



US Army Corps
of Engineers



USACE Flood Risk Management & Silver Jackets Workshop

August 20-24, 2012 • Harrisburg Hilton
One North Second Street • Harrisburg, Pennsylvania



Objectives:

- Demonstrate results and benefits of collaborative approaches across all levels of government to improve effectiveness and efficiency in managing flood risk and improving community resiliency.
- Unify and refine approaches to communicating the nature and degree of flood risk in the context of shared and individual responsibility, with the purpose of effecting action at the individual, community, watershed, state and federal levels.
- Refine approaches to providing federal government services in a more coordinated, effective manner, with a focus on local and state priorities.

Monday, August 20, 2012: Optional Pre-Workshop Training

On Monday, we will be offering optional pre-workshop training sessions.

8:00-5:30

Workshop Check In

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

8:30-4:30

Certified Floodplain Manager Refresher Training

Location: Susquehanna

- Ms. Susan Wilson, CFM, Chief, Floodplain Management and Insurance Branch, Mitigation Division, FEMA Region IV
- Mr. Jason Hunter, CFM, Sr. Natural Hazard Program Specialist, Floodplain Management and Insurance Branch, Mitigation Division, FEMA Region IV

The Association of State Floodplain Managers (ASFPM) CFM Exam will be given 6-9 pm, Thursday, 23 August. Participants must register in advance with ASFPM (www.floods.org) to take the exam.

2012 USACE Flood Risk Management & Silver Jackets Workshop

9:30–4:30

Risk Communication Training

Location: Allegheny

- Ms. Stacy Langsdale, USACE Institute for Water Resources
- Mr. Hal Cardwell, USACE Institute for Water Resources
- Mr. Carey Johnson, Kentucky Division of Water
- Ms. Torrie McAllister, USACE South Pacific Division
- Mr. Bruce Bender, FloodSMART

The purpose of this interactive workshop is to understand the criticality of communicating flood risk within a range of contexts and learn how to design and conduct appropriate and effective risk communication. Participants will work with actual case studies to apply an array of tools for discussing risk and interagency key messages for flood risk management. The interagency instructor team also will cover public communication preferences and strategies for interagency coordination on communication.

9:30–2:30

Flood Risk Plan Formulation for Alternatives to Levees (Nonstructural Mitigation)

Location: Delaware

- Mr. Randall Behm, USACE Omaha District and USACE Nonstructural Committee
- Mr. Joe Remondini, USACE Tulsa District and USACE Nonstructural Committee
- Mr. Keven Lovetro, USACE New Orleans District and USACE Nonstructural Committee

This training will provide an overview of nonstructural techniques. It also will illustrate the general data requirements for conducting plan formulation and how to conduct an economic analysis to obtain a benefit-cost ratio. The workshop identifies the hydrologic and nonstructural plan formulation required to assist communities/states to, either individually or in conjunction with USACE, develop potentially feasible nonstructural flood risk reduction measures that could lead to implementation.

2:30–3:30

Flood Insurance for Flood Risk Managers

Location: Juniata

Ms. Susan Wilson, CFM, Chief, Floodplain Management and Insurance Branch, Mitigation Division, FEMA Region IV

This workshop will provide an understanding of the basics of flood insurance coverage, rating, and the Mandatory Purchase of Flood Insurance Guidelines.

2:30–4:30

Hydrologic Warning Systems Training

Location: York

Mr. Benjamin Pratt, National Hydrologic Warning Council

Community-based Hydrologic Warning Systems (CHWS) can provide a cost effective nonstructural flood risk reduction strategy when properly designed and implemented. Whether developing a project to address coastal concerns, dam safety, riverine flooding or a variety of other hydrologic hazards, understanding the technology available to capture and effectively communicate associated risk is critical to the success of the CHWS. This workshop will examine the necessary components of a CHWS, strategies for implementation of a CHWS, and potential benefits beyond saving lives and property. This workshop is presented by the National Hydrologic Warning Council (NHWC), whose membership includes flood-warning professionals, service providers, and vendors in the United States and abroad.

2012 USACE Flood Risk Management & Silver Jackets Workshop

5:30–6:30

External Partner Orientation: “Corps-speak” Immersion Program

Location: Lancaster

Ms. Judy Soutiere, USACE Sacramento District

This session will provide a general background on the USACE and the Flood Risk Management and Silver Jackets programs. In addition, participants will gain a better understanding of the Corps' structure, organization, and terminology. Participants will receive an explanation of some of the key messages of the Flood Risk Management and Silver Jackets programs, which will be discussed throughout the week.

7:00–8:30

Informal (No Host) Welcome Networking Session

Location: Market Square Café

Catch up with old friends and meet new ones before the official start of the 2012 Flood Risk Management and Silver Jackets Conference. Menu items will be available while you network and test your flood risk management IQ.

Tuesday, August 21, 2012

7:30

Workshop Check In

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

8:00–5:30

Poster Session & Displays Open

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

Posters will be staffed on Tuesday and Thursday morning from 8:00 – 8:30.

8:30–8:45

Welcome & Opening Remarks

Location: Plenary - Lancaster/Gettysburg/Carlisle

- Colonel Trey Jordan, Commander, Baltimore District, USACE
- Mr. Ray Alexander, Deputy Chief, Homeland Security, HQUSACE

8:45–9:30

The 2011 Pennsylvania Floods Experience

- Mr. Glenn M. Cannon, Esq., Director, Pennsylvania Emergency Management Agency

Director Cannon will speak about the response and recovery efforts in Pennsylvania since the 2011 floods, including the importance of interagency efforts and lessons learned in the application of federal and state programs to mitigate flood risk and improve resiliency.

9:30–10:15

Views from Senior Leadership: Achieving Success Working Together

- Ms. Karen Durham-Aguilera, PE, SES
Director of Contingency Operations and Homeland Security, HQUSACE
- Dr. Sandra Knight, PhD, PE, D.WRE
Deputy Associate Administrator Mitigation, Federal Emergency Management Agency

These senior leaders will discuss the national context of flood risk management from their perspectives, including the critical role it plays in reducing flood risk in the nation and recent successes and challenges.

10:15–10:30

Break

2012 USACE Flood Risk Management & Silver Jackets Workshop

10:30–11:30

The Benefits of Mitigation

Moderator: Mr. Roy Wright, Risk Analysis Division, FEMA

- Dr. Sam Brody, Texas A&M University
- Ms. Lisa Hair, US Environmental Protection Agency Office of Water
- Mr. Michael Armstrong, National Council of Architectural Registration Boards and former Associate Director for Mitigation, FEMA

This panel will share information regarding the benefits of mitigation in reducing flood risk, reducing future federal expenditures and improving community resiliency. Discussion questions will focus on opportunities for additional mitigation activities and overcoming challenges to their implementation.

11:30–1:00

Awards Luncheon

Location: Plenary - Lancaster/Gettysburg/Carlisle

Major General Michael J. Walsh, Deputy Commanding General, Civil and Emergency Operations, HQUSACE

MG Walsh will share his vision of the USACE role in managing the nation's flood risk and present awards, including the Silver Jackets Team of the Year, USACE Silver Jackets Coordinator of the Year, and USACE Flood Risk Manager of the Year.

Pre-registration for lunch required.

1:00–2:00

Concurrent Breakout Sessions

Breakout sessions will be organized along four tracks:

1. Communicating Risk & Taking Action
2. Efforts, Updates & Experiences with Mapping Tools
3. Mitigation & Mitigation Planning
4. Tools for Flood Risk Management

Workshop participants may focus on a single track or "mix and match" for a broader exposure to the breadth of flood risk management activities and tools.

■ Track #1 – Communicating Risk & Taking Action: FEMA's Flood Risk Communication Building Blocks

Location: Susquehanna

A new understanding of the likelihood of local flooding is emerging through new coastal initiatives, new levee analyses, and watershed-based flood risk studies. Federal and state agencies as well as local communities need a range of tools and strategies to help communicate those changing risks. Communicating that story is not up to FEMA alone. For example, FEMA, USACE, and seven other federal agencies have joined forces to develop the strategy and tools necessary to launch a High Water Mark Initiative in communities. Presenters will share findings around communicating risk, engage participants in sharing their experience, while demonstrating new tools available to communities through FEMA's National Marketing Campaign (FloodSmart) and its High Water Mark Initiative.

- **Building Local Flood Awareness and Action Using NFIP FloodSmart Tools**
Ms. Mary Jo Vrem, FEMA, Risk Insurance Division
- **It HAS Happened Here: A Cross-Agency High Water Mark Initiative**
Mr. Vincent Brown, FEMA, Risk Analysis Division

■ Track #2 – Efforts, Updates & Experiences with Mapping Tools: Integrated Water Research Science and Services (IWRSS) Consortium: A New Federal Collaboration

Location: Allegheny

The Integrated Water Resources Science and Services (IWRSS) is an innovative partnership between NOAA, the U.S. Geological Survey, and the U.S. Army Corps of Engineers to meet the growing demand for enhanced water resources information. Collaborative IWRSS activities will provide emergency managers and the public with detailed maps that explicitly show forecasted locations and effects of flooding for faster and more effective evacuations. It will also support the development of new forecasts for water supply and availability, thereby helping communities become more resilient to floods.

- **Partnering to Address America's Water Resources Information Needs**

Ms. Mary G. Mullusky, National Weather Service, NOAA

- **A Federal Partnership for Flood Inundation Mapping Services**

Ms. Marie C. Pepler, US Geological Survey

■ Track #3 – Mitigation & Mitigation Planning: State-Led Mitigation Planning Activities

Location: Delaware

Presenters from Iowa and California will share examples of state-led mitigation planning efforts. In California, the CA Department of Water Resources, working with the South Pacific Division of USACE, produced a statewide flood planning document. Presenters will discuss the benefits and challenges of multi-District participation in a state-led planning effort. In Iowa, a single floodplain management database is being used to communicate both qualitative and quantitative flood risk with the Iowa-Cedar Rivers basin, an 8 million acre mixed use basin, as an example.

- **Iowa Silver Jackets Pilot: Floodplain Management and Risk Communications**

Mr. Jason Smith, USACE Rock Island District

- **California Statewide Flood Planning**

Mr. Stu Townsley, USACE South Pacific Division

■ Track #4 – Tools for Flood Risk Management: Ensuring A Robust Alternatives Analysis For Flood Mitigation Options

Location: Juniata

This session will focus on conducting a robust alternatives analysis for mitigation options, whether at the community or state level. The session will take a more in-depth look at the following aspects of alternatives analysis: 1) valuing ecosystem services and functions, 2) climate change and adaptation, 3) long term O&M costs to the community, and 4) legal issues related to flood mitigation and floodplain management.

Moderator: Mr. Chad Berginnis, Association of State Floodplain Managers

- Ms. Sally McConkey, Chair, Association of State Floodplain Managers
- Mr. Steve Ferryman, Ohio State Hazard Mitigation Officer

2:00–2:15

Break

2012 USACE Flood Risk Management & Silver Jackets Workshop

2:15–3:15

Concurrent Breakout Sessions

Breakout sessions will be organized along four tracks:

1. Communicating Risk & Taking Action
2. Efforts, Updates & Experiences with Mapping Tools
3. Mitigation & Mitigation Planning
4. Tools for Flood Risk Management

Workshop participants may focus on a single track or “mix and match” for a broader exposure to the breadth of flood risk management activities and tools.

■ Track #1 – Communicating Risk & Taking Action: Building Community Networks

Location: Susquehanna

While considerable state and federal effort is focused on supporting sound flood risk management, each community has the authority and responsibility to implement wise use of their floodplains. The Resilient Neighbors Network (RNN) will allow for communication among communities to support each other's efforts in all hazard risk reduction. At this time, a small group of communities is piloting the RNN, focusing on designing a range of communication mechanisms. Several states have found that CRS User Groups have been an effective, growing and popular forum to clarify CRS elements and inspire CRS Class advancement by communities.

Moderator: Ms. Alessandra Jerolleman, Executive Director, Natural Hazard Mitigation Association

- Mr. Daya Dayananda, City of Pasadena, TX
- Ms. Debbie Cahoon, CRS User Group Liaison, League City, TX
- Mr. Bill Lesser, Federal Insurance & Mitigation Administration, FEMA

■ Track #2 – Efforts, Updates & Experiences with Mapping Tools: USGS Efforts

Location: Allegheny

The U.S. Geological Survey (USGS) is one of three federal partnering agencies under the Integrated Water Research Science and Services (IWRSS) consortium involved in moving the science of Flood Inundation Mapping (FIM) forward. Presenters will discuss the Flood Inundation Mapping Program and provide an example of lessons learned in Tennessee.

• **An Overview of the USGS Flood Inundation Mapping Program: Current Activities and Future Directions**

Mr. Robert (Bob) A. Hainly, USGS

• **USGS Flood Warning, Monitoring & Mapping Activities in Nashville, Memphis and Chattanooga**

Ms. Shannon Williams, USGS, Tennessee Water Science Center

2012 USACE Flood Risk Management & Silver Jackets Workshop

■ Track #3 – Mitigation & Mitigation Planning: Examples of Mitigation Activities after 2011 Flood Season

Location: Delaware

Presenters will highlight activities undertaken by state and federal partners after the 2011 floods to prepare for the 2012 flood season. They will focus on managing and mitigating risks resulting from the 2011 historic flood damages to the Mississippi River and Tributaries (MR&T) Project and other Mississippi River Flood Risk Reduction Projects and on implementing an expedited FEMA Hazard Mitigation Grant Program in New Jersey to be able to truly support the recovery effort after Hurricane Irene.

- **Operation Watershed – Recovery 2012 Flood Preparedness Efforts, New FRM-SJ Innovations and Tools**

Mr. Henry C. DeHaan III, USACE Rock Island District

- **The New Jersey Experience – Expedited Buyout Program for Hurricane Irene**

Mr. Michael Foley, FEMA Region II and Mr. William McDonnell, New Jersey Office of Emergency Management

■ Track #4 – Tools for Flood Risk Management: Establishing and Running an Effective Silver Jackets Team

Location: Juniata

Panelists will share their insights and experiences in initiating new state-led interagency flood risk management teams, integrating into existing teams, and maintaining vibrant teams. The audience will be encouraged to guide the discussion. Anticipated topics include how to: determine whether a new team is needed; develop initial team membership; expand team membership; keep momentum going; interact with individual communities, nongovernmental organizations, and neighboring state teams. There will be a discussion on the usefulness of a resource guide or team handbook. Best practices will be presented that establish team credibility and encourage lasting productivity.

Moderator: Mr. Norb Schwartz, USACE Institute for Water Resources

- Mr. Miles Anderson, Florida Division of Emergency Management
- Ms. Angela Gardner, Arkansas Natural Resources Commission
- Mr. Mark Slauter, Virginia Department of Emergency Management
- Mr. Thomas Morey, Kansas Department of Agriculture
- Ms. Colleen Horihan, USACE Omaha District

3:15–3:30

Break

3:30–4:30

Updating USACE Policies to Support Flood Risk Management

Location: Plenary - Lancaster/Gettysburg/Carlisle

- Mr. Jeff Jensen, Deputy Director, National Flood Risk Management Program, HQUSACE
- Ms. Sue Hughes, Deputy Director, HQUSACE Planning and Policy
- Mr. Eric Halpin, Special Assistant for Dam and Levee Safety, HQUSACE

Updates from USACE on Civil Works/Planning Transformation, the USACE Levee Safety Program, the System-Wide Improvement Framework (SWIF) policy and more.

2012 USACE Flood Risk Management & Silver Jackets Workshop

4:30–5:30

Silver Jackets Team Networking Blitz

Each state team in attendance will provide a 1-2 minute update on a few select activities or initiatives. Participants are encouraged to engage in one-on-one discussions with speakers and team members. Flip charts will be available to capture follow-up opportunities.

Wednesday, August 22, 2012

7:30–8:00

Workshop Check In

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

8:00–5:30

Poster Session & Displays Open

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

8:00–9:00

Celebrating Successes in Interagency Partnerships: Recent Activities of the Federal Interagency Floodplain Management Task Force

Location: Plenary - Lancaster/Gettysburg/Carlisle

- Ms. Karen Durham-Aguilera, PE, SES, Director of Contingency Operations and Homeland Security, HQUSACE
- Dr. Sandra Knight, PhD, PE, D.WRE, Deputy Associate Administrator Mitigation, Federal Emergency Management Agency

This panel will provide an update on recent FIFM-TF activities that have improved the ability of the member federal agencies to work in partnership with each other as well as with other stakeholders and partners in flood risk management. The FIFM-TF brings together representatives of many federal agencies and aims to align federal programs for flood risk management.

9:00–10:00

Raising the Level of Public Dialogue to Manage Flood Risk

Moderator: Mr. Doug Bellomo, Risk Analysis Division, FEMA

- Mr. Jon Janowicz, FEMA Region III
- Mr. Eric Halpin, Special Assistant for Dam and Levee Safety, HQUSACE
- Ms. Mary G. Mullusky, National Weather Service, NOAA

This panel will discuss recent activities related to catalyzing and supporting meaningful community dialogue surrounding issues related to flood risk and discuss reactions to these efforts, lessons learned, successes in effecting risk reduction on the ground, and persistent challenges.

10:00–10:15

Break

10:15–11:00

Regional Group Discussions

Location: Plenary - Lancaster/Gettysburg/Carlisle

Workshop attendees will gather into regional breakouts for open discussion: What have you heard that prompts you to action? Who needs to be involved? What are next steps?

11:00

Lunch (on your own)

2012 USACE Flood Risk Management & Silver Jackets Workshop

11:30–5:00

Field Trip #1: Harrisburg Area Flood Risk Management Experiences and Highlights

Hosted by Pennsylvania Emergency Management Agency (PEMA) & USACE Baltimore District

Participants pre-registered for the Harrisburg Area Flood Risk Management Experiences and Highlights field trip should meet in the lobby of the Harrisburg Hilton at 11:30.

Planned stops include:

- City Island, City of Harrisburg – Information on history of flooding in Harrisburg, response to 2011 event, lessons learned, and transition to recovery.
- Three Mile Island Nuclear Power Plant – How mitigation planning aids in planning, response, and recovery.
- Lower Swatara Township – 2011 flooding response and recovery efforts including buy-outs and mitigation.

12:30–5:00

Field Trip #2: Commonwealth of Pennsylvania Emergency Operations Center and Joint Field Office

Hosted by the Commonwealth of Pennsylvania & Pennsylvania Emergency Management Agency (PEMA)

Participants pre-registered for the Commonwealth of Pennsylvania Emergency Operations Center and Joint Field Office field trip should meet in the lobby of the Harrisburg Hilton at 12:30.

Overview of the state Emergency Operations Center (EOC) and how the Joint Field Office (JFO) operated during and after the Irene and Lee floods. (Note: Tour may be altered if there is a declared emergency.)

Planned stops include:

- Commonwealth of Pennsylvania Emergency Operations Center
- State Disaster Recovery Center (former Joint Field Office)

Thursday, August 23, 2012

7:30

Workshop Check In

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

8:00–5:30

Poster Session & Displays Open

Location: Atrium outside the Plenary - Lancaster/Gettysburg/Carlisle

Posters will be staffed on Tuesday and Thursday morning from 8:00 – 8:30.

8:30–9:45

Silver Jackets Pilot Project Achievements and Interagency Perspectives on Evaluating Risk Reduction

Location: Plenary - Lancaster/Gettysburg/Carlisle

Moderator: Ms. Jennifer Dunn, USACE Institute for Water Resources

- Ms. Lisa Bourget, USACE Institute for Water Resources
- Mr. Carey Johnson, Kentucky Division of Water
- Mr. Brian Rast, USACE Kansas City District
- Ms. Juliette Hayes, FEMA Region IX

This panel will highlight the progress being achieved through partnerships and leveraging by two Silver Jackets pilot projects; describe transferable activities, actions and approaches; and

2012 USACE Flood Risk Management & Silver Jackets Workshop

discuss how the value of project achievements can be demonstrated and communicated, with particular focus on the goal of actions resulting in risk reduction. FEMA's experience in developing the Risk MAP Action Tracker and opportunities to integrate with this tool will also be discussed.

9:45–10:45

Approaches for Developing Resiliency Along the Coasts

Moderator: Mr. Charley Chesnutt, USACE Institute for Water Resources

- Ms. Kristen Fletcher, Coastal States Organization
- Mr. Tom Smith, USACE Honolulu District
- Ms. Maria Honeycutt, NOAA Coastal Services Center

This diverse panel will discuss how federal agencies and states are working to increase community resilience to flood risks along the coast. Innovative approaches to decrease the vulnerability of coastal communities and mitigate flood risks will be described. The effectiveness of collaboration across agencies and levels of government to promote resilience will be demonstrated through a case study.

10:45–11:00

Break

11:00–12:00

Concurrent Breakout Sessions

Breakout sessions will be organized along four tracks:

1. Communicating Risk & Taking Action
2. Efforts, Updates & Experiences with Mapping Tools
3. Mitigation & Mitigation Planning
4. Tools for Flood Risk Management

Workshop participants may focus on a single track or "mix and match" for a broader exposure to the breadth of flood risk management activities and tools.

■ Track #1 – Communicating Risk & Taking Action: Cooperative Approaches to Communicating Flood Risk

Location: Susquehanna

Representatives from Silver Jackets teams from Virginia and Idaho will share examples of the successful partnerships and initiatives developed through interagency cooperation that help protect lives and property. A partnership between Virginia and North Carolina will expand North Carolina's existing flood mapping website to allow Virginians to estimate flood damage and costs to properties from various storms on an individual and community-wide basis. In Idaho, the networking, coordination and cooperation achieved through Idaho Silver Jackets team has successfully leveraged the data and analyses of many agencies' efforts in the Boise River watershed.

- **Virginia and North Carolina Shared Website**
Ms. Michelle Hamor, USACE Norfolk District
- **Boise River, Idaho – Many Agencies Working Towards One Version of the Truth**
Ms. Ellen Berggren, USACE Walla Walla District

2012 USACE Flood Risk Management & Silver Jackets Workshop

■ Track #2 – Efforts, Updates & Experiences with Mapping Tools: Hydrologic/Flood Forecasts and NWS River Forecast Centers

Location: Allegheny

The National Weather Service is currently engaged in a three-year project to develop and implement a new capability to produce operational hydrologic ensemble forecasts for lead times of a month out to one year that include uncertainty ranges at all time scales to be applied at all thirteen NWS River Forecast Centers (RFCs). We will discuss the project with a focus on new products and maximizing the utility of this information to flood risk managers with specific examples from the Middle Atlantic River Forecast Center.

- **Quantifying Uncertainty in Hydrologic/Flood Forecasts**

Mr. Ernie Wells, NOAA National Weather Service

- **An Overview of Middle Atlantic River Forecast Center Daily Operations**

Mr. Ted Rodgers and Mr. Cody Moser, NOAA/NWS/Middle Atlantic River Forecast Center

■ Track #3a – Mitigation & Mitigation Planning: Recent Events and Approaches to Flood Hazard Mitigation

Location: Delaware

These presentations will survey recent Silver Jackets team responses to significant flooding events in 2011. In New Hampshire, floods have contributed to the adoption and expansion of the Fluvial Erosion Hazard (FEH) program within the state's flood management and protection strategy. In Arkansas, the members of the Silver Jackets Program in Arkansas have conducted a hydrologic study of gaged streams in the Presidential Disaster Declaration area as well as select streams in northwest Arkansas. This effort had begun long before an official charter was signed between the agencies involved.

- **Fluvial Erosion Hazards in New Hampshire**

Mr. Shane Csiki, NH Geological Survey, NH Department of Environmental Services

- **Silver Jackets Efforts After the 2011 Floods in Arkansas — Successes and Failures**

Mr. Chad Dulaney, USACE Little Rock District and Mr. Jaysson Funkhouser, US Geological Survey

■ Track #3b – Mitigation & Mitigation Planning: What's New in USACE Climate Change?

Location: Juniata

This session presents an update of how the USACE is approaching climate change and extreme events in the context of flood risk management. We'll cover the basics of climate change and variability, including potential changes to the intensity and frequency of extreme events, and USACE progress toward understanding and responding to climate change. USACE District climate change adaptation pilot projects and information on new and ongoing guidance updates also will be presented.

Dr. Jeff Arnold, USACE Institute for Water Resources

■ Track #4 – Tools for Flood Risk Management: Overview of USACE Flood & Coastal Systems Research and Development Program

Location: York

The USACE Flood & Coastal Systems Program seeks to deliver efficient and effective capabilities to plan, design, and improve water resources projects. A brief overview of the USACE R&D process, the current program, and the expected products in this and coming years will be presented.

Mr. Bill Curtis & Mr. Cary Talbot, USACE Engineer Research & Development Center

2012 USACE Flood Risk Management & Silver Jackets Workshop

12:00–1:30

Lunch & Information Sessions – Emerging Tools

Learn about existing tools and those in development during Lunchtime Information Sessions beginning at 12:00 and 12:45. Lunch is on your own, but you are welcome to bring your lunch to the sessions.

12:00 INFORMATION SESSIONS

■ SimSuite

Location: Susquehanna

Silver Jackets Pilot Project Experiences using SimSuite will be presented, followed by an overview of the SimSuite tool including real-world applicability to flood risk management and use by the Missouri River Flood Task Force (MRFTF).

- Mr. Chad Markin, USACE Institute for Water Resources
- Mr. Steve Diaz, USACE Mobile District/Readiness Support Center (RSC)
- Mr. Brian Rast, USACE Kansas City District and MRFTF
- Mr. Randy Behm, USACE Omaha District and MRFTF

■ National Weather Service Flash Flood Services

Location: Allegheny

Effective warning for flash flooding is extremely challenging given the localized nature and rapid onset of intense rainfall and the fast hydrologic response of small basins. All the steps in an effective warning process need to be completed in the least amount of time possible. With the opportunities presented by the Community Hydrologic Prediction System (CHPS), the resources of an Integrated Water Resources Science and Services (IWRSS) Program, and NOAA's new National Water Center facility, flash flood services delivery will most likely evolve significantly in the next 5 to 10 years.

Mr. Seann Reed, NOAA National Weather Service Middle Atlantic River Forecast Center

■ National Levee Database

Location: Delaware

The NLD is a living, dynamic information source that provides visualization and search capability for the first time on the location and condition of levee systems nationwide. The database includes attributes of levees and floodwalls relevant to flood fighting, design, construction, operation, maintenance, repair and inspection. Because the location and characteristics of levee systems can be viewed on a map with real-time data from other sources, such as stream gauges and weather radar, it is a useful tool for a variety of public agencies and individuals including flood plain managers, emergency management agencies, levee system sponsors, and citizens who live or work behind a levee.

Ms. Allyson Windham, USACE Engineer Research & Development Center

12:45 INFORMATION SESSIONS

■ Water Infrastructure Systems Data Manager (WISDM)

Location: Susquehanna

WISDM (formerly known as the Watershed Investment Decision Tool) is an interactive mapping application designed to foster understanding of our current infrastructure investments and operating environment and to assist users in visualizing possible future states. Presenters will demonstrate the tool and its applications.

Mr. Mark Sudol, USACE Institute for Water Resources

2012 USACE Flood Risk Management & Silver Jackets Workshop

■ Floodplain Management Services Database Program

Location: Allegheny

This presentation will cover the authorities and guidance on the FPMS program and how it could be leveraged by Silver Jackets teams. Under the FPMS program, Corps districts can provide technical assistance and responses to individuals and commercial or public entities on a fee for service basis. This assistance can be anything from flood zone determinations, review of construction projects for floodplain impacts, base flood elevation determinations, or other information requests. Huntington District uses an Access-based geospatial database (FPMSdb) to record and track efforts under the FPMS program.

Mr. Dan Bailey, USACE Huntington District

■ USACE Flood Risk Management Program and Silver Jackets Websites

Location: Delaware

The Corps of Engineers is redesigning the National Flood Risk Management Program and Silver Jackets websites. Redesign is informed by feedback obtained from surveys and various listening sessions, including one held with state partners involved with Silver Jackets Teams. The redesign will update existing content, develop more extensive links to program partners, and improve functionality and navigability. This brown-bag session will summarize key feedback received and the resulting changes anticipated, with particular focus on the Silver Jackets website, and will invite participants to offer their further observations and suggestions for enhancement.

Ms. Lisa Bourget, USACE Institute for Water Resources

1:30–2:30

Integrating Whole Community Benefits into Flood Risk Management and Flood Damage Reduction

Location: Plenary - Lancaster/Gettysburg/Carlisle

Moderator: Mr. Pete Rabbon, USACE Institute for Water Resources

- Mr. Jerry Skalak, USACE Rock Island District
- Mr. Tony Krause, USACE Omaha District
- Mr. Steve Graham, San Antonio River Authority

This session will share experiences in developing and implementing multi-objective projects. The projects described will incorporate a variety of community objectives such as environmental protection, housing, recreation, and stormwater management while managing flood risk. Speakers will discuss the circumstances that led to consideration of multi-objective projects, the challenges that were overcome, and the benefits that have been observed.

2:30–3:15

Regional Group Discussions

Workshop attendees will gather into regional breakouts for open discussion: What have you heard that prompts you to action? Who needs to be involved? What are next steps?

3:15–3:30

Break

2012 USACE Flood Risk Management & Silver Jackets Workshop

3:30–5:00

Concurrent Breakout Sessions

Breakout sessions will be organized along four tracks:

1. Communicating Risk & Taking Action
2. Efforts, Updates & Experiences with Mapping Tools
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■ Track #1 – Communicating Risk & Taking Action: Innovation and Collaboration in Communicating Flood Risk

Location: Susquehanna

Multi-agency efforts are highlighted that are using innovative and engaging methods for communicating flood risk. Presenters will provide examples of the products, how they were developed, and how you can use them in your communities.

- **Delaware River Basin Comprehensive Study – Silver Jackets Approach to Public Outreach**
Mr. Jason Miller, USACE Philadelphia District, Ms. Theresa Fowler, USACE Philadelphia District, and Mr. Joseph Ruggeri, New Jersey Department of Environmental Protection
- **National Weather Service and The Nurture Nature Center**
Ms. Patricia Wnek, NOAA National Weather Service and Ms. Rachel Hogan Carr, Nurture Nature Center

■ Track #2 – Efforts, Updates & Experiences with Mapping Tools: Experience from the Field

Location: Allegheny

Members from Silver Jackets Teams from Idaho, Pennsylvania, and Minnesota will highlight experiences with developing inundation maps for enhancing flood risk communications, providing planning assistance for emergency response during flood events, and empowering decision makers with information for mitigating the flood impacts on the Boise River (ID), Susquehanna River (PA), and St. Paul River (MN).

- **Harrisburg Flood Inundation Mapping Pilot Project – Many Agencies Working Together**
Ms. Stacey Underwood, USACE Baltimore District and Mark Roland, USGS
- **Flood Inundation Maps Linked to Real-time River Forecast and Observations**
Mr. Victor Hom, NOAA National Weather Service
- **Mississippi River at St. Paul Inundation Mapping and Flood Warning System Pilot Project**
Mr. Terry R. Zien, USACE St. Paul District, and Ms. Jennifer Nelson, Minnesota Homeland Security and Emergency Management

■ Track #4a – Tools for Flood Risk Management: Community Rating System

Location: Delaware

This session will continue recent efforts to provide basic information about the CRS program to the flood risk management and Silver Jackets communities. This will include information about what the program is and how it works, how communities enter the program, and basic information about the activities. This session will also interactively discuss ways in which the CRS and Silver Jackets programs complement each other. This will likely involve small group discussion and may focus on areas such as how to approach and work with communities, how

2012 USACE Flood Risk Management & Silver Jackets Workshop

Silver Jackets teams have already been involved with CRS communities, and which activities in the CRS Coordinator's Manual best lend themselves to involvement from Silver Jackets teams. Representatives of FEMA regional offices will be invited to discuss, from their perspective, what sort of involvement would be most helpful from USACE and Silver Jackets teams. This will move the group from just talking about coordination of the programs to developing ideas for how it could be done and showing what has been successful so far.

- Mr. Bill Lesser, Federal Insurance & Mitigation Administration, FEMA
- Mr. Tom Brett, Insurance Services Office, Pittsburgh, PA
- Ms. Mari Radford, FEMA Region III

■ Track #4b – Tools for Flood Risk Management: Post-Disaster Toolkit

Location: Juniata

This session will encourage discussion about the products that should be included in a "Post-Disaster Toolkit." This "Post-Disaster Toolkit" would compile resources for state representatives to assist them in understanding what funding sources, technical assistance, or other tools are available to best seize the opportunity to carry out mitigation activities in the aftermath of a disaster. This will be a group discussion focusing on what material or information already exists that may not be widely known or understood, and what information state representatives need to understand after a disaster event. Notes from the discussion will be used to help develop further products for inclusion in the Toolkit.

Moderator: Mr. Ed Thomas, Natural Hazard Mitigation Association

6:00–9:00

Certified Floodplain Manager Exam

Location: Juniata

Note: Participants must have pre-registered (two weeks in advance) with ASFPM to take the exam.

Friday, August 24, 2012

8:00–9:00

2011 Flood Recovery – The Benefits of Collaboration

Location: Plenary - Lancaster/Gettysburg/Carlisle

Moderator: Mr. Scott D. Whitney, USACE Mississippi Valley Division

- Mr. Bob Hainly, Office of Surface Water, U.S. Geological Survey & Interagency Recovery Task Force
- Ms. Beth Freeman, FEMA Region VII Regional Administrator; Missouri River Flood Task Force
- Ms. Maria DeLaTorre, Emergency Operations Chief, USACE Baltimore District

9:00–9:15

Break

2012 USACE Flood Risk Management & Silver Jackets Workshop

9:15–10:15

Concurrent Breakout Sessions: 2011 Experiences and Lessons Learned from the Field

The Workshop's final breakout sessions will focus on the experiences and lessons learned from the field during the 2011 flood season.

■ Irene and Lee, An Experience in the Northeast

Location: Susquehanna

- **USGS New Jersey Water Science Center Preparation and Response to Irene and Lee**

Ms. Heidi Hoppe, USGS New Jersey Water Science Center

- **An Assessment of Forecast Challenges During the Floods of Irene and Lee**

Mr. William J. Marosi, NOAA National Weather Service, Middle Atlantic River Forecast Center

■ 2011 Missouri River Flooding: Preparation & Recovery

Location: Allegheny

- **2011 Missouri River Flood and the Development of Miles of Inundation Maps as a Risk Reduction Tool**

Mr. Randall Behm & Ms. Colleen Horihan, USACE Omaha District

- **Value Engineering for Missouri River Emergency Levee Repairs**

Mr. Steve Bredthauer, USACE Northwestern Division

■ Responding to the 2011 Mississippi River Floods

Location: Delaware

- **Operation Watershed – Recovery: Responding to the Historic Mississippi River Flood of 2011**

Mr. Scott D. Whitney, USACE Mississippi Valley Division

- **A Retrospective of the USGS Flood-Response Activities for the 2011 Mississippi River Basin Floods**

Mr. Robert (Bob) A. Hainly, USGS

10:15–10:30

Break

10:30–11:30

Integrating Silver Jackets into the Joint Field Office and the Emergency Operations Center

Location: Plenary - Lancaster/Gettysburg/Carlisle

Moderator: Mr. Mark Slauter, Virginia Department of Emergency Management

- Mr. John Forr, Pennsylvania Emergency Management Agency
- Ms. Kelli Higgins-Roche, New York Silver Jackets
- Mr. Don Keldsen, Office of Federal Disaster Coordination, FEMA

Many states have an interagency group to address hazards, mitigation or recovery. While the group may be a Silver Jackets Team or a Hazard Mitigation Work Group, it is sometimes not closely connected with emergency management. At issue is how members of interagency teams can integrate into a state Emergency Operations Center (EOC) or the Joint Field Office (JFO). How do you engage the experts in your partnership? Part of the answer lies within understanding the purpose and structure of each. This session will briefly discuss the operational construct of an EOC and the recovery structure of a JFO, including how an EOC augments before a flood, responds during a flood, how the activities transition to the JFO for recovery, and how the JFO disbands. Areas of activity that may benefit from interagency team participation will be identified.

11:30–12:00

Wrap Up and Regional Group Future Initiatives

Mr. Ray Alexander, Deputy Chief, Homeland Security, HQUSACE