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HAVE A QUESTION???

ask the expert!

Risk MAP program,
engineering, mapping, flood
insurance, etc.

Send the newsletter
committee your question and
we will find the right expert to
answer it in our next issue.

SUCCESS STORY

Each quarter, an individual will be selected as a success story for floodplain management in Tennessee.

.....

Brian McCain, a TN licensed surveyor is an exemplary professional, who is ambitious, astute and a role model for other surveyors. Brian's achievements include obtaining his Certified Floodplain Manager and Certified Floodplain Surveyor designations in the summer/fall of 2018. Brian is a fantastic example of what can be achieved in a short space of time with motivation, desire and determination. He is inquisitive and wants to help local floodplain administrators by submitting accurate Elevation Certificates and Letters of Map Changes.

State Coordinator's Update

There is one song from the 1980s that is synonymous with the City of Cleveland, Ohio. Huey Lewis and the News had an infectious song, "The Heart of Rock and Roll." The song depicts rock music as being alive and well across the United States. The City of Cleveland lobbied to have the Rock and Roll Hall of Fame due to the term being coined by Alan Freed, a disc jockey who heavily promoted the new genre of music.

The heart of floodplain management will be occurring in the City of Cleveland, for the 2019 Association of State Floodplain Managers (ASFPM) Conference, May 19-23, 2019. The annual conference attracts participants from across the country seeking to learn floodplain management best practices and strengthen a community's local floodplain administration. The conference will include presentations, technical workshops, training sessions and exhibits covering a variety of topics.

Some of you may identify your local community's floodplain management program with the lyric within the song, "now the old man may be barely breathing." If that's the case, you have several opportunities to strengthen your knowledgebase and comfortability with NFIP regulations and enforcement. We have two upcoming training events for stakeholders across the state including the L-273 course in Knoxville, TN or the annual TN AFPM Conference in Chattanooga.

Amy Miller, CFM



FROM THE CHAIR: It's Conference Season!



We are coming up on the ASFP Annual National Conference next month! Flood Fest 2019: The Mitigation Resilience Tour will be held in Cleveland OH from May 19 – 23. I have been regularly attending this national conference since 2011, and find that it has greatly expanded my circle of floodplain associates. This conference has great technical session presentations, a number of excellent workshops, as well as great plenary session presentations by national leaders from government and consulting leaders in the field. The final evening of the conference will be a networking reception at the Rock and Roll Hall of Fame. You will see old acquaintances and make new friends. Hope to see you there!

Be sure and block your calendar for our annual Tennessee Association of Floodplain Management conference which will be held again this summer from July 31 until August 2. We had a great time last year, and many of our members brought their families along as well! There are a lot of fun activities in Chattanooga. We are putting the finishing touches on a great lineup of presenters, and are certain that you will benefit from a broad cross-section of talented floodplain professionals.

If you have been putting off your completion of the Certified Floodplain Manager (CFM) program, now is the time to begin a study program. There is a new CFM Study Guide on the ASFP web site at the following link: https://www.floods.org/ace-files/documentlibrary/CFM/CFMExamStudyGuide_20180530.pdf. If you begin your study now, you should have plenty of time to study each of the topic categories that are covered by the exam. We will likely provide a Floodplain Basics course as we have in years past, but you need to spend time now in the body of knowledge described in the Study Guide if you want to be truly prepared.

QUESTION:

Who completes the FEMA Elevation Certificate in Tennessee? Is it a surveyor or engineer?

The Elevation Certificate is to be completed by a land surveyor, engineer, or architect **who is authorized by law to certify elevation information** when elevation information is required for Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, or AR/AO.

In Tennessee, the TCA §62-18-102 (3) which states the practice of surveying and that **surveyors certify elevations**. In addition, the state's engineering committee within the Department of Commerce & Insurance made a determination stating, "Elevation Certificates are prepared by Land Surveyors. Their statute provides for this and this is the standard practice. Anything outside of the elevation certificate, such as a drainage analysis, is done by Engineers."

QUESTION:

What does a local floodplain administrator do about parking lots; especially different uses? For example a parking lot in a residential setting (apartment complex) versus a parking lot at a shopping mall, are these treated the same?

The NFIP requires a permit for filling, grading, paving and excavation of a parking lot per the definition of development in 44 CFR 59.1. The local floodplain administrator will issue a permit for the above types of development and require a site plan with elevations showing that the parking lot is at the BFE. It is not recommended to have a parking lot or road below the base flood elevation as it will increase flood risks and hamper response activities from local emergency response activities.

QUESTION:

How do communities enforce floodproofing requirements for accessory and agricultural buildings in the SFHA?

FEMA allows floodproofing only for nonresidential buildings. In 44 CFR 60.3(c)(3) the regulations allow that all new construction and substantial improvements can be designed so that below the base flood level the structures is watertight with walls substantially impermeable to the passage

of water and with the structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. In 44 CFR 60.3 (c) (4) requires that a registered engineer or architect develop and review the structural design and specifications.

The flood damage prevention resolution/ordinance requires the FEMA Floodproofing Certificate at the Application stage submitted by the project engineer or architect. The floodproofing documentation should include a Maintenance Plan. In addition, the permit holder shall provide to the Administrator an as-built certification of the lowest floor elevation or floodproofing level upon the completion of the lowest floor or floodproofing.

The local community official is the enforcement officer. Files can be electronic or paper based upon the official's system. The floodplain development permits need to be accessible for a Community Assistance Visit and kept in perpetuity.

QUESTION:

We know that flood files are to be kept separate and easily accessed. We are currently scanning old records into our program and any new record. Once we have all flood scanned we would like to send the files to storage. When completing a CAV visit would electronic files be sufficient? Our files are being electronically filed by street address and lot number subdivision.

QUESTION:

A subdivision is being developed and part of it has 1% flood and floodway. All surveys show no houses being built in the floodway or near the floodway. The sewer lines / easement though goes through the floodway. Should there be a land disturbance permit and/or No Rise for the land disturbed in the floodway? They are disturbing land underground, burying the lines and covering, so there is no disturbance above ground. Once the ground settles from burying the lines you will not be able to see anything but on the recorded plat it shows a 10 foot sewer easement through the floodway.

If there is no change on the ground, then the modeling is not required.

However, the surveyor or professional engineer need to provide certified cross section survey(s) that indicates no change in elevation above the ground. The engineer still needs to submit a no rise certification with his/her signature and stamp.

L-273 Managing Floodplain Development Through the NFIP

June 10 to 13, 2019
UT Municipal Technical Advisory Service (MTAS)
1610 University Avenue, Knoxville, TN 37921



June 14, 2019
8:30 am – 1:00 pm
UT Municipal Technical Advisory Service
1610 University Avenue, Room 118
Knoxville, TN 37921



East Tennessee Regional Workshop

TN AFPM 

July 31-Aug 2, 2019
Marriott Downtown
Chattanooga

West Tennessee Regional Workshop

December 6, 2019
details TBD

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TO FOLLOW THE LINK!



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website!



Linked 

NEWSLETTER COMMITTEE

JAIME TYSON

IF YOU HAVE IDEAS OR
FEEDBACK IN REGARDS TO
THE NEWSLETTER,
PLEASE EMAIL
JAIME.TYSON@AECOM.COM

Hazard Mitigation Cadre Reservist Positions

Hazard Mitigation Cadre Description

The Hazard Mitigation (HM) cadre is a team of professionals that promote risk reduction activities from all-natural hazards. This team promotes public education; encourages private sector partnership; and provides technical assistance to local and State governments regarding grants management, community planning, and floodplain management; highlights participation in the National Flood Insurance Program (NFIP); and addresses the importance of purchasing and maintaining flood insurance.

What is the Reservist Program?

Reservists are on-call part-time employees. They help individuals and communities to recover from the impacts of floods, tornadoes, severe storms, and hurricanes. Reservists also work with the state and local communities in identifying mitigation opportunities, to make a more resilient neighborhood, community, and enhance infrastructure.

Additional Responsibilities:

- Working with partners to create safer communities by reducing the loss of life and property.
- Enabling individuals to recover more rapidly from flood and other disasters.
- Reducing the financial impact of disasters on the nation.

Specialized Experienced:

If you are interested in a career in the HM Cadre, you should possess at least some of the following skills and specialized experience below:

- Flood, property and/or casualty insurance sales
- Relationship building
- Research, read and interpret flood maps
- Hold designation as Certified Floodplain Manager (CFM)
- Experience with floodplain permits
- Building appraisals, cost estimation and general contracting
- Organizational and planning skills

Hazard Mitigation Reservist Positions:

The HM Cadre maintains positions that require various levels of experience and skill. The cadre is currently accepting resumes for the following positions:

1. **HM Training & Administrative Specialist** – provide administrative support for the HM Branch and assess any training needs for all Mitigation staff in the field - this includes: training plans, training needs assessments, FQS reports, weekly training reports, and closeout reports.
2. **HM Grants Specialist** - assist the state staff in the HMGP (Hazard Mitigation Grant Program) application process, consult program regulations and FEMA policies concerning the HMGP. Coordinate with HM Planning, NFIP, Environmental and Historic Preservation (EHP), and Hazards Performance and Analysis (HPA) staff to ensure various facets of floodplain management, Benefit-Cost Analysis (BCA), Mitigation Planning and EHP requirements are considered.
3. **HM Community Planning Specialist** - assist the State, Tribal and local governments with HM Plan development, review, and approval process; and provide sustainability outreach to the planners within the disaster-affected area.
4. **HM Community Education and Outreach (CEO) Specialist** – serve as an advisor to individuals, businesses and local communities on HM, promoting strong construction, rebuilding techniques and measures; provide advice and assistance on HM program concepts and processes in a variety of venues to include Disaster

Recovery Centers (DRC), retail outlets, community meetings and events, as well as news media; develop materials such as Mitigation Best Practice stories highlighting successful implementation of various mitigation techniques.

5. **HM Data Integration Specialist** – coordinate and compile HM data and analysis reports for the branch office. Responsible for managing HM data, storage devices in addition to geospatial databases; gather, review, and organize disaster-related information, communicate HM program information to internal partners across the HM Branch and external audiences.
6. **HM Floodplain Management Specialist** – promote compliance with all applicable floodplain management regulations, ordinances, executive orders, policies, and guidance. Floodplain management ensures compliance with the rules and regulations set forth by the NFIP through coordination with local communities. Additionally, promote community outreach activities that affect riverine and coastal floodplains.
7. **HM Insurance Specialist** – serve as advisors on the flood insurance claim processes, underwriting requirements, rating criteria, and provide technical direction to FEMA staff, local governments and the public; increase awareness and enhance flood insurance knowledge by participating in public speaking events; conduct insurance outreach activities to local insurance agents, lenders, adjusters, Federal, State and local government officials; respond to caller questions via call centers concerning the NFIP.
8. **HM HPA Specialist** - perform site visits to areas affected by a disaster to develop cost effective projects, create scopes of work, design hazard mitigation proposals, look for technically feasible opportunities and help local officials to build resilience in their communities. Identify and encourage rebuilding techniques designed to harden and strengthen damaged elements to prevent future damage.
9. **HM 406 Specialist** – promote Section 406 HM and assist Public Assistance (PA) staff and applicants in identifying opportunities for the mitigation of damaged public facilities. Collaborate with PA staff in identifying, developing, and reviewing Section 406 Hazard Mitigation Proposals (HMP) for sound mitigation techniques. Assist in evaluating HMPs for technical feasibility and cost effectiveness based on one of three cost effective tests as outlined in the Public Assistance Program and Policy Guide: 15% Rule, 100% Rule, or BCA. Collect and maintain mitigation data, provide PA Section 406 mitigation reports, and furnish outreach materials to PA Branch and applicants as needed.
10. **HM Engineering and Architect Specialist** - work directly with state and local governments to evaluate eligible damages under the Stafford Act, PA Program, and HMGP. Primary duties include reviewing existing damage descriptions, evaluating applicant mitigation proposals in accordance with PA Recovery policies, write a clear and concise scope of work for disaster related mitigation, and develop cost estimates for a scope of work. Should have knowledge, skills, and abilities related to any of the following disciplines: municipal civil infrastructure systems, geotechnical engineering, hydraulic engineering, heavy construction (road and bridge design/repair, embankment stabilization, public buildings), port facility infrastructure, civil/construction engineering, WTP design/construction, WWTP design/construction or dam design/construction.

Where to Send Resumes:

If you are interested in joining our team, please submit a resume that fully documents all experience, training, and education that relates to our mitigation positions. Please provide complete contact information, including e-mail address, if available, and a statement that indicates the applicant is a U.S. citizen. Completed resumes may be sent electronically to: FEMA-HM-Recruitment@fema.dhs.gov

Tennessee Mapping Update

Currently there are 10 mapping projects occurring in Tennessee under Risk MAP contracts.

Duck River:

This Physical Map Revision (PMR) encompasses 4 panels in Coffee County.

Lower Cumberland:

This PMR affects Cheatham County, Dickson County, Houston County, Montgomery County, and Stewart County. The revision covers 95 panels and will be in appeals shortly.

Lower Cumberland-Sycamore:

This PMR affects Cheatham County, Robertson County, Sumner County, and Williamson County. The revision covers 53 panels.

Stones River:

This PMR affects 92 panels in 3 counties: Cannon, Wilson, and Rutherford.

Sullivan County:

71 work maps are currently being created for this PMR.

Nashville-Davidson:

This PMR affects 51 panels and incorporates updated modeling from USACE.

Williamson County:

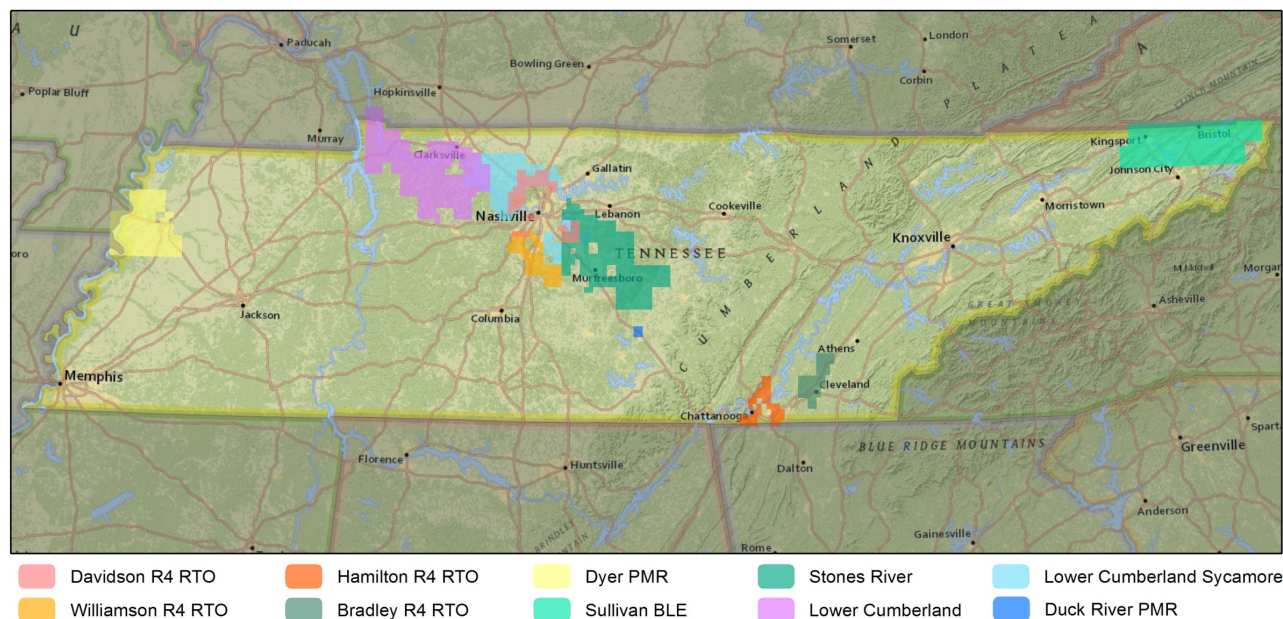
This PMR affects 34 panels in the Harpeth River Basin.

Bradley County:

This PMR affects 18 panels in the Hiawasse Basin.

Dyer County:

This PMR affects 23 panels.





TN AFPM
10TH ANNUAL
CONFERENCE
JULY 31 -
AUG 2, 2019
CHATTANOOGA, TN

10 YEARS!

We are excited to host our 10th annual conference this year in Chattanooga at the Marriott Downtown. Please register and join us for this ten-year anniversary event providing educational opportunity for floodplain administrators, community leaders, and technical professionals throughout the State of Tennessee to stay informed of current floodplain and stormwater management issues.

CONFERENCE REGISTRATION

Full Registration

(Includes instructional materials; snack breaks on Wednesday, Thursday, and Friday; Keynote luncheon on Thursday; evening social on Wednesday; and Anniversary Shirt)

Early Registration..... \$175

Late (after July 1st) \$250

Student Registration\$100



One Day Only - Thursday

Early Registration.....\$100

Late (July 1st)\$150

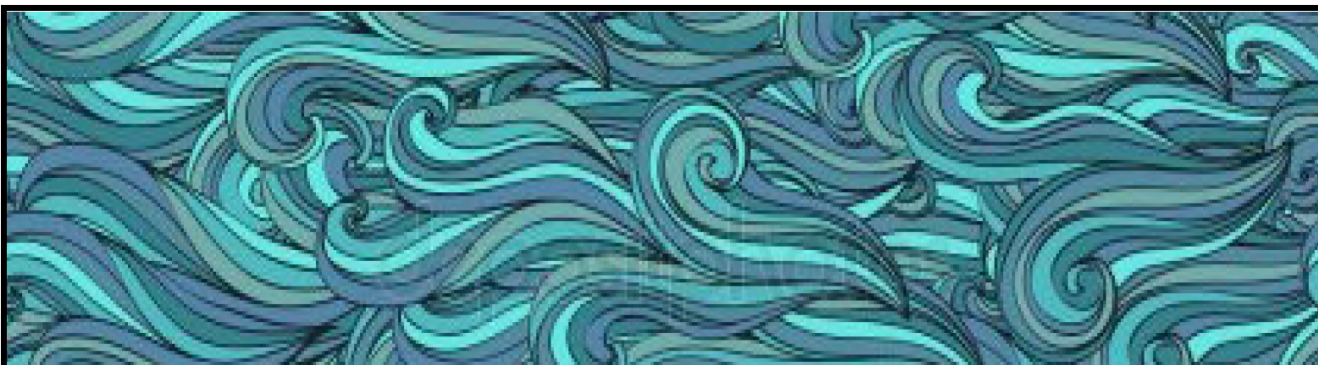
REGISTRATION NOW OPEN!

<http://www.tnafpm.com>

ANNIVERSARY SHIRTS!

Show your TN AFPM pride while at the conference this year. All attendees will receive a navy polo shirt embroidered with our TN AFPM 10-Year Conference Anniversary Logo. Select your shirt size through the conference registration.





EXHIBITORS AND SPONSORS

The TN AFPM annual conference offers the following sponsorship opportunities:

Sponsorship

Includes single booth space, 1 conference registration, and sponsor listing and logo in the conference program and on the TN AFPM website.

Early Registration..... \$350

Late Registration (July 1st)..... \$500

Additional Opportunities

The following sponsorships also guarantee company recognition and advertisement to all attendees:

- Donation of Gift bags for attendees
- Donation of Lanyards
- Sponsorship of Wednesday Night Social



HOTEL RESERVATIONS

Please book your hotel reservations at this time:

Chattanooga
Marriott Downtown
2 Carter Plaza,
Chattanooga, Tennessee 37402
\$107 per night / Code: TFMA

Call: 423-756-0002
Or use this reservation link to book online:

[Book your hotel for Tennessee
Association of Floodplain
Management](#)

CONFERENCE AGENDA

- **Wed July 31st 1pm – Fri, August 2nd 1pm**
- **Concurrent Sessions in THREE ballrooms** covering a variety of floodplain management topics for beginners to seasoned professionals!
- **Keynote Luncheon on Thursday, August 1st**
 - Jason Hunter, Chief, Floodplain Management & Insurance Branch, FEMA Region IV
- **Certified Floodplain Manager Exam**
 - Friday, August 2nd 9-12pm
 - You **MUST** register through ASFPM for the exam
 - www.floods.org
- **Exhibitor Showcase in the Rotunda**
- **Social Event**
 - Wednesday Evening Social – Our 10 Year Anniversary Celebration!
- **Course instructors from:**
 - FEMA Region IV
 - TEMA, including: Our TEMA Director; State Hazard Mitigation Officer and TN NFIP Coordinator
 - TVA
 - USACE, including Silver Jackets Meeting
 - Our TN Community Rating System (CRS) Coordinator
 - Local TN Governments, including Gallatin and Nashville
 - Vanderbilt University
 - Industry Leaders from AECOM, Floodproofing.com/ SmartVent; S&ME, Wood, and more!

Full Agenda is Coming Soon!

If you are still interested in presenting, please contact: cindy.popplewell@woodplc.com



TN AFPM NEEDS YOU!

There are a number of ways that you can get involved with the TN AFPM beyond simple membership and event attendance. We have activities going on behind the scenes all year long! While we are still working to build an official set of committees...there are a number of opportunities to start getting involved.

Below is a brief list with points of contact to get you started. If you'd like to help with something that isn't specifically listed...don't let that stop you from speaking up. Contact any of the board members and let us know what you're interested in...and we'll do what we can to make it work.

NEWSLETTER -

JAMIE TYSON (JAMIE.TYSON@AECOM.COM)

CONFERENCE -

CINDY POPPLEWELL (CINDY.POPPLEWELL@WOODPLC.COM)

MEMBERSHIP -

WILLIAM VEAZEY (TCPLANNING@BELLSOUTH.NET)

TRAINING -

SEE REGIONAL REPRESENTATIVES

MIDDLE REP

THOMAS BRASHEAR

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BRASHERT@WILSONCOUNTYTN.GOV

EAST REP

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CITY OF KNOXVILLE

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