

2025 APWA Stormwater Conference Technical Agenda

Crowne Plaza Resort | Asheville, NC | September 28-30

SUNDAY, SEPTEMBER 28TH

1:00 – 4:00 **VOLUNTEER CLEANUP EVENT w/ ASHEVILLE GREENWORKS**

5:00 – 7:00 **REGISTRATION, Crowne Plaza Resort Expo Center**

6:00 – 8:00 **SUNDAY SOCIAL, Expo Center Veranda**

MONDAY, SEPTEMBER 29TH

7:00 – 8:00 **REGISTRATION & CONTINENTAL BREAKFAST**

WELCOME & KEYNOTE – GRAND BALLROOM A/B/C

8:00 – 8:15 **Welcome**

- Chip Vanderzee, 2025 APWA-NC Chapter President

- Jon Aldridge, 2025 APWA-NC Stormwater Management Division President

8:15 – 8:45 **Keynote Speaker**

- Dave Michelson, NEMAC, University of North Carolina Asheville

REGULATORY & LEGISLATIVE UPDATES – EXPO CENTER

8:45 – 9:40 **North Carolina Stormwater Regulatory Update**

- Isaiah Reed, NC Department of Environmental Quality

9:40 – 10:00 **North Carolina Legislative Update**

- Erin Wynia, NC League of Municipalities

10:00 – 10:30 **BREAK WITH PARTNERS, EXHIBIT HALL**

GENERAL SESSION I – EXPO CENTER

10:30 – 12:00 **Managing and Leading Through a Disaster**

- Avril Pinder, Buncombe County

Stream and Floodplain Restoration Lessons Learned Following 2024 Helene Flooding in Western North Carolina

- Greg Jennings, Jennings Environmental

Inside Asheville Public Works Response to Helene

- Derek Wainscott, City of Asheville

12:00 – 1:30 **LUNCH AND DOOR PRIZES, EXHIBIT HALL
AWARD PRESENTATION**

- H. Rooney Malcom Stormwater Professional of the Year

PARALLEL SESSIONS

FUNDING, MITCHELL + ROAN ROOM

1:30 – 3:00 **MS4 Compliance and Funding Strategies in Small NC Communities**

- Christina Conchilla, Raftelis

Strategies for Identifying and Funding Increasing Stormwater Needs - Tales (and Lessons Learned) from a Growing Suburban Town

- Todd Huntsinger, Town of Indian Trail | Neal Banerjee, Freese and Nichols

Visible Progress, Lasting Impact: Replacing Aging Infrastructure in Clemmons

- Emily Harrison, Village of Clemmons

RESILIENCY, PISGAH + PILOT ROOM

1:30 – 3:00 **Leveraging ArcGIS Online and Field Maps for Long-Term Stormwater Resilience**

- David Hursey, Kimley-Horn

Resiliency in Ocracoke Village: Stormwater Master Planning on a Barrier Island

- Anna Brand, Geosyntec

Storm Resources for Improving Disaster Response & Resiliency

- David Duncan, Timmons Group

STORMWATER SOLUTIONS, BLUE RIDGE ROOM

1:30 – 3:00 **Revolutionizing Stormwater Management: Harnessing AI for Automated Defect Coding**

- Kelly Alexander, HDR | Samantha Pierce, SewerAI

Testing the Waters: How Collaborative Field Monitoring in North Carolina is Shaping the Future of Stormwater Technology

- Shane Decker, Oldcastle Infrastructure

Precast Stormwater Solutions

- Maura Newell and Sean Agans, Rotondo Environmental Solutions

3:00 – 3:30 **BREAK WITH PARTNERS, EXHIBIT HALL**

PARALLEL SESSIONS

PROGRAMMATIC, MITCHELL + ROAN ROOM

3:30 – 5:00 **Innovative Project Delivery with Public/Private Partnerships**

- Stewart Edwards and Matt Gustis, City of Charlotte

The Funny Thing About Stormwater: Using Humor to Improve Efficacy in Public Education Programs

- Anna Smith, City of Durham

A Model for Excellence in Stormwater Management Advisory Commissions – Raleigh's SMAC

- S. Wayne Miles, City of Raleigh | Graham H. Smith, Nicola Hill, Samantha Krop, Raleigh SMAC

GREEN STORMWATER INFRASTRUCTURE, PISGAH + PILOT ROOM

3:30 – 5:00 **Harvesting Rainwater??**

- Eddy Regalado, City of Charlotte

From Plan to Pavement: Real-World GSI Maintenance Lessons for Public Works

- Mike Huffman, City of Hendersonville | Julie Ball, Ferguson

Optimizing Urban Water Quality: Filtration Bench Retrofits in Existing Stormwater Systems

- Amy Black and Emily Jennings, SEH Inc.

FLOOD MODELING, BLUE RIDGE ROOM

3:30 – 5:00 **Integrating Field Data into HEC-RAS for Improved Constructed Stormwater Wetland Outflow Predictions**

- Blake Cary, Tetra Tech

Hydrodynamic Modeling of Hurricane Matthew Flooding in Eastern North Carolina Using HEC-RAS 2D and ArcGIS Pro

- Yared Michael Gebregziabher, NC A&T University

Modeling Turbulent Flow on Steep Slopes: Western North Carolina Case Studies Using HEC-RAS 2D, SRH-2D, and Computational Fluid Dynamics (CFD)

- Kristen Navaroli and Jon Becker, WSP

EDUCATION, EXPO CENTER

3:30 – 5:00 **Wendi & Friends 5.0 – Stormwater Education Tools Round Robin**

- Wendi Hartup, Town of Knersville

EVENING SOCIAL GATHERING

5:30 – 7:30 **MONDAY SOCIAL, Restoration Rooftop, 68 Patton Ave**

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TUESDAY, SEPTEMBER 30TH

7:30 – 8:30 CONTINENTAL BREAKFAST

PARALLEL SESSIONS

PARTNERSHIPS, MITCHELL + ROAN ROOM

- 8:30 – 10:30
- ◆ Regional Stormwater Partnerships
- Kari Raburn and Emily Barrett, Regional Stormwater Partnership of the Carolinas
 - ◆ One Road, Many Voices: Planning for Safety in Saralyn
- Fred Royal, Royal Water Resources, PLLC
 - ◆ From Historical Problems to Modern Solutions: Turning the Tide on Nutrient Pollution in Aquatic Ecosystems
- Kari Dappen, Freese and Nichols
 - ◆ Hurricanes and Partnerships, a Stormwater Planning Study
- Alisha Goldstein and David Perry, WithersRavenel

STREAM RESTORATION, PISGAH + PILOT ROOM

- 8:30 – 10:30
- ◆ Blounts Creek Stream Restoration and Bridge Replacement - How \$21M of Investment is Reshaping Downtown Fayetteville
- Kimberly Seddon, Arcadis
 - ◆ Construction Lesson Learned at Streambank Stabilization Sites for City of Greensboro, NC
- Amit Sachan, Marie Hauser, AtkinsRéalis | Blake Strumbel, City of Greensboro
 - ◆ Riverside Resilience: Streambank Stabilization for Infrastructure Protection
- Lydia Ward, Edith Peters, Freese and Nichols | Donna Beck, City of Winston-Salem
 - ◆ Permitting Puzzles: Floodplain Analysis with Drainage Design
- Kevin Chapman and Bill Price, Hazen and Sawyer

ASSET MANAGEMENT, BLUE RIDGE ROOM

- 8:30 – 10:30
- ◆ The Need for Strategic Stormwater Asset Management Tools and Guidance
- Mark VanAuken, Arcadis
 - ◆ Simulate Your Strategy: How Charlotte is Forecasting Future Risk Levels to Refine Asset Management Strategies
- Cooper Goodman, City of Charlotte
 - ◆ Progressing Towards Stormwater Asset Management: A Case Study of the Town of Garner Program
- Jaclyn Stannard, Town of Garner | David Mason, CDM Smith
 - ◆ Going from a Junk Pile to Gold Mine
- Gregory Cole, UNC Charlotte | Craig Schneider, VHB

10:30 – 11:00 BREAK WITH PARTNERS, EXHIBIT HALL

PARALLEL SESSIONS

3:15 – 3:3

PLANNING, MITCHELL + ROAN ROOM

- 11:00 – 12:30
- ◆ North Carolina Flood Resiliency Blueprint: Supporting Data-Driven Planning at the Local and River Basin Scale
- Stuart Brown, NCDEQ
 - ◆ Twists, Turns, and Tailwaters: Navigating the Leap from Master Plan to Implementation
- Samantha Illies and Nolen Anderson, Kimley-Horn
 - ◆ Transforming Stormwater Management: Raleigh's Integrated Watershed Plans
- Stephanie Hanses, Stephanie MacDurmon, City of Raleigh | Lori Visone, CDM Smith

COMMUNITY, PISGAH + PILOT ROOM

- 11:00 – 12:30
- ◆ ARPA-Funded and Community-Centered: Turning Stormwater Challenges Into Shared Public Resources
- Ashton Walker, Town of Mooresville | Alex McMillan, Ardurra
 - ◆ Building Community Networks Around Small-Scale Stormwater Projects
- Mike Dupree and Kevin Boyer, Urban Sustainability Solutions
 - ◆ Parks & Recreation Facilities as a Stormwater Management Tool
- Thomas Shay, Woodard & Curran

CAPITAL INFRASTRUCTURE PROJECTS, BLUE RIDGE ROOM

- 11:00 – 12:30
- ◆ Emergency Repair 101 – Preparing for the Future
- David Kiker, Kyle Bucher, City of Raleigh | Marc Horstman, Ardurra
 - ◆ Town of Apex Stormwater AIA Updates
- Jessica Bolin, Town of Apex | Nirit Finkelshin, Max Grogan, McAdams
 - ◆ Hanging Moss Trail Culvert Replacement: A Case Study from a Small Town Perspective
- Steve Frey, Town of Mint Hill

12:30 – 1:30 LUNCH AND DOOR PRIZES, EXPO CENTER

GENERAL SESSION II – GRAND BALLROOM A/B/C

- 1:30 – 3:00
- ◆ Integrating Flood Warning and Planning Tools to Enhance Resilience Planning
- Kurt Golembesky, NCDOT
 - ◆ Overview of Data and Tools Created to Support Future Flood Resilience
- Jared Bowden, NC State Climate Office
 - ◆ NC State University Research Updates
- Dr. Bill Hunt III, NC State University
- 3:00 – 3:15
- ◆ AWARD PRESENTATION
- Stormwater Projects of the Year
- 3:15 – 3:30
- ◆ CLOSING & GRAND PRIZE DRAWING