

# Water Quality Data Resources



Image from DARPA

## 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 are some potential collaborative opportunities for data development in Kentucky?*

- Shared data between research universities
- Annual collaborative meetings and / or workshops for state watershed groups
- Developing an online resource that lists people / organizations with lab / analytical capabilities

## 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.

