Water Quality Data Resources

Question and Answer

Q: What data resources do you find most helpful?
• Accessible metadata (this is required for most applications)
• Data with consistent units and formatting
• GIS-based repositories such as Water Health Portal, Watershed Watch Portal, NexRAD.

Q: What resources or tools do you wish to be able to use?
• Survey 123 for ArcGIS as a pollutant source investigation tool and infrastructure condition assessment tool
• Kentucky 811 for small utilities (currently only larger utilities use this service)
• Stormwater infrastructure on KIA’s WRIS portal

Q: What data would make you more effective at addressing water quality issues?
• Online stream biological data
• Web map with published notices of violation
• Online database from State-published Discharge Monitoring Reports (DMR)

Q: What data would make you more effective at addressing water quality issues?

Data Wish-List

Source Portal
• A GIS-based, online map that shows the locations of possible sources of water quality pollution

Water Research Portal
• A GIS-based, online map that shows the location of water-related research projects and data collection efforts by universities, municipalities, and state government agencies

Statewide Sampler Training
• A state-sponsored training program can help broaden the network of samplers and improve data quality

Automated QC Scripts
• Writing semi-universal, easily adaptable computer programs can help to decrease the manual effort and time required to QA / QC large data sets.