


# GAFM 8TH ANNUAL TECHNICAL CONFERENCE

## AGENDA

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Monday, March 11, 2013

12:00 PM - 6:00 PM	<b>4th Annual ASFPM Foundation Golf Outing</b> 4 Player Best-Ball Tournament (Sponsored by Dixon Golf)  <b>Prizes for:</b> Winning Team - Special Prize TBD Putting Competition - Half Day Pontoon Excursion Closest to the Pin - Prize TBD Longest Drive - Overnight Stay with Breakfast for Two at Legacy Lodge	  
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Tuesday, March 12, 2013

7:00 AM	<b>Registration</b> Veranda	
7:30 AM - 8:30 AM	<b>Continental Breakfast</b>	
8:00 AM - 9:00 AM	<b>General Session 1: Welcome and Risk MAP Products</b> <b>Plantation AB</b>  <b>Conference Welcome</b> Garrett Skinner, GAFM Chair Jill Bazinet, Conference Committee Chair  <b>Introduction to FEMA Risk MAP Products</b> Tom Shillock, GA DNR Shannon Brewer, Dewberry George Thompson, Atkins	
9:00 AM - 12:00 PM	<b>CFM Refresher (Part 1)</b> <b>Islands II</b>  1-Day CFM Review Session - Joe Martinenza, Atkins	
9:00 AM - 12:00 PM	<b>GIS Training - Leveraging your DFIRM Database to Determine Flood Risk</b> <b>Islands I</b>  Jeff Butler and George Thompson, Atkins	
9:00 AM - 12:00 PM	<b>Hazard Mitigation Training</b> <b>Magnolia</b>  <b>Stamped Approved: Developing a Quality Mitigation Application</b> - Alicia Soriano and Velencia Miller, GEMA Description: Do you have a possible FEMA mitigation project? Learn what community information is needed to develop a quality application package.  <b>Mitigation Planning</b> - Dee Langley and Kelly Keefe, GEMA Description: Learn what's new in state and local hazard mitigation planning and how to get involved in supporting your community's flood mitigation activities.  <b>Mitigation Success Stories</b> - Terry Lunn, GEMA Description: Learn how flood mitigation successes are quantified and successes identified for mitigation actions completed throughout the state. Loss avoidance study information will be provided for the most recent flood events in Georgia.  <b>Nashville Situational Awareness for Flood Events (SAFE): A Citywide Program for Flood Preparedness</b> - Brad Heilwagen, AMEC	
9:00 AM - 12:00 PM	<b>HEC-RAS Training Session Day 1</b> <b>Plantation C</b>  Sam Crapmton - Dewberry Fred Halterman - URS  Basics on Riverine Hydrology and Hydraulics, Technical Training– This full day session will focus	

	<p>on the fundamental usage on the US Army Corps of Engineers Hydrological Engineering Center's (HEC) software to perform different riverine model applications.</p> <p><b>Day 1:</b>  <u>Session 1</u>, HEC-HMS – This part of the training course will focus on common hydrological methods using HEC-HMS (Hydrologic Modeling System) software version 3.5 to estimate peak stream flows used in riverine studies.  <u>Session 2</u>, Steady HEC-RAS – This part of the training course will focus on the common hydraulic riverine modeling parameters using the HEC-RAS (River Analysis System) version 4.1 for a steady-state flow analysis.  <u>Session 3</u>, No Adverse Impact (NAI) Project – This part of the training course covers using HEC-HMS and HEC-RAS for a proposed culvert replacement project to evaluate a No Adverse Impact condition.  <u>Session 4</u>, RAS-Mapper – This part of the training course covers the RAS-Mapper module built into HEC-RAS. This module will be used to help evaluate the NAI condition from Session 3 by comparing the generated flood plain boundaries from RAS-Mapper.</p>
10:30 AM - 10:45 AM	<b>Break</b>
12:00 PM - 1:00 PM	<p><b>Keynote Speaker Luncheon</b></p> <p><b>Plantation AB</b></p> <p>Georgia's Dam Safety Program Tom Woosley, Director of GA Safe Dams Program</p>
1:00 PM - 5:00 PM	<p><b>Field Tours</b></p> <p>Three Field Tours to choose from for no additional fee. Each tour is first come, first served.</p> <p><b>Buford Dam and Shoal Creek Water Treatment Plant Tour (20 attendees)</b> This field trip will include a rare trip inside Buford Dam with the Army Corps of Engineers staff leading the tour. After leaving the dam, you head to the Shoal Creek Treatment Plant. This water treatment facility uses an ozone system for disinfection and is sized to treat ninety MGD. The filter plant (working in conjunction with Lanier Filter Plant) was built to increase water treatment capacity in the area to 300 MGD and provide redundancy to the existing system.</p> <p><b>Watershed Dam Presentation and Tours of Yellow River Dams 14, 15 and 17 (25 attendees)</b> Beginning with a 30 minute presentation by Gregg Hudock (Golder) giving an overview of three watershed dams located in Gwinnett County. Buses depart at 1:45 for a whirlwind tour of three of the rehabilitated dams. During the trip you will see the roller compacted concrete (RCC) overtopping spillways in both an exposed (no soil veneer) and vegetative cover application and different types of weir control sections. The designers will be on hand to answer questions and explain lessons learned and what they saw during and after the storm in 2009.</p> <p><b>Gwinnett Heritage Environmental Center and Stream Restoration Project Tour (20 attendees)</b></p> <p>The Center is a Gold Certified LEED Building and hosts environmental education displays and interactive demonstrations open to the public. We will take a guided tour of the inside and outside of the building focusing on the green infrastructure and low impact design aspects including pervious pavement and the green roof. Included will be their Blue Planet Movie presentation which is an amazing demonstration of the importance of water in our eco-system. It includes high-tech video, audio, motion and lighting effects that will make the theater rain on North Georgia. At 3:00 we will load the buses and head to North Fork Peachtree Creek to tour a stream restoration project completed by Gwinnett County in 2011. Russell Manley with Gwinnett will lead us as we learn about the stabilization of the channel, the replanting and stabilizing of 3.7 acres of buffer, and the building an engineered wetland system.</p>
1:00 PM - 5:00 PM	<p><b>GAFM Cinema: Dam Breach and Analysis</b></p> <p><b>Magnolia</b></p> <p>The objective of this session is to provide an update on FEMA's continuing efforts to deploy and enhance the Geospatial Dam Break, Emergency Action planning, Consequences and Hazards (Geo-DamBREACH) toolset. Since last year's conference, FEMA has rolled GeoDam-BREACH out to several states and is now in the process of making further enhancements to include the development of multi-media help functions that guide the user through the major workflows of GeoDam-BREACH. By having multi-media help functions embedded into GeoDam-BREACH will provide clear, easy to understand help and demonstrations at a click of a button.</p>
5:00 PM - 9:00 PM	<p><b>GAFM Yacht Reception</b></p> <p>Docked until 6:30 Sailing on Lake Lanier 6:30 - 9:30</p>

**Wednesday, March 13, 2013**

7:00 AM - 8:00 AM	<b>Continental Breakfast</b>
8:00 AM - 9:00 AM	<p><b>General Session 2: GAFM Annual Membership Meeting</b></p> <p>Annual Membership Meeting Tentative Agenda:</p>

	<p>ASFPM Foundation Presentation - Dale Lehman, Trustee                  Recap of 2012/13                  Chair's Report                  Treasurer's Report                  Committee Reports                  Flood Risk Symposium 2013                  Announcement of New Board Members</p>
9:00 AM - 12:15 PM	<p><b>CFM Refresher (Part 2)</b></p>
9:00 AM - 10:30 AM	<p><b>Community Rating System Updates for Communities</b>                  Mike Bratcher - ISO</p>
9:00 AM - 10:30 AM	<p><b>Eco-Friendly Culvert Design</b>                  Jennie Agerton and Fred Halterman - URS</p>
9:00 AM - 12:15 PM	<p><b>HEC-RAS Training Day 2</b>                  Basics on Riverine Hydrology and Hydraulics, Technical Training– This full day session will focus on the fundamental usage on the US Army Corps of Engineers Hydrological Engineering Center's (HEC) software to perform different riverine model applications.</p> <p>Day 2                  Session 5, HEC-SSP and NSS – This part of the training course will focus on performing a statistical stream gage analysis using HEC-SSP (Statistical Software Package) version 2.0 based on the USGS Bulletin 17B Guidelines. The latter part of this session will focus on performing a statistical gage weighting analysis for an ungagged stream using the USGS NSS (National Stream Statistics) program version 6.0 based on the gage analysis from HEC-SSP.                  Session 6, Unsteady HEC-RAS – This part of the training course will focus on the common hydraulic riverine modeling parameters using the HEC-RAS (River Analysis System) version 4.1 for an unsteady-state flow analysis.                  Session 7, History of Dam Failures and Types of Dam Failures – This part of the course will cover a brief history on dam failures and the common mechanisms that causes such failures.                  Session 8, Dam Break Analysis – This part of the training course covers the Dam Break Module within HEC-RAS. Participants of this course will develop a basic dam break model using HEC-RAS.</p>
9:00 AM - 12:15 PM	<p><b>Mitigation Plan Improvement and Action</b>                  9:00 - 10:30 - Mitigation Plan Improvement and Action - Dale Lehman, Charles Crowell, Paul White and Brett Bowen, URS</p> <p>10:30 - 12:15 - New MS4 Program - Charles Crowel and Ty Alexander, URS</p>
10:30 AM - 10:45 AM	<p><b>BREAK</b>                  Exhibit Hall</p>
10:45 AM - 12:15 PM	<p><b>No Adverse Impact</b>  <b>10:45 – 11:15am Stormwater Control Measure Retrofit Studies and Programmatic Opportunities to Enhance Stormwater Management – An NAI Approach</b></p> <p>Description: The presentation will explore various types of stormwater management studies and their applicability, costs and benefits. In addition to identification of water quality and quantity retrofit opportunities, municipal stormwater permits, water quality degradation, TMDLs, and flooding are leading to stormwater regulations that target new and re-development. New regulations may allow for trading markets and other innovative methods to address the hydrologic challenges that result from urban development patterns. In addition, common and innovative components used in retrofit and stormwater master planning studies will be presented, drawing on on-going developments in the Chesapeake Bay Watershed, where a massive TMDL and looming deadline to achieve load reductions are driving stormwater thinking and technology to answer difficult questions and fill gaps in technical knowledge and policy.</p> <p>Speaker: Jake McLean, Civil Engineer with Michael Baker Jr., Inc</p> <p><b>11:15 – 12:15pm NAI – War Stories and Future Trends</b>                  Description: No Adverse Impact Floodplain Management has made a significant impact on how the nation views the creation and mitigation of flood risk. Larson and Plasencia were the co-developers of the NAI approach to floodplain management. In this session learn from the history of NAI and observations on future trends. This will be conducted as one of the NAI Committee's "Lunch &amp; Learn" webinars. As such we will have participants both in the room and on Web-ex. The speakers will present and address questions remotely, as well. Should be lots of fun!</p> <p>Speakers: Larry Larson, PE CFM Director Emeritus and Sr Policy Advisor ASFPM; Doug Plasencia, PE CFM Vice President Michael Baker Jr., Inc.</p>
10:45 AM - 12:15 PM	<p><b>USGS - Cancelled</b>                  THIS SESSION HAS BEEN CANCELLED</p>
12:15 PM - 1:15 PM	<p><b>Keynote Speaker Luncheon</b>                  Charley English, Director, GEMA</p>
1:15 PM - 2:15 PM	<p><b>GAFM Regional Sessions</b></p>

	<p>Region-Specific Issues Discussed See Conference Handout for room assignments</p>
2:30 PM - 4:00 PM	<p><b>Concurrent Session A</b> Floodproofing and Floodventing - Garrett Tirpak, SmarVent</p>
2:30 PM - 4:00 PM	<p><b>Concurrent Session B</b> A Comprehensive Master Plan with Floodplain Protection Goals - Mike Schmidt, CDM Smith</p> <p>Mapping the Risk and Engaging the Public - Keys to Outreach Program Success - Lisa Sterling, CDM Smith</p> <p>Using SWMM Dynamic Modeling for CLOMR Applications - Jose Guzman and Gaston Cabanilla, CDM Smith</p>
2:30 PM - 4:00 PM	<p><b>Concurrent Session C</b> Roswell Stormwater Ordinance Changes and Updates - Danelle Alloway, City of Roswell</p> <p>Atlanta Ordinance Changes and Updates - Cory Rayburn, City of Atlanta</p> <p>Recent Changes to the NPDES MS4 Phase II Permit - Emily Wingo, GA DNR</p>
2:30 PM - 4:00 PM	<p><b>Concurrent Session D</b> FEMA's Coastal Surge Study in Georgia - Michael DelCharco, Taylor Engineering City of Pooler Physical Map Revision - Jaime Tyson and Michael Taylor, AECOM</p>
4:00 PM - 5:00 PM	<p><b>GAFM Committee Meetings</b> Conference Committee Mitigation, NAI and Programs Committee GIS/Mapping Standards Committee CRS Users Group</p> <p>See onsite conference agenda for room assignments</p>
5:30 PM - 7:00 PM	<p><b>Exhibit Hall Reception</b> <b>Exhibit Hall Reception</b></p>

**Thursday, March 14, 2013**

7:30 AM - 8:30 AM	<p><b>Continental Breakfast</b></p>
8:00 AM - 9:00 AM	<p><b>General Session 3: Biggert-Waters 2012 and Risk MAP Resilience</b> Introduction to BW 2012 - Susan Wilson, FEMA</p> <p>Risk Resilience: A Case Study - Leslie Durham, ADECA</p>
9:00 AM - 10:30 AM	<p><b>Concurrent Session E</b> Countywide Dam Breach Modeling and Mapping for Emergency Preparedness - Jonathan Semerjian, Gwinnett County; Gregg Hudock, Golder; and Sam Fleming, Dewberry</p> <p>Capitol Improvement Planning: Utilizing Floodplain Models - Konathan Semejian, Gwinnett County; Seyoum Asemenaw and Clay Daniel, Dewberry</p> <p>Flood Inundation Mapping and City Preparation for Next Flood - Craig Carpenter, City of Austell</p>
9:00 AM - 10:30 AM	<p><b>Concurrent Session F</b> Property Aquisition Process, Site Maintenance &amp; Improvement Options - Celia Klardie, City of Sandy Springs and Brett Bowen, URS</p> <p>Commercial Case Study: Flood Mitigation Alternatives - Kevin Smith, Thomas &amp; Hutton</p> <p>Duplicate Effective Model Case Study: Hurdles of Converting HEC2 to HEC-RAS - Jennifer Roach, Thomas &amp; Hutton</p>
9:00 AM - 10:30 AM	<p><b>Concurrent Session G</b> Update on Tribal Outreach Initiatives - Lynne Keating, FEMA Region IV</p> <p>Communicating Flood Risk and Engaging Community Action Using FloodSmart Tools - Abbi Boose, FloodSmart</p> <p>Adapting Floodplain Ordinances for New Mapping in Historically Modified Floodplains of Urban Areas - Raymond Wilke, City of Atlanta</p>
10:30 AM - 10:45 AM	<p><b>Break</b></p>
10:45 AM - 12:15 PM	<p><b>Concurrent Session H</b></p>

	<p>Watershed Planning in Gwinnett County - Pete Wright, Gwinnett County</p> <p>Lilburn City Park Stream Restoration and BMP - Arvind Narayanan and Jill Stachura, Brown &amp; Caldwell</p> <p>Alpharetta Webb Bridge Park - A Systematic Response to Water Quality Concerns - Carla Muscarella, Manhard Consulting</p>
10:45 AM - 12:15 PM	<p><b>Concurrent Session I</b></p> <p>Successful Green Infrastructure Solutions for Communities - David Ashley, WK Dickson</p> <p>GI/LID Program Development: Case Studies and Management Considerations - Patrick Gervais and Chrissy Thom, CH2M Hill</p> <p>Higher Standards: When Paying More Costs a Lot Less - Eric Kenney, CDM Smith</p>
10:45 AM - 12:15 PM	<p><b>Floodplain Model Demonstration</b></p> <p>Learn how you can educate your community about flooding using GAFM's mobile flood model.</p> <p>This model has been used at festivals, schools and conferences throughout the Atlanta areas by Douglas County, City of Alpharetta, City of Decatur, URS and GA DNR to educate children and adults about the affects of flooding in our communities.</p>
10:45 AM - 12:15 PM	<p><b>Substantial Damage Estimator Training</b></p> <p>Learn about the latest release of SDE Software - Mark Vieira, FEMA Region IV</p>
1:00 PM - 4:00 PM	<p><b>CFM Exam</b></p> <p>ASFPM CFM Certification Exam</p>
1:00 PM - 4:00 PM	<p><b>CFM Exam</b></p> <p>As part of the GAFM Conference, the Association of State Floodplain Managers (ASFPM) Certified Floodplain Managers (CFM®) Exam will be offered.</p> <p>In order to take the CFM exam, you must complete and submit the CFM Program Application Package to the ASFPM. The forms are available on the ASFPM website <a href="http://www.floods.org">www.floods.org</a> under the Certification Program tab. The fee for taking the exam is \$100 for ASFPM members and \$375 for non-members. You may submit an application for ASFPM membership at the same time as applying to take the CFM exam.</p> <p>In order to be accepted to take the Certified Floodplain Managers Exam at the conference, you must submit your completed application along with the appropriate fee to ASFPM by <b>February 28th</b> (2 weeks prior to exam date). No walk-ins will be allowed unless authorized by the ASFPM Executive office.</p>
1:00 PM - 4:00 PM	<p><b>GAFM Exec Board Meeting</b></p>
1:00 PM - 3:30 PM	<p><b>GAFM Executive Board Meeting</b></p>