



GAFM News

Volume 2, Issue 5

2nd Quarter

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Outstanding Achievement Award

Garrett is a Charter Member of GAFM and was very instrumental in its organizing. He served as first Conference chair and continued in that position for several years. During his tenure as Conference Chair the quality of each annual and quarterly conference steadily improved including enhancements to conference registration such as on-line registration, membership and payment.

As past Treasurer of GAFM, Garrett maintained up to date financial records and ensured that GAFM continued to be financially sound. He was instrumental in GAFM receiving its federal 501 (c)(3) status.

Garret's quiet demeanor, vision and leadership have greatly contributed to the growth and quality of GAFM and he is certainly recognized by the membership of GAFM for both his physical stature as well as the strength of his character. **A deserving award for an outstanding individual.**



Change in Increase Cost Of Compliance (ICC)

By Janice Mitchell

Since FEMA headquarters found that some ICC claims had been denied in those communities that have adopted a smaller threshold than the NFIP minimum of 50% of the Market Value at the time of damage, they have implemented a change in the definition of Substantial Damage.

In Section 105(b)(4)(15) the definition of substantial damage is amended. This amended definition includes an NFIP insured structure "that has incurred damage for which the cost of repair exceeds an amount specified in any regulation" - currently 50% of the Market Value of the structure at the time of loss. This section adds "or by a community ordinance, whichever is lower."

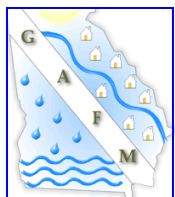
(See ICC on Page 5)



GAFM would like to wish a very Happy Birthday to April - July birthdays

<u>Name</u>	<u>Date</u>
Vee Burnham	May 14
huttasar@msn.com	
Charles Absher,	May 23
charles.absher@jacobs.com	
Terri Turner	June 6
tturner@augustaga.gov	
Collis Brown	July 6
collis_brown@mail.dnr.state.ga.us	
Ray Parker,	Aug. 9
rparker@cityofdouglas.com	

Your birthday could be here— send your birthday information to: tmcdonald@savannahga.gov



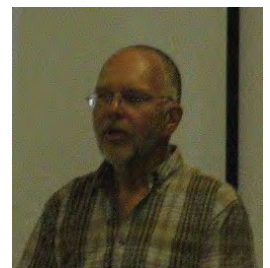
Message from the Chair

During a short email interchange with North Region Rep. James Davis, I asked if there was anything GAFM could help with. Part of James's comment was **"The only thing I would like to ask of GAFM is that you keep us in your thoughts and prayers!"** So, GAFM family, at this time please take a moment and pray for the people who have been adversely affected by the recent weather system that devastated parts of the southeast.

We have completed the 2011 election year. Join me in congratulating the newly elected and appointed board members and wishing the returning and new board members well as **they set off for another year's quest of steering GAFM.** (See **Board Members** on page 3)



Georgia has its first Class-5 Community Rating System (CRS) community - the City of Griffin. Effective May 1, 2011 Citizens of Griffin within a Special Flood Hazard Area (SFHA) will see a 25% discount on their Flood Insurance premiums and 10% on a Standard Rated Policy for citizens in the X, C or B zones. Outstanding Achievement! Congratulations Jeff Stanley, Floodplain Administrator, and to the City of Griffin!



Green Infrastructure – A Move Toward Sustainability

By Terri L Turner, AICP, CFM



Innovative green practices have become increasingly popular in recent years, offering not only environmental benefits, but ecological, economic and social benefits, as well. From use on a small scale by an individual homeowner, a medium scale in the construction of a subdivision, to large scale uses in municipal stormwater management, green infrastructure is still developing in the market place and proves to provide long term sustainable benefits.

Green infrastructure has been found to help offset the negative effects of a changing globe – namely catastrophic flooding, extreme temperature records (both high and low temperatures) and other devastating natural hazards.

Recent reports released by the Center for Clean Air Policy Urban Leaders Adaptation Initiative suggest that utilizing green infrastructure into land use planning within communities can have positive effects on community resilience, human health, air quality, energy demand and economic prosperity. The two reports, *The Value of Green Infrastructure for Urban Climate Adaptation* and *Lessons Learned on Local Climate Adaptation from the Urban Leaders Adaptation Initiative*, document the ways in which pioneering communities have developed and applied proactive approaches to increase community resilience by planning for and adapting to emerging climate change impacts. (Center for Clean Air Policy (CCAP) Press Release – February 28, 2011 – Press Contact, Marielle Walter)

Whether required by regulation or part of a sustainable design, practices such as green roofs, tree planting, bioretention and infiltration, permeable pavement, and water harvesting are but a few of the green infrastructure techniques that can be used to reduce our stormwater footprint. The benefits of green infrastructure practices are many, but for the purposes of this article we will only outline a few:

Benefit	Reduces Stormwater Runoff				Reduces Energy Use	Improves Air Quality	Improves Community Livability		Improves Habitat
	Reduces Water Treatment Needs	Improves Water Quality	Reduces Grey Infrastructure Needs	Reduces Flooding			Improves Aesthetics	Improves Recreational Opportunities	
Practice									
Green Roofs	●	●	●	●	●	●	●	Maybe	●
Tree Planting	●	●	●	●	●	●	●	●	●
Bioretention & Infiltration	●	●	●	●		●	●	●	●
Permeable Pavement	●	●	●	●	Maybe	●			
Water Harvesting	●	●	●	●	Maybe	Maybe			

Progressive communities all over the United States such as Milwaukee, Wisconsin and Denver, Colorado are finding that there are huge pluses for the use of green infrastructure. For example, the Milwaukee Metropolitan Sewerage District (MMSD) has found that for managing its stormwater, flooding and sewer overflow problems in their urban areas, purchase of upstream conservation areas and the use of green infrastructure is cheaper than building capital **(See Sustainability on Page 6)**



GAFM's check to ASFPF's Foundation

Field Trips are Back

Conference attendees enjoyed the choice of the Bufort Dam or Lake Lanier



Board Members: Cont. from Page 1

Chair – Tom McDonald

Vice Chair – Garrett Skinner

Secretary – Verna Yin

Treasurer – Chris Budd

Regional Representatives

(Cont. from page 1)

Region 1— North

James Davis

Catoosa County

Region 3— Central

Rickey Blalock

Peach County Flood Official

Region 4— Coastal

(Board Appointed)

Dianne Otto

City of Tybee Island

Region 5— Metro Atlanta

Duane R. Demeritt

Austell Public Works

Region 6 — East

(Board Appointed)

George Eastman

Columbia County

At Large Representatives

1. Emily Wingo,
GA DNR (Atlanta, GA)

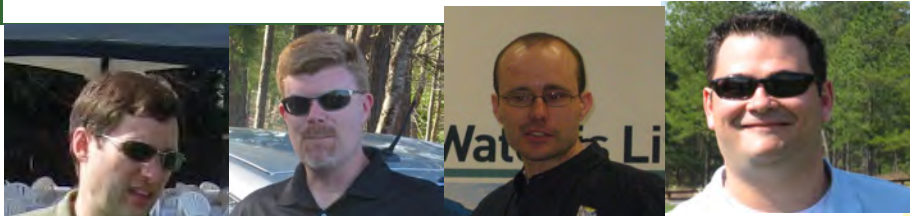
2. Jennifer Roach
Thomas & Hutton (savannah, GA)

3. Tom Shillock
GA DNR (Atlanta GA.)

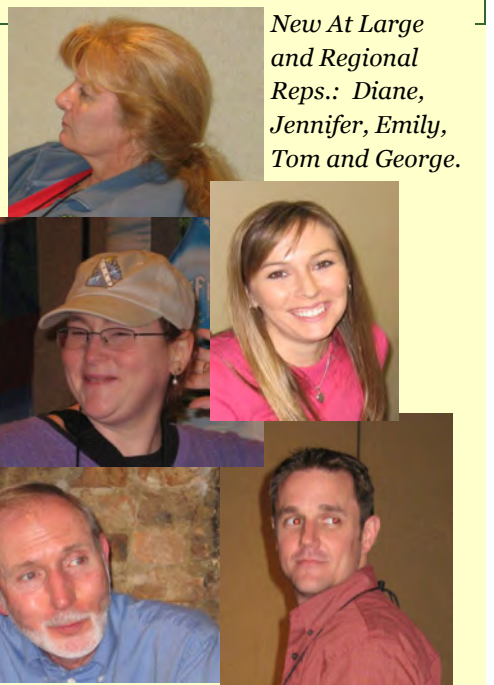
We did it again, another successful conference. 188 attendees were subjected to two and a half days of Georgia's finest in their fields. Twelve golfers, some not specialists at the game, had a dream day for chasing the little white ball around. The days to follow were just as spectacular as Duncan's tee shots. I can not say enough about the conference committee for bringing together an assortment of topics and instructors. It was the instructors that propelled the conference to a national level. Thank you Alice Champagie, Danielle Volpe, Jill Bazinett, Terri Turner, Veronica Briers, and Garrett Skinner for your

dedication to the conference details. Also, Charles Absher and Michael Blakely for awards. We were able to continue our donation of \$1000.00 to the ASFPF Foundation, which helps promote floodplain issues and scholarships.

The curriculum was outstanding. There were so many that participated it is hard to get them all, but I will try: Sue Hopfensperger, Mike Bratcher, Mark Vieira, Mike Buckley, Eric Coughlin, Joe Martinenza, Amy Bergbreiter, Brad Loar, Ban Saman, David Braswell, Laurie Hawks, Sam Fleming, David Stroud, Nathan Hayden, Shannon Brewer, George Thompson, Jeff Butler, Bill Finnick, Laura Algeo, Collis Brown, Terry Lunn, Brian McCallum, Melissa Tuttle Carr, Mary Rountree, Lee Harrop, Bill Hodgins, Lynn Green, Seth Yurman, and Bruce Bender, Terri Turner, Sean Roache, and Ed Thomas.



(L-R) Joe Martinenza (Atkins), Duncan Hastie (Dewberry), Sam Crampton (Dewberry), and Chris Budd (Atkins) won the 2011 GAFM Golf challenge. In addition Duncan Hastie won longest tee shot and Sam Fleming (Dewberry) won closet to the hole.



New At Large and Regional Reps.: Diane, Jennifer, Emily, Tom and George.

Training



The NAI Committee, Atlantic Energy and Engineering, Michael Baker Jr. Corp., and Gwinnett County invites you to attend a Web seminar using WebEx. ASFPM has approved one (1) Continuing Education Credit (CEC) for each Lunch & Learn attended.

Next Training:

- August 2011 – Impacts of Development in the floodplain and benefits of planning presentation will be sponsored by Atlantic Energy and Engineering.
- November 2011 – Master Flood Protection Plans presentation will be sponsored by Gwinnett County.

Please follow the instructions and click on the link below to register for the Lunch & Learn: Registration password: This event does not require a password for registration To Register for the online event

(see Register Page 6)



NAI Corner:

NAI Committee Chair:
Sean Roche, CFM

At GAFM's 6th Annual Floodplain Managers conference, the NAI Committee conducted its yearly committee meeting. In addition, during the NAI concurrent session on March 22nd the committee distributed a summary of the NAI Survey responses and a Training Assessment Needs form to attendees. The

assessments forms contained a list of targeted training topics based on the initial survey results. Attendees were asked to prioritize the initial list of training topics future Lunch & Learn presentations.

Based on the assessments collected, the initial list of Lunch & Learn topics and sponsoring organization were identified to be conducted over the next 6-8 months:

- May 2011 – Stream Restoration presentation was sponsored by Michael Baker Jr., Inc. We were pleased with the support of **the first session of our Lunch & Learns on Wednesday, May 4, 2010 from 12:00pm to 1:00pm (EST). "Stream Restoration"**, which relates to NAI Building Block 4, Regulations and Development Standards from the NAI Toolkit.
- August 2011 – Impacts of Development in the floodplain and benefits of planning presentation will be sponsored by Atlantic Energy and Engineering.
- November 2011 – Master Flood Protection Plans presentation will be sponsored by Gwinnett County.

ASFPM has approved this Lunch & Learn for (1) Continuing Education Credit (CEC)

See the "Training" Section in this newsletter for additional details on Lunch & Learn dates. Times will be finalized in the coming weeks, so look for emails from GAFM's NAI Committee for further details.



New CFM's in Georgia

Reza Aral, CPESC, CFM East Point
Rebecca L. Cox, CFM Warner Robins
Charles E. Davis, CFM Sandy Springs
Lisa K. Duncan, P.E., CFM Atlanta
Aaron S. Earley, CFM Lawrenceville
Nicholas J. Griffiths, CFM McDonough
Jason L Hall, CFM Ringgold
Stoney L. Harness, CFM Homer

Hughes, Michael, Savannah
Julie M. King, CFM Lawrenceville
Erik W. Lombard, P.E., CFM McDonough
Wendy A. Lowenthal, CFM Evans
Anne S. Minihan, JD, CFM Atlanta
James E. Moore, CFM McDonough
Benjamin Randall Newman, CFM Statesboro
Brandon Orth, CFM Lawrenceville
Kristin J. Ray, P.E., CFM Kennesaw
Jean J. Rearick, P.E., CFM Roswell
Walter S. Rekuc, Jr., CFM Atlanta
John Bennett White, P.E., CFM, Sandy Springs

ICC (cont from page 1) WYO companies and the Special Direct Facility have been directed to ... adjust ICC claims using a threshold contained in the State's or community's Floodplain Management Ordinance that has been adopted and is uniformly enforced prior to the loss if that threshold is lower than the 50% of the market value at the time of loss.

This means that those communities that have adopted a lower substantial damage threshold will need to update the definition in their ordinance. It also means that when a community declares a structure substantially damaged using an adopted lower threshold, the community will have to provide a copy of the minutes of the meeting adopting the lower threshold and a copy of the floodplain ordinance to policy holder to file with the ICC claim.

If you have further questions, please let me know.
Janice Mitchell, Insurance Program Specialist
FEMA, Region 4
Phone 770-220-5441



Congratulations to GAFM's Terri and Alan for being elected to ASFPM's 2011-12 Board of Directors.

Seated L-R: Larry Larson, PE, CFM, Executive Director ; Ingrid Danler, Associate Director-Operations; Chad Berginnis, CFM, Associate Director; Bill Nechamen, CFM, New York, Vice Chair; Sally McConkey, PE, CFM, Illinois, Chair; John Crofts, CFM, Utah, Treasurer; Alan Giles, CFM, Georgia, Secretary.

Standing L-R: Terri Turner, AICP, CFM, Georgia, Region 4; Paul Woodward, PE, CFM, Nebraska, Region 7; Michelle Burnett, CFM, Rhode Island, Region 1; Alisa Sauvageot, CFM, Arizona, Region 9; Heidi Carlin, CFM, Texas, Region 6; Michael Dopko, CFM, New York, Chapters District 1; Ceil

Strauss, Minnesota, Region 5; Valerie Swick, CFM, Arizona, Chapters District 5; Alison Meehan, Virginia, Region 3; Gerald Robinson, PE, CFM, Illinois, Chapters District 2; Diane Calhoun, CFM, Texas, Chapters District 3. ***Not pictured:*** Laura Tessieri, PE, CFM, New Jersey, Region 2; Jeff Sickles, PE, CFM, Colorado, Region 8; Bob Freitag, CFM, Washington, Region 10; Brad Anderson, PE, CFM, Colorado, Chapters District 4.

Thank you ASFPM ***News & Views*** June 2011 .

Sustainability (cont from page 2). infrastructure (“pipes and traps”) (The Value of Green Infrastructure; Center for Neighborhood Technology 2010). “Green infrastructure is so much more sustainable than capital infrastructure”, states Dave Fowler of the MMSD. “While it will never completely replace capital infrastructure, it goes a long way in reducing the overall costs on operation and maintenance.”

“We have seen other positive effects, as well,” states Fowler. “In urban areas, it encourages the property owners to become a stakeholder in the process. When they find out the money that can be saved, they want to be a part of it.”

Another green infrastructure proponent is the Urban Drainage and Flood Control District (UDFCD) of Denver, Colorado. The UDFCD was created in 1969 to assist local governments in the Denver Metropolitan Area with multijurisdictional drainage and flood control problems. The UDFCD has found the Natural and Beneficial Functions (NBF) of many of their projects, such as trail corridors, parks, recreation, wildlife habitat, flood storage, and groundwater recharge areas can serve as amenities to adjacent neighborhoods and entire communities. “We recognize that nature can protect us from the extremes of nature. Stream corridors are truly community treasures”, states David Mallory of UDFCD.

Probably the easiest, the least costly, and one of the most long term sustainable green infrastructure initiatives, is the planting of trees. Trees, especially as part of a regional or urban green ecosystem, help create a better quality of life and are cost-effective, sustainable and environmentally friendly. Urban forests conserve natural ecosystems and sustain clean air and water. Urban forests also reduce stormwater runoff, cool the urban heat island effect, reduce energy consumption, reduce air pollution, and provide wildlife habitat. Communities, through wise land use practices, can offset the ecological impact of land development by utilizing the urban forest's natural capacity to mitigate negative environmental impacts. Urban forests also provide social and health benefits for individuals through outdoor recreation, as well as economic benefits for communities in increased land values for properties surrounding these green areas. (Planning the Urban Forest, James Schwab, APA Planning Advisory Service, 2009)

Green infrastructure is a great flood fighting mechanism, as well. Green infrastructure reduces stormwater runoff volumes and reduces peak flows by utilizing the natural retention and absorption capabilities of vegetation and soils. By increasing the amount of pervious ground cover, green infrastructure techniques increase stormwater infiltration rates, thereby reducing the volume of runoff entering our combined or separate sewer systems, and ultimately our lakes, rivers, and streams. Green infrastructure can also improve the rate at which our groundwater aquifers are “recharged” or replenished, which, in turn, increases the base flow in our rivers and streams. This in turn, can boost the supply of drinking water for private and public uses. (US Environmental Protection Agency, Managing Wet Weather with Green Infrastructure, http://cfpub.epa.gov/npdes/home.cfm?program_id=298)

Statisticians tell us that the built environment will increase by an astounding 50% in the next 15 years and that many of those structures will be built in high risk areas. Additionally, at full build out, flood heights are projected to increase dramatically, while sea level rise is expected to continue. As we move into the next decade, the gatekeepers of our natural environment will be met with challenges like they have never witnessed before. At the same time, we, the users of our natural environment, will be called on, to become better stewards of our natural resources. The use of green infrastructure just makes good common sense. Hopefully, if we all work together to promote sustainability and resiliency, by the use of green infrastructure, we will find a green legacy in our footprints and leave our planet a little better off than how we found it.

The author, Terri L Turner, AICP, CFM is Assistant Zoning and Development Administrator for the Augusta-Richmond County Planning Commission in Augusta, Georgia. Terri is the past Chair of the Georgia Association of Floodplain Management (GAFM), the current Association of State Floodplain Managers (ASFPM) Region 4 Director, the current ASFPM No Adverse Impact (NAI) Committee Co-Chair and was awarded the 2010 ASFPM Local Floodplain Manager of the Year Award. Terri also serves as the Deputy Executive Director of the Natural Hazard Mitigation Association (NHMA).

Register (cont. from page 4)

1. Go to <https://mbakercorp.webex.com/mbakercorp/onstage/g.php?d=666078863&t=a&EA=nshields%40mbaker-corp.com&ET=3f6b24a42461a58cb097bc9a58eb750f&ETR=d7e67316e6af2bafacddb7327c8cfed7&RT=MIMxMQ==&p<https://mbakercorp.webex.com/mbakercorp/onstage/g.php?d=666078863&t=a&EA=nshields%25%2040mbakercorp.com&ET=3f6b24a42461a58cb097bc9a58eb750f&ETR=d7e67316e6af2bafacddb7327c8cfed7&RT=MIMxMQ==&p>>

2. Click "Register".

3. On the registration form, enter your information and then click "Submit".

Once the host approves your registration, you will receive a confirmation email message with instructions on how to join the event and a copy of the presentation.



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THC Inc
FloodSmart

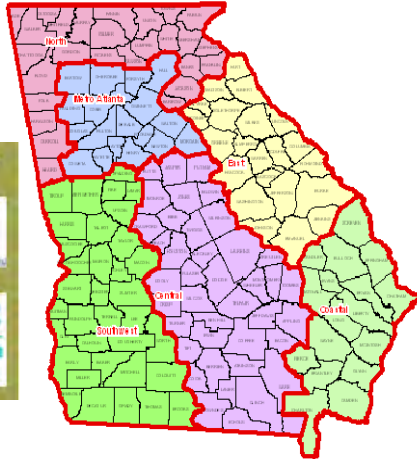
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GAFM Committee Chairs

News letter Editor:

Veronica Briers
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Awards:

Unfilled

Conference Planning Committee:

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Dewberry
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Membership Services:

Unfilled

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Chaplain:

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Your GAFM Board for 2011-2012

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Tom McDonald CFM
City of Savannah
GAFM.Chair@gafloods.org

Vice-Chair:

Garrett Skinner, CFM
Atkins
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Secretary:

Verna Yin, CFM
Georgia Dept of Natural Resources
GAFM.Secretary@gafloods.org

Treasurer:

Chris Budd, CFM
Atkins
GAFM.Treasurer@gafloods.org

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Coastal:

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City of Tybee Island
GAFM.CoastalRep@gafloods.org

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Columbia County
GAFM.EastRep@gafloods.org

Metro Atlanta:

Duane R. Demeritt
Austell Public Works
GAFM.MetroRep@gafloods.org

North :

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Catoosa County
GAFM.NorthRep@gafloods.org

Southwest :

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Columbus Consolidated Government
GAFM.SouthwestRep@gafloods.org

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1. Emily Wingo
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Emily.Wingo@dnr.state.ga.us

2. Jennifer Roach
Thomas & Hutton
(Savannah, GA)
roach.j@thomasandhutton.com

3. Tom Shillock
GA DNR (Atlanta GA.)
Tom.Shillock@dnr.state.ga.us

Education in Schools Coordinator:

Bill Finnicks, CFM
Moreland Altobelli
Bfinnick@maai.net

CFM Mentor Program

Coordinator:
Terri Turner, CFM
Augusta-Richmond County Planning Commission
tturner@augustaga.gov

The GAFM News is published on a quarterly basis of each year. To submit information for the Newsletter, contact Veronica Briers (veronica.briers@dnr.state.ga.us) or Tom McDonald (tmcdonald@savannahga.gov)