

The USGS has been collecting water-quality data in Arizona for several decades. The AzWSC maintains a database containing water-quality data for several thousand sites. These data are provided to local, State, Tribal, and Federal governments that use them to evaluate water chemistry, contaminant levels, groundwater age and movement, and spatial and temporal trends of water quality. The following is a partial list of AzWSC water-quality science capabilities:



**Water-Quality Analysis at Parts-Per-Billion Levels**

**Emerging Contaminant Studies**

**Isotopic Analyses of Water**

**Biological and Microbiological Sampling**

**Sediment, Soil, and Core Chemical Analysis**

**Point, Continuous, and Passive Sampling  
(including real-time monitoring)**

**Water Well Sampling and Monitoring**

**Remote Location Sampling**

**Data Interpretation Expertise:**

**Characterization of groundwater and  
surface-water chemistry**

**Age dating and isotopic studies**

**Assessment of source, distribution, and  
movement of contaminants**

**Spatial and temporal trends in water quality**

