



## TUESDAY, APRIL 4, 2023

7:30 - 8:30 **REGISTRATION (Light Breakfast included)**

### MORNING SESSION

<b>Plenary Session (Exhibition Hall)</b> <b>Moderator: Julie Chambers, Oklahoma Water Resources Board</b> <i>TBD</i>			
8:30 - 9:30	Sarah Hill, Cherokee Nation		
<b>BREAK - EXHIBITION AREA</b>			
<b>Session A1 - Algae I (Room 108)</b>	<b>Session B1 - Watershed/Environmental Monitoring (Room 109)</b>	<b>Session C1 - Modeling (Room 101)</b>	
<b>Moderator: Steven Nikolai, Grand River Dam Authority</b>	<b>Moderator: Kevin Wagner, Oklahoma State University</b>	<b>Moderator: Brad Rogers, Oklahoma Conservation Commission</b>	
10:00 - 10:25	<i>Using early warning buoys to detect cyanobacteria bloom formation in Grand Lake, Oklahoma</i> (Bill Mausbach-Grand River Dam Authority)	<i>Assessing the influence of regenerative agricultural practices on runoff water quality and soil health in Altus, OK</i> (Jack Edwards-Oklahoma State University)*	<i>Introduction to OK HAWQS and its role in enhancing watershed analysis for Oklahoma</i> (Brad Rogers, OCC)
10:25 - 10:50	<i>Insights from an intensively sampled, long lived cyanobacteria bloom at Grand Lake, Oklahoma</i> (Bill Mausbach-Grand River Dam Authority)	<i>Causal assessment of wildfire effects on stream ecosystems in western Oklahoma</i> (Christopher Hargis-Oklahoma Water Resources Board)	<i>OK HAWQS</i> (Katie Mendoza, Texas A&M Agrilife)
10:50 - 11:15	<i>Vertical Shifts in phytoplankton community composition of a central Arkansas reservoir</i> (Felicia Osburn-University of Central Arkansas)	<i>Performance-based erosion and sediment control designs to reduce sediment pollution from DOT construction</i> (Jamie Schussler-Oklahoma State University)	<i>Assessment of pond creek watershed using OK HAWQS</i> (Kaitlyn Joy-Oklahoma State University)*
11:15 - 11:40	<i>Using Long Term [ ] Data to Explore [ ] Spatiotemp. and Physiochem. drivers on Phytoplankton Comm. Structure and Biomass</i> (Jasmine Stovall-Baylor University)*	<i>Review of Climate Change Projections in Small Watersheds</i> (Sonika Poudel-Oklahoma State University)*	<i>Quantifying the potential impacts of wastewater recuse on stream flow using a HAWQS-Based SWAT analysis</i> (Shadi Fathollahifard-University of Oklahoma)*
11:45 - 12:45 <b>LUNCH (included)</b>			

### AFTERNOON SESSION

<b>Session A2 - Algae II (Room 108)</b>	<b>Session B2 - Bacteria/Watershed Monitoring (Room 109)</b>	<b>Session C2 - Data Science (Room 101)</b>	
<b>Moderator: Buck Ray, Olsson</b>	<b>Moderator: Jason Vogel, University of Oklahoma</b>	<b>Moderator: Jason Childress, Oklahoma Gas and Electric</b>	
12:45 - 1:10	<i>CyAN characterization of harmful algal blooms in ok 2017-2022</i> (Kelly Hendrix-Oklahoma State University)*	<i>Insights from the Grand River Dam Authority's microbial source tracking program</i> (Dustin Browning-Grand River Dam Authority)	<i>Using a shiny app to share water quality data with the public</i> (Joseph Dyer-Oklahoma Conservation Commission)
1:10 - 1:35	<i>The role of climate change in the proliferation of freshwater harmful algal blooms in inland waterbodies of the United States</i> (Yvette Wiley-South Central Climate Adaptation and Science Ctr.)	<i>Investigation of environmental factors and enumeration methods for assessing Enterococcus in Oklahoma streams</i> (Grant Graves-University of Oklahoma)*	<i>Square peg, round hole: developing a data structure for NRSA habitat data in the water quality exchange</i> (Brandi Easton-Oklahoma Water Resources Board)
1:35 - 2:00	<i>Growth and ionome-wide responses of phytoplankton to relative supplies of nitrogen, phosphorus, and trace metals in Grand Lake</i> (Yetkin Ipek-Oklahoma State University)*	<i>Increasing pH Trends In east Texas reservoirs: why? how? And, what's next?</i> (Randy Rushin, Water Monitoring Solutions, Inc.)	<i>Lacustrine wetlands: refining identification in NWI though modern dataset mapping and risk-stressor assessment</i> (LeAnna Kilhoffer-Oklahoma Water Resources Board)
2:00 - 2:25	<i>Is magnesium supply relevant for algal growth and stoichiometry?</i> (Parna Ghosh-Oklahoma State University)*	<i>Evaluation of Blue Thumb: Oklahoma's water-monitoring citizen science program</i> (Cheyanne Olson-Rogers State University)*	<i>Increases in stream drying and habitat fragmentation due to climate change in Great Plains stream networks</i> (Megan Malish, University of Oklahoma)*
2:30 - 3:30 <b>POSTER SESSION - EXHIBITION AREA</b>			
<b>Session A3 - Macroinvertebrates (Room 108)</b>	<b>Session B3 - Fish (Room 109)</b>	<b>Session C3 - Modeling and Tech (Room 101)</b>	
<b>Moderator: Rebecca Bond, Oklahoma Conservation Commission</b>	<b>Moderator: Joseph Dyer, Oklahoma Conservation Commission</b>	<b>Moderator: Lance Phillips, Oklahoma Water Resources Board</b>	
3:30 - 3:55	<i>To bugging out: Examining seasonal changes in macroinvertebrate communities in Town Branch Creek, Tahlequah, OK</i> (Viktoria Stallings-Northeastern State University)*	<i>Fish and season alter macroinvertebrate communities in recently flooded ponds</i> (Gabrielle Jones-Oklahoma State University) *	<i>SWAT Simulations of ET and NPP for grassland watersheds in the southern Great Plains</i> (Lei Qiao-Oklahoma State University)
3:55 - 4:20	<i>Macroinvertebrates prefer native Quercus stellata leaf litter over invasive Ailantus altissima leaf litter</i> (Keegan Stallings-Northeastern State University)*	<i>Fishes of Crutcho Creek (central Oklahoma) in 2022 compared to 2011</i> (Edie Marsh-Matthews-University of Oklahoma)	<i>Functional and predictive performance of a process-guided deep learning model for in stream dissolved oxygen</i> (Jeff Sadler-Oklahoma State University)
4:20 - 4:45	<i>Macroinvertebrate and water quality trends in the Illinois River watershed</i> (Holly Wren-Illinois River Watershed Partnership)	<i>Centipede Nets: Analysis of a commercial fishing gear for sampling mangrove-dwelling fishes</i> (Tanner Scholten-Oklahoma State University)*	<i>OWRB water levels using pressure sensors</i> (Anthony Huey-Oklahoma Water Resources Board)
5:00 - 7:00 <b>MIXER (Appetizers and Cash Bar)- EXHIBITION AREA</b>			

\*Indicates student presenter



## WEDNESDAY, APRIL 5, 2023

7:30 - 8:00 **REGISTRATION (Light Breakfast included)**

### MORNING SESSION

#### Networking Time (Exhibition Hall)

8:00 - 8:50 Enjoy the coffee, bagels, exhibitors, and networking!

#### Session A4 - Blue River I (Room 108)

**Moderator: Barney Austin, Aqua Strategies**

8:55 - 9:20 *The Historic Water Settlement*  
(Stephen Greetham, Chickasaw Nation)

9:20 - 9:45 *Blue River Ecology, Tourism, and Recreation*  
(Ken Cunningham, Oklahoma Department of Wildlife Conservation)

9:45 - 10:10 *The Value of the Blue River*  
(Ken Wagner, Oklahoma State University)

10:10 - 10:35 *Arbuckle Simpson and Blue River Symbiosis*  
(Todd Halihan, Oklahoma State University)

#### Session B4 - Poteau River (Room 109)

**Moderator: Steve Patterson, Bio X Design**

8:55 - 9:20 *Lake Wister and the Poteau River Watershed 2023*  
(Steve Patterson, Bio x Design)

9:20 - 9:45 *The Arkansas Poteau River Watershed Management Plan and Implementation*  
(Nicki Johnson, Alliance Engineering Services)

9:45 - 10:10 *Rapid Methodology to Assess Sediment and Nutrient Loading from Streambank Erosion in the Poteau River Watershed*  
(Greg Phillips, Alliance Engineering Services)

10:10 - 10:35 *Fourche Maline Creek: Diverse and Impaired*  
(Nathan Carter, Oklahoma Conservation Commission)

#### Session C4 - Management (Room 101)

**Moderator: Jeri Fleming, Grand River Dam Authority**

8:55 - 9:20 *Bridging Ecology and Engineering to Develop Nature-Based Solutions for Watershed Sustainability*  
(Robert Nairn, University of Oklahoma)

9:20 - 9:45 *Learning from resource managers: Opportunities to develop and improve spatial layers needed for watershed planning*  
(Rebecca Veiga Nascimento-University of Oklahoma)

9:45 - 10:10 *Improving Water Quality and Addressing HABS with In-Lake Management*  
(Ryan Van Goethem, EutroPHIX)

10:10 - 10:35 *Landowners; Perceptions of Conservation Easements: Implications for Effective Persuasive Communication*  
(Caitlin Cooper, University of Arkansas)\*

### 10:35 - 10:45 BREAK - EXHIBITION AREA

#### Session A5 - Blue River II (Room 108)

**Moderator: Barney Austin, Aqua Strategies**

10:45 - 11:10 *Science In Action On The Blue River*  
(Duane Smith, Oka' Institute, East Central University)

11:10 - 11:35 *Blue River: Soil Sampling and Watershed Activities*  
(Amy Seiger and Chaylum Hogue, Chickasaw Nation)

11:35 - 12:00 *Panel Discussion*  
(Stephen Greetham, Ken Cunningham, Ken Wagner, Duane Smith, and Steve Roy)

#### Session B5 - Outreach I (Room 109)

**Moderator: Shanon Phillips, Oklahoma Conservation Commission**

10:45 - 11:10 *There is no "me" in water quality. How working together is improving water quality.*  
(Jeri Fleming, Grand River Dam Authority)

11:10 - 11:35 *Introducing Citizen Science in Your Water Education and Outreach Programs*  
(James Pendred\*, Cheyanne Olson\*, Nicole Colston -Oklahoma State University)

11:35 - 12:00 *A Few Words from the Carolina Parakeet*  
(Cheryl Cheadle, Oklahoma Conservation Commission)

#### Session C5 - Outreach II TBD (Room 101)

**Moderator: Greg Kloxin, Oklahoma Conservation Commission**

10:45 - 11:10 *Urban Stream Proud: Wolf Creek, my Home Says the Dragonfly*  
(Kurtis Koll, Upper Iowa University & Oklahoma Blue Thumb)

11:10 - 11:35 *Nonpoint Source and Emerging Contaminants Project Funding Opportunities for Your System*  
(Tonya White, Oklahoma Water Resources Board)

11:35 - 12:00 *Roots & Shoots of a Floating Wetlands Workshop*  
(Michele Loudenback, City of Norman; Steve Patterson, BioXDesign)

12:00 - 1:00 **LUNCH (included) - OCLWA General Membership Meeting**

1:00 p.m. **ADJOURN CONFERENCE - THANK YOU!**