2014 KAMM Conference - Abstracts of Presentations

Tuesday, September 9

Keynote Presentation: ASFPM and National Flood Policy Update

Presenter: Chad Berginnis, Executive Director, ASFPM

Abstract of Presentation: Learn about what’s new with ASFPM and on the national policy front.

Plenary Presentation Title: Agency Meet and Greet

Presenters: Peter Goodmann, Director, Kentucky Division of Water; Michael Dossett, Director, Kentucky Emergency Management; Laura Algeo, FEMA Region IV; Drew Andrews, Geologist and Section Head, Kentucky Geologic Survey; Brandon Brummett, Outreach Coordinator, US Army Corps of Engineers – Louisville District; Mike Griffin, Director, U.S. Geological Survey – Indiana-Kentucky Water Science Centers; Joe Sullivan, Warning Coordination Meteorologist, National Weather Service

Abstract of Presentation: Refer to announcement in 2014 KAMM Conference packet.

Concurrent Session Title: Grundy Home Bridge Project

Presenter: Kevin Devine, Washington County EM Director and Floodplain Manager

Abstract of Presentation: In this presentation we will review a successful mitigation grant submitted by the Washington County Fiscal Court. The project included the replacement of a low water slab with a bridge. We will also discuss issues that arose and how they were solved.

Concurrent Session Title: Threat Modeling and Analysis for Flood Hazard and Management

Presenter: Fred May, Associate Professor, Eastern Kentucky University, Department of Safety and Security

Abstract of Presentation: One of the most common concepts in emergency management is that disasters are cascading sequences of events. In emergency management courses taught at Eastern Kentucky University, Homeland Security Program, students are taught to model hazards and their associated threats as cascading threat models with associated types of analyses. The overall concept is called “Disaster Systematics”, wherein particular techniques are applied. These techniques were used for many years by the Utah Interagency Technical Team (IAT) and applied during local government hazard and risk analyses. The process depicts the reality of a particular type of disaster as cascading threat sequences. Once a disaster model is contained within a computer, the ability to analyze threat sequences for mitigation and other strategies is straightforward. This presentation provides an overview of the process relating to flood hazard, but can be extrapolated to all manner of disasters.

Concurrent Session Title: Tips and Tricks for Community Rating System (CRS)

Presenter: Christina Groves, ISO/CRS Specialist, ISO Community Hazard Mitigation

Abstract of Presentation: This session will give community officials and other interested parties tips, tricks and effective practices for managing their Community Rating System (CRS) program. Discussion will include field observations, information on resources now available and other information available
to assist new and participating communities. This is an interactive session that encourages questions and attendee participation.

**Concurrent Session Title:** Applying geologic maps to HAZUS loss estimation for Jefferson County: who’s next?

**Presenter:** William M. ("Drew") Andrews Jr., Geologist and Section Head, Kentucky Geological Survey, University of Kentucky

**Abstract of Presentation:** The Kentucky Geological Survey (KGS) has recently completed a project for Jefferson County, funded through FEMA, to develop county-wide geologic hazard input maps for the HAZUS loss estimation software. This included layers relating to NEHRP soil classification, liquefaction potential, and potential for earthquake-induced landslides. These detailed inputs allow for improved and more geographically specific earthquake loss estimations from the HAZUS program, beyond the standard defaults used by the program. The KGS is seeking other municipal partners interested in pursuing similar maps for their own jurisdictions.

**Workshop Title (2 hours): Understanding FEMA’s Letter of Map Change (LOMC) Process**

**Presenter:** Laura Algeo, Regional Project Officer, FEMA Region IV

**Abstract of Presentation:** This training session will discuss an overview of the different types of Letter Actions that the Federal Emergency Management Agency (FEMA) uses to modify its Flood Insurance Rate Maps (FIRMS). The session will give an overview of all types of Letters of Map Correction, but will focus on the Letter of Map Amendment and Letter of Map Revision-based on Fill processes. We will discuss the types of data needed, the format of data, and the timeline of reviews and responses. This session will also focus on what new digital tools that FEMA has available to assist in better understanding FIRM data and revising it if necessary. The tools focused on will be the National Flood Hazard Layer, FEMA’s geoplatform and the new eLOMA process. Attendees will gain knowledge in understanding what map change options are available and where they can go to get the most up to date information on their flood risk.

**Workshop Title (90 minutes): CRS Introduction**

**Presenter:** Christina Groves, ISO/CRS Specialist, ISO Community Hazard Mitigation

**Abstract of Presentation:** The Community Rating System (CRS) is a Federal Emergency Management Agency (FEMA) program, administered by the Insurance Services Office (ISO, Inc.) that recognizes communities for their floodplain management activities that go above and beyond the minimum NFIP standards. The CRS assigns credit points for each floodplain management activity a community performs and then correlates those points to classes and flood insurance premium discounts for homeowners in that community. This session will discuss what the CRS Program is, how it works, how to apply to the CRS and what activities a community can earn credit for doing. This session will also look at state laws and common practices that communities can take advantage of under the Program. For those not currently in the CRS, you will be scoring your community and realizing what CRS Class you can become. For those currently in the Program, you will learn what changes have been made recently to the Program and how that affects your current classification.
**Concurrent Session Title (30 minutes): Risk MAP and CRS Synergies**

**Presenter:** Carey Johnson, CTP Program Manager, Kentucky Division of Water (KDOW)

**Abstract of Presentation:** The major tenets of Risk MAP are to better identify, understand and communicate flood risks and to promote community resilience throughout communities in Kentucky. Through Risk MAP, many communities are acquiring products and information that meets many of the enhanced floodplain management goals outlined through FEMA’s CRS. This presentation will provide insight into the products and activities created through Risk MAP that may provide significant benefits to community CRS programs.

**Workshop Title (2 hours): NFIP 101**

**Presenters:** Todd Bass, Natural Hazards Program Specialist (NFIP), Mitigation Division, Floodplain Management & Insurance Branch - FEMA Region IV; Abigail Rains, MS4 Program Coordinator, Kentucky Division of Water

**Abstract of Presentation:** Flooding is Kentucky’s most costly natural disaster. The National Flood Insurance Program (NFIP) helps communities limit the damage from flooding through proper floodplain management. This workshop will focus on administering the NFIP within a community and preparing for future flooding events.

**Concurrent Session Title: Confronting Flooding from Multiple Angles, Hopkinsville’s Approach to Flood Hazard Mitigation**

**Presenter:** Dave Herndon, Planning Services Coordinator, Community and Development Services

**Abstract of Presentation:** The City of Hopkinsville, under the direction of the Hopkinsville Surface and Stormwater Utility Board, has been able to leverage Federal, State, and Local funds to confront the City’s ongoing flooding issues. The City’s Stormwater Utility has received almost $8 million in grant money over the past several years, as well as spent almost $4 million in Stormwater Utility funds to complete other projects. This presentation will attempt to explain the establishment of the Stormwater Utility, the process for obtaining and using funds, and the different approaches that the Stormwater Utility has used in its flood mitigation program to progress toward achieving their goals.

**Concurrent Session Title: Mitigation 101**

**Presenters:** Esther White, Project Grants Manager, UK Hazard Mitigation Grants Program

**Abstract of Presentation:** This presentation provides an overview of FEMA’s post-disaster grant program and the application process, including eligibility, benefit cost analysis, and Environmental and Historic Preservation (EHP) requirements.

**Concurrent Session Title: Kentucky Silver Jackets**

**Presenters:** Carey Johnson, CTP Program Manager, KDO; Brandon Brummett, Outreach Coordinator, US Army Corps of Engineers – Louisville; Mike Griffin, Director, Indiana-Kentucky Water Science Centers, USGS

**Abstract of Presentation:** The Silver Jackets program was established by the US Army Corps of Engineers National Flood Risk Management Program to support the critical need for ongoing interagency collaboration for flood risk management. The program provides an opportunity to consistently bring together multiple federal, state, and local agencies to learn from one another and
apply their knowledge to reduce flood risk. This presentation will provide an overview of current KY Silver Jackets team efforts, including ongoing community-specific projects and participating agencies.

**Concurrent Session Title: Exploring the Redesigned FEMA Flood Map Service Center**

**Presenter:** Annemarie Cason, Risk Communication Specialist, KDOE

**Abstract of Presentation:** During this presentation, we will explore FEMA’s newly redesigned Map Service Center ([http://msc.fema.gov](http://msc.fema.gov)) which went live on July 28, 2014. We will discuss where to find the information most commonly used by local floodplain administrators and the general public; where to view and download FIRMs (and preliminary FIRM data), and the FIRMette tool. We will also highlight new features such as searching for Letters of Map Change (LOMC) near a location of interest, how to sign up for email alerts when new map products go effective, and how to view the National Flood Hazard Layer (NFHL) using FEMA’s ArcGIS online web viewer.

**Wednesday, September 10**

**Plenary Presentation Title:** Weather-Ready Nation

**Presenter:** Joe Sullivan, Warning Coordination Meteorologist, National Weather Service (NWS)

**Abstract of Presentation:** NOAA's Weather-Ready Nation Ambassador program formalizes and expands upon the partnerships the NWS offices serving Kentucky already have with many KAMM members. Find out how you can tap into this expanded program to assist in your efforts to mitigate the effects of extreme weather in Kentucky.

**Plenary Presentation Title:** Mitigation Opportunities for Public Assistance Applicants

**Presenter:** Stephanie Robey, Assistant Director, KYEM

**Abstract of Presentation:** For entities found eligible for Public Assistance (PA) projects associated with a Presidential disaster declaration, there are numerous mitigation opportunities for damaged elements. This overview will provide guidance on how to maximize mitigation funding available from the FEMA PA Program.

**Plenary Presentation Title:** HFIAA, BW12 Round Table

**Presenters:** ASFPM, Chad Berginnis; FEMA; Stephen Noe, KAMM Chair; Carey Johnson, KAMM Vice-Chair

**Abstract of Presentation:** The round table discussion will provide an overview of the ramifications of the Biggert Waters Flood Insurance Reform Act of 2012 (BW12) and the Homeowners Flood Insurance Affordability Act of 2014 (HFIAA) for Kentucky including how its provisions will impact communities throughout the Commonwealth.
Concurrent Session Title: Success Stories - Landslides

Presenters: Amber Owens, Whitley County Director of County Projects; Jimmy Bates, Whitley County Director of Infrastructure

Abstract of Presentation: Whitley County applied for a Hazard Mitigation Grant to repair several landslides along one stretch of road in southern Whitley County. The road had been sliding off for several years. The slides prevented property owners, school buses and emergency responders from accessing the area quickly. Each time there was a rain event in the area, the County Road Department would perform a temporary fix to the road until the next slide. Several prevention techniques had been used over the years, but none seemed to fix the problem permanently. The application for a permanent repair had been in the process for at least a year, before Amber Owens and Jimmy Bates took over the project. Through teamwork and working hand in hand with other county officials the project was successfully completed. It has been a little more than a year since the steel beams were first installed, and there have been no more slides in the area since that time.

Concurrent Session Title: Landslides in Kentucky

Presenter: Matt Crawford, Engineering Geologist, Kentucky Geological Survey (KGS)

Abstract of Presentation: Landslides are common in Kentucky, causing damage to roadways, infrastructure, and residences, with mitigation costs exceeding $10 million per year. As in other places in the world, a combination of steep slopes, excessive water amounts, weak rock and soil, and slope modification mainly cause landslides. A variety of research projects at the KGS are being conducted to better understand landslide distribution, material composition, landslide structure, and behavior. A landslide inventory database, landslide mapping using LiDAR, landslide monitoring, and geophysical tools are all research methods than can contribute to assessing landslide hazards. These efforts have helped land-use planners, transportation personnel, emergency managers, meteorologists, geotechnical engineers, and the general public with landslide hazards and slope stability issues.

Concurrent Session Title: Green Infrastructure: Turning Stormwater into a Resource

Presenter: Brooke Shireman, Environmental Scientist, Kentucky Division of Water (KDOw)

Abstract of Presentation: Managing stormwater runoff is an issue communities are dealing with across the Commonwealth. Stormwater runoff is impacting the quality of water in our local waterways and causing major problems with flooding and property damage. Green Infrastructure practices can help alleviate some of these problems by using vegetation, soils, and natural processes to manage stormwater while providing environmental and community benefits. This presentation will provide an introduction to Green Infrastructure and show examples of how Kentucky communities are using these practices to turn stormwater from a problem into a resource.

Concurrent Session Title: Community Official’s Guide to Implementing Green Infrastructure

Presenter: Kari Mackenbach, National Green Infrastructure Practice Leader, URS Corporation

Abstract of Presentation: Green Infrastructure is an approach to water management that protects, restores, or mimics the natural water cycle. This presentation will discuss Green Infrastructure and how it can be used by communities to reduce flooding. We will discuss Green Infrastructure that may be
used to replace Gray Infrastructure (such as rain gardens, tree planting, etc.) as well as non-construction methods for implementing Green Infrastructure.

**Concurrent Session Title: Dam Safety Modernization**

**Presenter:** Brian Shane Cook, PE, LSIT, Dam Safety and Floodplain Compliance Engineering Supervisor, Kentucky Division of Water (KDOW)

**Abstract of Presentation:** This presentation will provide an overview of the KDOW’s vision to develop new data collection tools, processes, engineering standards and regulations to modernize the Dam Safety program. These efforts will be assessed to potentially serve as a model to modernize programs division-wide through improved service, enhanced productivity, and better accuracy. The enhanced risk identification and assessments will be used to effectively communicate to the public a report card of the portfolio of all dams statewide and to explore the economic benefits associated with dams. The presentation will also provide updates for ongoing State Owned Dam Repair (SODR) projects and briefly discuss the findings of several initiatives related to Dam Safety in Kentucky.

**Concurrent Session Title: Kentucky Division of Water Floodplain Permit Review Overview and Considerations**

**Presenter:** Solitha W. Dharman, Environmental Engineer II, Kentucky Division of Water (KDOW)

**Abstract of Presentation:** Floodplain Management Section of Division of Water review and issue floodplain construction approvals/permits for activities in the Special Flood Hazard Areas (SFHA) in Kentucky. In addition, Floodplain Management Section is responsible for coordination and over sighting the local flood damage and prevention ordinance for cities and county governments. During the presentation, a brief overview of statuary requirements and applicability of various exemptions to the above activities will be discussed together with Division of Water’ regulations. Some of the important information required on the floodplain construction application such as public notice requirement, hydraulic analysis information and applicability of exemption situations will be presented. Also, common issues such as construction in the floodway in A and AE zones and elevation requirements for residential and nonresidential constructions with reference to new and substantial improvements will be discussed. Finally, potential regulation revision to include general permitting for certain activities will be pointed out during the discussion.

**Workshop Title (3 hours): EHP Workshop: Environmental Planning & Historic Preservation Compliance for Hazard Mitigation Assistance (HMA) Projects**

**Presenters:** Hadley H. Gilliland, HMA Historic Preservation Specialist, FEMA RIV; Dr. Kary Stackelbeck, Site Protection Program Administrator, Kentucky Heritage Council; Jill A. Howe, Environmental Review Coordinator, Kentucky Heritage Council

**Abstract of Presentation:** The Environmental Planning and Historic Preservation (EHP) Workshop will be divided into two sessions. The first session will be led by FEMA Region IV HMA EHP, and will cover the laws and executive orders that are considered during the FEMA EHP review. Participants will learn what information to include in grant applications in order to expedite EHP review timelines, and how to obtain the best available data. The session will also focus on current historic preservation streamlining efforts taking place within Kentucky.
The second session will be led by the Kentucky Heritage Council (KHC), also known as the State Historic Preservation Office (SHPO). Staff will briefly discuss the Kentucky-specific review process for typical projects and provide tips to assist with the smooth and successful completion of Section 106 consultation. Both sessions will focus on best practices within Kentucky and Region IV, and will provide an opportunity for open discussion and questions.

**Workshop Title (3 hours): Working with LiDAR – From Dots to Surface**

**Presenters:** Paul Bishop, Aerial LiDAR Processing Manager, Quantum Spatial; Joel Burroughs, Senior LiDAR Analyst, Quantum Spatial

**Abstract of Presentation:** This workshop will demonstrate the process of a LiDAR project. Through the use of current Kentucky Statewide LiDAR data from the Lake Barkley Resort area, we will discuss initial data processing, moving into bare earth classification and cleanup, along with breakline collection, ultimately finishing with final deliverable creation. Participants will have the opportunity to learn how the data is manipulated during in-house processing as well as through live data demonstrations.

**Concurrent Session Title: Stormwater Master Planning**

**Presenters:** Jason Hart, Director of Planning & Zoning, City of Richmond, KY; David Uckotter, PE, Senior Project Manager, CDP Engineers, Inc.

**Abstract of Presentation:** The City of Richmond initiated a Stormwater Management Evaluation Study in 2011. The purpose of this study was to prepare a comprehensive plan to address all stormwater issues and activities that the city faces. The first update of that report happened in 2013 and includes key information updates because of flooding rains during the summer of 2012, updated US Census information and use of actual impervious surface information from the City of Richmond GIS program. The City of Richmond is situated at the headwaters of four drainage watersheds, namely, Otter Creek, Tates Creek, Taylor Fork and Silver Creek. The study found that many existing stormwater problems are caused by an inadequate stormwater system, development in floodplains, as well as a lack of curb and gutter to direct stormwater runoff into the yard inlets in many neighborhoods. The lack of a comprehensive management approach has hindered the identification and prioritization of the problems. By combining the stormwater master plan with the use of the Geosync Go data management program the City has simplified its tracking and filing process. This has enabled the City to support projects with a timeline of storm events and damage associated with disasters.

**Concurrent Session Title: Introducing Non-Regulatory Products to a Rural Kentucky Watershed**

**Presenters:** Michael Taylor, PE, CFM, Project Manager, AECOM; Mary Gilliland, CFM, GIS Manager, AECOM

**Abstract of Presentation:** The KDOW is completing a Risk MAP project in the Lower Levisa Watershed. Non-regulatory Risk MAP products were recently introduced at a series of resilience meetings. This presentation highlights the non-regulatory products, potential uses in the Lower Levisa Watershed, and lessons learned from the product roll-out.
**Concurrent Session Title:** Kentucky Dam Safety’s Hazard Mitigation Plan: Identifying and Mitigating Dam-Related Risks  

**Presenter:** Michelle Meehan, Water Resources Engineer, Stantec  

**Abstract of Presentation:** The KDOW Dam Safety Program developed a Dam Safety Hazard Mitigation Plan for an inventory of approximately 200 state and locally owned dams. As a part of this plan, KDOW reviewed, tested and in some cases developed best practices to help quantify, communicate and mitigate current risks associated with dams, with the eventual goal of helping avoid future risks posed by dams. This presentation will give a brief overview of the products created as part of the Hazard Mitigation Plan, which include automated methods and processes for field evaluation, inundation mapping, screening level risk assessments, simplified Emergency Action Plans (EAPs), mitigation plans, and Catastrophic Long-Term Recovery Plans.

**Concurrent Session Title:** Mitigation Action Resources  

**Presenter:** Mike Greene, Manager, Stantec  

**Abstract of Presentation:** Risk MAP is FEMA’s nationwide program that works in collaboration with States, Tribes and Local communities to inform and empower local officials and citizens to reduce natural hazard risks. The vision of Risk MAP is to reduce the risk to life and property by delivering quality data and promoting actions that reduce risk. Recognizing that long term risk reduction is an objective of elected officials, floodplain administrators, emergency managers and many others, FEMA has developed resources to help stakeholders research, document and manage their risk. One of these resources is the Mitigation Action Tracker (MAT), which is a tool used to capture local mitigation priorities and enable Local, State, Tribal and Federal decision makers to implement risk reduction strategies. The MAT displays local mitigation action information in tabular and map-based platforms, and generates customizable reports. The tool serves as a catalog of multi-hazard mitigation strategies that can be accessed by communities across the country for idea sharing and the promotion of best practices. This presentation will introduce the MAT and the abundance of mitigation resource materials available to help understand and facilitate local mitigation actions.

**Thursday, September 11**

**Concurrent Session Title:** Floodplain Management Education  

**Presenter:** Warren Campbell, Hall Professor of Civil Engineering, Western Kentucky University (WKU)  

**Abstract of Presentation:** In 1982, the first U.S. 4-yr degree program in Emergency Management and Planning (EM&P) was created. Today there are more than 200 in the U.S. ranging from associates degrees to PhDs. In 2014, the 1st 4-yr degree in FPM was created at WKU and the MS degree in FPM will soon be available at the University of Washington. Our hope is that FPM will follow the pattern of EM&P. The need is clear; a recent study estimates that world flood losses will reach $1T annually by 2050. Forty percent of the U.S. population live in coastal counties subject to hurricanes and tsunamis. The NFIP is $24B in debt, with no relief in sight. We need trained professionals to address these pressing national issues. This presentation will describe the need for FPM education and the WKU degree, and Study Away opportunities for floodplain managers.
**Concurrent Session Title: Are FEMAs RiskMAP Glasses Fogged Up – Part II?**

**Presenter:** Stephen Noe, National Program Manager, AMEC Environment and Infrastructure

**Abstract of Presentation:** Once upon a time there was a 5-Year mini-series called Map Modernization followed by a 5-Year sequel called Risk MAP. Investors, critics and directors are struggling with the direction of the next sequel. Is the next title Beyond RiskMAP, Community Engagement, Resilience or Mitigation of Multi-Hazards? Is the motto “We don’t need no stinking maps.”, “Can our mitigation actions just get along?”, “Show me the actions”, “Show me the money”, “The rise and fall of insurance rates”, “Procrastination, procrastination, procrastination”, or “Why does the floodway cost 10 times more on one part of the country than the other?”. This presentation is a lively discussion of “Are we there yet” or “did our glasses fog up and we ran amuck”?

**Concurrent Session Title: MS4’s – What’s in it for me?**

**Presenter:** Abigail Rains, MS4 Program Coordinator, Kentucky Division of Water (KDOM)

**Abstract of Presentation:** This presentation will give a brief history and overview of the Municipal Separate Stormwater Sewer Systems (MS4) program. Additionally, the presentation will explain how the MS4’s can use their stormwater management program to meet the requirements of the Community Rating System (CRS) program.

**Concurrent Session Title: Local Hazard Mitigation Planning**

**Presenter:** Amy Frogue, Associate Director, Pennyrile ADD; Bob Jost, GIS/GPS Manager, Purchase ADD

**Abstract of Presentation:** Presenters will discuss the local planning process undertaken by two of Kentucky’s 15 Area Development Districts (ADDs) and their role in Kentucky’s mitigation planning process. Topics range from expectations (regulatory); Plan components, FEMA requirements, and the importance of local involvement in the development of mitigation, reviews, submissions, certifications, crosswalks and plan maintenance, to the reality (dirty work); research, data gathering, mapping, meetings, project anticipation and utilization.

**Concurrent Session Title: Risk MAP Action Strategy**

**Presenters:** Carey Johnson, CTP Program Manager, Kentucky Division of Water; Jimmy Stahl, URS Corporation

**Abstract of Presentation:** FEMA Headquarters has developed a series of program measures to manage and monitor the overall progress and effectiveness of Risk MAP. To support the statewide need to deliver mitigation actions; the KDOM has developed an action strategy that aligns the goals of the Commonwealth with the goals of Risk MAP and delivers tangible mitigation results at the local level, while supporting FEMA’s metrics. This presentation will focus on the elements of KY's Action Strategy and will be helpful to community officials and stakeholders across the state that are pursuing local mitigation actions.
Concurrent Session Title: The Goldilocks Approach: Developing Storm Water Master Plans that are “Just Right” for Your Community

Presenter: Trevor Timberlake, Project Manager & Water Resources Engineer, PE, CFM, URS Corporation

Abstract of Presentation: Daviess County, Kentucky experiences significant flooding along several of its streams, with approximately one-third of the county lying within the floodplain of the 100-year (1% annual chance) event. County officials wanted to find answers to their community’s flooding problems, but were not convinced that the investment in a detailed storm water master plan was the next best move. In order to assess the potential investment necessary to mitigate flooding issues on a countywide basis, an approach was developed involving a “Phase I” Storm Water Master Plan that would utilize methodologies tailored to the County’s needs—a cost-efficient study that recognized the unique floodplain dynamics within the County, leveraged new topographic data, and that yielded reasonable estimates of countywide flood mitigation costs. This presentation will discuss the unique tools and methods that were employed to perform this Phase I study and will advocate storm water planning and analysis that is customized to the needs of a given community.

Concurrent Session Title: FEMA 361 Safe Room Guidance

Presenter: Amanda LeMaster, HMGP Grants Manager, Kentucky Emergency Management (KYEM)

Abstract of Presentation: This presentation provides an overview of safe rooms constructed with FEMA mitigation grant funds in the Commonwealth. The presentation focuses on the tornado safe rooms requirements in the FEMA 361 guidance (Design and Construction Guidance for Community Safe Rooms). Other topics include feasibility, eligibility and application development for grant funding.

Concurrent Session Title: Non-disaster Grant Programs

Presenter: Esther White, Project Grants Manager, UK Hazard Mitigation Grants Program

Abstract of Presentation: This presentation provides an overview of FEMA’s Pre-Disaster and Flood Mitigation Assistance grant programs and the application process utilizing FEMA’s eGrants online system.

Plenary Presentation Title: 2013 State Plan Update: An Administrative Focus

Presenters: Geni Jo Brawner, State Hazard Mitigation Officer (SHMO), Kentucky Emergency Management (KYEM)

Abstract of Presentation: The presentation will discuss the status of the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan (CK-EHMP 2013) approved in 2013 and declared “enhanced” in 2014. The presentation will elaborate on how an “enhanced” plan differs from a “standard” plan and will discuss the administrative implications of a continued enhanced status. The presentation also will discuss how the CK-EHMP 2013 differs from past years. The administrative focus and its usefulness to local mitigation managers and local planning is the link between the CK-EHMP 2013 and the CHAMPS presentation that follows.
Plenary Presentation Title: The CHAMPS Framework in Local Mitigation Plan Development

Presenter: Andrea Pompei Lacy, U of L CHR

Abstract of Presentation: This presentation speaks to the development of local mitigation plans and will focus on plan development within Kentucky’s CHAMPS framework. CHAMPS is a powerful tool designed to collect, concentrate, streamline, and more efficiently and uniformly analyze infrastructure, damages, and funding opportunity data. The implementation of CHAMPS has sizeable benefits to two of the three most important elements in plan development, the risk assessment and the mitigation strategy. Having recently completed a single jurisdiction local mitigation plan using CHAMPS (for Kentucky State University), this presentation will be able to show concretely how CHAMPS benefits local plan development.

2014 KAMM Conference - Speaker Biographies

Laura Algeo

Laura Algeo is a Civil Engineer for the Mitigation Division at the Federal Emergency Management Agency (FEMA). She has been with the Region 4 office in Atlanta, Georgia since August 1999. Her main duties include serving as the Coordinator for the Cooperating Technical Partners (CTP) Program and conducting training and workshops on technical and mapping issues for States and Local communities throughout Region 4.

Laura’s professional background, prior to her present employment with FEMA, consisted of two years as an Environmental Engineer employed by the State of Georgia Department of Natural Resources. During this time, she was a technical liaison for the National Flood Insurance Program (NFIP) and a permitting official for the Water Resources Unit.

Laura has a Bachelor of Civil Engineering from the Georgia Institute of Technology with an environmental focus and a Bachelor of Science from Berry College in Rome Georgia. She is registered as a Professional Engineer in the State of Georgia.

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William M. “Drew” Andrews, Jr., PhD, PG

Drew Andrews has been Head of the Geologic Mapping Section at the Kentucky Geological Survey (KGS) since 2008, and manager of KGS field mapping projects since 2003, and worked in KGS coal-resource assessment from 1996 to 2003. He is a three-time graduate of the University of Kentucky, and has background in structural geology, Kentucky bedrock geology, and landscape evolution. When not digging dirt and breaking rocks, he enjoys history, genealogy, science fiction novels, and any opportunity to be outdoors or spend time with his family.

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Todd Bass

Todd serves Kentucky as NFIP Natural Hazards Program Specialist with FEMA Region IV’s Mitigation Division, Floodplain Management & Insurance Branch. Todd’s deployment history spans 10 years and more than 30 Presidentially Declared Disasters for Mitigation and Individual Assistance.

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Jimmy Bates

Jimmy Bates is the Director of Infrastructure for the Whitley County Fiscal Court. He works hand in hand with the County Road Foreman and manages all large road and bridge projects concerning county roads. He was appointed by Governor Fletcher and Governor Beshear to serve on the State Ground Water Board. Before coming on board with the Fiscal Court, Jimmy ran his own excavation and drilling business for 27 years in Whitley County.

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Chad Berginnis

In 2011, Mr. Berginnis joined the staff of the Association of State Floodplain Managers (ASFPM). Since 1993, his work has focused on floodplain management, hazard mitigation, and land use planning at the state, local and private sector levels. As a state official, Chad worked in the Ohio Floodplain Management Program and was Ohio’s State Hazard Mitigation Officer. As a local official, he administered planning, economic development and floodplain management programs in Perry County, Ohio. In the private Sector, he was the national Practice Leader in hazard mitigation for Michael Baker Jr. Inc. Chad has served in an ASFPM volunteer leadership capacity for over a decade as ASFPM as Insurance Committee Chair, Mitigation Policy Committees’ Coordinator, Vice Chair, and Chair. He has a Bachelor of Science in Natural Resources from Ohio State University.

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Paul Bishop

Paul Bishop has 21 years of experience in the geospatial industry. Paul holds a Bachelors Degree in Geography-Cartography from the University of Kentucky. He has attended numerous training programs to stay current in the ever changing geospatial technology field. Paul is currently managing the firm’s aerial LiDAR processing projects. He provides technical expertise in LiDAR data processing and production, troubleshooting, and solving complex LiDAR issues. He is responsible for internal coordination of the technical aspects of LiDAR projects, including compliance with quality and specifications. Paul has a thorough understanding of LiDAR principles and an understanding of geospatial and remote sensing disciplines.

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Brandon Brummett

Brandon Brummett is currently the Outreach Coordinator for the Louisville District, US Army Corps of Engineers. He works to educate state and local governments and Congressional staff about the Corps of Engineers programs and processes and works with them to see how the Corps of Engineers can assist in solving their water resource related issues. A registered Civil Engineer in the Commonwealth of Kentucky since 2002 and certified Project Management Professional since 2007, he has 17 years of total professional experience and has been with the Corps since 1995. He is a 1998 Graduate of the University of Louisville with a Bachelor’s of Science and Master’s of Engineering in Civil Engineering.

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Joel Burroughs

Joel Burroughs has over 8 years of experience in the geospatial industry. Joel is a graduate of Athens State University, with a Bachelors Degree in Business Management. Joel joined Photo Science, now Quantum Spatial, in March of 2011 as a Sr. LiDAR Analyst. Over the last 3 years Joel has worked as the lead LiDAR Analyst for the Kentucky Statewide LiDAR Program as well as numerous other Federal and State programs.

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Geni Jo Brawner

Geni Jo Brawner came to Kentucky Emergency Management (KYEM) in July of 2012 from the Emergency Management Accreditation Program (EMAP). While working at EMAP, Geni Jo worked with local and state emergency management programs helping them prepare for their EMAP Assessments. As a member of KYEM, she was a planning grants manager and acted as State Hazard Mitigation Officer (SHMO) until she was officially designated the position in May 2014. She is a graduate of the University of Kentucky.

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Warren Campbell

Dr. Campbell is co-chair of the ASFPM Higher Education Policy Committee and serves on the ASFPM Certification Board of Regents. He is the 2014 recipient of the ASFPM John Ivey Award. He is the Hall Professor of Civil Engineering at WKU and received his PhD from Colorado State.

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Annemarie Cason

Annemarie Cason has been leading the outreach efforts for the Risk MAP team at the Kentucky Division of Water (KDOW) for 3 ½ years. During that time, she has been building relationships with many of the folks on the ground such as floodplain administrators, surveyors, and emergency managers in hopes of assisting them in managing risks in their areas by sharing FEMA guidance, data, and leading training sessions and meetings. Annemarie came to state government from the field of environmental
engineering and remediation. Her educational background includes a Master’s Degree in Public Health (concentration in environmental and occupational health and safety) as well as an undergraduate degree in Biology. In her free time she enjoys spending time outdoors in her garden, on her atv, or at the lake.

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Shane Cook

Shane Cook, PE, LSIT is an Engineering Supervisor over the Dam Safety and Floodplain Compliance section of the KDOW. His main duties include managing all of the state regulated dams, cases that involve floodplain violations, and the state owned dam repair program. He has done research at UK and worked for Peabody Energy, mining and geotechnical engineering firms, and construction companies. He has worked for the Division of Water, Kentucky Transportation Cabinet, and Division of Mine Permits. He graduated from UK in Civil Engineering. When Shane is not at work, he enjoys riding motorcycles, water sports, building houses, fixing cars, and working around the farm.

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Matt Crawford

Matt Crawford has worked at the Kentucky Geological Survey (KGS) for 13 years. He focuses on landslide hazard research and also helps colleagues with the KGS seismic network and assessing earthquake hazards. Matt has BA from Hanover College, an MS from Eastern Kentucky University, and is a PhD candidate in the University of Kentucky Earth and Environmental Sciences Department.

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Kevin Devine

Kevin Devine has been employed by the Washington County Fiscal Court for the past 10 years as the Emergency Management Director and has been the Floodplain Manager for 2 years.

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Solitha W. Dharman

Solitha Dharman has been working in the Floodplain Management Section of Kentucky Division of Water (KDOW) for three years as a permit reviewer. Prior to work in the Floodplain Management Section, he has been with the Div of Water’s Florence Regional office as a drinking water inspector for eight years and as a permit reviewer and then as a supervisor in the Water Infrastructure Branch for about ten years. His current job duties are review and make recommendation to issue floodplain construction permits in compliance with state regulations. Also assists communities and citizens with floodplain construction issues.

Solitha holds Bachelor of Science in Electrical Engineering and Master of Science in Civil Engineering from University of Kentucky. He is a registered professional engineer, CFM and Kentucky Certified Public Manager. He is a member of ASFPM.
Michael Dossett

Governor Steve Beshear appointed Michael Dossett director of Emergency Management on June 1, 2014. Mr. Dossett began a professional career in law enforcement in 1975, then joining the Louisville Division of Police in Louisville, Kentucky. He served with the Department for 29 years, retiring in 2004 as an Assistant Chief of Police. Following retirement he served as the Deputy Commissioner of the Kentucky Department of Juvenile Justice from 2004 to 2008. Mr. Dossett began his career with the Department of Military Affairs in August 2009 as a KYEM Regional Response Manager. He was promoted in March 2011 to Logistics Chief and held that position within the division until his retirement in July 2013. During his tenure at KYEM Mr. Dossett also served as the Private Sector Program Coordinator and developed a nationally recognized best-practice model for the integration of public-private partnerships and alliances in disaster response, including the integration of the Private Sector Virtual Business EOC concept. Mr. Dossett has served as the Chairman of the Kentucky Community Crisis Response Board of Directors and has been a member of the KCCR Team since 2008. He has also served as a Special Advisor to the Kentucky Emergency Response Commission. Mr. Dossett has related experience in the fields of homeland security and crisis management, having previously served as the coordinator for the Office of Homeland Security for the Louisville Metro Police Department. Mr. Dossett holds FEMA certifications for All-Hazards Incident Commander, Logistics Chief, Master Exercise Practitioner and Type III Multi Agency IMT Commander. He is a certified police instructor for the Kentucky Law Enforcement Council and also holds instructor certifications for the Incident Command System and Exercise and Evaluation programs.

Amy Frogue

Amy Frogue is the Associate Director for the Pennyrile Area Development District in Kentucky. Her responsibilities include the management of the daily operations of the Community and Economic Development Department. She is responsible for the coordination and oversight of state and federal programs in the areas of economic development, water and sewer infrastructure, transportation planning, GIS, housing, homeland security, hazard mitigation, and other community development programs. Amy also administers the PADD revolving loan fund. Before becoming the Associate Director, Amy served the ADD District as the Director of Community Development, writing and administering various grant programs.

Amy received her Bachelor of Business Administration from Austin Peay State University in 2001. She went on to receive a Master of Business Administration in 2005 and Master of Public Administration in 2009 from Murray State University. She is a member of the American Society of Public Administration.

Amy serves as a school board member for the Todd County School District in Todd County, Kentucky. She resides in Todd County with her husband, Chad and two children, Alexis (9) and Paxton (4).
Hadley Gilliland

Hadley Gilliland joined FEMA Region IV in November 2010. Hadley serves as the Lead Historic Preservation Specialist for the Hazard Mitigation Assistance Branch. She is the Region IV Section 106 Consultation and Agreements primary lead for the Deputy Regional Environmental Officer, and leads the development and implementation of the Section 106 Tribal Consultation process. Hadley holds a Bachelor’s in Operations Management and Finance from the Georgia Institute of Technology, and a Master’s Degree in Heritage Preservation from Georgia State University. Hadley worked previously in architectural metals restoration and as an environmental planning contractor for the Georgia Department of Transportation.

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Mary Gilliland

Mary Gilliland is a GIS Manager with AECOM in Atlanta. Mary completed Kentucky Risk MAP projects in seven Kentucky counties – Boyd, Greenup, Hancock, Lewis, Magoffin, Mason, and Pike. She is currently working on projects in the portions of the Upper Cumberland Watershed, Tug Fork Watershed, Lower Levisa Watershed, Lower Kentucky Watershed, and Lower Cumberland Watershed. Mary is a CFM.

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Peter Goodmann

Peter Goodmann has served in the Department for Environmental Protection for more than 21 years. He joined the agency after a short stint as a mineral assessor in the Department of Revenue. His first job in the department was with the Division of Waste Management’s Underground Storage Tank Branch where he oversaw corrective action projects at contaminated properties. His move to the Division of Water came in 1995, when he was hired as manager of the Division’s Groundwater Branch. In 2005, Peter was named manager of the newly created Watershed Management Branch, responsible for overseeing the implementation of the nonpoint source pollution control program, watershed planning efforts, the water withdrawal permit and the water supply planning programs. In 2008, he was promoted to Assistant Director and was named as Director of the Division on February 16, 2014, where he has effectively led the many diverse programs in the Division of Water.

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Mike Greene

Mike Greene leads the FEMA CTP and PTS teams for Stantec Consulting Services in Kentucky. He has been with Stantec for 14 years working in the field of GIS, hydrologic and hydraulic modeling, dam breach modeling, and mitigation management. He is a graduate of the University of Kentucky.

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Michael S Griffin

Mike Griffin is the Director of the Indiana and Kentucky Water Science Centers of the USGS. He has been with the USGS for 29 years. He has a Bachelor of Science from Murray State University and a Masters of Business Administration from Sullivan University. He was the Data Chief and Assistant Director for 16 years before becoming the combined Center Director.

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Christina Groves

Christina Groves works with communities in FEMA Regions 4, 5, 6 and 7 to join, maintain and improve their participation in the Community Rating System (CRS). Specifically working with communities in the States of Arkansas, Indiana, Iowa, Kansas, Kentucky, Missouri, Nebraska and Tennessee to improve their commitment to a sound floodplain management program through participation in the CRS.

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Jason Hart

Jason Hart was born and raised in Richmond, Ky. An Alumni of EKU where he studied Computer Aided Drafting with emphasis on construction and materials. Jason started in the private sector, at a local engineering firm, designing public infrastructure, commercial and residential developments for the City, County and surrounding areas. Currently Jason is the Floodplain Coordinator & Director of Planning & Zoning for the City of Richmond. With 15 years of experience and dedication in the civil development field, Jason was awarded the inaugural 2013 Floodplain Manager of the year award by the KAMM.

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Dave Herndon

Dave Herndon is Planning Services Coordinator with Community and Development Services. Under supervision of the Director, he supervises the Planning Division, providing Planning services for both the City of Hopkinsville and Christian County. In addition to his traditional Planning responsibilities, Dave is highly involved in the flood mitigation efforts for the City of Hopkinsville, as well as provides day-to-day supervision of the Municipal Separate Storm Sewer System (MS4) program. Dave has a Bachelor’s Degree in Political Science from Murray State University, as well as a Master’s in Public Administration from Murray State. He is a CFM, as well as a Certified Planner.

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Jill Howe

Since 2009, Jill Howe has served as the environmental review coordinator in the Kentucky Heritage Council’s Site Protection Program, conducting review on projects with impacts to above-ground cultural resources and assisting applicants with questions related to the Section 106 process.

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Carey Johnson

Carey Johnson is the CTP Program Manager for the Kentucky Division of Water (KDOM). He has overseen flood map updates for all counties in KY and is leading Risk MAP efforts for the Commonwealth. He serves on the KY State Hazard Mitigation Council, the state-wide LIDAR/orthoimagery technical advisory committee, and the FEMA Flood Control Structure Integrated Project Team (IPT). He is also the state lead for the Kentucky Silver Jackets charter. He is a founding member, past chair, and current vice-chair of KAMM. Prior to being CTP Program Manager, Carey was the state NFIP Coordinator for 3 years.

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Bob Jost

Bob Jost is the GIS Manager for the Purchase ADD, tasked to develop and maintain a comprehensive Geographic Information System (GIS). The mission of the PADD GIS is to establish, implement and support cooperative efforts with other government, public and private organizations to accomplish PADD program objectives, by performing geospatial/geo-statistical analysis e.g. “making maps”. His work at the PADD has included; transportation planning, highway safety programs, natural hazard mitigation planning, city long-range comprehensive plans, water and wastewater systems mapping, and support to E-911, economic development, school systems, the National Trail of Tears Association and the Mississippi River Parkway Commission.

Bob has a B.A. in Geography with a minor in Urban Studies from Dartmouth College. He performed post-graduate studies at Arizona State University, and holds an M.A. in International Relations from Troy University. He has held certifications as an ASPRS Mapping Scientist, Remote Sensing, ESRI ArcView Instructor, and is currently a member of KAMP. Prior to coming to the PADD, he worked GIS projects in support of the National Intelligence Community following a U.S. Army career in Military intelligence.

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Andrea Pompei Lacy

Andrea Pompei Lacy serves as Project Manager for the Center for Hazards Research & Policy Development (CHR), a research unit that advances community resilience by connecting research to practice. During Andrea’s four years with the Center, she has led the development of several local hazard mitigation plans and contributed to the development of the most recent state mitigation plan update. Currently, Andrea serves on the design team for the Community Hazard Assessment & Mitigation Planning System (CHAMPS); leading the development of outreach materials, illustrations, and production of both print and video tutorials. Once implemented, CHAMPS will streamline mitigation efforts across multiple levels (Federal-to-Local and Sector-to-Sector), and provide a one-stop shop for communities to conduct disaster management planning. She holds a Masters in Public Administration and a Masters in Urban Planning from UofL, and a B.S. in Business Administration and Spanish from the University at Albany in New York. In her spare-time, she also serves as a volunteer of the Louisville Metro Medical Reserve Corps (MRC) and the UofL Community Emergency Response Team (CERT).

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Amanda LeMaster

Amanda LeMaster has been a Hazard Mitigation Grants Manager for KYEM for 3 years, working extensively with safe room projects. Her previous work experience includes the Mediation Division at the Administrative Office of the Courts (AOC) and General Manager of the Dragon Pub in Frankfort. Amanda enjoys the great outdoors and her sons’ sporting events year round.

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Kari Mackenbach

Kari Mackenbach is the National Green Infrastructure Practice Leader for URS. Kari coordinates the efforts of the Practice across the US. She is responsible for the overall quality of the practice related to work performed by the URS Green Infrastructure Practice Group. One of Kari’s key responsibilities’ is to leverage lessons learned from other cities across the County whether its Green Infrastructure design innovations or new O&M strategies and work to standardize these approaches within the Practice. Kari’s background as a Board Certified Environmental Scientist (BCES), CFM and as an American Rainwater Catchment Systems Association (ARCSA) accredited professional provides her with unique capabilities to work with communities and other professionals on multiple levels as it relates to sustainability and more specifically green infrastructure initiatives.

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Fred May, Ph.D

Fred May is an associate professor at Eastern Kentucky University (EKU), Homeland Security (HLS) Program where he teaches emergency management courses, specializing in hazard mitigation and disaster recovery. His specialty applications are governmental coordination, critical thinking, and disaster systematics. He retired from State government emergency management in 2002, teaching fulltime since, having previously taught part-time for at the University of Utah Center for Natural and Technological Hazards. His degrees are in geology from Weber State University, Penn State, and Virginia Tech. He has taught emergency management fulltime at Brandon University, Jacksonville State University, Western Illinois University, and EKU.

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Michelle Meehan

Michelle Meehan, PE is a water resources engineer with Stantec Consulting Services in Lexington, KY. She has seven years of experience in aspects such as hydrologic and hydraulic modeling, stormwater management, dam breach modeling, and site-civil design. She is a graduate of the University of Kentucky and holds a master’s degree in Civil Engineering with a specialty in water resources.

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Stephen Noe

Stephen Noe is currently the National Program Manager for FEMA Related Services for AMEC (16 states, over 200,000 miles of stream models, and 500 public meetings), as well as the FEMA Levee Certification program (over 25 systems nationally). He is a graduate of the University of Kentucky with a B.S. Agricultural Engineering in 1984. He was born in rural Western Kentucky on a grain and tobacco farm where he continues to farm on the same family farm on the weekends with his children and grandchildren. He has been with AMEC for 25 years. Steve has a wide range of water resource, hydraulic design and regulatory compliance experience. Steve currently serves as the Chair of KAMM.

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Amber Owens

Amber Owens is the Director of County Projects for the Whitley County Fiscal Court. Before working for the Fiscal Court, she worked in two television markets as a producer and in Frankfort for the Personnel Cabinet and for the Kentucky General Assembly. She now oversees all grant projects for the Fiscal Court, handles all public relations for the Judge/Executive, acts as Assistant Solid Waste Coordinator, is the Chair of Solid Waste Coordinators of Kentucky and is the Applicant Agent for the county.

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Abigail Rains

Abby is the MS4 Coordinator and the Acting National Flood Insurance Program (NFIP) Coordinator. She has been with the Division of Water since 2001; starting her career in state government in the Division of Water’s Enforcement Branch. She has worked as a wastewater operator, a commercial environmental laboratory manager, and as the Division of Water Pretreatment Coordinator. Abby received her CFM in April 2014.

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Stephanie Robey

Stephanie Robey has been with KYEM for 5 years serving as the Recovery Branch Manager and is now an Assistant Director. Previous state government experience includes Director of Accounts with the KY Transportation Cabinet and Chief of Staff to the Auditor of Public Accounts.

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Brooke Shireman

Brooke Shireman has worked at the Division of Water for almost ten years and serves as an environmental scientist for Kentucky’s Nonpoint Source Pollution program. She provides technical assistance to grant-funded projects developing watershed plans, designing and implementing stormwater controls and managing runoff pollution. Brooke loves to be outside, whether it’s in her garden or enjoying the beautiful trails and waterways throughout the Commonwealth.

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Kary Stackelbeck

Dr. Kary Stackelbeck is an archaeologist by training and currently serves as the Site Protection Program Administrator at the Kentucky Heritage Council/State Historic Preservation Office. The Site Protection Program coordinates the SHPO’s role in the Section 106 compliance process for federal undertakings in Kentucky and matters pertaining to archaeological and historic cemetery preservation across the state. She has experience in prehistoric and historic archaeology in Kentucky and elsewhere in the Midwestern and Southeastern U.S., the Central Andes of Peru, and the Near East. Her research interests include long-term trends in prehistoric settlement patterns, household organization, socio-cultural change, and technological organization.

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Jimmy Stahl

Jimmy Stahl is a Principal Engineer that delivers public sector engineering services for federal, state and local clients. He graduated from the University of Louisville with a Masters in Civil Engineering specializing in Water Resources. He has 20 plus years experience largely focused on hydrology & hydraulics for large scale watershed and riverine studies, detailed closed system modeling, watershed and storm water management, green infrastructure, dam breach analysis, master planning and design services. Jimmy currently serves as the Treasurer of KAMM. He is married to Kirsten and the proud father of 3.

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Joe Sullivan

Joe Sullivan has been the Warning Coordination Meteorologist for the National Weather Service (NWS) Warning and Forecast Office in Louisville, KY since 2007. A native of northern Iowa, Joe earned a Bachelor of Science degree in Meteorology from Iowa State University. He worked as a TV meteorologist in Waterloo, IA and Springfield, MO before joining the NWS in 1987. Throughout his career, Joe has striven to improve the ability of the NWS to communicate weather information to the public for the purpose of protecting lives and property. A former hot air balloon pilot, Joe and his wife recently became empty nesters and are currently trying to figure out what to do with their newly-recovered leisure time.

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Michael Taylor

Michael Taylor, PE, is a Project Manager with AECOM in Atlanta. Mary Gilliland is a GIS Manager with AECOM in Atlanta. Michael and Mary completed Kentucky Risk MAP projects in seven Kentucky counties – Boyd, Greenup, Hancock, Lewis, Magoffin, Mason, and Pike. They are currently working on projects in the portions of the Upper Cumberland Watershed, Tug Fork Watershed, Lower Levisa Watershed, Lower Kentucky Watershed, and Lower Cumberland Watershed. Mike is a CFM and a Professional Engineer registered in Kentucky.

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**Trevor Timberlake**

Trevor Timberlake, PE, CFM, is a Project Manager and Water Resources Engineer for URS in their Louisville, Kentucky office. He has 7 years of experience, serving clients such as the KDOW, KYTC, INDOT, ODOT, municipalities, and private sector clients. He currently leads URS Louisville’s engineering services for the KY Division of Water FEMA RiskMAP project, is managing dam projects for the KY Division of Water, and manages flood control and floodplain permitting projects. Trevor graduated from the University of Louisville with a Master’s degree in Civil Engineering specializing in Water Resources. In his free time, Trevor enjoys spending time with his wife, Janet, and two children.

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**Dave Uckotter**

David Uckotter was born in Covington, KY. He received a BA in Physics from Thomas More College, Ft. Mitchell, KY, and a Bachelor of Civil Engineering from the University of Dayton, OH and a Master of Civil Engineering from Purdue University, West Lafayette, IN. David was the Assistant City Engineer for the City of Springfield, OH, for six years; the Director of Traffic Engineering (4 years) and the Director of Engineering for the Lexington-Fayette Urban County Government for 21 years and has been a Senior Project Manager with CDP Engineers since 2006, working on transportation, sanitary sewer and stormwater projects, including flood reports and MS4 water quality issues.

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**Esther White**

Esther White has been a grants manager with the Hazard Mitigation Grants Program at the University of Kentucky’s Martin School of Public Policy & Administration since 2007. As contracted staff for the State Hazard Mitigation Officer at KYEM, Esther has worked with many communities and agencies statewide to secure funding and implement mitigation projects under 15 disaster declarations and several non-disaster grant cycles. With a background in business, economics, nonprofit management, and public administration, Esther also serves on the KAMM Board of Directors as Region IV Representative and was the recipient of the 2013 KAMM Mitigation Manager of the Year award.

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