



NCAAFPM
ANNUAL CONFERENCE

**New Shores in
Floodplain Management**

2012 NCAAFPM Annual Conference

AGENDA

Sunday, May 6 (pre-conference activities)

8:00 – 9:00	Registration (Main Lobby) – Coffee
9:00 – 10:30	CRS Training (Gaston Room) <i>Mandy Todd, AICP, CFM (ISO), Berry Williams, CFM</i> *NOTE: Pre-registration required. Please see end of agenda for description.
10:30 – 10:45	Break - Muffins, Danish, Croissants, Coffee
10:45 – noon	CRS Training, continued (Gaston Room)
noon – 1:00	Lunch – Soup & Sandwich Wrap
noon	Annual Golf Tournament & Lunch (The Emerald Golf Club, 5000 Clubhouse Drive, New Bern 28562) <i>John Fullerton, CFM – NCAAFPM</i>
1:00 – 3:00	CRS Training, continued (Gaston Room)
3:00 – 3:15	Break – Cookies, Sodas, Juices
3:15 – 4:30	CRS Training, continued (Gaston Room)
6:00 – until	Exhibitor Set-Up (Pre-Function Area) *Note: Exhibits must be removed before 4:00pm on Tuesday.
6:00 – until	Welcome Social/Live Jazz Music (Poolside) — Drinks, Light Snacks
8:00 – until	NCAAFPM Board Meeting (Boardroom)

Monday, May 7

6:45 – 7:30	“The Wellness Walk” (meet in the lobby). All guests, employees, and fellow New Bernians are welcome to walk with the hotel General Manager, Michael McMahon.
7:00 – 9:00	Registration (Main Lobby) – Coffee, Bagels & Cream Cheese
8:00 – 10:00	PLENARY SESSION (Grand Ballroom)
8:00 – 8:15	Conference Welcome <i>John Fullerton, CFM (Conference Chair)</i> <i>Robert Billings, PE, CFM (NCAAFPM Chair)</i>
8:15 – 8:30	Welcome to New Bern <i>Lee Bettis (Mayor of New Bern, NC)</i>
8:30 – 8:45	NCAAFPM Update <i>Bill Tingle, PG, CFM (NCAAFPM Executive Director)</i>
8:45 – 9:00	ASFPM Update <i>Tim Trautman, PE, CFM (ASFPM Mitigation POD Coordinator)</i>

Monday, May 7

9:00 – 9:45	KEYNOTE ADDRESS: Battle for North Carolina’s Coast: Past, Present and Future <i>Stanley Riggs, PhD (East Carolina University)</i>
9:45 – 10:00	Discussion
10:00 – 10:30	Break – Muffins, Danish, Croissants, Coffee (Pre-Function Hallway)
10:30 – 11:15	Ethics and the Certified Floodplain Manager (Grand Ballroom) <i>Nanette Sanders-Cobb, COI (Craven Community College)</i>
11:15 – 11:45	Improving Residential Property Catastrophe Resistance (Grand Ballroom) <i>Fred Malik, IBHS (Fortified Homes, SC)</i>
11:45 – 1:30	Lunch & Awards – Italian Lunch Buffet (Grand Ballroom) <i>John Gerber, PE, CFM (NC NFIP), Mandy Todd, CFM (ISO)</i> <ul style="list-style-type: none"> • NFIP State Coordinator’s Award • CFM Certificates and Recognitions • CRS Community Recognition
1:30 – 3:00	PLENARY SESSION 2 (Grand Ballroom) <ul style="list-style-type: none"> • Mapping and Technology Update [90] <i>Moderator: Randy Mundt, AICP, CFM (NCEM)</i> • NC Floodplain Mapping Program [40] <i>John Dorman, CFM (NCGTM Director)</i> • FEMA/NFIP Update: Region IV Perspective [25] <i>Tim Russo, CFM (FEMA Reg. IV)</i> • USGS Update [25] <i>Jeanne Robbins, PE (USGS)</i>
3:00 – 3:30	Break – Cookies, Sodas, Juices (Pre-Function Hallway)
3:30 – 5:00	Local FPA Trials and Tribulations – Why don’t they just do what I say? (Grand Ballroom) <i>Moderator: John Gerber, PE, CFM</i> <i>Panelists: Brad Burton, CFM, CZO, MPA (City of Brevard); Meredith Guns, CFM (Kill Devil Hills); Brandon Hayes (Beaufort Co.); John Pack (Beaufort Co.); Holly White, CFM (Currituck Co.)</i> <ul style="list-style-type: none"> • Beaufort County and Hurricane Irene challenges • NFIP compliance issues exposed by Hurricane Irene • Ordinance adoption challenges in Currituck County • NFIP enforcement and communication challenges • Discussion
6:00-8:00	Exhibitors’ Social – Hors D’Oeuvres & Refreshments (Grand Ballroom and Pre-Function Hallway)

Tuesday, May 8

6:45 – 7:30	“The Wellness Walk” (meet in the lobby). All guests, employees, and fellow New Bernians are welcome to walk with the hotel General Manager, Michael McMahon.	
7:30 – 8:30	Registration (Main Lobby) – Ham/Sausage Biscuits, Coffee	
8:30 – 10:00	1-A Coastal Issues (Pamlico Room) <i>Moderator: Neal Banerjee, PE, CFM (Baker)</i> CBRAs, PFDs, LiMWAs: “Three acronyms walk into a sandbar...” [25] <i>Ken Ashe, PE, CFM (NC GTM Ass’t. Dir.)</i> The Importance of Freeboard in Coastal Buildings: Hurricane Ike Update [25] <i>Spencer Rogers (NC Sea Grant)</i> Master Planning Lessons in Tidally Influenced Stormwater Systems [25] <i>Shweta Chervu, PE, CFM (Dewberry)</i> Discussion [15]	1-B Floodplain Planning Issues (Trent Room) <i>Moderator: Drew Blackwell, CFM (AECOM)</i> Adding Value to Floodplain Management – The Asheville Lake Craig Experience [25] <i>Michael Hanson, PE (Dewberry)</i> Understanding Foundation Flood Vents and FEMA’s TB-1 [25] <i>J. Paul Abrams (Smart Vent Products, Inc.)</i> Putting Local into National Hydrography and What it Could Mean for Floodplain Managers [25] <i>Susan T. Phelps, GISP, CFM (AECOM)</i> Discussion [15]
10:00 – 10:30	Break — Muffins, Danish, Croissants (Pre-Function Hallway)	

Tuesday, May 8

<p>10:30 – noon</p>	<p>2-A Flood Hazard Mitigation (Pamlico Room) <i>Moderator: Natalie Berry, PE, CFM (Henderson Co.)</i></p> <p>Flood Hazard Mitigation Options for Utility Fee-Based Programs [25] <i>David Love, PE, CFM (Mecklenburg Co.)</i></p> <p>Charlotte-Mecklenburg Flood Risk Assessment and Risk Reduction Plan [25] <i>Mike J. Robinson, CFM (AECOM)</i></p> <p>“Of course they’re substantially damaged ... they’re under water...” [25] <i>Brad L. Burton CFM, CZO, MPA (City of Brevard)</i></p> <p>Discussion [15]</p>	<p>2-B Engineering (Trent Room) <i>Moderator: Robert Billings, PE, CFM (Mecklenburg Co.)</i></p> <p>Lake Craig Dam Rehabilitation Flood Study [25] <i>Cameron Long, PE (Dewberry); Michael A. Hanson, PE (Dewberry); Rahish Khatri, PE, CFM (Dewberry)</i></p> <p>NCDOT MOA and its Low Impact Bridge Replacement Program [25] <i>Karl Dauber, PE, CFM (Parsons Brinckerhoff); Jerry Snead, PE (Parsons Brinckerhoff)</i></p> <p>A Holistic and Integrated Approach to Floodway Modeling/ Delineation [25] <i>Shweta Chervu, PE, CFM (Dewberry)</i></p> <p>Discussion [15]</p>
<p>noon – 1:30</p>	<p>Lunch & Business Meeting – “Sonoran Fiesta” (Grand Ballroom) • NCAFP Board Elections</p>	
<p>1:30 – 2:50</p>	<p>3-A Mitigating Flooding & Storm Waters (Pamlico Rm) <i>Moderator: Amit Sachan, PE, CFM (Parsons Brinckerhoff)</i></p> <p>Quick Buy 2011 - Flood Mitigation on a Local Level [25] <i>Robert Billings, PE, CFM (Mecklenburg County); Sarah Easter, CFM (THC, Inc.)</i></p> <p>Town of Cary Public Drainage Assistance Program: A Case Study [25] <i>Dan Clinton, PE, CFM (CSM)</i></p> <p>Western North Ridge Stormwater Improvements [25] <i>Shweta Chervu, PE, CFM (Dewberry)</i></p> <p>Discussion [5]</p>	<p>3-B Applying Emerging Technologies (Trent Room) <i>Moderator: Steve Smith, CFM (Greenhorne & O’Mara)</i></p> <p>Digital Display Environment (D2E) Geodatabase Design [25] <i>Hope Morgan, GISP, CFM (NC Floodplain Mapping Program); Richard Fogleman, GISP, CFM (AECOM)</i></p> <p>Regional Watershed Improvement Planning: Using Customized GIS Tools to Support a Diverse Stakeholder Group [25] <i>Tricia Aspinwall (USACE); Andy Wohlsperger, CFM, GISP (AECOM); Gray Minton, GISP, PE (AECOM)</i></p> <p>Mobile LiDAR for Coastal Flooding Response [25] <i>David Key, PE, CFM (ESP); Hope Morgan, GISP, CFM (NC Floodplain Mapping Program)</i></p> <p>Discussion [5]</p>
<p>2:50 – 3:15</p>	<p>Break — Ice Cream Bars, Sodas, Juices (Pre-Function Hallway)</p>	
<p>3:15 – 4:30</p>	<p>4-A Planning (Pamlico Room) <i>Moderator: Amy Helms, PE (Union County)</i></p> <p>Third Year Report of Multi-Year Stormwater Master Planning & Implementation [25] <i>Chris Costner, PE, CFM (City of Monroe); Seungho Song, PE, CFM (CDM)</i></p> <p>Georgia M.A.P.: Complete Flood Risk Assessment in the Chattahoochee River Basin [25] <i>Eric Coughlin, CFM, GISP (Adkins)</i></p> <p>The CAMA and Oceanfront Development [25] <i>Ted Tyndall (NCDENR/DCM Asst. Dir., Permits/Enforcement)</i></p>	<p>4-B NFIP and the Building Codes (Trent Room) <i>Moderator: David Key, PE, CFM (ESP)</i></p> <p>NC’s Building Codes’ Relationship to the NFIP [25] <i>Barry Gupton (NCDOT)</i></p> <p>Ethics and Enforcement of Separate but Equal Codes [25] <i>Johnny Clark (City of New Bern)</i></p> <p>iCodes, the NCBC and the NFIP: Can’t we all just get along? [25] <i>John Gerber, PE, CFM (State NFIP Coordinator)</i></p>
<p>6:00 – until</p>	<p>Conference Social at Captain Ratty’s Seafood & Steak House — Heavy Hors d’Oeuvres Entertainment – Delta Bones Band, Diane Dee’s Karaoke</p>	

Wednesday, May 9

6:45 – 7:30	"The Wellness Walk" (meet in the lobby). All guests, employees, and fellow New Bernians are welcome to walk with the hotel General Manager, Michael McMahon.		
7:00 – 8:15	Breakfast (on your own)		
7:30 – 9:00	Registration (8:15 – Conference Door Prize) Refreshments – Ham/Sausage Biscuits, Coffee (Pre-Function Hallway)		
8:30 – 10:00	Workshop A — Applications of HAZUS-MH for Floodplain Management (Pamlico Room) <i>Presenter: Eric Coughlin, CFM, GISP (Atkins)</i> *NOTE: Pre-registration required. Please see end of agenda for description.	Workshop B — Catch Basin (Trent Room) NFIP 101: Basics of the NFIP; Risk, Regs, and Insurance <i>John Gerber, PE, CFM (State NFIP Coordinator)</i> Flood Hazard Mitigation Update <i>Chris Crew (State Hazard Mitigation Coordinator)</i> No-Rise Certifications <i>Tim Russo, CFM (FEMA Reg. IV); Dan Brubaker, PE, CFM (NCEM/GTM)</i>	Certified Floodplain Manager (CFM) Exam (Gaston Room)
10:00 – 10:30	BREAK — Muffins, Danish, Croissants, Coffee (Pre-Function Hallway)		
10:30 – noon	Workshop A continued	Workshop B continued	

CRS Training (Overview of Changes Coming with the 2013 CRS Coordinator's Manual)

The Manual will take effect January 1, 2013. Understanding the changes now allows communities time to review their programs and to determine how they can maintain or improve their CRS classification under the new Manual.

After the Manual goes into effect, participating CRS communities will need to meet new prerequisites and credit criteria at their next cycle verification visit.

The changes in the Manual will impact each CRS community differently. Some communities will see an increase in credit for their activities (e.g., Activity 420 (Open Space Preservation) credits are increasing). Other communities will see a decrease in credit for certain activities (e.g., Activity 320 (Map Information Service) credits are decreasing). It is likely that some communities with marginal CRS Class 9 programs will have to identify new CRS credits in order to remain a Class 9.

In general, the Manual changes promote more flexibility in credit for local programs and increased credit for addressing protecting life safety, preserving floodplain natural functions, and future conditions (including climate change).

This session will give Communities an opportunity to understand how and when the changes will impact their community. Some of the changes include:

- Credit for Creating a Program for Public Information (PPI)
- Additional Credits for Open Space and Natural Functions
- New Credit for Natural Shoreline Protection (NSP)
- Floodplain Management Planning Changes, Especially for

Multi-jurisdictional Plans

- Additional Freeboard Credit
- Changes in the way the Building Code Effectiveness Grading Schedule (BCEGS) is Applied to CRS
- Credit for coastal A-zone Regulations
- Low Impact Development Credit
- Drainage System Maintenance credit and documentation
- Reduced Credit for Acquisition and Relocation
- Reduced Credit for Flood Protection (including elevating buildings)
- Flood Warning and Response requirements for credit
- New Requirements for Dam Safety Credit
- Changes in impact adjustment calculations

HAZUS MH

Applications of Hazus-MH for Floodplain Management will provide an overview of FEMA's nationally applicable methodology, Hazus-MH, for estimating potential physical, economic, and social impacts from earthquakes, floods, and hurricanes. Hazus-MH uses GIS technology to support disaster recovery and mitigation as well as preparedness and response. Floodplain management concepts will be integrated throughout to aid in understanding how your community can leverage Hazus-MH and geospatial technologies for successful local and regional floodplain management. These concepts will be presented within the framework of FEMA's Risk MAP Program. Risk MAP aims to minimize flood losses by uniting flood hazard mapping, risk assessment tools and mitigation planning into one seamless program. Attendees do not need to bring their own computers as live demos will be incorporated throughout.

PRESENTERS

J. Paul Abrams (Smart Vent Products, Inc.)
Ken Ashe, PE, CFM (NC GTM)
Tricia Aspinwall (USACE)
Neal Banerjee, PE, CFM (Baker)
Natalie Berry, PE, CFM (Henderson Co.)
Robert Billings, PE, CFM (Mecklenburg Co.)
Drew Blackwell, CFM (AECOM)
Dan Brubaker, PE, CFM (NCEM/GTM)
Brad Burton, CFM, CZO, MPA (City of Brevard)
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Chris Costner, PE, CFM (City of Monroe)
Eric Coughlin, CFM, GISP (Adkins)
Chris Crew (NCEM)
Karl Dauber, PE, CFM (Parsons Brinckerhoff)
John Dorman, CFM (NCGTM)

Sarah Easter, CFM (THC, Inc.)
Richard Fogleman, GISP, CFM (AECOM)
John Fullerton, CFM (City of Wilmington)
John Gerber, PE, CFM (NC NFIP)
Meredith Guns, CFM (Kill Devil Hills)
Barry Gupton (NCDOT)
Michael A. Hanson, PE (Dewberry)
Brandon Hayes (Beaufort County)
Amy Helms, PE (Union County)
David Key, PE, CFM (ESP)
Rahish Khatri, PE, CFM (Dewberry)
Cameron Long, PE (Dewberry)
David Love, PE, CFM (Mecklenburg Co.)
Gray Minton, GISP, PE (AECOM)
Hope Morgan, GISP, CFM (NC Floodplain Mapping Program)
Randy Mundt, AICP, CFM (NCEM)
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Mandy Todd, AICP, CFM (ISO)
Tim Trautman, PE, CFM (Mecklenburg County)
Ted Tyndall (NCDENR/DCM)
Holly White, CFM (Currituck County)
Berry Williams, CFM
Andy Wohlsperger, CFM, GISP (AECOM)

EXHIBITORS

Michael Baker Engineering, Inc.
Dewberry & Davis, Inc.
ESP Associates
Parsons Brinckerhoff
SMART VENT Flood Vents
Surdex Corporation
THC, Inc.

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