

Arkansas Water Resources Conference 2023

Agenda for July 18 – July 20, 2023

Day 1 – July 18 | Session Theme: Water Research and Nonpoint Source Program

9:00 AM	Welcome	Brian Haggard, AWRC
9:05 AM	Taking Edge-of-Field Water Quality Monitoring to the Next Level	Shannon Speir, CSES, UA
9:30 AM	Changing the Paradigm of Water Quality Modeling in the Age of Big Data and Machine Learning	Rebecca Muenich, BAEG, UA
9:55 AM	Tailoring Nanomaterials for Today's Water Treatment	Lei Guo, CVEG, UA
10:20 AM	Unmanned Aerial Vehicles as Autonomous Water Quality Monitoring Platforms	Cengiz Koparan, AECT, UA
10:45 AM	Lake Fayetteville Water Quality Update	Aaron Boll, Olsson
11:10 AM	Misinformation, AI and Environment	Kent Thornton, FTN
11:30 AM - 1:00 PM	Lunch & Networking	
1:00 PM	Arkansas Nonpoint Source Pollution Program Session Introduction and US EPA	Tate Wentz, ADA NRD Jim Drake, EPA
1:05 PM	Update on the 2024-2029 Nonpoint Source Management Plan	Philip Massier, FTN
1:25 PM	Watershed Management Plan Development Progress Report	Allen Brown, ADA NRD
1:45 PM	Arkansas Unpaved Road Program: Five Year Summary	Kevin McGaughey, ADA NRD
2:05 PM	Advancing Stream Barrier and Unpaved Road Remediation in the Interior Highlands	Jeff Fore, TNC
2:25 PM	Teamwork for Stream Work: A Conservation Partnership with Regional Implications	Aaron Norton, AGFC
2:25 PM – 3:15 PM	Break & Networking	
3:15 PM	Arkansas Septic Tank Pilot Projects in NWA	Shelly Smith, H2Ozarks
3:30 PM	Arkansas Nutrient Reduction Strategy Update	Katie Mann, ADA NRD
3:45 PM	StreamSmart Citizen Science: A Valuable Resource for Water Quality in Northwest Arkansas	Carrie Love, H2Ozarks
4:00 PM	AGFC Stream Team: A 25-Year Review	Tim Burnley, AGFC
4:15 PM	Arkansas Lake Watch: An Arkansas Citizen Science, Water-Quality Monitoring program	Reed Green, CAMN
4:30 PM	Data Use in the 303(d)/305(b) Process	Brie Olsen, ADEQ
4:45 PM	END DAY 1 Presentations	

***** Evening Social Event: Marley's Pizzeria & Bar – 609 W Dickson St. #103 – 6:00 pm*****

Day 2 – July 19 | Session Theme: Statewide Topics

8:30 AM	Welcome, Collaboration between Forest and Water Industries	Chandler Barton, ADA Forestry
8:40 AM	Review of EPA PFAS Health Advisory, Implications for Regulation, Watershed Sources, and Potential Impacts on Arkansas Drinking Water Sources	Joe Martin, ADEQ
9:00 AM	Potential Impacts of Land and Hydrologic Change on Species of Greatest Conservation Need in the Illinois River Watershed	John Tyler Fox, TNC
9:20 AM	Conducting Surveys for Microplastics in Beaver Lake	Jarrold Phillips, BWD
9:50 AM	Priorities and Changes in Source Water Protection Funding	Raven Lawson, CAW
10:10 AM - 10:30 AM	Break & Networking	
10:30 AM	Groundwater Quality Modeling: Leveraging State and Federal Datasets	Dr. Kathy Knierim, USGS
10:50 AM	2022 AR Groundwater Protection and Management Report	Blake Forrest, NRD
11:10 AM	Growing Forests for Healthy Water in Arkansas	Joe Fox, Former State Forester
11:30 AM	Communicating the Forest-Water Connection	Zach Clifton, Keeping Forests
12:00 PM - 1:30 PM	Lunch, Posters, Networking	
1:30 PM	Panel Discussion: Financing Conservation Easements as a Tool for Water Quality <i>Panel Facilitator: Becky Roark, BWA</i>	James McCarty, BWD Bryan Rupar, CAW Pam Nelson, NWALT Jeff Miller, AECT, UA
2:30 PM	Prescribed Fire in Watersheds = Improved Water Quality	Julia Defeo, FREC, VTU
2:50 PM	Arkansas' Qualified Prescribed Burner Law	Robert Murphy, ADA
3:05 PM	Break & Networking	
3:35 PM	Productive Forests Protecting Water Program	Kyle Cunningham, ADA Forestry
4:05 PM	Arkansas Silvicultural Non-Point Source Project	John Beasley, ADA Forestry
4:20 PM	Poison Springs Complex Road Infrastructure Stabilization	Aaron Williams, ADA Forestry
4:35 PM	END DAY 2 Presentations	

Thank you to the following 2023 Conference Sponsors & Exhibitors!



Day 3 – July 20 | Session Theme: Local/Small-scale Watershed Focus

9:00 AM	State of Water Quality in Northwest Arkansas Region	Brian Haggard, AWRC
9:25 AM - 10:30 AM	Panel: Sediment & Nutrient Management – Priorities for Watershed Group Work, Lessons Learned, Looking Ahead <i>Panel facilitator: Dr. Brian Haggard, AWRC</i>	Leif Kindberg, IRWP Becky Roark, BWA Teresa Turk, BRWA Tanya Vineyard, SRWA
10:30 AM - 11:00 AM	Break	
11:00 AM - 12:00 PM	Breakout Group Discussion: What Are Your State Priorities for Water Resources Management?	Facilitated by Leif Kindberg, IRWP
12:00 PM	Wrap-up & Closing Remarks	
	To-go Lunch - Brownbag Special	

Outdoor Recreation Options Day 2 – Must be Registered*

- 1) **Sunset Kayaking Tour, 7:00 – 9:00 pm, Prairie Creek, Beaver Lake**
- 2) **Sunset Pontoon Cruise, 7:00 – 9:00 pm, Prairie Creek, Beaver Lake**
- 3) **Evening Hike, 6:00 – 7:30 pm, Kessler Regional Mountain, Fayetteville**

Outdoor Recreation Options Day 3 – Must be Registered*

- 1) **Illinois River Float, 1:00 – 5:00 pm, Kayak Park, Siloam Springs**
- 2) **War Eagle Cavern Tour, 1:30 – 3:30 pm, Rogers**

**Maps and details were provided for those who registered for selected options.*

Thank you for attending the 2023 Arkansas Water Resources Conference!

