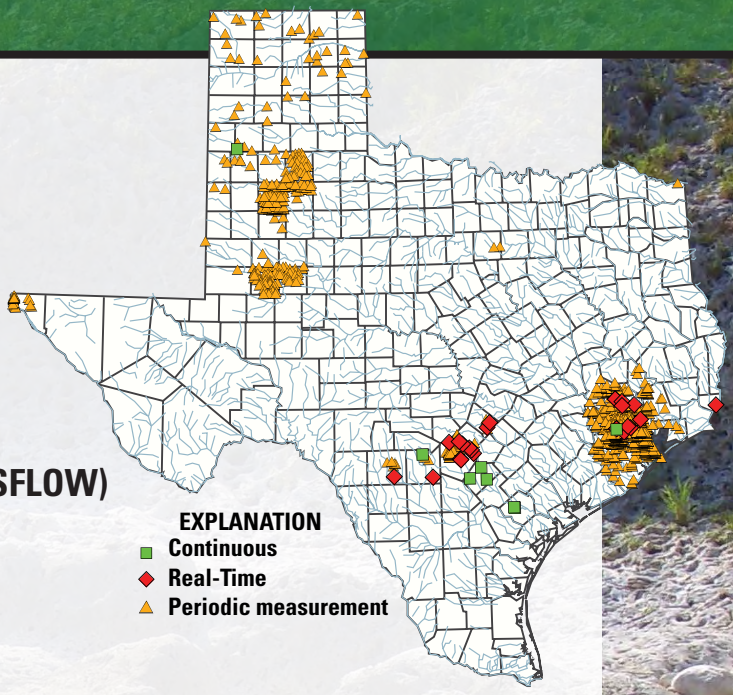
USGS
science for a changing world

Groundwater Science

- Age Dating and Isotopic Tracer Studies
- Aquifer Characterization
- Availability and Use
- Database Development
- Freshwater/Saline-Water Relations
- Groundwater-Flow Modeling (MODFLOW, GSFLOW)
- Groundwater/Surface-Water Relations
- Land-Surface Subsidence Studies
- Monitoring Network Design
- Real-Time Groundwater-Level and -Quality Monitoring
- Recharge Assessment
- Source-Water Assessment
- Subsurface Characterization Using Surface and Borehole Methods



USGS Active Groundwater-Level Network in Texas

Water-level measurement

Flowmeter logging

Discrete sampling

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 use.
- 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

The U.S. Geological Survey has been collecting groundwater data in Texas since 1898. Today (2009) the Texas Water Science Center database contains 18,211 sites with groundwater-level data. 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/gwlevels

U.S. Department of the Interior
U.S. Geological Survey

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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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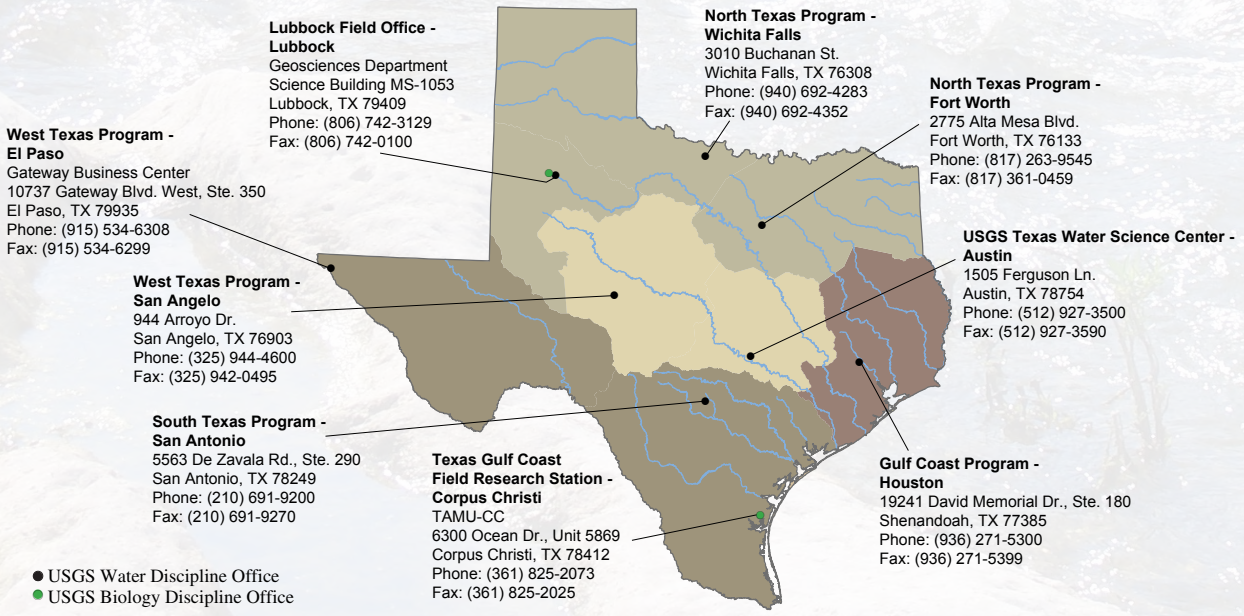
Texas Water Science Center Locations