

Symposium: Building Flood Resiliency in West Virginia Communities

March 12-13, 2024

Holiday Inn & Suites, 400 2d Ave SW, Charleston WV 25303

Detailed Agenda



Tuesday, March 12, 2024

| Day | Time | Session | Location | Presenter(s) |
|----------------|---------------|---|------------|--|
| Tuesday | 8:00 – 9:00 | Registration Opens | | |
| Tuesday | 9:00 – 9:15 | Welcome and Introductions | Centennial | Jamie Shinn , Assistant Professor at SUNY College of Environmental Science and Forestry (SUNY-ESF) and West Virginia Flood Resiliency Framework Project Team |
| Tuesday | 9:15 – 9:30 | Overview of NSF Study & Symposium Goals | Centennial | Jamie Shinn , SUNY-ESF and WVFRF Project Team |
| Tuesday | 9:30 – 10:00 | State Flood Resiliency Plan | Centennial | Robert Martin , Director of the West Virginia State Resiliency Office (SRO) Edwin Martin , Deputy Director of the West Virginia State Resiliency Office (SRO) |
| Tuesday | 10:00 – 10:15 | Coffee & Tea Break | | |
| Tuesday | 10:15 – 12:00 | How to Plan for Everything Activity There are an endless number of disasters to worry about. Preparing for every possible disaster leaves you with a long, disorganized list of things to buy or do, which may not match personal needs. Preparation can seem unattainable. We check off the first few items | Centennial | Aaron Titus , Executive Director of Crisis Cleanup |

from our list, give up, and hope the zombies eat us first.

It's time to start preparing with two simple changes: First, Prepare for disruptions, not disasters. It doesn't matter whether a power outage was caused by a flood, backhoe, or someone backing into a pole. Just prepare for the power outage! **Preparing for a few disruptions will prepare you for any disaster.** You really can prepare for everything. Second, prepare together. We prepare better when we prepare together. How to Prepare for Everything gives you a simple, step-by-step approach to prepare yourself and your neighbors for emergencies, accidents, adventures, and life's ups and downs.

| | | | | |
|----------------|--------------|---|----------------|---|
| Tuesday | 12:00 – 1:00 | Lunch (provided) | Reception Hall | |
| Tuesday | 1:00 – 2:00 | Panel: Planning for the Disaster Response Cycle Panelists: Debbie Sizemore , President of Williamsburg Area Emergency Response Team (WART) Paula Brown , Deputy Director of Greenbrier County Homeland Security and Emergency Management Dave Lumsden , Disaster Response Coordinator for Episcopal Diocese of West Virginia | Centennial | Julian Levine (moderator), Director of Population Health & Community Engagement at West Virginia School of Osteopathic Medicine, Center for Rural and Community Health (WVSOM CRCH) and WVFRF Project Team |

Cathy Rennard, Former Disaster Case Management Supervisor for West Virginia Voluntary Organizations Active in Disaster (WV VOAD)

James Young, Disaster Field Coordinator for the Federal Emergency Management Agency,

Tim Keaton, NFIP/CTP Coordinator at West Virginia Emergency Management Division

Tammy Tincher, President County Commissioner for Greenbrier County

| Day | Time | Concurrent Sessions (3) | Location | Presenter(s) |
|----------------|-------------|---|------------|---|
| Tuesday | 2:00 – 3:00 | National Flood Insurance Program (NFIP) | Montgomery | Tim Keaton , National Flood Insurance Program (NFIP)/Cooperating Technical Partner (CTP) Coordinator at West Virginia Emergency Management Division (WVEMD) |
| Tuesday | 2:00 – 3:00 | Tools for comprehensive flood planning This session will briefly introduce legal and planning tools effective at reducing impacts from flooding. Tools include floodplain overlays, setbacks, floodplain ordinances, and non-regulatory tools such as deed restrictions. After introducing a variety of tools, hypotheticals will be discussed covering common questions. In addition, the panel will discuss HB 171 | Capitol | Katherine Garvey , Director of Land Use Law Clinic at West Virginia University (WVU) Jared Anderson , Land Use Attorney, Land Use Law Clinic at West Virginia University (WVU) |

impacting the regulation of agriculture with flood regulation as an example.

| | | | | |
|----------------|-------------|---|------------|--|
| Tuesday | 2:00 – 3:00 | Williamsburg Area Response Team (WART) | Centennial | Debbie Sizemore , President of Williamsburg Area Emergency Response Team (WART) |
| | | Nominated for two awards in the area of disaster response, the Williamsburg Area Emergency Response Team model is a program designed to help rural communities establish a local emergency crisis team. This nuts-and-bolts session aimed specifically at small towns and communities, will help participants think through what is needed before, during, and after a disaster. The session will describe one very rural community's effort to build and sustain capacity in the area of emergency response and will provide practical tips on how participants can build their own teams prior to a catastrophic event. | | |

Tuesday 3:00 – 3:15 **Coffee & Tea Break**

| Day | Time | Session | Location | Presenter(s) |
|----------------|-------------|---|------------|---|
| Tuesday | 3:15 – 4:15 | WV Flood Risk Assessment and Visualization Tools | Centennial | Kurt Donaldson Director of the West Virginia GIS Technical Center (WVGISTC) |
| | | The West Virginia GIS Technical Center will provide background on flood-related tools, such as the West Virginia Flood Tool, and in-progress data, mapping efforts, and application development as part of the West Virginia Flood Resiliency Framework. The Center hopes to encourage feedback and discussion on | | Aaron Maxwell Faculty Director for the WVGISTC, faculty member in the Department of Geology and Geography at WVU, and WVFRF Project Team Behrang Bidadian , Research Associate and |

existing tools and needs for landowners, flood mitigation professionals, and community leaders to understand risk and resiliency to flooding and plan for mitigation. They will generally discuss their contributions to the West Virginia Food Resiliency Framework and work moving forward.

GIS Analyst at the
WVGISTC

Annie Mahmoudi,
Graduate Research
Assistant and PhD student
funded by the WVGISTC

Tuesday 4:15 – 4:45

National Weather Service
Flood Inundation Mapping
Service

Centennial

The longstanding demand for event-driven flood inundation mapping (FIM) has increased dramatically in recent years as a high value source of actionable information for emergency and water resource managers to prepare, mitigate, and respond to flood impacts. In response, the National Water Center of the National Weather Service has developed and demonstrated high-resolution inundation modeling capabilities which complement and expand upon existing static FIM libraries providing geo-referenced visualizations of forecast flooding extent at the continental scale. These new inundation mapping capabilities translate analysis and forecasts of streamflow into operational maps that communicate impact by showing where flooding may occur.

Nicholas Webb, Senior
Service
Hydrologist/Meteorologist
National Weather Service

| | | | | |
|----------------|-------------|--|------------|---|
| Tuesday | 4:45 – 5:00 | Daily Recap, Reflections, Wednesday Agenda Preview | Centennial | Jamie Shinn , SUNY-ESF and WVFRF Project Team Aaron Titus , Executive Director of Crisis Cleanup |
| Tuesday | 5:15 – 6:30 | Social Event (appetizers provided) | | |

Wednesday, March 13, 2024

| Day | Time | Session | Location | Presenter(s) |
|------------------|--------------|---|------------|---|
| Wednesday | 9:00 – 9:15 | Day 1 Observations Summary | Centennial | Jamie Shinn , SUNY-ESF and WVFRF Project Team Aaron Titus , Executive Director of Crisis Cleanup |
| Wednesday | 9:15 – 10:15 | Cross Sector Disaster Simulation The Cross-Sector Disaster Simulation Game simulates cross-sector collaboration and coordination before, during, and after such disasters. Each person is assigned a role, such as government, for-profit company, non-profit organization, or community member. We coordinate on the local, state, and national level prior to the disaster. Once a disaster happens, everyone needs to work together to ship food, water, and medicine within three days. Each "day" is just a few minutes long. The fun (and anxiety) starts when plans, relationships, and competing priorities are challenged in a high-stress, chaotic environment. Afterward, we debrief and analyze the outcomes. | Centennial | Aaron Titus , Executive Director of Crisis Cleanup |

| | | | | |
|------------------|---------------|--|----------------|--|
| Wednesday | 10:15 – 10:30 | Coffee & Tea Break | | |
| Wednesday | 10:30 – 11:00 | Cross Sector Disaster Simulation Debrief | Centennial | Aaron Titus , Executive Director of Crisis Cleanup |
| Wednesday | 11:00 – 12:00 | Panel: Building Long-term Community Resiliency Panelists: Sarah Riley , Executive Director of High Rocks Brian Farkas , Federal Emergency Management Agency Interagency Recovery Coordinator with WV FEMA Integration Team Office (WVFIT) Debbie Sizemore , WART Jenny Gannaway , Executive Director of West Virginia Voluntary Organizations Active in Disaster (WV VOAD) Dave Lumsden , Episcopal Diocese of WV Robert Martin , SRO Tim Keaton , NFIP/CTP Coordinator at WVEMD Ruthana Beezley , Executive Director of Greenbrier Valley Economic Development Corporation | Centennial | Julian Levine (moderator), WVSOM CRCH and WVFRF Project Team |
| Wednesday | 12:00 – 1:00 | Lunch (provided) | Reception Hall | |
| Wednesday | 1:00 – 2:00 | Breakout Session 1 - Strengthening the WV Flood Resiliency Network | | Jamie Shinn (moderator), SUNY-ESF and WVFRF Project Team Julian Levine (moderator), WVSOM CRCH and WVFRF Project Team |

| | | | | |
|------------------|-------------|---|------------|--|
| | | | | Aaron Maxwell (moderator), WVGISTC, WVU, and WVFRF Project Team |
| Wednesday | 2:00 – 2:15 | Coffee & Tea Break | | |
| Wednesday | 2:15 – 3:15 | Breakout Session 2 - Building WV Community Flood Resiliency | | Jamie Shinn (moderator), SUNY-ESF and WVFRF Project Team Julian Levine (moderator), WVSOM CRCH and WVFRF Project Team Aaron Maxwell (moderator), WVGISTC, WVU, and WVFRF Project Team |
| Wednesday | 3:15 – 3:45 | Presentation with Q&A: Building & Maintaining the West Virginia Flood Resiliency Framework | Centennial | Jamie Shinn , SUNY-ESF and WVFRF Project Team Robert Martin , SRO Aaron Maxwell , WVGISTC, WVU, and WVFRF Project Team |
| Wednesday | 3:45 – 4:00 | Closing Remarks | Centennial | Jamie Shinn , SUNY-ESF and WVFRF Project Team |

Thank you for coming! Please take our post-symposium survey by scanning the QR code or visiting <https://tinyurl.com/WVFRFsymposium>.

