

28th Annual Oklahoma Clean Lakes and Watersheds Association Conference

WEDNESDAY

April 3, 2019

7:30 - 8:30 REGISTRATION

MORNING SESSION

Plenary Session (Auditorium)
Moderator: Monty Porter, OWRB
Focus On the Illinois River

8:30 - 9:45 Ed Fite, GRDA

9:45 - 10:15 **BREAK - EXHIBITION AREA**

10:15 - 10:40	Session A1 - Riverine Ecology (Room 108) Moderator: Jason Childress, OG&E <i>Getting to the Root of Erosion – Dendrogeomorphology as a Streambank Erosion Assessment Tool</i> (Stephen Norair II, P.G., Freese and Nichols, Inc.)	Session B1 - Restoration (Room 109) Moderator: Dr. Jason Vogel, OU-OWS <i>North Canadian River Restoration</i> (Rick Besancon, Burns & McDonnell Engineering Company, Inc.)	Session C1 - Illinois River (Auditorium) Moderator: Bill Cauthron, OWRB <i>Evolution of Implementation of Oklahoma’s Scenic River Total Phosphorus Criterion</i> (Monty Porter, OWRB)
10:40 - 11:05	<i>Trends in Flows for the Red River Basin in Southeast Oklahoma</i> (Barney Austin, Aqua Strategies)	<i>Factors Impeding Efficient Functionality of Community Operated Urban Water Schemes: The Experience of Kisumu Kenya</i> (Dr. Erick Ananga & Dr. Charles Peaden, ECU)	<i>Ecological Assessment of Impaired Subwatersheds of the Upper Illinois River</i> (Dr. Nicole Hardiman, Illinois River Watershed Partnership)
11:05 - 11:30	<i>Diversity, Ecological Function, and Conservation Status of Riverine Turtles in Oklahoma: An Overview for Water Resource Managers</i> (Dr. Tim Patton, SEOSU)	<i>Dissecting the Lake Urmia Disaster</i> (Dr. Ali Mirchi, OSU)	<i>Tyner Creek Watershed Stream Stability Assessment</i> (Reza Khakpour, Olsson & Dr. Russell Dutnell, Riverman Engineering)
11:30 - 11:55	<i>An Ecological Tour of Oklahoma Through the Eyes of an Environmental Specialist</i> (Christopher Hargis, OWRB)	<i>A Review of Lake Urmia Restoration Proposals</i> (Raana Koushki, OSU Student)	<i>Oklahomans' Perspectives on Water Issues: A Comparative Study</i> (Dr. Kevin Wagner, OSU-OWRC)

12:00 - 1:00 **LUNCH (included)**

AFTERNOON SESSION

1:00 - 1:25	Session A2 - Education (Room 108) Moderator: Dr. Rebecca Bond, OCC <i>Blue Thumb: What's in the Dash 1992 – 2019</i> (Dr. Kurtis Koll, OCC Blue Thumb Volunteer)	Session B2 - Invasives (Room 109) Moderator: Dr. Brad Rogers, OCC <i>Zebra Mussel Population Dynamics in Sooner Lake, OK</i> (Caleb Lincoln Biles, OSU Student)	Session C2 - Limnology (Auditorium) Moderator: Paul Koenig, OWRB <i>Temporal and Spatial Variability of Limnological Properties in a Great Plains Reservoir: Observations from a First Year of Sampling</i> (Jonathan West, OWRB)
1:25 - 1:50	<i>Blue Thumb Water Quality in Public Schools</i> (Ted Daniels and Students, Kinta Public Schools [OCC Blue Thumb Volunteers])	<i>Effects of <i>N. peltata</i> and Herbicide Treatment on Macroinvertebrate Communities in Lake Carl Blackwell</i> (Benjamin Lamb, OSU Student)	<i>The Role of Reservoir Geomorphology in Determining Coverage Densities for Bathymetric Surveys in OK Water Supply Reservoirs</i> (James Decker, OWRB)
1:50 - 2:15	<i>Blue Thumb Volunteer Experience</i> (John Harrington, ACOG [OCC Blue Thumb Volunteer])	<i>The Use of Sentinel-2 to Monitor the Status of Yellow Floating Heart (<i>Nymphaoides peltata</i>), in Lake Carl Blackwell</i> (Abby McCrea, OSU Student)	<i>Prediction of Optical and Non-Optical WQ Parameters in Oligotrophic & Eutrophic Systems Using a Small UAV System</i> (Juan G. Arango, OU Student)
2:15 - 2:40	<i>Post-Secondary Student’s Perspectives on Oklahoma Water Issues and Implications to Water Education Programs</i> (Christopher Eck, OSU-OWRC)	<i>Technical Overview of New Technologies for Algae, Water Quality and Aquatic Weed Management</i> (Clint Formby, SePRO Corporation)	<i>dredgeSMART - The Dredging Equation, Solved.</i> (Trent Lewis, PondMedics Inc.)

2:45 - 3:45 **POSTER SESSION - EXHIBITION AREA**

3:45 - 4:10	Session A3 - Research & Technology (Room 108) Moderator: Dr. Chris Adams, OWRB <i>Study of the Effects of Irrigation Water Quality and Leaching on Soil Salinity at Greenhouse Scale Using Monitoring Techniques</i> (Dr. Sheyda Chamaki - OSU Post Doctoral Associate)	Session B3 - HABs and Toxics (Room 109) Moderator: Lance Phillips, OWRB <i>Harmful Algal Blooms (HABs) in Arkansas: Monitoring and Predicting Habs Through Collaboration</i> (Brie Olsen, Arkansas DEQ)	Session C3 - Watersheds (Auditorium) Moderator: Dr. Kevin Wagner, OSU-OWRC <i>Human-Made Environmental Disorder: A Case Study on Urban Nonpoint Source Pollution at Arcadia Lake</i> (James Kentopp, UCO Student, City of Edmond Intern)
4:10 - 4:35	<i>Influence of Soil Type on Compost Filter Sock Performance</i> (Adella Kuster & Jessica Shepard, OU Students)	<i>Software tool for detecting Harmful Algal Blooms in the Southern Great Plains</i> (Dr. Abu Mansaray, OSU-OWRC)	<i>Bridging the Gap Between Watershed Protection and Community Development</i> (Jahna Hill, City of Tahlequah)
4:35 - 5:00	<i>Storm Water Influenced Stream Sampling – Worth the Hassle?</i> (Nicki Johnson, GBMc & Associates)	<i>Applying Passive Samplers to Assess Perfluoroalkylated Substances in Soils and Sediments</i> (Hossein D. Atoufi, OSU Student)	<i>OCC Rotating Basin Project: Monitoring for Success.</i> (Jason Ramming & Nathan Carter, OCC)
5:00 - 5:25	<i>Occurrence of <i>Escherichia coli</i> and <i>Enterococcus</i> Bacteria in Twenty-Three Streams in Oklahoma for the 2018 Recreational Season</i> (Emily Rhodes, OU Student & Grant Graves, OU-OWS)	<i>A Decade of Monitoring Mercury in Fish: What Have We Learned?</i> (Jay Wright, Oklahoma DEQ)	<i>OK’s National Water Quality Initiative Pilot Project: Assessment and Outreach Planning in the Little Beaver Creek Watershed</i> (Greg Kloxin, OCC)

5:30 - 7:00 **MIXER (appetizers and cash bar)- EXHIBITION AREA**

THURSDAY

April 4, 2019

7:30 - 8:30 REGISTRATION

MORNING SESSION

8:30 - 8:55	Session A4 - Flow (Room 108) Moderator: Monty Porter, OWRB <i>Characterizing Aquifer Properties Using Base Flow in Streams</i> (Derrick Wagner, OWRB)	Session B4 - Wetlands (Room 109) Moderator: Brooks Tramell, OCC <i>Wetland Research in Oklahoma: Challenges, Success, and Lessons Learned, Part 1</i> (Dr. Craig Davis, OSU)	Session C4 - Ponds & Wetlands: WQ and Ecology I (Auditorium) Moderator: Dr. Steve Patterson, Bio x Design <i>Riparian Assessment of Lake Hudson in Mayes County</i> (Kavina Eksteen, OSU Student)
8:55 - 9:20	<i>Improving Seasonal Streamflow Forecasts by Incorporating Soil Moisture Data</i> (Briana Wyatt, OSU Student)	<i>Wetland Research in Oklahoma: Challenges, Success, and Lessons Learned, Part 2</i> (Dr. Craig Davis, OSU)	<i>Small Ponds and Wetlands in Watershed Ecological Design</i> (Dr. Steve Patterson, Bio x Design)
9:20 - 9:45	<i>Laboratory Electrical Resistivity Imaging of Macropore Flow</i> (John Paul Hager, OSU Student)	<i>Oklahoma’s Wetland Program Plan: A Collaborative Approach to Wetland Management</i> (Dr. Dan Dvoretz, OCC)	<i>Small Ponds are Water Quality Sentinels in Agricultural Landscapes</i> (Dr. Thad Scott, Baylor University)
9:45 - 10:10	<i>Challenges to Implementing Environmental Flows in Oklahoma</i> (Kimberly Elkin, TNC)	<i>Validation of a Rapid Assessment Method for Determining the Condition of Floodplain Wetlands in Oklahoma</i> (Anthony W Thornton, OSU Student)	<i>Protecting Our Neighborhood Detention (POND) Program</i> (Jeri Fleming & Jennifer Salvo, OU-OWS)

10:10 - 10:20 **BREAK - EXHIBITION AREA**

10:20 - 10:45	Session A5 - Fisheries (Room 108) Moderator: Dr. Joseph Dyer, OCC <i>Evaluating the Effectiveness of a Statewide Trophy Length Limit (762 Mm) for Blue Catfish (<i>Ictalurus furcatus</i>) in Oklahoma</i> (Jeremy Duck, ODWC)	Session B5 - Program Focus (Room 109) Moderator: Greg Kloxin, OCC <i>Inclusion of Tribal Water Quality Data in the State of Oklahoma Integrated Report: A Path Forward</i> (Dr. Rebecca Bond, OCC)	Session C5 - Ponds & Wetlands: WQ and Ecology I (Auditorium) Moderator: Dr. Steve Patterson, Bio x Design <i>Suburban Pond Ontogeny and Native Herbaceous Plants</i> (Paul Koenig, CleanH2O)
10:45 - 11:10	<i>Winter Movement of Diminutive Prairie Fishes</i> (Desiree Moore, OSU Student)	<i>Water You Talking About? Mapping Oklahoma Libraries for Drought Mitigation Programs</i> (Meghan Martin, OSU Student)	<i>American Beaver in Oklahoma: Historic and Modern Overview</i> (Jona Tucker, USFWS)
11:10 - 11:35	<i>Research to Reality: Attempting Biological Control of White Perch in Oklahoma</i> (Ashley Nealis, ODWC)	<i>USDA-ARS Hydraulic Engineering Research: Impacting Watersheds in Oklahoma and Across the U.S.</i> (Dr. Sherry Hunt, USDA-ARS)	<i>If Only We Could “Leave It to Beaver”: Water Quality Success in Main Creek</i> (Shanon Phillips, OCC)
11:35 - 12:00	<i>Patterns of Least Darter and Sympatric Darter Species Detection Across Two Ecoregions</i> (Dusty Swedberg, OSU Student)	<i>Got to Keep It Low: Laboratory Limits Explained</i> (Hunter Nelson, Candace Brooks, & Erin Vorderlandwehr, ODEQ)	<i>Ecological Engineering by Humans and Beavers: How Small Ponds and Wetlands Can Improve Watershed Water Quality</i> (Dr. Robert Nairn, OU)

12:00 - 1:30 **LUNCH (included) - OCLWA General Membership Meeting (If you attended the conference, you’re a member!)**

1:30 p.m. **ADJOURN CONFERENCE - THANK YOU!**