



Fall Floodplain Institute
 NORTH CAROLINA ASSOCIATION OF FLOOD PLAIN MANAGERS

PROGRAM
16th Annual Fall Floodplain Institute
October 19-22, 2021 - Cherokee, NC

Tuesday, October 19	
1:00 PM – 6:00 PM	The Inaugural John Fullerton Golf Outing (Sequoia National Golf Club, 79 Cahons Road, Whittier, NC) Sponsored by INSIGHT <i>Coordinator: Bill Tingle (NCAFPM)</i>
6:30 PM – 9:00 PM	NCAFPM Board Meeting <i>NCAFPM Board Members</i>
9:00 – 11:00 PM	Hospitality Suite Open (Room TBD)
Wednesday, October 20	
7:00 – 8:30 AM	Registration (Pre-Function Area)
8:30 – 10:00 AM	PLENARY SESSION 1 (Room TBD) <i>Master of Ceremonies: Ken Ashe – NCFMP Chair</i> Tribal Opening Ceremony – Eastern Band of Cherokee Indians – Drum Group [10] Welcome to Cherokee [5] <i>Michael LaVoie – Natural Resources Program Manager, Eastern Band Cherokee Indians</i> Welcome to the 16th Annual Fall Floodplain Institute [15] <i>Ken Ashe, PE, CFM (NCAFPM Chair)</i> NC Office of Recovery and Resilience Updates (NCORR Initiatives) [30] <i>Amanda Martin, PhD* (NCORR)</i> ASFPM/FEMA Update [30] <i>Bill Tingle, CFM (NCAFPM Executive Director)</i> * Virtual
10:00 – 10:30 AM	BREAK Sponsored by STEWART – Snacks / Drinks (Pre-Function Area)
10:30 – 12:00 PM	PLENARY SESSION 2 – North Carolina Initiatives (Virtual) (Room TBD) <i>Moderator: Ric Ledford, CFM (City of Ashville)</i> NC Floodplain Mapping Update (Virtual) [45] <i>Chris Koltyk* (NCEM)</i> <i>Tom Langan, PE, CFM* (NCEM)</i> <i>Gary Thompson, PLS* (NCEM)</i> <i>Tonda Shelton, CFM* (NCEM)</i> <i>Steve Garrett, CFM* (NCEM)</i> North Carolina’s New Natural Infrastructure Flood Mitigation Program [45] <i>Tim Baumgartner (NCDEQ)</i> <i>Kirsten Ullman, CFM (NCDEQ)</i> * Virtual
12:00 – 1:15 PM	Lunch <i>Menu TBD</i> (Room TBD)

<p>1:30 – 3:00 PM</p>	<p>Technical Track (Room TBD) <i>Moderator: Bill Tingle (NCAFPM)</i></p> <p>Incorporating Natural Channel Design with Flood Mitigation Projects in North Carolina: Lessons from a Flood Mitigation Hotspot [30] <i>Bryan Dick, PE (Freese and Nichols)</i> <i>Emily Brown (Freese and Nichols)</i></p> <p>Northeast Cape Fear River – 1D/2D Modeling [30] <i>Matthew Dudley, PE, CFM (ESP Associates)</i></p> <p>An alternative approach to riprap stream bank stabilization – City of Greensboro Case Study [30] <i>Rebecca Purvis, PE (Atkins) and Johnnie Hill (City of Greensboro)</i></p>	<p>General Track (Room TBD) <i>Moderator: Ken Vafier (New Hanover County)</i></p> <p>City of New Bern Resiliency and Hazard Mitigation Plan: A Comprehensive Approach to Local Resiliency Planning [30] <i>Mike Robinson, CFM (Moffatt and Nichol)</i></p> <p>Proactive Management of Flooding with Innovative Technology For Every Budget [30] <i>Dan Penczak (OTT Hydromet)</i></p> <p>Bridgewatch - NCDOTs Tool for Statewide Bridge Monitoring [30] <i>David Key, PE, CFM (ESP Associates)</i></p>
<p>3:00 – 3:30 PM BREAK Sponsored by McAdams – Snacks / Drinks (Pre-Function Area)</p>		
<p>3:30 – 5:00 PM</p>	<p>Technical Track (Room TBD) <i>Moderator: Ken Ashe (Wood)</i></p> <p>Are current assumptions ready for the future? [30] <i>Tyson James (AECOM)</i></p> <p>Use Cases for the New Capabilities of HEC-RAS version 6.0 in North and South Carolina [30] <i>Jason Currie (Freese and Nichols)</i></p> <p>Rainfall Runoff Modeling [30] <i>Khaled Pordel, PhD (Atkins)</i></p>	<p>General Track (Room TBD) <i>Moderator: Terry Kuneff (Retired)</i></p> <p>Floodplain Design, Construction, and Impacts on Flood Insurance [30] <i>Paul Abrams, CFM (Floodproofing.com)</i></p> <p>Designing Passive Floodproofing Solutions Using Floodproof Windows and Wall Systems [30] <i>Zach Faulkner, CFM (Floodproofing.com)</i></p> <p>Recent Flood Events/Lessons Learned, the NFIP and Floodplain Management, and Community Relations [30] <i>Kathy Wolfe, CFM (Iredell County)</i></p>
<p>5:30 – 7:00 PM</p>	<p>Exhibitor’s Social – Menu TBD (Pre-Function Area)</p>	
<p>Dinner on Your Own</p>		
<p>9:00 – 11:00 PM</p>	<p>Hospitality Suite Open (Room TBD)</p>	

Thursday October 21

<p>7:00 – 8:30 AM</p>	<p>Registration (Pre-Function Area)</p>	
<p>8:30 – 10:00 AM</p>	<p>PLENARY SESSION 3 – Local Success Stories (Room TBD) <i>Moderator: David Key (ESP Associates)</i></p> <p>Comprehensive Flood Risk Management [30] <i>Tim Trautman, PE, CFM (Mecklenburg County)</i></p> <p>Tropical Storm Fred - Impacts, Lessons Learned and Resiliency Efforts in Buncombe County [30] <i>Nathan Pennington (Buncombe County)</i></p> <p>NCDOT’s “Road to Resilience” [30] <i>Matthew Lauffer, PE (NCDOT)</i></p>	
<p>10:00 – 10:30 AM</p>	<p>BREAK Sponsored by McGill – Snacks / Drinks (Pre-Function Area)</p>	

10:30 – 12:00 PM	PLENARY SESSION 4 – FEMA Region IV Updates (Room TBD) <i>Moderator: Amit Sachan (Atkins)</i> FEMA Region IV Updates <i>Jason Hunter, CFM</i> <i>Floodplain Management and Insurance Branch Chief Floodplain Management and Insurance Branch FEMA Region IV</i> NC Disaster Updates <i>Valerie Anderson, CFM</i> <i>Floodplain Management Specialist Mitigation Division FEMA Region IV</i>		
12:00 – 1:15 PM	Lunch <i>Menu TBD</i> (Room TBD)		
1:30 – 3:00 PM	Technical Track (Room TBD) <i>Moderator: Melonee Brock (Mecklenburg County)</i> HEC-RAS 6.0 - Exploring new Features [45] <i>Mathew Hornack, PE, CFM (ESP Associates)</i> Assessing and mitigating risks to your coastal stormwater system - NOAA Decision Support Tool [45] <i>Kenneth Hunu, PE, CFM (Atkins)</i>	General Track (Room TBD) <i>Moderator: Steve Smith (Town of Ayden)</i> City of Lumberton Floodgate Update [30] <i>Amit Sachan, PE, CFM (Atkins) and Rob Armstrong, PE (City of Lumberton)</i> City of Fayetteville Watershed Master Plan Program – Improving Our Resilience [30] <i>Alicia Lanier, PE (City of Fayetteville)</i> <i>Sheila Thomas-Ambat, PE, CFM (City of Fayetteville)</i> ARPA / BRIC Funding Update [30] <i>Ryan Wiedenman (Atkins)</i>	Training Track (Room TBD) CFM Refresher Course – Part 1 <i>Steve Garrett, CFM* (NCEM)</i> <i>Terry Foxx, CFM *(NCEM)</i> <i>Bill Tingle, CFM (NCAFPM)</i> <i>Ken Ashe, PE, CFM (Wood)</i> *- Virtual
3:00 – 3:30 PM	BREAK Sponsored by Aquatic Informatics – Snacks / Drinks (Pre-Function Area)		
3:30 – 5:00 PM	Technical Track (Room TBD) <i>Moderator: Ric Ledford, CFM (City of Ashville)</i> Mapping on the Fly: Integrating GIS with Low-Cost Sensors for Real Time Flood Inundation in Mecklenburg County [30] <i>James Scanlon (Mecklenburg County)</i> <i>Neal Banerjee (ESP Associates)</i> Title is TBD [30] <i>Nadia Mata, PE, CFM (Freese and Nichols)</i> CNMS – Just what is this? [30] <i>Mat Hornack (ESP Associates)</i>	General Track (Room TBD) <i>Moderator: Nate Pennington, CFM (Buncombe County)</i> Texas Initiative [title tbd] [60] <i>Kenneth Ashe (Wood)</i> Post Mitigation Use - Buyout Properties [30] <i>Ryan Cox (INSIGHT Planning and Development)</i>	Training Track (Room TBD) CFM Refresher Course – Part 2 <i>Steve Garrett, CFM* (NCEM)</i> <i>Terry Foxx, CFM *(NCEM)</i> <i>Bill Tingle, CFM (NCAFPM)</i> <i>Ken Ashe, PE, CFM (Wood)</i> *- Virtual
5:30 – 9:00 PM	Conference Dinner & Social - <i>Menu TBD (Pre-Function Area)</i>		
9:00 – 11:00 PM	Hospitality Suite Open		

Friday October 22

<p>8:30 – 10:00 AM</p>	<p>General Track (Room TBD) <i>Moderator: James Scanlon (Mecklenburg County)</i></p> <p>General Presentation 13 [30] <i>First Last (Affiliation)</i></p> <p>General Presentation 13 [30] <i>First Last (Affiliation)</i></p> <p>FIMAN-T and FIMAN-T Surge [30] <i>David Key (ESP Associates)</i></p>	<p>CFM Exam (Room TBD) <i>Proctor: Bill Tingle (NCAFPM)</i></p>
<p>10:00 – 10:30 AM</p>	<p>BREAK Sponsored by Quantum Spatial – Snacks / Drinks (Pre-Function Area)</p>	
<p>10:30 – 12:00 PM</p>	<p>Technical Track (Room TBD) <i>Moderator: First Last (Affiliation)</i></p> <p>Elevation Certificate FAQ: Risk Rating 2.0 and More [30] <i>Del Schwalls, PE, CFM (Schwalls Consulting LLC)*</i></p> <p>Monroe Stormwater Program Updates [30] <i>Chris Costner, PE, CFM (City of Monroe)</i></p> <p>General Presentation 18 [30] <i>First Last (Affiliation)</i></p>	
<p>12:00 PM</p>	<p>Conference Adjourns - Safe travels home and see you Spring 2022!!</p>	

Thank you to our 2021 Fall Floodplain Institute Presenters

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