

## Water-Quality Science

Age-Dating of Water

Emerging Contaminant Studies

Geochemical Modeling

Long-term Monitoring:

Total Maximum Daily Load (TMDL) Assessments

Trends Analysis

Geospatial Database Development

Isotopic Analyses of Water

Microbiological Studies

Real-Time Monitoring:

Groundwater, Surface Water, Lakes and Reservoirs

Regression Analysis and Real-Time Monitoring to Estimate Constituent Concentrations and Loads

Water-Quality Analysis at Part-Per-Billion Levels

National Water Information System (NWISWeb) Data Available Within 24 Hours of Receipt from Laboratory

Stormwater Monitoring

**MISSION:** To provide reliable, impartial, timely information that is needed to understand the Nation's water resources.

The Water Resources Discipline actively promotes the use of this information by decision makers to

- Minimize the loss of life and property as a result of water-related natural hazards, such as floods, droughts, and land movement
- Effectively manage groundwater and surface-water resources for domestic, agriculture, commercial, industrial, recreational, and ecological uses
- Protect and enhance water resources for human health, aquatic health, and environmental quality
- Contribute to wise physical and economic development of the Nation's resources for the benefit of present and future generations



Surface-water sampling



Pesticides



Radon



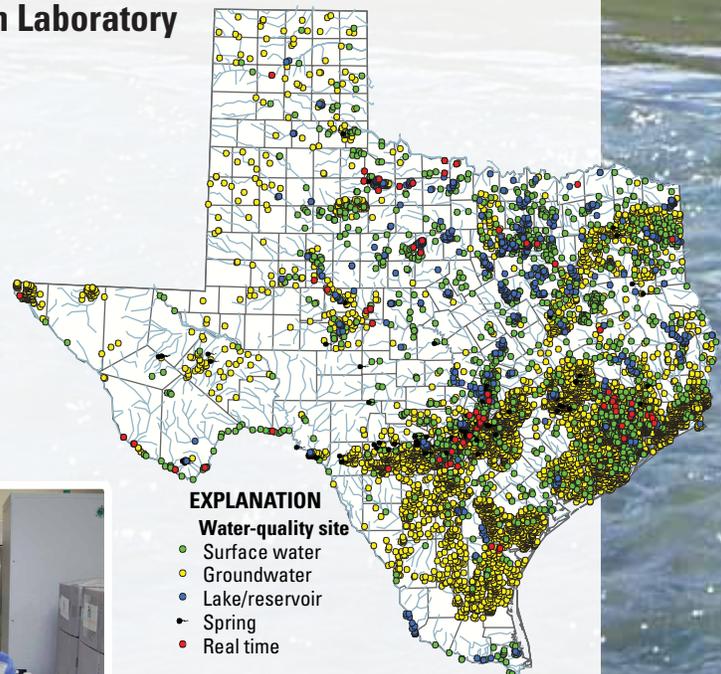
Volatile Organic Compounds (VOCs)



Kemmerer (depth specific) water-quality sampling



Bacteria processing



**EXPLANATION**

**Water-quality site**

- Surface water
- Groundwater
- Lake/reservoir
- Spring
- Real time

**USGS Texas Water-Quality Sampling Sites**

The U.S. Geological Survey has been collecting water-quality data in Texas since 1907. Today (2009) the Texas Water Science Center database contains more than 8,400 sites with discrete water-quality data. In water year 2008, more than 1,500 water-quality samples were collected in Texas. U.S. Geological Survey National Water Information System (NWISWeb) data are available on the World Wide Web, at URL: <http://nwis.waterdata.usgs.gov/tx/nwis/qwdata>

The U.S. Geological Survey (USGS) Texas Water Science Center works in cooperation with approximately 100 municipalities, river authorities, groundwater districts, and State and Federal agencies in Texas to provide reliable, impartial scientific information to resource managers, planners, and other customers. This information is gathered by the USGS Texas Water Science Center to minimize the loss of life and property from natural disasters, to contribute to the conservation and sound economic and physical development of the Nation's natural resources, and to enhance the quality of life by monitoring water, biological, energy, and mineral resources.

If you have any questions or concerns with which we can assist you, contact us or visit our Web site at <http://tx.usgs.gov> or the national Web site at <http://www.usgs.gov>. We look forward to serving you in the near future.

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## Texas Water Science Center Locations

