The repository database currently contains information on more than 92,000 water wells and 5,100 springs, and also 58,000 suites of water-quality analyses (millions of individual analyte results). The water-well data include information such as location, usage, total depth, static water level, casing, and lithology (not available for all wells).

The repository website is kgs.uky.edu/kgsweb/DataSearching/watersearch.asp.

You can select several search methods: by county, 7.5-minute quadrangle, radius search from a known location (latitude/longitude), or inputting a known well identification number. The resulting table will show relevant data for the wells or springs located from the search, including scanned drillers’ logs where available. In addition, by selecting the “groundwater map service” link, you can plot the wells and springs on a topographic or aerial photography base map. An example of this feature (with topo graphic base) is shown below:

From the search results table, you can also select the online geologic map service to determine the geology of the site. The same search area is displayed showing geologic contacts, which can be individually selected and additional detailed geologic information will be displayed.

Many other layers can be turned on with the geologic map service, such as geologic faults, coal beds, karst potential, water wells and springs, sinkholes, oil and gas wells, landslide data, and quarries.

For more information on the repository, call Sarah Arpin at 859-323-0524 or email at sarah.arpin@uky.edu.