The Kentucky Interagency Groundwater Monitoring Network: A Collaborative Effort in Groundwater Resource Characterization

Bart Davidson
Kentucky Geological Survey

Robert J. Blair
Kentucky Division of Water

9th National Monitoring Conference
Cincinnati, Ohio
April 28 – May 2, 2014
Starting with the Big Picture
Geology of Kentucky

- **Quaternary**: 2 mya; sand, clay, gravel
- **Quaternary and Tertiary**: 1-5 mya; gravel and sand
- **Tertiary**: 30 mya; clay and sand
- **Tertiary and Cretaceous**: 60-70 mya; sand and clay
- **Cretaceous**: 85-95 mya; gravel and sand
- **Pennsylvanian**: 290-325 mya; shale, sandstone and coal
- **Mississippian**: 325-360 mya; shale, limestone and sandstone
- **Devonian**: 360-410 mya; shale and limestone
- **Silurian**: 410-440 mya; dolomite and shale
- **Ordovician**: 440-510 mya; limestone, dolomite, shale
- **Cambrian**: 510-570 mya; dolomite, sandstone and shale
- **Precambrian**: >570 mya; igneous and metamorphic rock
Kentucky Interagency Groundwater Monitoring Network sites
(maintained by Kentucky Division of Water)