PM	Registration (<i>Council Fire Ballroom Prefunction Area</i>)
5:30 – 7:00 PM	Exhibitors' Social – Refreshments (<i>Oak</i>)
9:00 – 11:00 PM	Hospitality Suite Open (<i>Suite 220</i>)

Thursday, October 10			
7:00 – 10:30 AM	Registration (<i>Council Fire Ballroom Prefunction Area</i>)		
7:00 – 8:30 AM	Morning Meet and Greet - (Oak)		
8:30 – 10:00 AM Note: Duration of individual presentations is in brackets [].	PLENARY SESSION 3: STATEWIDE UPDATES (<i>Locust/Hickory</i>) <i>Moderator: Ken Ashe, PE, CFM (Summit)</i> NC State Climate Office Update: <i>Jared Bowden [30]</i> North Carolina Department of Environmental Quality (NCDEQ) Resiliency Blueprint Update: <i>Marc Recktenwald (Invited) [30]</i> North Carolina Department of Transportation (NCDOT) Resiliency Update: <i>Brian M. Radakovic, PE, CFM (Invited) [30]</i>		
10:00 – 10:30 AM	BREAK – Refreshments (<i>Oak</i>)		
10:30 AM – 12:00 PM Note: Duration of individual presentations is in brackets [].	1-A General Session <i>(Oak)</i> <i>Moderator: Melonee Brock, (Mecklenburg County)</i> One [30] <i>Town of Duck Living Shoreline & Resiliency Project: A Multi-Faceted Approach to Coastal Resiliency – Jim Gould, Community Planner (Town of Duck)</i> Two [30] <i>It's All Runoff and Stream Flow to Me: NCDOT's Approaches to Water Management – Kurt Golembesky, PE, CFM (NCDOT)</i> Three [30] <i>Integrating the Floodplain Development Ordinance into Unified Development Ordinances and Regulatory Practices Designed To Mitigate Flood Hazards – Austin Brinkley AICP, CFM, CZO (Insight Planning & Development)</i>	1-B Technical Session <i>(Hickory)</i> <i>Moderator: Virginia Spillman, PE, CFM (Greensboro)</i> One [30] <i>City of Raleigh Prioritization Scoring for Mitigating Flood Prone Properties – Allison Bryan, PE, CFM (City of Raleigh) and Nathan Slaughter, AICP, CFM (ESP Associates, Inc.)</i> Two [15] <i>Ditch the Berms and Restore Floodplains! – Julie Fino, PE and Miriam Badre, EI (Wildlands Engineering, Inc.)</i> Three [45] <i>Hydrology and Hydraulics Analysis, Permit Applications, and Stakeholder Coordination in a Flood Control Project: Lessons from Lumberton City Flood Gate – Amit Sachan, PE and Rahish Khatri, PE (AtkinsRéalis) and Robert Armstrong, PE (City of Lumberton)</i>	1-C <i>(Ash and Beach Combination)</i> <i>Build Your Climate Resilience Planning Toolbox: New Resources for North Carolina's Communities – Nicole Goddard (NCORR) and Holly White (NCORR) [45]</i>
12:00 – 1:15 PM	LUNCH BUFFETT INCLUDED (<i>Oak</i>)		
1:30 – 3:00 PM Note: Duration of individual presentations is in brackets [].	2-A General Session <i>(Oak)</i> <i>Moderator: Ken Vafier, CFM (New Hanover County)</i> One [45] <i>CRS For Everyone – Mathew Hornack, PE, CFM and James Scanlon, GISP, CFM (Mecklenburg County)</i> Two [45] <i>Downtown Cramerton Parking and Stormwater Management Project – Danny Lee Watson, PE, CFM, PMP (LaBella Associates, P.C.) and Joshua Watkins, AICP, CFM (Town of Cramerton)</i>	2-B Technical Session <i>(Hickory)</i> <i>Moderator: Dan Tomczak, CFM (Jacobs)</i> One [45] <i>Advancements in Radar-based Rainfall Estimation Techniques and High Resolution Rainfall Forecasting – Apoorva Bajaj, Dr. Micheal Simpson, and Dr. Chunxi Zhang (Climavision)</i> Two [45] <i>Flood Forecast Modeling in Urban Areas Under Heavy Precipitation Using SAS – Dori Sabeh, PE, GISP (WithersRavenel) and Dev Kakde (SAS)</i>	2-C CFM Review <i>(Ash and Beach Combined)</i> <i>Facilitator: Steve Garrett, CFM, State NFIP Coordinator (NCEM) and Terry Foxx, Western NFIP Planner (NCEM)</i>

Thursday, October 10 (cont.)

3:00 – 3:30 PM	BREAK – REFRESHMENTS (Oak)		
3:30 – 5:00 PM	3-A General Session (Oak) Moderator: Holly White, CFM (NCORR)	3-B Technical Session (Hickory) Moderator: James Scanlon GISP, CFM, (Mecklenburg County)	3-C CFM Review (Ash and Beach Combined)
Note: Duration of individual presentations is in brackets [].	One [30] Connecting Downstream Communities with Upstream Solutions: Watershed Collaboration and the Flood Resilience Blueprint – Michelle Lovejoy, Senior Manager, Climate Resilient Coasts & Watersheds (Environmental Defense Fund)	One [30] HEC-RAS 2D Modeling and Mapping of Urban Flood Hazard Areas – Barnard Mondal, PE (HDR Engineering Inc. of the Carolinas)	Facilitator: Steve Garrett, CFM, State NFIP Coordinator (NCEM) and Terry Foxx, Western NFIP Planner (NCEM)
	Two [30] Engaging Your Public in the Flood Map Open House Meeting – Stacey Fuller, CFM (NCEM)	Two [30] Case Study in 2D Floodway Modeling – Mathew Hornack, PE, CFM (Mecklenburg County) and Cameron King (Freese and Nichols)	
	Three [30] Watershed Planning in Historically Underserved Communities – Elizabeth Karivelil (Brown and Caldwell)	Three [30] GIS-Based Assessment on the Impact of SLOSH Model Hurricane on Wilmington, North Carolina – Edwin Kotey (MacConnell and Associates, P.C.)	

5:00 PM	Dinner on your own
7:30 – 11:00 PM	Hospitality Suite Open (Suite 220)

Friday, October 11

7:30 – 8:30 AM	Registration (Council Fire Ballroom Prefunction Area)		
7:30 – 8:30 AM	Morning Meet and Greet - (Oak)		
8:30 – 10:00 AM	4-A General Session (Locust) Moderator: Ric Ledford, CFM (Asheville)	4-B Technical Session (Hickory) Moderator: Steve Garrett, CFM (NCEM)	4-C CFM Exam (Ash and Beach Combined) 8:30 – 11:30 AM [3 hr]
Note: Duration of individual presentations is in brackets [].	One [30] Building Successful Drainage and Stream Programs – Mani Kumar, MPA, M.S., P.E., PMP, ENV-SP, PTOE (City of Raleigh)	One [30] Texas Water Development Board High Water Mark Project – Hope Morgan, PLS, GISP, CFM (AECOM)	Proctor: Bill Tingle, CFM Melonee Brock, CFM
	Two [30] Ode to Code Enforcement: “Help, I’ve got a Complicated Order” – Nathan L. Pennington, CFM (Buncombe County Planning Director) and Angela Lee, CFM (Buncombe County Floodplain Administrator)	Two [30] Evaluating Survey Needs for Fairfax County, VA Hydraulic Modeling – Brennan Pitts, EI and Robert Rizzuto, EI (AtkinsRéalis)	
	Three [30] Bridging the Gap: Trustworthy AI for Effective Floodplain Management – Daniel Kang, Water Resources Engineer and Tyson James, PE, CFM, Water Resources Engineer (AECOM)	Three [30] Dam Removal for Habitat Restoration and Flood Resiliency - Jake McLean, PE, CFM (Wildlands Engineering, Inc.)	
10:00 – 10:30 AM	BREAK – Refreshments (Council Fire Ballroom Prefunction Area)		

Friday, October 11 (cont.)

<p>10:30 AM – 12:00 PM</p> <p>Note: Duration of individual presentations is in brackets [].</p>	<p>PLENARY SESSION 4: CLOSING PLENARY (<i>Locust/Hickory</i>) <i>Moderator: Mike Robinson, CFM (NCAFPM Vice-Chair)</i></p> <p>Panel Discussion: Challenges Local Governments Face Enforcing the Floodplain Development Ordinance and Participating in Mitigation – <i>Ryan Cox (Insight) [45]</i></p> <p>Conference Close-out, Joint NC/SC Spring Conference 2025, and Prize Giveaways (Must be Present to Win!): <i>Laura Arnold, PE, CFM (NCAFPM Chair) and Ken Ashe, PE, CFM (NCAFPM Past-Chair) [45]</i></p>	
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Council Fire Ballroom Floorplan

