# Land Use Impacts on Water Quality in Central Arkansas/3-Year Comparative Study of Urban, Agricultural, and Protected Drinking Water Watershed: Webinar - Heather Black, PhD, Department of Geology, UALR

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The Arkansas Water Resources Center ("AWRC") announced that there will be a webinar titled:

*Land Use Impacts on Water Quality in Central Arkansas: A Three-Year Comparative Study of Urban, Agricultural, and Protected Drinking Water Watersheds* ("Webinar").

The Webinar will be held on May 21st.

The speaker is Heather Black, PhD, Department of Geology, University of Arkansas Little Rock.

The AWRC announcement notes that:

- Agricultural and urban expansion increasingly impacts water quality in the southeastern United States.
- Comprehensive studies comparing agricultural watersheds to other land uses are relatively rare.
- Understanding these different impacts is critical for targeted watershed management and protection of drinking water resources.
- This is particularly true for the growing population of nearly 500,000 people in Central Arkansas.

Ms. Black's study is stated to present results from a 3-year monitoring program comparing water quality across urban, agricultural, and protected drinking water watersheds in Central Arkansas to quantify land use effects and identify priority management areas. Multiple sites are stated to have been monitored bimonthly throughout the study period across three distinct watershed types in the Lower Arkansas River Basin. These are stated to include:

- The Fourche Creek urban watershed, which filters the majority of Little Rock's stormwater through extensive bottomland hardwood wetlands;
- The Maumelle River protected drinking water watershed; and,
- The Plum Bayou agricultural watershed.

A copy of the ARWC announcement with registration information for the Webinar can be found here.