

U.S. GEOLOGICAL SURVEY SITE-SPECIFIC WATER USE DATABASE (SWUDS)

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Abstract. The U.S. Geological Survey's site-specific water use database (SWUDS) is designed to store permitted and non-permitted surface and groundwater withdrawals from source waters, water deliveries among water suppliers, and return flows to receiving waters for individual public and private water suppliers and water-use entities. Industrial, thermoelectric, commercial, and residential water use from surface and groundwater sources can be compiled at the county and hydrologic unit levels; SWUDS also has the ability to account for interbasin and inter-county deliveries among water suppliers.

This presentation will graphically show the accounting capabilities of SWUDS to network the complex interdependencies of water withdrawal, treatment, distribution, finished-water deliveries, wastewater treatment, and return flows to a receiving water body for a typical public water supplier. The Augusta-Richmond County water system will be used as an example.