

Incorporating Resilience into FRM

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Deputy for Homeland Security

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US Army Corps of Engineers
BUILDING STRONG

Outstanding Achievements

- 2015 Flood Risk Manager of the Year
- 2015 Silver Jackets Coordinator of the Year
- 2015 Silver Jackets Team of the Year



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**USACE National Flood Risk Management Program
2015 Flood Risk Manager of the Year
Jason Miller, P.E.
PHILADELPHIA DISTRICT**

Mr. Jason Miller has demonstrated outstanding dedication to serving stakeholders and the citizens of floodplain communities while strengthening both internal and external partnerships as the Flood Risk Management Program Manager in the Philadelphia District. Mr. Miller's work ethic, versatility, attitude, dedication, leadership and vision have enabled an impressive integration of the many facets of Flood Risk Management. He personally fields as well as mentors others in Flood Plain Management Services requests for technical assistance and information; provides GIS support for public outreach; and fosters internal partnerships through the District Levee Safety Committee. Mr. Miller has also demonstrated outstanding commitment to fostering external partnerships through District representation on the Delaware River Basin Flood Advisory Committee, serving as the USACE lead for the New Jersey and Delaware Silver Jackets teams and support to the Pennsylvania team, attending FEMA Open House and Flood Risk Review meetings, as well as participating in the Interagency Coordinating Committee on Hurricanes. In addition, Mr. Miller presented at the Emergency Managers Forum and participated in the NJ Emergency Preparedness Conference as well as serving as the primary USACE lead for the 2014 Pennsylvania State Hazard Mitigation Plan (SHMP) update and reviewing the New York SHMP update. With the Pennsylvania Emergency Management Agency, Mr. Miller formed a Corps subcommittee with dam safety managers at 3 Corps Districts to share information. Under his leadership, the Philadelphia District Floodplain Management Branch has been recognized for its excellence by the Federal Emergency Management Agency (FEMA). FEMA's Region 3 office selected Mr. Miller's branch to develop non-regulatory mapping products, an important aspect of flood risk communication. Mr. Miller's efforts greatly reflect credit upon himself, the Philadelphia District, North Atlantic Division, and the U.S. Army Corps of Engineers.

2 October 2015

*Good
STAP!*

Karen Durham-Aguilera, P.E.

Director of Contingency Operations and Homeland Security



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**USACE National Flood Risk Management Program
2015 Silver Jackets Coordinator of the Year**

**Brandon Brummett, P.E.
LOUISVILLE DISTRICT**

Mr. Brandon Brummett has consistently demonstrated outstanding professionalism and commitment to collaboration in his role as the USACE lead for the Indiana and Kentucky Silver Jackets teams. He effectively builds and strengthens relationships and fosters trust between various agencies. Since its formation in 2006, agency representation on the Indiana team has doubled to over 30 members and Mr. Brummett regularly shares his expertise among teams and the USACE Flood Risk Management Community of Practice. Mr. Brummett has been instrumental in successfully communicating available USACE resources and leveraging partner funds, capabilities, and expertise in areas of flood risk mitigation, leading to a number of successful interagency projects including the development of a floodplain management guide for local citizens and governments, identification and outreach for non-levee embankments, Flood Inundation Map libraries throughout the state, regional mapping of potential streambank erosion zones and community assistance to sustainably place utilities, as well as the Emmy-award winning PBS documentary "When Every River Turned Against Us: Lessons from the Great 1913 Flood." Mr. Brummett's obvious enthusiasm and notable efforts greatly reflect credit upon himself, the Louisville District, Great Lakes and Ohio River Division, and the U.S. Army Corps of Engineers.

2 October 2015

*Good
SNAP!*

A handwritten signature in black ink, appearing to read 'Karen Durham-Aguilera'.

Karen Durham-Aguilera, P.E.

Director of Contingency Operations and Homeland Security



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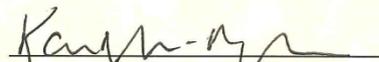
2015 Silver Jackets State Team of the Year

OREGON SILVER JACKETS TEAM

The Oregon Silver Jackets Team, a sub-committee of the State Interagency Hazard Mitigation Team, has made exemplary progress in flood risk management in the state and is a model for the Silver Jackets program. The team has collaboratively developed a Rapid Assessment of Flooding Tool to combine data available from multiple sources to estimate flood frequencies of recent and forecasted events across the state. This information is used to prioritize emergency preparedness and post-disaster activities, has benefits to levee safety activities, and is being expanded to incorporate several neighboring states as well. The team collectively outlined the Perishable Data Plan for Oregon invoked after flood events and is developing a Statewide Flood Hazard Layer database to provide a common location for historical data, floodplain mapping products and high water mark data accessible to all agencies. Further, the team has developed and participated in numerous public outreach activities with a focus on providing educational information directly to the public, including a 'one-stop-shopping' web page with multi-agency links for Oregon residents, a multi-agency state-wide flood awareness campaign based on the fiftieth anniversary of the devastating 1964 Christmas flood, and numerous community High Water Mark signs across the state. The significant contributions by Oregon's departments of Land Conservation and Development, Emergency Management, Water Resources and Geology and Mineral Industries along with FEMA, the USGS, National Weather Service, Natural Resource Conservation Service and the three USACE Districts greatly reflect credit upon themselves, the State of Oregon, and our shared Silver Jackets Program.

2 October 2015

Stellar!


Karen Durham-Aguilera, P.E.

Director of Contingency Operations and Homeland Security



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What Have We Heard?

- Resilience provides a framework - but don't wait for others to give you the answer
- Resilience is a journey
- Concepts of resilience provide many partner opportunities – find the drivers
- Think critically to identify and quantify all benefits of projects
 - ▶ Many benefits and many ways to quantify and monetize benefits
 - ▶ Think outside the box to find what is meaningful for your project



What Have We Heard?

- We are already engaged in supporting the development of enhanced resilience
 - ▶ Nonstructural flood risk management
 - ▶ Administration initiatives (i.e., Federal Flood Risk Management Standard)
 - ▶ Public Law 84-99
 - ▶ Levee Safety activities
- Resilience is more than hazard mitigation



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Top Down vs. Bottom Up

- Tools, frameworks and support provided from the top are helpful
- Locally-led initiatives pave the way



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Discussion

- Top down vs. bottom up: how can we meet in the middle?
- What follow up activities from HQ/IWR would be helpful?



Workshop Feedback

- Hard copy available in workshop packet
- Electronic version will be available on the FRM and SJ websites (within 2 weeks)
- FRM

<http://www.iwr.usace.army.mil/Missions/FloodRiskManagement/FloodRiskManagementProgram.aspx>

- SJ

<http://www.nfrmp.us/state/index.cfm>



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The Journey Continues



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