

Arizona Floodplain Management Association Fall 2015 Conference



Quick Look: Conference Abstract

- ❖ Go to www.azfma.org to register
- ❖ You must be an AFMA member to register for the conference or classes
- ❖ Free Wednesday Training Classes
- ❖ Plenary, Technical, and Programs & Policies presentations
- ❖ Field tour of the Upper Gila Riparian Restoration Project
- ❖ CFM/Continuing Education Credits

November 4 – 6, 2015

Safford, Arizona

Manor House Convention Center

Conference Cost: \$250, Includes Thursday Dinner (Additional Dinner Guests: \$25)

415 E. U.S. Highway 70, Safford, Arizona, 85546



Note: Room rate of \$89.99 (plus taxes and fees) available at three nearby hotels.

Quality Inn & Suites – Safford (928) 428-3200. Comfort Inn & Suites – Safford (928) 348-9400.

Comfort Inn & Suites – Thatcher (928) 348-9500. Call to reserve your room.

Identify yourselves as part of the *Arizona Floodplain Management Association Conference*

Cutoff for guest room registration to receive the rate is October 3, 2015.

Attention CFMs! Conference has been pre-approved for CECs by ASFPM (Thursday conference 6 CECs, Friday conference 2.5 CECs) Workshop and field trip CECs – see descriptions for pre-approved CECs

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Wednesday, November 4th Training Classes – Schedule of Events (See Descriptions of Classes for more information)

8:00 AM				
8:30 AM			Low Impact Development for Flood Mitigation and Water Conservation (2 CECs)	Comparing NFIP Regulations with Flood Insurance (3 CECs)
9:00 AM	Office Hours with FEMA and ADWR: Mapping (By Advanced Appointment Only See below to sign up)	Office Hours with FEMA & ADWR NFIP Compliance and CAV Issues (By Advance Appointment Only)	Flood Warning 101 (2 CECs)	
9:30 AM				
10:00 AM				
10:30 AM				
11:00 AM				
11:30 AM				
Noon	Lunch –Provided by AFMA			
12:30 PM				
1:00 PM	Office Hours with FEMA and ADWR: Mapping (By Advanced Appointment Only See below to sign up)	Office Hours with FEMA & ADWR NFIP Compliance and CAV Issues (By Advance Appointment Only see below to sign up)	CFM Exam (Must Preregister with ASFPM)	NFIP Common Noncompliance Issues (4 CECs)
1:30 PM				
2:00 PM				
2:30 PM				
3:00 PM				
3:30 PM				
4:00 PM				
4:30 PM				
5:00 PM				
5:30 PM				
6:00 PM	Evening Reception and Registration on the Rock’n Horse Saloon Patio (Appetizers and Cash Bar, Dinner on your own)			
6:30 PM				
7:30 PM				
7:30 PM				
8:00 PM				

Description of Classes – Wednesday, November 4th

Office hours at the Quality Inn Copper room. Classes and CFM exam at the Manor House Convention Center

Office Hours with FEMA and ADWR: Mapping (9:00 am to 5:00 pm, advanced appointment only)

Schedule a time to meet with Bob Bezek from FEMA Region IX and Maureen Towne from ADWR to discuss Risk MAP, current or future engineering studies, levees, or other mapping issues in your community. Contact Maureen Towne at ADWR to schedule an appointment. mctowne@azwater.gov or 602-771-8662

Office Hours with FEMA and ADWR: NFIP Compliance and CAV Issues (9:00 am to 5:00 pm, advanced appointment only) Schedule a time to meet with Patricia Rippe from FEMA Region IX, Brian Cosson and Suzie Bohnet from ADWR to discuss NFIP compliance and CAV issues in your community. Contact Suzie Bohnet at ADWR to schedule an appointment. slbohnnet@azwater.gov or 602-771-8459

CFM Exam (1:00 pm to 4:00 pm, must pre-register with ASFPM)

The ASFPM Certified Floodplain Manager (CFM) exam will be proctored. To take the exam, you must pre-register through ASFPM (see <http://www.floods.org/pdf/certapp.pdf> for more information)

Low Impact Development for Flood Mitigation and Water Conservation (8:00 am to 10:00 am, 2 CECs)

This class will be taught by Kieran Sikdar and will include a summary of best practices, lessons learned, appropriate maintenance practices, incentives and policy mechanisms to enable communities to mitigate flooding and conserve water cost effectively while improving community quality of life. A slideshow of LID pictures will provide an overview of best practices and lessons learned. An interactive conversation will be facilitated to address the barriers to implementation and broad use of LID in participants' communities. Participants can expect to learn what is LID and how do I measure the benefits, what are best practices for design, implementation and maintenance from the field, how to identify GI/LID opportunities and how to assess and improve LID installations. This class will be an exciting continuation of the LID class offered at the Spring AFMA conference to highlight Arizona LID issues and best practices from experienced practitioners.

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Description of Classes – Wednesday, November 4th

Flood Warning 101 (10:00am to Noon) (2 CECs)

This workshop will be taught by members of AFMA's own Flood Warning Committee. This workshop has been designed to introduce those who are new to ALERT (Automated Local Evaluation in Real Time) systems and to inspire the more experienced ALERT program managers to get more out of their systems for increasingly effective floodplain management and emergency response. This class covers a broad range of ALERT flood warning topics from several perspectives, and will show how local, state and federal agencies are working together to build effective flood warning capabilities in Arizona. Topics will include:

- Introduction to ALERT Flood Warning Systems with an Overview of Arizona ALERT Systems and Other Data Sources
- Current Trends in Arizona and Nationally, System Improvements and Innovative Applications
- Integrating ALERT Data into Emergency Action Plans and Flood Response Plans

Comparing NFIP Regulations with Flood Insurance (8:30 am to 11:30 am, 3 CECs)

Flood insurance guidelines and floodplain management regulations can affect insurance ratings. This class will review the relationship between NFIP insurance and regulations when dealing with specific situations.

After completing this class you will be able to:

- Identify basic rating elements
- Explain differences between Lowest Floor Elevation and Base Flood Elevation (LFE/BFE)
- Identify compliance and rating elements for enclosures
- Explain rating differences in A-Zones without BFEs
- Describe benefits and implications of flood proofing
- Describe other compliance factors affecting insurance rates
- Identify resources for outreach and updates

NFIP Common Noncompliance Issues (1:00 pm – 5:00 pm, 4 CECs)

This class will review the most common types of noncompliance with floodplain management regulations, and suggest ways that communities can avoid noncompliance to begin with and effectively resolve problems when they arise.

After completing this class, you will be able to:

- Identify common floodplain management compliance issues
- Describe effective messages to achieve compliance
- Describe administration and enforcement measures to gain compliance
- Identify ways to eliminate noncompliance
- Identify resources that the local FPM can use to resolve noncompliance issues.

Evening Reception and Registration (6:00 pm to 8:00 pm)

Come register for the conference and join your fellow floodplain managers for an evening reception on the patio at the Rock'n Horse Saloon. Appetizers will be served and a cash bar will be available.

Wednesday Dinner – On your own.



Thursday, November 5th

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Convention Center	7:00 to 8:00	Breakfast at the Convention Center		
	8:00 to 8:15	Call to Order and Announcements		
	8:15 to 8:30	Local Welcome – Drew John, Graham County Supervisor		
	8:30 to 9:15	Upper Gila Riparian Restoration Project - Shawn Stone, Gila Watershed Partnership of Arizona		
	9:15 to 10:00	Railway Improvements in Gila and San Carlos River Floodplains Dave Jensen P.E., CFM, Gajendra Shrestha PE., CFM, Olsson Associates		
	10:00 to 10:30	Break		
	10:30 to 11:00	8th Avenue Bridge over the Gila River – Alex Menez, P.E., CFM, Kimley Horn Dave Jensen P.E., CFM, Olsson Associates		
	11:00 to 11:30	The Ephraim Canyon Detention Basin-Floodplain Reduction Study Chuck Williams P.E., Stantec, John Hays, CFM, EIT, Santa Cruz County Flood Control		
	11:30 to Noon	AFMA Business Meeting, CFM Pins		
Noon to 1:30 Lunch - Provided by AFMA				
Afternoon Concurrent Sessions	1:30 to 2:00	Technical Track	A Real Time Optimization/Stimulation Model for River Reservoirs Systems Daniel Che PhD, Atkins North America, Inc.	
	2:00 to 2:30		Use of One and Two Dimensional Numerical Models to Study Land Building Capacity of River Sediment Diversions – Gyan Basyal, WEST	
	2:30 to 3:00		USGS Revised Peak-Flow Frequency Estimates and Regional Regression Equations for Arizona – Chris Magirl PhD, U.S. Geological Survey	
	3:00 to 3:30		Break	
	3:30 to 4:00		FLO-2D Pro Model Verification and Approval Project – Tom Loomis P.E., CFM, RLS, FCDMC	
	4:00 to 4:30		Dynamic Desert Floods at a Dry Dam – Bob Eichinger P.E., Zach Whitten P.E., Mike Gerlach P.E., CFM Stantec Consulting	
	4:30 to 5:00		Optimal Design of Urban Drainage Systems after the 9/8/14 Storm – Case Study in Mesa Jeff Holzmeister P.E, J2 Engineering and Environmental Design Lance Webb P.E., CFM, City of Mesa	
	1:30 to 2:00	Programs and Policies Track	An Introduction to Stormwater Leigh Padgitt CMS4S, Arizona Department of Transportation	
	2:00 to 2:30		Pinal County Elevation Certificate Acquisition Project Christopher Wanamaker P.E., CFM CPM, Pinal County Flood Control District Dave Jensen P.E., CFM Olsson Associates	
	2:30 to 3:00		Purpose of a Community Assistant Visit (CAV) and Common Follow-Up Issues Suzie Bohnet P.E., CFM, Brian Cosson CFM, Arizona Department of Water Resources	
	3:00 to 3:30		Break	
	3:30 to 4:00		Outreach – To boldly go where no one has gone before! Katherine Fish and John Ortman, Mohave County	
	4:00 to 4:30		First Order Approximations (FOA) – Not just for FEMA Linda Potter PE., CFM, Atkins North America, Inc.	
	4:30 to 5:00		What’s new with FEMA Region IX – Bob Bezek, FEMA Region IX	
	6:00 to 8:00		Dinner and Activities at Manor House Convention Center Reception beginning at 6:00, no host bar, followed by dinner and music!	



Friday, November 6th

7:00 to 8:30	<i>Board of Directors Meeting at the Rock'n Horse Saloon</i>
7:00 to 8:30	<i>Breakfast at the Convention Center</i>
8:30 to 9:15	Gorrion Corte Flood Control Basin, Leveraging CDBG Funds for Flood Reduction John Hays CFM, Santa Cruz County Flood Control
9:15 to 10:00	Reimagining Storm Water: Quantifying the Financial Benefits of Low Impact Development Kieran Sikdar CFM, Watershed Management Group
10:00 to 10:30	<i>Break</i>
10:30 to 11:00	Simple Floodplain Crossing Turns Complex – Houston Grand Parkway Crossing at Woodson Gully – Stan Polasik, Parsons Corporation
11:00 to 11:30	Hillside and Drainage Improvements on Camelback Mountain Raj Shak, Patrick Wolf, Ritoch Powell & Associates
1:00 to 3:00	<i>Field Trip- Upper Gila Riparian Restoration Project</i>

Field Trip: (1 CECs)

Upper Gila Riparian Restoration Project

We will eat our box lunches among the tamarisk.

The Upper Gila Riparian Restoration Project is a proactive effort to re-establish native habitat for threatened and endangered species prior to colonization by the tamarisk leaf beetle. Re-establishing riparian obligate to xeric native plant species in the appropriate locations can help support a greater variety of faunal species, minimize erosion after the initial treatment, reduce wildfire risks, and re-establish ecosystem processes negated by tamarisk monocultures. The Gila watershed partnership will be removing tamarisk through multiple means. In addition, they will be planting indigenous species to act as seed stock.

