VISUALIZING GROUNDWATER RESOURCES AND USE WITHIN INTERACTIVE MAPS

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ILLINOIS STATE WATER SURVEY
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ISWS GROUNDWATER SECTION GOALS

- Create interactive online web applications for groundwater resources

- Display aquifer maps, well locations and attributes, withdrawal rates

- Display what water sources municipalities draw from and if they purchase water

- Ability to graph and download data

- Similar to IEPA SWAP site and ILWATER, but more focused on themes

- Fill the need for planners, engineers, and water operators to view and have access to groundwater/surface water withdrawal data

Currently Have:

- Web Application that displays all *reported* Illinois Water Inventory Program (IWIP) data at Public Water Supply Wells (1980-2013)- Display as MGD?

Currently Working On:

- Displaying all IWIP data for Public Water Supply Intakes (Surface Water Component)

- Displaying all IWIP data for Industrial and Irrigation Use (both wells and intakes)-Display as aggregates??

- Add Interpreted IWIP data (filling in gaps/missing reported data)

- Statewide map of where Municipalities get their water from, who they purchase from, and in what amount

IWIP Driven

Future Web Applications:

- Web Application for viewing water level data (mass measurements and real-time transducer data) and potentiometric surfaces

- Regional Modeling Results (Northeast IL, Middle IL, Kankakee Region)

Project Driven

- HTTP://UNIVOFILLINOIS.MAPS.ARCGIS.COM/APPS/MAPSERIES/INDEX.HTML?APPID=82E92BB45463474CA37CEA24DCBB37CF