

### Inside This Issue

- 1 TNAFPM Success Story
- 2 State Coordinator's Update
- 3 From the Chair
- 4 Ask the Expert
- 7 Training  
Website and Social Media  
Newsletter Committee
- 8 TN AFPM Volunteer Opportunities
- 9 Environmental Considerations  
Greensheet
- 11 Map Change Community  
Resources
- 12 TN AFPM Annual Conference Thank  
You!

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.



**C. Barton 'Bart' Crattie is a tireless advocate in the surveying profession and floodplain management. Bart was selected as the National Society of Professional Surveyors (NSPS), Chairman of the Certified Floodplain Surveyor program to promote and expand the program nationwide with FEMA and NSPS state chapters. He recently was featured on National Society of Professional Surveyors Radio Hour advocating the benefits of the CFS program to surveyors, floodplain managers, insurance agents and citizens.**

**Congratulations on this honor!**

## *State Coordinator's Update*

One of my favorite activities is to go swimming. Swimming can be for recreation, sport, exercise or survival. I love the water, sunshine and the ability to propel myself through the water. This activity is the synchronicity of using your arms, legs and breathing in unison to move through the water.

After a long period outside the pool, a person can forget how to do the breast stroke, butterfly or freestyle. One of the best methods is to take lessons to refresh your mind and body on the correct form and function of the particular stroke. The same can be said for floodplain management administration.

The recent TN AFPM Conference in Chattanooga was a refresher session for various practitioners in the floodplain management field. Sometimes you feel like things are going swimmingly; other times you feel like a stone sinking towards the bottom of the pool. Hopefully this conference gave you a little extra instruction and encouragement to get you going so that you can reach your goals. Obtaining your goals in the pool or floodplain administration is just like reaching for any other goal in life - it takes practice, patience and perseverance.

*Amy Miller, CFM*



### New Administrative Assistant, Kari Taylor

I am pleased to introduce you to my new administrative assistant, Kari Taylor, who is friendly, focused, and most importantly, a real administrative hero! She began her role as NFIP Specialist on May 15, 2019. She will be providing administrative assistance to this office and help further statewide floodplain management activities.



## FROM THE CHAIR: OUR THANKS FOR A GREAT ANNUAL CONFERENCE!!

On Friday, August 2nd, we wrapped up our 10th Annual TN AFPM Conference at the Marriott Hotel in Chattanooga, TN. What a great conference!! Over the years, we have been able to assemble a broad offering of presentations by representatives of communities in Tennessee (success stories by you and your fellow floodplain managers), by consultants who are providing a high level of support to our communities, by our national leadership – Chad Berginnis, Executive Director of the Association of State Floodplain Managers, by national subject matter expert Bill Nechamen, former State NFIP Coordinator for the State of New York who presented two sessions on International Building Codes and their relationship to the National Flood Insurance Program, and by representatives of the TN Emergency Management Agency, including Director Patrick Sheehan, Doug Worden and our own Amy Miller, our State NFIP Coordinator. Thanks also to our FEMA rep, Tammy Hansen, and to the consultants and vendors who were sponsors of our conference. Your financial contribution is important to the operation of our state organization.

Most important, is YOU!! While we continue to have growth in attendance, I still believe that we should have hundreds more....after all, there are over 400 communities, cities, towns, and counties that are in good standing in the NFIP, and each of them would benefit from the educational opportunities available through our regional and annual training and conferences. We enjoyed a couple of great social events, including a night out at a baseball game with the Chattanooga Lookouts, and our 10th Anniversary celebration at the Waterhouse Pavilion....lots of great cornhole competition and some excellent barbeque and cold refreshments!

After two years in Chattanooga, we will explore other venues, perhaps in the western part of the state. We encourage you to talk it up! Make sure that your boss knows that your membership in TN AFPM makes you better at your job, and helps maintain your community's standing in the NFIP. In the meantime, please keep your membership current in both our state organization as well as the ASFPM.... The newsletters and guidance that comes from our national organization is invaluable....It makes us better at what we do.

Thanks for the excellent feedback that you provided in the conference evaluation forms, and if at any time you think of some way that we can provide assistance in your role as a floodplain practitioner, please let us know! Please take advantage of the regional training sessions during the next 9 months, and we hope to see you all in Fort Worth at the next annual ASFPM Conference!

*Roger Lindsey, PE, CFM*

QUESTION:

**My community is getting new flood insurance maps. How do I help citizens understand the changes on the maps?**

The Flood Map Changes Viewer (FMCV) includes the following: Preliminary National Flood Hazard Layer, Preliminary Changes Since Last FIRM (CSLF), the Preliminary Map Comparison Tool, and the pending National Flood Hazard Layer and the National Flood Hazard Layer (NFHL). The consolidated FMCV provides a single location to access flood hazard data across several data life stages and facilitates a better understanding of potential changes coming to flood hazard risks. For more information on using the Preliminary Map Comparison Tool (PMCT) please visit: <https://www.fema.gov/media-library/assets/documents/161591>

FEMA's Flood Map Changes Viewer:

<https://fema.maps.arcgis.com/apps/webappviewer/index.html?id=e7a7dc3ebd7f4ad39>

The Association of State Floodplain Managers is an organization of professionals involved in floodplain management, flood hazard mitigation, National Flood Insurance Program, and flood preparedness, warning and recovery. Floodplain managers and other stakeholders can take an exam to be certified in floodplain management. The CFM® exam

QUESTION:

**What resources are available for studying for the Certified Floodplain Manager exam? How long should I study?**

knowledge of a community's responsibilities under the National Flood Insurance Program and related floodplain management topics.

**20-25%**  
Floodplain  
Mapping

**20-25%**  
NFIP  
Regulatory  
Standards

**15-20%**  
Regulatory  
Administrative  
Procedures

**10-15%**  
Flood  
Insurance

**10-15%**  
Flood  
Hazard  
Mitigation

**10-15%**  
Natural  
and  
Beneficial  
Functions

**5-10%**  
Overall  
Context of  
Floodplain  
Management

It is recommended to consistently study for 3-6 months prior to taking the exam. The study guide details all the material that should be studied prior to taking the exam.

[https://www.floods.org/acefiles/documentlibrary/CFM/CFMExamStudyGuide\\_20180530.pdf](https://www.floods.org/acefiles/documentlibrary/CFM/CFMExamStudyGuide_20180530.pdf)



QUESTION:

## **When is the Certified Floodplain Surveyor class? How can a local surveyor register?**

This certification program educates surveyors on the forms and processes associated with floodplain properties and the submittal of Elevation Certificates. To become CFS certified, licensed surveyors must successfully complete the three-day certification seminar and exam. PDH's are awarded for the seminar; however, no PDH credit is given for

the exam. The specific topics covered in the course are: National Flood Insurance Program (NFIP), FIRM Maps, NFIP Regulations and Elevation Certificates, Letters of Map Correction and Letters of Map Correction processing.

The class will be held in October 2-5, 2019 in Franklin, TN. The Tennessee Association of Professional Surveyors will send out registration information and collect the registration fee.

For more information:

<https://www.tn.gov/tema/national-flood-insurance-program/certified-floodplain-surveyor-program.html>

QUESTION:

## **Who enforces floodplain management? What do I do if I have a question?**

The NFIP is a federal program that is implemented on a local level. Localities have the authority and responsibility to manage development in the floodplain. Regulations adopted through a local floodplain management ordinance are administered and enforced by the community, not the State or FEMA. Requirements found in a local floodplain management ordinance will be based on flood zones mapped in that community.

If a local floodplain administrator has questions, he or she should call or email the State NFIP Coordinator. The local applicant should not be diverted to the State office for assistance as this weakens the local enforcement capabilities.

QUESTION:

**Substantial Damage and Substantial Improvements are confusing when looking at Pre and Post-FIRM structures. Is there guidance to help me differentiate on permitting?**

See below for:

**Compliance Matrix – Zone A**

Note: If a map revision has resulted in a higher BFE, a post-FIRM building must comply based on the new BFE.

Source: Substantial

Improvement/Substantial Desk

Reference FEMA P-758

[https://www.fema.gov/media-library-data/20130726-1734-25045-2915/p\\_758\\_complete\\_r3.pdf](https://www.fema.gov/media-library-data/20130726-1734-25045-2915/p_758_complete_r3.pdf)

Types of Work	Building is Pre-FIRM	Building is Post-FIRM
Rehabilitation (renovate or remodel), <u>not</u> SI	Compliance not required	Work shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance
Rehabilitation (renovate or remodel), SI	Building required to comply	Work shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance (see Note below table)
Lateral addition and Rehabilitation, SI	Addition required to comply; building required to comply	Addition required to comply; building required to comply (see Note below table)
Lateral addition, not SI	Addition not required to comply	Addition required to be elevated to at least the elevation of the existing lowest floor
Lateral addition, SI, not structurally connected	Addition required to comply; building not required to comply	Addition required to comply
Lateral addition, SI, structurally connected	Addition required to comply; building required to comply	Addition required to comply; building required to comply (see Note below table)
Vertical addition above building, <u>not</u> SI	Compliance not required	Work shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance
Vertical addition above building, SI	Building required to comply	Work shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance (see Note below table)
Repair foundation, not SI	Compliance not required	Repairs shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance
Repair foundation, SI	Building required to comply	Building required to comply (see Note below table)
Replace/extend foundation, SI (including "elevate-in-place")	Building required to comply	Building required to comply (see Note below table)
Repair damage, SD	Building required to comply	Work shall comply and shall not be allowed to make the building non-compliant with any aspect of the building that was required for compliance (see Note below table)
Reconstruct new building on existing or new foundation, SI	Reconstructed building required to comply	Reconstructed building required to comply (see Note below table)



Would you like to see another CFM exam  
date in the fall?

Please email Cindy Popplewell at  
[cindy.popplewell@woodplc.com](mailto:cindy.popplewell@woodplc.com)



October 2-5, 2019  
Franklin, TN

Certified Floodplain  
Surveyor Class

Please watch the TN AFPM website for  
further training opportunities!

West Tennessee  
Regional Workshop

December 6, 2019  
details TBD

CLICK ON ANY OF THE IMAGES  
TO FOLLOW THE LINK!



Visit our  
website!



Linked 

## NEWSLETTER COMMITTEE

JAIME TYSON

IF YOU HAVE IDEAS OR  
FEEDBACK IN REGARDS TO  
THE NEWSLETTER,  
PLEASE EMAIL  
[JAIME.TYSON@AECOM.COM](mailto:JAIME.TYSON@AECOM.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 -

JAIME TYSON (JAIME.TYSON@AECOM.COM)

## CONFERENCE -

CINDY POPPLEWELL (CINDY.POPPLEWELL@WOODPLC.COM)

## MEMBERSHIP -

WILLIAM VEAZEY (TCPLANNING@BELLSOUTH.NET)

## TRAINING -

SEE REGIONAL REPRESENTATIVES

MIDDLE REP  
THOMAS BRASHEAR  
WILSON COUNTY

BRASHEART@WILSONCOUNTYTN.GOV

EAST REP  
DAVID MCGINLEY  
CITY OF KNOXVILLE  
DMCGINLEY@KNOVXILLETN.GOV

WEST REP  
JOHN MODZELEWSKI  
SHELBY COUNTY  
JCMOD@AOL.COM





## FEDERAL EMERGENCY MANAGEMENT AGENCY ENVIRONMENTAL CONSIDERATIONS GREENSHEET DR-4320-TN



### Waterways, Including Culverts and Bridges

Permits may be required from the U.S. Army Corps of Engineers (USACE) and your regional Tennessee Department of Environment and Conservation (TDEC) office.

Projects that may require permits include:

- Work proposed in a waterway, including tributaries, wetlands, small streams and lakes.

Actions that may require permits, include but are not limited to:

- Construction and demolition
- Dredging or filling any part of surface water
- Repairing or replacing a bridge, culvert or dam.



Obtaining permits prior to construction is the responsibility of the project applicant



### Floodplains and Wetlands

- Any modifications or construction in a floodplain or wetland must be reviewed by FEMA and may require a public notice
- Debris must not be stored in a floodplain or wetland, even temporarily
- Debris removal from a wetland must be coordinated with USACE, U.S. Fish and Wildlife Service (USFWS), and your regional TDEC office before any disturbance
- For information on floodplain permitting, contact your local National Flood Insurance Program Coordinator

### Threatened and Endangered Species

The Applicant and FEMA may be required to complete consultation with the U.S. Fish and Wildlife Service and your regional TDEC office for projects that affect:

- Critical habitat, which may be located in or near water, forested areas, fields, or along the road edge.
- Endangered or threatened species within a county (listed on USFWS and TDEC websites).



### Historic and Archaeological Resources

FEMA may be required to complete consultation with the State Historic Preservation Office or tribes prior to any work beginning for projects including, but not limited to:

- Repair or demolition of structures or buildings built before 1961.
- Ground disturbing activities including projects in farmland, parking lots, or forested areas.
- Use of borrow pits

Work on historic bridges must be coordinated with the TN Department of Transportation

#### Federal Laws

- Endangered Species Act
- National Historic Preservation Act
- Clean Water Act
- Executive Order for Floodplains (11988)
- Executive Order for Wetlands (11990)

#### Project types that may require consultation

- Debris removal
- Ground disturbance, even within the right of way
- Any hazard mitigation
- Improved or alternate projects
- Changes in scope of work

## FEDERAL EMERGENCY MANAGEMENT AGENCY ENVIRONMENTAL CONSIDERATIONS GREENSHEET

### Debris Disposal and Hazardous Materials

FEMA and TEMA must be informed of the final location of all debris.

Staging areas will require site approval from your regional TDEC office.

Demolition of structures, regardless of asbestos content, must be coordinated with your regional TDEC office.

Before burning, you must obtain certification from TDEC (year round) and a burn permit from the Division of Forestry (between Oct 15-May 15 only). Burn permits can be obtained by phone by calling your county office. To find that information, [http://www.tennessee.gov/assets/entities/environment/attachments/air\\_guidelines-for-open-burning-natural-disaster-debris.pdf](http://www.tennessee.gov/assets/entities/environment/attachments/air_guidelines-for-open-burning-natural-disaster-debris.pdf)

Debris removal includes:

- clearance
- collection
- staging

- removal
- disposal

Types of debris:

- trees and gravel

The applicant is responsible for coordinating with TDEC and for obtaining and complying with all required permits before burning,

### Contacts

#### FEMA Joint Field Office

Bobby Logue  
FEMA Environmental Manager Bob-  
by.Logue@fema.dhs.gov  
718-747-4527

Brenda Apple  
TDEC Emergency Services  
Coordinator  
brenda.apple@tn.gov  
615-587-4661

#### National Flood Insurance Program

Amy Miller  
NFIP State Coordinator  
615-770-1084

#### Natural Resources Conservation Service

Jamie Carpenter (acting)  
State Conservationist 615-277-2576  
jamie.carpenter@tn.usda.gov



#### Tennessee Department of Environment and Conservation

<http://www.tennessee.gov/environment/>

#### Burn Permitting POC:

Jeff Cales  
Air Pollution Control  
931-432-7621

Contact your local field office for information and specific permitting requirements:

#### Cookeville Field Office

Tara Wohlgemuth  
(931) 520-6654

#### Knoxville Field Office

John LeCroy  
(865) 594-2147

#### Memphis Field Office

Ronné Adkins, Ph.D.  
(901) 371-3001

#### Nashville Field Office

Jaclyn Mothupi  
(615) 687-7074

#### Tennessee Department of Transportation

Historic Bridges  
Tammy Sellers  
615-741-5367

\*always include NBI # & Bridge #

#### Tennessee Historical Commission

<http://www.tn.gov/environment/history/>  
Mr. David Calease,  
Historic Preservation Specialist  
(Review and Compliance, Section 106)  
David.Calease@tn.gov  
(615) 770-1092

#### United States Army Corps of Engineers

Nashville District  
Regulatory Branch  
615-369-7500  
<http://www.lrn.usace.army.mil/Missions/Regulatory.aspx>

#### Memphis District

Regulatory Branch  
Phone: (901) 544-3471  
<http://www.mvm.usace.army.mil/About/Offices/Regulatory/>

#### United States Fish & Wildlife Service

Cookeville Field Office  
Robbie Sykes  
Permit Coordinator  
931-525-4979  
robbie\_sykes@fws.gov

Brad Bingham  
Private Lands  
931-525-4975



## MAP CHANGE COMMUNITY RESOURCES

The map change lifecycle is a lengthy process which takes several years from map initiation to issuance of a final effective Flood Insurance Rate Map (FIRM) during which a series of public engagement steps occur where FEMA, contractors, and other stakeholders have an opportunity to share risk awareness messages and promote the importance of flood insurance. That's why FEMA and the NFIP have updated and expanded its map change community resources. These resources are designed to help keep residents, business owners, and local stakeholders informed during the map change lifecycle. The updated resources include a variety of outreach materials needed to spread the word about changes to flood risk and insurance options including:

- Talking points
- Press outreach materials
- Infographics
- Brochures and postcards
- Social media graphics and posts

We are counting on you to leverage these materials as you engage with community officials and other stakeholders during the map change lifecycle. We're also asking that you share the resources widely within your network of contacts and encourage their use. Communicating with residents, business owners and other stakeholders about the map change process along with possible flood insurance impacts and options early and often is essential for ensuring community action. Starting the conversation around flood insurance coverage can help prevent future property loss and financial devastation.

Questions about the resources? Contact  
 Maggie Mathis: [mmathis@dewberry.com](mailto:mmathis@dewberry.com)  
 Butch Kinerney: [eugene.kinerney@fema.dhs.gov](mailto:eugene.kinerney@fema.dhs.gov)



**10 YEARS!**

**TN AFPM  
10<sup>TH</sup> ANNUAL  
CONFERENCE**

**JULY 31 -  
AUG 2, 2019  
CHATTANOOGA, TN**

**THANK YOU!**

We hope you found this year's agenda, speakers and presentations beneficial to your role in floodplain management. We look forward to continued opportunities to provide educational training for floodplain administrators, community leaders, and technical professionals throughout the State.

We encourage you to stay in touch with the new contacts you made at the conference, as well as, the Board of Directors, your Regional Representative, and Committee Chairs.

**Thank you, TN AFPM Board of Directors**



## STAY IN TOUCH ...

Abrams, Paul	Floodproofing.com	shows@smartvent.com	800-507-0865
Alaweneh, Emad	City of Fayetteville	ealaweneh@fayettevilletn.com	931-433-6154
Allen, Cynthia	MTSU	Cynthia.Allen@mtsu.edu	615-898-2660
Andrews 2, William	Williamson County Government	william.andrews@williamsoncounty-tn.gov	615-790-5809
Arnold, Sharliss	Wood	sharliss.arnold@woodplc.com	678-524-3379
Ball-Chandler, Douglas	Ragan Smith Associates	d.chandler@ohm-advisors.com	615-649-5264
Barzanji, Aras	US Army Corps of Engineers	aras.a.barzanji@usace.army.mil	615-238-7039
Baskin, Darek	City of Brentwood	darekb828@gmail.com	615-371-0080
Bell, Kristin	Barge Design Solutions, Inc.	kristin.bell@bargedesign.com	615-252-4282
Bertotti, Michael	Wood Environment & Infrastructure Solutions, Inc.	michael.bertotti@woodplc.com	615-333-0630
Birch, Kyle	Metro Water Services	kyle.birch@nashville.gov	615-880-1749
Blair, Chris Blair	Power Equipment	chris_blair@bramco.com	480-440-5283
Bonugli, Kareem	Metro Stormwater Services	Kareem.Bonguli@nashville.gov	615-862-4504
Boucher, Garrett	Wood PLC	garrett.boucher@woodplc.com	615-577-7058
Brashear, Thomas	Wilson County	BrasherT@wilsoncountyttn.gov	615-449-2836
Bruner, Keith	City of Kingsport	KeithBruner@KingsportTN.gov	423-229-9320
Buckner, Cameron	Blount County	bucknercameron2@gmail.com	865-806-1540
Bumgardner, Vicky	Town of Coopertown	commissioner@coopertowntn.org	615-382-4470
Bynum, Karina	TDEC	karina.bynum@tn.gov	931-520-6683
Camp, Janey	Vanderbilt University	janey.camp@vanderbilt.edu	615-322-6013
Carrington, Craig	U.S. Army Corps of Engineers	Craig.D.Carrington@usace.army.mil	615-736-7861
Catlett, Thomas	S&ME Inc	tcatlett@smeinc.com	423-954-1055
Chewning, Clark	Civil & Environmental Consultants, Inc.	cchewning@cecinc.com	615-406-1345
Clemmons, Joshua	Civil and Environmental Consultants, Inc	jcllemmons@cecinc.com	828-734-2968
Cofer, Glen	Roane County	glen.cofer@roanecountyttn.gov	865-717-4230
Cohoon, Zachariah	AECOM	zachariah.cphoon@aecom.com	404-946-9481
Corbitt II, Alexander	TDOT	Justin.Corbitt@tn.gov	615-426-2194
Crattie, C. Barton	Niles Surveying Company, Inc.	bart@nilessurvey.com	423-624-5041
Crossett, Randy	Town of Huntingdon	huntingdoncodes@aol.com	731-986-2900
Crowe, Renee	Roane County	renee.crowe@roanecountyttn.org	865-717-4230
Custer, Kenny	City of East Ridge	kcuster@eastridgetn.gov	423-867-7711
Dawson, JEFF	Niles Surveying	jeff@nilessurvey.com	423-509-1493
Dewald, Kaitlyn	Metro Water Services	kaitlyn.dewald@nashville.gov	615-862-8155
Duggin, Andrew	Town of Woodbury	mayorduggin@dtccom.net	615-563-5021
Ealy, Rob	City of Mt. Juliet	realy@cityofmtjuliet.org	615-773-6233
Edwards, David	city of kingsport, tn	davidedwards@kingsporttn.gov	423-343-9845
Fisher, Barrett	Hamilton County	barrettf@hamiltontn.gov	423-209-7856
Fisher, Lessie	City of Covington	planning.building@covingtontn.com	901-476-7191
Fontenot, Daryle	AECOM	daryle.fontenot@aecom.com	704-499-4506
Forgey, Paul	City of Albany Planning and Development	pforgey@albanyga.gov	229-438-3932
Franks, Roger	City of Savannah	rfranks@cityofsavannah.org	731-925-8007
Friday, Autumn	Hamilton County	autumnf@hamiltontn.gov	423-209-7821
Graham, Derek	City of Red Bank	dgraham@redbankTN.gov	423-240-6908
Hansen, Tamara	FEMA Region IV	tamara.hansen@fema.dhs.gov	770-220-5288
Harris, Nancy	Lincoln County	nharris@lc-tn.com	931-438-5186
Hayes, William	FM Global	william.hayes@fmglobal.com	615-826-8593
Haynes, Terry	Sumner County Building & Codes	THaynes@sumnercountyttn.gov	615-452-1467
Heflin, Floyd	Williamson County Government	floyd.heflin@williamsoncounty-tn.gov	615-790-5725
Hendrix, Rene	Haywood County	rhldgdept@yahoo.com	731-772-0432



# STAY IN TOUCH ...

Henry, G. Alex	DBS & Associates Engineering, LLC	ahenry@dbsengr.com	931-647-6959
Hernandez, Suelen	Tennessee Emergency Management Agency	suelen.hernandez@tn.gov	615-946-4660
Hinchey, Byron	S&ME Inc.	bhinchey@smeinc.com	256-382-2035
Hinton, Calvin	Hardin County	calvin.hinton@cot.tn.gov	731-925-9031
Hodge, Zachary	AECOM	zachary.hodge@aecom.com	404-965-9620
Hunt, Michael	Metro Water Services	michael.hunt@nashville.gov	615-880-2426
Hunter, Charles	Lincoln County	chunter@lc-tn.com	931-438-5186
Jackson, Renee	Metro Water Services	renee.jackson@nashville.gov	615-862-4724
Jung, Yong	AECOM	YongSun.Jung@aecom.com	404-965-9717
Karas, Stephen	Collier Engineering	stephen.karas@collierengineering.com	615-440-8475
Kerr, Randy	USACE	randall.z.kerr@usace.army.mil	615-736-5633
Khoury, Lina	Volkert	Lina.khoury@volkert.com	615-935-8955
Kiesel, Joe	Power Equipment	joe_kiesel@bramco.com	812-305-6256
Kimbrow, Jeff	S&ME, Inc.	jkimbro@smeinc.com	615-719-2776
Kline, Aaron	City of Knoxville	akline@knoxvilletn.gov	865-215-2152
Knauf, Jennifer	Metro Water Services	jennifer.knauf@nashville.gov	615-862-4793
Lawless, Christopher	Wilson County	LawlessC@wilsoncountyttn.gov	615-449-2836
Leamon, Todd	Hamilton County Government	tleamon@hamiltontn.gov	423-209-7800
Lindsey, Roger	Metro Water Services	Roger.Lindsey@nashville.gov	615-862-4706
Marshall, Kelly	AECOM	kelly.marshall1@aecom.com	706-627-9146
Martin, Chuck	Town of Signal Mountain	cmartin@signalmountaintn.gov	423-531-4741
McCain, Brian	Southern Precision Land Surveying, Inc.	brian@southernprecision.net	615-952-3600
McCord, William	City of Gallatin	william.mccord@gallatintn.gov	615-451-5796
McCoy, Shanna	City of Franklin	shanna.mccoy@franklintn.gov	615-550-6631
McGinley, David	City of Knoxville Engineering	dmcginley@knoxvilletn.gov	865-215-2072
McMahon, Patrick	S&ME	pmcmahon@smeinc.com	865-970-0003
Miller, Amy	State of TN - TEMA	amy.j.miller@tn.gov	615-532-6683
Miller, Ashley	City of Alcoa	amiller@cityofalcoa-tn.gov	865-380-4730
Modzelewski, John	Shelby County Roads, Bridges & Engineerin	jmod@aol.com	901-237-7571
Morkert, Andrew	City of Collegedale	amorkert@collegedalttn.gov	423-468-1868
Muhs, Daniel	Allen & Hoshall	dmuhs@allenhoshall.com	423-892-1203
Myers, Jennifer	Giles County Emergency Management	gilesoem@gilesoem.com	931-363-1342
Nelson, Donald	Marshall County	don.nelson@marshallcountyttn.com	931-993-6747
Newcomb-Thompson, John	AECOM	john.newcomb-thompson@aecom.com	404-946-9522
Ownby, RevJeff	Sevier County Planning	jownby@seviercountyttn.gov	865-453-3882
Palko, Tom	Metro Water Services	Tom.Palko@nashville.gov	615-862-4510
Parris, Regina	Hamilton County	reginap@hamiltontn.gov	423-209-7860
Patterson, Lyle	City of Belle MEade	lpatterson@citybellemeade.org	615-297-2364
Petrunch, Janet	Franklin County	jpetrunch@franklincotn.us	931-967-0981
Phelps, Angela	Marshall County EMA	aphelps@marshallcountyttn.com	931-438-1575
Phillips, Michael	Neel-Schaffer, Inc.	mike.phillips@neel-schaffer.com	615-948-4513
Popplewell, Cindy	Wood Environment & Infrastructure Solutions, Inc.	cindy.popplewell@woodplc.com	615-333-0630
Quinn, Barry	AECOM	barry.quinn@aecom.com	615-224-2136
Ricketts, John	AECOM	john.ricketts@aecom.com	423-598-0682
Roberts, Eddy	Knox County	eddy.roberts@knoxcounty.org	865-215-5234
Rockwell, Jordan	East Tennessee Development District	jrockwell@etdd.org	917-515-0625
Ryerson, Nicole	AECOM	nryerson17@gmail.com	678-860-4434
Salyers, Randolph	LAVERGNE, CITY OF	rsalyers@lavernetn.gov	615-213-2624
Shaver, Jeffrey	Civil & Environmental Consultants, Inc.	jshaver@cecinc.com	615-333-7797
Singh, Kulvir	AECOM	kulvir.singh@aecom.com	404-384-2114



## **STAY IN TOUCH ...**

Sjostrom, Dana	Shelby County Office of Sustainability	kathryn.sjostrom@memphistn.gov	361-816-9100
Skehan, Thomas	Southwest Tennessee Development District	tskehan@swtdd.org	731-668-6429
Slaven, Amanda	Bledsoe County Government	bledmayor1@bledsoe.net	423-447-6855
Smola, Daniel	Harpeth Civil, Inc.	dan@harpethcivil.com	615-730-3502
Sorhaindo, Clive	S&ME, Inc.	csorhaindo@smeinc.com	865-415-3450
Stevens, Bryan	City of Shelbyville	bryan.stevens@shelbyvilletn.org	931-684-9001
Taylor, Kari	TEMA	Karen.Taylor@tn.gov	615-741-6265
Taylor, Michael	AECOM	michael.taylor@aecom.com	404-946-9488
Taylor, Nate	MEMPHIS, CITY OF	NVTaylor@mlgw.org	901-000-0000
Taylor, Richard	Neel-Schaffer, Inc	richard.taylor@neel-schaffer.com	615-383-8420
Taylor, Scott	Wood	scott.taylor@woodplc.com	615-944-9014
Tays, Matt	Nashville Metro Water Services	matt.tays@nashville.gov	615-862-4761
Thomas, Bently	Bradley County	bthomas@bradleycountyttn.gov	423-413-4033
Thompson, Christian	Metro Water Services	christian.thompson@nashville.gov	615-880-1749
Tyson, Jaime	AECOM	jaime.tyson@aecom.com	404-965-7069
VanLandingham, Sara	Madisonville Codes Enforcement Office	sara@madisonvillefire.com	423-572-1174
Veazey, William	Tipton County	tcplanning@bellsouth.net	901-476-0255
Venard 2, Asongayi	City of Johnson City, Tn.	avenard@johnsoncitytn.org	423-434-6074
Walker, Wendy	SCOTT COUNTY	scottcounty.ema@scottcounty.com	423-663-2337
Wells, Britton	Neel-Schaffer, Inc	britton.wells@neel-schaffer.com	615-383-8420
White, Joe	City of Elizabethton	aadams@cityofelizabethton.org	423-542-1503
White, Jon	Bedford County	chris.white@bedfordcountyttn.org	931-685-1336
White, Suzanne	State of TN - STS GIS Services	suzanne.white@tn.gov	615-253-4799
Widner, Matthew	OAK RIDGE, CITY OF	mwidner@oakridgetn.gov	865-824-8693
wiley, CLARKE	Maverick DES	cw@mav-usa.com	270-991-4062
Williamson, Carrie	Tennessee Valley Authority	ccwilliamson@tva.gov	865-632-2234
Worden, Doug	TEMA	douglas.worden@tn.gov	615-741-1345
Young, David	US-TVA	dryoung@tva.gov	423-227-1663
Young, Josh	Giles County Emergency Management	jyoung@gilescoem.com	931-363-1342

### **... and a SPECIAL WELCOME to our 1<sup>st</sup> Time Attendees.** **We hope to see you back next year!**

- |                         |                     |                       |
|-------------------------|---------------------|-----------------------|
| • Alaweneh, Emad        | • Haynes, Terry     | • Phelps, Angela      |
| • Allen, Cynthia        | • Henry, . Alex     | • Phillips, Michael   |
| • Bell, Kristin         | • Hernandez, Suelen | • Ricketts, John      |
| • Birch, Kyle           | • Hinchey, Byron    | • Ryerson, Nicole     |
| • Blair, Chris Blair    | • Hinton, Calvin    | • Salyers, Randolph   |
| • Bonugli, Kareem       | • Hunter, Charles   | • Sjostrom, Dana      |
| • Boucher, arrett       | • Khoury, Lina      | • Stevens, Bryan      |
| • Bruner, Keith         | • Kiesel, Joe       | • Taylor, Kari        |
| • Chewning, Clark       | • Kimbro, Jeff      | • Taylor, Scott       |
| • Clemmons, Joshua      | • Leamon, Todd      | • Thompson, Christian |
| • Corbitt II, Alexander | • Marshall, Kelly   | • VanLandingham, Sara |
| • Dewald, Kaitlyn       | • Myers, Jennifer   | • Venard, Asongayi    |
| • Forgey, Paul          | • Newcomb-Thompson, | • White, Joe          |
| • Friday, Autumn        | John                | • Willey, Clarke      |
| • raham, Derek          | • Patterson, Lyle   | • Young, David        |





# THANK YOU TO OUR SPEAKERS

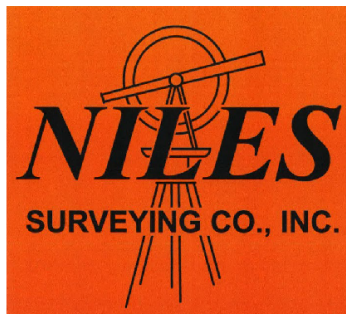
**We appreciate your experience, expertise, and time with us!**

Paul Abrams	Floodproofing.com	<a href="mailto:pabrams@smartvent.com">pabrams@smartvent.com</a>
Douglass Ball-Chandler	Ragan Smith Associates, Inc.	<a href="mailto:dchandler@ragansmith.com">dchandler@ragansmith.com</a>
Micah-John Beierle	TVA	<a href="mailto:mbeierle0@tva.gov">mbeierle0@tva.gov</a>
Chad Berginnis	ASFPM	<a href="mailto:cberginnis@floods.org">cberginnis@floods.org</a>
Mike Bertotti	Wood E&IS	<a href="mailto:Michael.Bertotti@woodplc.com">Michael.Bertotti@woodplc.com</a>
Robin Berzins	FEMA Region IV	<a href="mailto:Robin.Berzins@fema.dhs.gov">Robin.Berzins@fema.dhs.gov</a>
Garrett Boucher	Wood E&IS	<a href="mailto:Garrett.Boucher@woodplc.com">Garrett.Boucher@woodplc.com</a>
Janey Camp	Vanderbilt	<a href="mailto:janey.camp@Vanderbilt.Edu">janey.camp@Vanderbilt.Edu</a>
Craig Carrington	USACE	<a href="mailto:Craig.D.Carrington@usace.army.mil">Craig.D.Carrington@usace.army.mil</a>
Thomas Cartlett	S&ME	<a href="mailto:tcattlett@smeinc.com">tcattlett@smeinc.com</a>
Bart Crattie	Niles Survey	<a href="mailto:bart@nilessurvey.com">bart@nilessurvey.com</a>
Paul Dudley	TN STS GIS Services	<a href="mailto:Paul.Dudley@tn.gov">Paul.Dudley@tn.gov</a>
Christina Groves	ISO	<a href="mailto:Christina.Groves@verisk.com">Christina.Groves@verisk.com</a>
Tammy Hansen	FEMA	<a href="mailto:tamara.hansen@fema.dhs.gov">tamara.hansen@fema.dhs.gov</a>
Suelen Hernandez	TEMA	<a href="mailto:Suelen.Hernandez@tn.gov">Suelen.Hernandez@tn.gov</a>
Byron Hinchey	S&ME	<a href="mailto:bhinchey@smeinc.com">bhinchey@smeinc.com</a>
Yong Sun Jung	AECOM	<a href="mailto:YongSun.Jung@aecom.com">YongSun.Jung@aecom.com</a>
Randy Kerr	USACE	<a href="mailto:randall.z.kerr@usace.army.mil">randall.z.kerr@usace.army.mil</a>
Joe Kiesel	Bramco, Inc.	<a href="mailto:joe_kiesel@bramco.com">joe_kiesel@bramco.com</a>
Roger Lindsey	Metro Water Services	<a href="mailto:roger.lindsey@nashville.gov">roger.lindsey@nashville.gov</a>
Brain McCain	Southern Precision Land Surveying, Inc.	<a href="mailto:brian@southernprecision.net">brian@southernprecision.net</a>
Patrick McMahon	S&ME	<a href="mailto:pmcmahon@smeinc.com">pmcmahon@smeinc.com</a>
Amy Miller	TEMA	<a href="mailto:Amy.J.Miller@tn.gov">Amy.J.Miller@tn.gov</a>
Bill Nechamen	ASFPM	<a href="mailto:billnechamen@gmail.com">billnechamen@gmail.com</a>
Tom Palko	Metro Water Services	<a href="mailto:Tom.Palko@nashville.gov">Tom.Palko@nashville.gov</a>
Randy Ridge	City of Chattanooga	<a href="mailto:rridge@chattanooga.gov">rridge@chattanooga.gov</a>
Jeff Shaver	CECINC	<a href="mailto:jshaver@cecinc.com">jshaver@cecinc.com</a>
Patrick Sheehan	TEMA Director	<a href="mailto:patrick.sheehan@tn.gov">patrick.sheehan@tn.gov</a>
Michael Taylor	AECOM	<a href="mailto:Michael.Taylor@aecom.com">Michael.Taylor@aecom.com</a>
Scott Taylor	Wood E&IS	<a href="mailto:Scott.Taylor@woodplc.com">Scott.Taylor@woodplc.com</a>
Jaime Tyson	AECOM	<a href="mailto:jaimetyson@aecom.com">jaimetyson@aecom.com</a>
Suzanne White	TN STS GIS Services	<a href="mailto:Suzanne.White@tn.gov">Suzanne.White@tn.gov</a>
Carrie Williamson	TVA	<a href="mailto:ccwilliamson@tva.gov">ccwilliamson@tva.gov</a>
Doug Worden	TEMA	<a href="mailto:dworden@tnema.org">dworden@tnema.org</a>
Ben Zoeller	Barge Design	<a href="mailto:Ben.Zoeller@bargedesign.com">Ben.Zoeller@bargedesign.com</a>



## THANK YOU TO OUR SPONSORS:

**AECOM**



**wood.**



**SOKKIA**

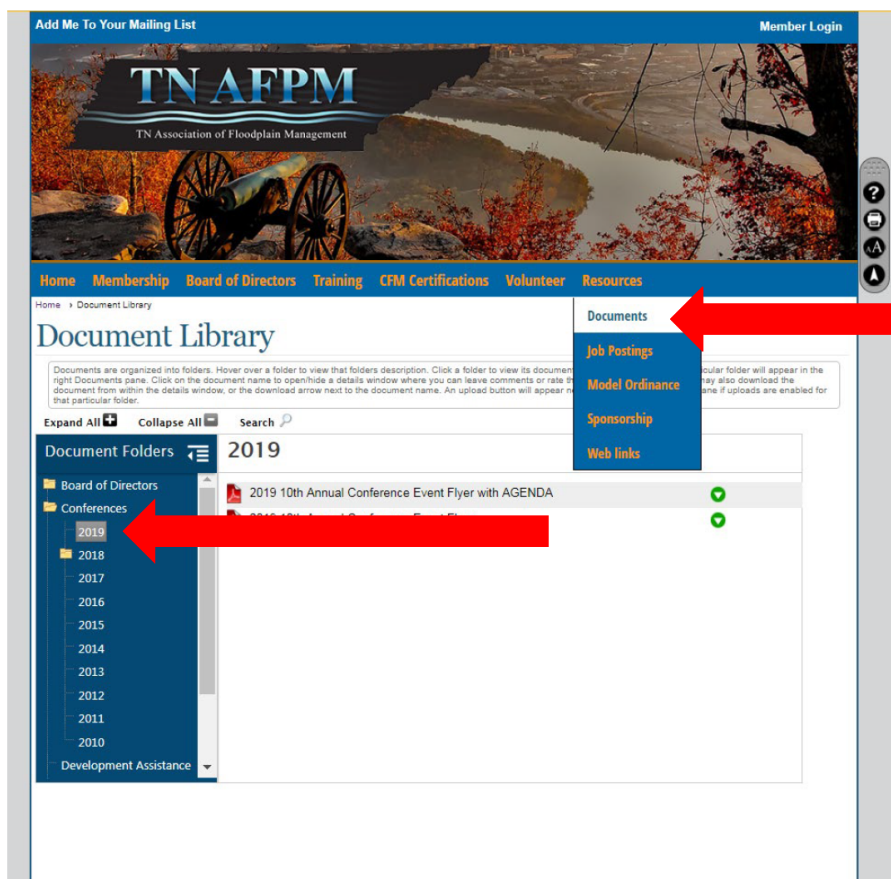


## **WEBSITE RESOURCES**

[www.tnafpm.com](http://www.tnafpm.com)

All Conference presentations are available on the TN AFPM website.

- Click on the “Resources” tab in the main banner
- Select “Documents”
- Use the File Manager structure to navigate to the 2019 Conference folder







## **PHOTO GALLERY – SMILE!**



Our largest event yet filled 3 ballrooms – soaking up the knowledge!



TEMA Director, Patrick Sheehan



Bill Nechamen speaking on the NFIP and Building Codes



Chad Berginnis updating our association on national floodplain management issues











Christopher Lawless, Wilson County, brought along a future floodplain manager!



# CONFERENCE FEEDBACK

**Total Number of Registrants – 151 (our final count and largest conference, yet!)**

**Total Number of Evaluations – 73**

**1. Overall, the conference met or exceeded my expectations:**

- Strongly Agree – 37
- Agree – 35
- Neutral - 1

**2. Event presenters (sessions and keynote) met or exceeded my expectations:**

- Strongly Agree – 32
- Agree – 40
- Neutral - 1

**3. Presentations were informative and relevant:**

- Strongly Agree - 40
- Agree - 32
- Disagree - 1

**4. The event better prepared me to do my job or perform my role:**

- Strongly Agree – 30
- Agree – 40
- Neutral – 2
- Disagree - 1

**From items 1 through 4, it appears the conference is meeting the education and training needs of most of our attendees and their roles in floodplain management**

**5. Are there any topics you would like to see covered in future events?**

- Climate changes
- Levee certification
- Watershed Master Planning
- Detention requirements
- Stream restoration and modeling
- Local mapping experience
- Buildings in a flood zone
- More basic/introductory information – Map Service Center, How to read a flood map
- TN Parcel Viewer
- State needs/requirements for No Rise Certification
- More CFM preparatory material
- Elevation Certificates
- NFIP and BFEs
- Mitigation and TN Grants website
- FEMA's Hazus software
- USDA/NRCS, Nature Conservancy, and Cumberland River Compact
- Natural systems and floodplain management
- Roundtable with state/local/consultants discussing challenges
- And special thanks to Doug Worden, Amy Miller, Bill Nechamen, and Paul Abrams



**6. How did you hear about the conference?  
(multiple responses)**

- Email from TN AFPM Website - 28
- Email(s) from Amy Miller – 37
- Suggestion from Amy Miller - 5
- TN AFPM Website - 9
- Professional Contact – 20

**Email was again the biggest outreach effort, we'll work on publicizing the event through additional avenues in the future. Thanks too for conference recommendations to your professional contacts.**

**7. Why did you choose to attend this event? (multiple responses)**

- Topics - 41
- Presenters/Speakers - 36
- CEU credit - 35
- Location – 30
- CFM Exam – 5

**Topics and speakers were a success this year. We'll work hard to continue to bring relevant and requested topics to you in 2020. And great to hear folks enjoyed our location again this year.**

**8. Any suggestions for the location of future conferences?**

- State Park - 2
  - Fall Creek Falls
  - Montgomery Bell (and also one, please no!)
  - Henry Horton
  - Natchez Trace
  - Paris Landing
  - Obed River/South Fork; Rock Island; Cumberland Mountain
- Chattanooga
- Nashville
- Knoxville
- Gatlinburg
- KY State Park
- Move to a different region each year

**9. Any additional comments or concerns?**

- Thanks for the fruit!
- Request for hot tea
- So sorry for the cold conference rooms – hopefully we corrected that on Thursday afternoon
- More real life experiences
- More time for questions after presentations
- More basic information
- Need better tech support





## **TN AFPM BOARD OF DIRECTORS**

Office	Name	Contact Info
Chair	Roger Lindsey, PE, CFM	roger.lindsey@nashville.gov
Vice-Chair	Cindy Popplewell, PE, CFM	Cindy.Popplewell@woodplc.com
Treasurer	William Veazey, CFM	tcplanning@bellsouth.net
Secretary	Jeff Shaver, CFM	jshaver@cecinc.com
East TN Representative	David McGinley, CFM	dmcginley@knoxvilletn.gov
Middle TN Representative	Tom Brashear, CFM	Brasheart@wilsoncountyttn.gov
West TN Representative	John Modzelewski, PE, CFM	john.modzelewski@shelbycountyttn.gov
Ex-Officio	Amy Miller, CFM	amy.j.miller@tn.gov
Ex-Officio	Tammy Hansen, CFM	tamara.hansen@fema.dhs.gov

## **TN AFPM COMMITTEES**

**TN AFPM encourages member participation in all of our committees. If you interested in becoming more involved, please contact the current committee lead:**

<b>Conference</b>	Cindy Popplewell, cindy.popplewell@woodplc.com
<b>Membership</b>	William Veazey, tcplanning@bellsouth.net
<b>Newsletter</b>	Jaime Tyson, jaime.tyson@aecom.com
<b>Training</b>	Regional Representatives (see table above)
<b>Website</b>	Vacant, would you like to volunteer?
<b>Social Media</b>	Barrett Fisher, <a href="mailto:barrettf@hamilton.gov">barrettf@hamilton.gov</a>



## **CERTIFIED FLOODPLAIN MANAGER**

The Association of State Floodplain Managers (ASFPM) has established a national program for certifying floodplain managers. This program recognizes continuing education and professional development that enhances the knowledge and performance of local, state, federal, and private-sector floodplain management professionals.



The role of the nation's floodplain managers is expanding due to increases in disaster losses, the emphasis on mitigation to alleviate the cycle of damage-rebuild-damage, and a recognized need for professionals to adequately address these issues. This certification program will lay the foundation for ensuring that highly qualified individuals are available to meet the challenge of breaking the damage cycle and stopping its negative drain on the nation's human, financial, and natural resources.

## **UPCOMING EXAM DATE AND LOCATION**

**November 1, 2019 – 1:00pm (Central), Nashville, TN**

Wood Environment & Infrastructure Solutions, Inc.

3800 Ezell Road, Suite 100

Training Room

Nashville, TN 37211

## **REGISTRATION INFORMATION**

Application packet, processing, & exam \$480

OR with current ASFPM Membership \$100

(this is membership with the national association, not our State Chapter TN AFPM)

**You must register for the CFM Exam through the ASFPM website: [www.floods.org](http://www.floods.org)**

## **STUDY MATERIALS**

Study materials, including FEMA 480 NFIP Desk Reference and Study Guide are available from the ASFPM website:

<https://www.floods.org/index.asp?menuID=215&firstlevelmenuID=180&siteID=1>

