

## Water Quality Monitoring – There's an App for That.

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This presentation will detail the ODK Collect water quality data collection smartphone app being adapted and tested by the Voinovich School for Leadership and Public Affairs. Watershed groups, state and federal natural resource department employees, and citizen volunteers collect water quality data in the field to justify environmental protections and funding, and perform community health assessments. Multiple devices, such as chemical monitors, cameras, and GPS units may be necessary, and the measurements are typically hand recorded on paper. This app can not only reduce the potential for data entry errors by transferring digitally recorded information collected in the field directly to a database, but also reduces equipment needs by incorporating data recording, camera, and GPS functions in one device. Challenges and potential for further development will be discussed, and examples of the data and viewing options will be shown.