

## 30<sup>th</sup> Anniversary Conference Looking to the Future/Lessons from the Past

## May 6-8, 2019 Wrightsville Beach, NC

NORTH CAROLINA ASSOCIATION OF FLOODPLAIN MANAGERS

Sunday, May 5 (pre-conference activities)			
<b>Annual Golf Tournament</b> sponsored by Quantum Spatial, range, balls, Beau Rivage Golf Course, Wilmington John Fullerton, CFM (NCAFPM Conference Chair)			
Annual Golf Tournament Tee Time (11:30 AM sharp) John Fullerton, CFM (NCAFPM Conference Chair)			
Registration (Lumina Ballroom Foyer)			
<b>Exhibitors' Setup</b> (Lumina Ballroom Foyer) *Note: Exhibits may be removed between 3:30 PM – 5:30 PM on Tuesday, May 7			
NCAFPM Board Meeting over Dinner (Soundwatch)			
NCAFPM Hospitality Suite- Room # 452			

Monday, May 6		
7:00 – 10:00 AM	Registration (Lumina Ballroom Foyer)	
8:15 AM – 12:00 PM	PLENARY SESSION (Lumina Ballroom: Masonboro/Airlie/Tidewater)	
8:15 AM – 10:15 AM Moderators: Program Co-Chairs David Goode, PE, CFM Holly White, AICP, CFM	Welcome to the 2019 NCAFPM Annual Conference [15]         John Fullerton, CFM (Conference Chair)         Amit Sachan, PE, CFM (NCAFPM Chair)         Bill Tingle, PG, CFM (NCAFPM Executive Director)         Welcome to Wrightsville Beach [15)         The Honorable Bill Blair (Mayor, Town of Wrightsville Beach)	
Hony White, AICF, CFM	Introduction Tony Wilson          NC Floodplain Management- Geodetic Updates [25]         Gary Thompson, CFM (Assistant State Emergency Management Director for Risk Management)         NC Floodplain Mapping Updates (25)         Tonda Sheldon (NCEM)         NCFMP Mapping LiDAR (20)	
	Hope Morgan (NCEM) ASFPM Update [20] Bill Tingle, PG, CFM (NCAFPM Executive Director)	
10:15 – 10:45 AM	Break and Silent Auction Open [30] – assorted danishes, breads, muffins, cinnamon buns (Lumina Ballroom Foyer)	
10:45 – 12:00 PM	FEMA Update (30]         Jason Hunter, Chief, Floodplain Management & Insurance Branch (FEMA Region IV)         Tony Hake, Federal Insurance Directorate HQ (FEMA)         Trends in the Character of Hurricanes and Their Impact on Heavy Rainfall and Flooding in North Carolina [40]         Charles Konrad (UNC-Chapel Hill)	
12:00 – 1:15 PM	Networking Luncheon – Create Your Own Salad Buffet (Lumina Ballroom)         • Platinum Sponsor Introduction         • Scholarship Award Presentations	
1:15 – 1:30 PM	Silent Auction Open (Lumina Ballroom)	

Monday, May	y 6 (continued)		
1:30 – 3:00 PM	PLENARY SESSION, continued (Lumina Ballroom: Masonboro/Airlie/Tidewater)		
	<ul> <li>Evaluating Alternatives to Reduce Impacts of Riverine Flooding in Eastern North Carolina [40]</li> <li>Barbara Doll, Ph.D., PE (North Carolina Sea Grant)</li> <li>Pivoting to the Future: Planning for Flood Resilience in Virginia Beach [40]</li> <li>Sue Kriebel &amp; Tariq Omar, (City of Virginia Beach)</li> </ul>		
3:00 – 3:30 PM	Break and Silent Auction Open – 30th ANNIVERSARY CAKE (Lumina Ballroom Foyer)		
3:30 – 5:00 PM	PLENARY SESSION, continued (Lumina Ballroom)		
How Can We Enhance Floodplain Management in the State Climate Risk Assessment & Resiliency P Tancred Miller (Division of Coastal Management)			
	Historic Considerations in North Carolina Floodplains (30) Renee Gledhill-Earley & Debra Bevin (NC Department of Natural and Cultural Resources)		
	NOAA Coastal Tools (30) Russell Jackson (Coastal Hazards Program Coordinator, NOAA)		
5:00 – 7:30 PM	Silent Auction Open (Lumina Ballroom)		
6:00 – 7:30 PM	Exhibitors' Social, including refreshments, hors d'oeuvres, and music by Bob Clayton (Lumina Ballroom Foyer)		
	Dinner (on your own)		
9:00 – 11:00 PM	NCAFPM Hospitality Suite- Room # 452		

Tuesday, May 7					
7:30 – 9:00 AM	Registration (Lumina Ballroom Foyer)				
8:30 – 10:00 AM	PLENARY SESSION (Lumina Ballroom: Masonboro/Airlie/Tidewater)				
	Successful Outreach for Flood Programs [30] Dan Tomczak (Jacobs)				
	Flood Insurance Updates (30) Rhonda Montgomery, Emergency Management Specialist (FEMA)				
	From the First to the 30th [30] Berry Williams, Former Chair NCAFPM				
10:00 – 10:30 AM	Break and Silent Auction - ham,	sausage, chicken biscuits, bagels (Lumina Ballroom	n Foyer)		
10:30 – 12:00 PM	<b>1-A Coastal Session</b> (Masonboro) Moderator: Holly White, AICP, CFM	<b>1-A General Session</b> (Airlie) Moderator: Randy Mundt, AICP, CFM	FIELD TRIP (10:30 – 12:00 PM)		
	Nature Based Solutions (30) Lora Eddy, (The Nature Conservancy) Innovative Stormwater Management [30] Tracy Skrabal (Coastal Federation)	Getting Ahead of the Storm–Densifying NC's Stream Gage Network [30] Dean R. Goodison, PE, CFM (Atkins) Dam that is a Hazard! Development of the City of Raleigh's Dam Program Brad Stuart, P.E., Brad Cole, P.E., Mike Wayts, P.E., CFM Streamline Dam Break &	Transportation provided. Assemble in Soundwatch for a brief presentation at 10:30 AM. Limited to 30. Sign up at the registration table. Case Study in Elevation Dale Holland, AICP (Holland		
	<b>Cost Share Assistance Program</b> <b>for Stormwater Issues</b> [30] Thomas Hill (NC Soil and Water Conservation)	Inundation Boundary Assessment for Medium/High Hazard Dams in NC [30] Ken Hunu, PE, PMP, CFM (Atkins)	Consulting Planners		
12:00 – 1:15 PM	Networking Luncheon – "Create NCAFPM Board Election NFIP State Coordinators CFM Certificates and Re CRS Community Recogn Lifetime Membership Av	s' Award cognition ition vards			

• Past President Recognitions

Tuesday, May 7 (continued)				
1:30 – 3:00 PM	<ul> <li>2-A Coastal Session (Masonboro) Moderator: Bill Tingle, PG, CFM</li> <li>VE/Primary Frontal Dune (PFD) Training [30]</li> <li>Erin Benford, GIT (AECOM) Valerie Anderson (FEMA Region 4)</li> <li>Coastal Roundtable [45] Discussion of Coastal Issues</li> </ul>	<ul> <li>2 - B General Session (Airlie) Moderator: Stephen Smith, CFM</li> <li>What the Flood! Do we Need to Re-Think the NFIP Approach to Floodplain Management [30] David Key. PE, CFM (ESP Associates)</li> <li>Raising the Bar- Compelling Reasons and Considerations for Regulating to Future Conditions [30] Elham Foyouz, PE, CFM (ESP Associates)</li> <li>Hazard Mitigation Planning [30] Chris Crew, CFM (NCDEM)</li> </ul>	FIELD TRIP (1:30 – 3:00 PM) Transportation provided. Assemble in lobby at 1:30 PM. Limited to 20. Sign up at the registration table. Innovative Stormwater Projects– Tracy Skrabal (Coastal Federation)	2 - C Certified Floodplain Manager (CFM) Exam Refresher (Soundwatch) Dan Brubaker, PE, CFM Randy Mundt, AICP, CFM (NCEM)
3:00 – 3:30 PM	Break and Silent Auction – Assorted ice cream bars and gourmet cookies (Lumina Ballroom Foyer)			
3:30 – 5:00 PM *Exhibitor display breakdown & removal	<ul> <li>3-A Coastal Session <ul> <li>(Masonboro)</li> <li>Moderator: John Fullerton, CFM</li> </ul> </li> <li>New Web Portal for N.C.</li> <li>Coastal Adaptation and</li> <li>Resiliency Resources [30]</li> <li>Christian Kamrath (Division of Coastal Management)</li> <li>Co-Producing Vulnerability to Inundation in Coastal NC [30]</li> <li>Narcisa Pricope, PhD (UNC-Wilmington)</li> <li>Taking the First Step:</li> <li>Flooding &amp; Vulnerability</li> <li>Study for Carolina Beach [30]</li> <li>Ken Willson, Adam Priest (APTIM)</li> </ul>	<ul> <li>3-B Community Rating System (CRS) Session (Airlie) Moderator: David Key, PE, CFM</li> <li>Overview of the Community Rating System [30] Mike Bratcher, CFM (ISO)</li> <li>CRS Explorer App [30] Lora Eddy, (The Nature Conservancy)</li> <li>Higher Regulatory Standards [30] Randy Mundt, AICP, (NCEM)</li> </ul>	FIELD TRIP (3:30 – 5:00 PM) Transportation provided. Assemble in lobby at 3:15 PM. Limited to 20. Sign up at the registration table. Beach Nourishment Project Spencer Rogers (NC Sea Grant)	2 -C Certified Floodplain Manager (CFM) Exam Refresher (Soundwatch) Dan Brubaker, PE, CFM, Randy Mundt, AICP, CFM (NCEM)
5:00 – 5:30 PM	Silent Auction - LAST CHANCE! (L	Silent Auction - LAST CHANCE! (Lumina Ballroom)		
6:00 – 10:00 PM	Conference Social – Southern Fare Specialty Buffet Folkstone String Band, Live Auction, Karaoke with Bob Clayton			
9:00 – 11:00 PM	NCAFPM Hospitality Suite- Room # 452			
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Wednesday, N	Лау 8			
7:30 – 9:00 AM	Registration (Lumina Ballroom Foyer)			
8:30 – 10:30 AM	Claim, pick up, and pay for Silent Auction Items			
8:30 – 10:00 AM	<b>4-A Coastal Session</b> (Masonboro) Moderator: Terry Kuneff, PE, CFM	<b>4-B General Session</b> (Airlie) <i>Moderator: Laura Arnold, PE, CFM</i>	Certified Floodplain Manager (CFM) Exam (Soundwatch)	
	<b>Bogue Banks Master Beach Nourishment Plan</b> [40] Johnny Martin, PE Sam Morrison, PE (Moffatt & Nichol)	Hybrid Aerial LiDAR & Aerial Imagery Photogrammetric Mapping [30] Scott C Williams, PLS, PPS (GPI Geospatial Inc)	<b>Proctor:</b> Randy Mundt, AICP, CFM (NCEM)	
	NC Beach and Inlet Maintenance Plan [40] Katie Finegan, PE Johnny Martin, PE (Moffatt & Nichol)	<b>Boiling Spring Lakes Dam</b> <b>Recovery</b> [30] <i>Mike Hanson, PE (McGill</i> <i>Associates)</i>		
		A First Responder's Tool for Dam Failure Planning and Mitigation [30] Dan Brubaker, PE, CFM; Matt Dudley		
10:00 – 10:30 AM	Break – assorted freshly made donut	s (Lumina Ballroom Foyer)	·	
10:30 AM – 12:00 PM	<ul> <li>5-A Technical Session (Masonboro) Moderator: Melonee Brock, CFM</li> <li>Bonner Bridge Design [30] Domenic Coletti, PE, (HDR)</li> <li>Floodplain Design and Construction [30] Zach Faulkner, CFM (Smart Vent)</li> <li>"Hurry" can Modeling – Forecast Modeling to Optimize Limited Resources with Limited Time [30] Jason Currie, PE, CFM, Ed Dickson, PE, CFM (Freese &amp; Nichols)</li> </ul>	<ul> <li>5-B General Session (Airlie) Moderator: David Goode, PE, CFM</li> <li>What's in a name? [30] Brandon Love, AIA – (City of Lumberton)</li> <li>Flood Education and Awareness in the City of Raleigh [30] Benjamin Brown, PE, CFM; Kelly Daniel (City of Raleigh)</li> <li>Substantial Damage/Substantial Improvements Determinations Ms. Eryn Futral, AICP. CFM (NCEM)</li> </ul>		
12:00 PM	Conference Adjourns Safe travels home and see you in	Cherokee in October!		

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## PRESENTERS

Jeff Adolphsen (NC DNCR) Valerie Anderson (FEMA Region IV) Neal Banerjee, PE, CFM (ESP Associates) Debra Bevin (NC DNCR) Bill Blair (Wrightsville Beach Mayor) Erin Benford, (AECOM) Mike Bratcher, CFM (ISO) Benjamin Brown, PE, CFM (City of Raleigh) Dan Brubaker, PE, CFM (NCDEM) Brad Cole, PE (Freese & Nichols) Domenic Coletti, PE, (HDR) Chris Crew, CFM (NCDEM) Jason Currie, PE, CFM (Freese & Nichols) Kelly Daniel (City of Raleigh) Ed Dickson, PE, CFM (Freese & Nichols) Barbara Doll, Ph.D, PE (NC Sea Grant) Matt Dudley, PE =(NCEM) Lora Eddy (The Nature Conservancy) Zach Faulkner, CFM (Smart Vent) Katie Finegan PE (Moffatt & Nichol) Elham Foyouz (ESP Associates) John Fullerton, CFM (Conference Chair) Eryn Futral, AICP, CFM (NCDEM) Renee Gledhill-Earley (NC DNCR) Dean Goodison, PE, CFM (Atkins) Tony Hake, (FEMA) Mike Hanson, PE, CFM (McGill Associates) Ken Hunu, PE, PMP (Atkins) Thomas Hill (NC Soil and Water Conservation) Jason Hunter (FEMA Region IV) T. Dale Holland, AICP (Holland Consulting Planners) Russell Jackson, (NOAA) Christian Kamrath, (Division of Coastal Management) David Key, PE, CFM (ESP Associates) Charles Konrad (UNC-Chapel Hill) Sue Kriebel, (City of Virginia Beach) Brandon Love (City of Lumberton) Johnny Martin, PE (Moffatt & Nichol) Tancred Miller, (Division of Coastal Management) Rhonda Montgomery (FEMA) Hope Morgan (NCEM)

Sam Morrison, PE (Moffatt & Nichol) Randy Mundt, AICP, CFM (NCEM) Tariq Omar, (City of Virginia Beach) Narcisa Pricope, PhD (UNC Wilmington) Spencer Rogers (North Carolina Sea Grant) Amit Sachan PE, CFM (NCAFPM Chair) Tracy Skrabal (Coastal Federation) Tonda Shelton, (NCEM) Brad Stuart, PE (Freese & Nichols) Gary Thompson (NCEM) Bill Tingle, PG, CFM (NCAFPM Executive Director) Dan Tomczak (Jacobs) Mike Wayts, PE, CFM (Freese & Nichols) Berry Williams CFM (NCAFPM Former Chair) Scott C. Williams, PLS, PPS (GPI Geospatial Inc.) Ken Willson, (APTIM)