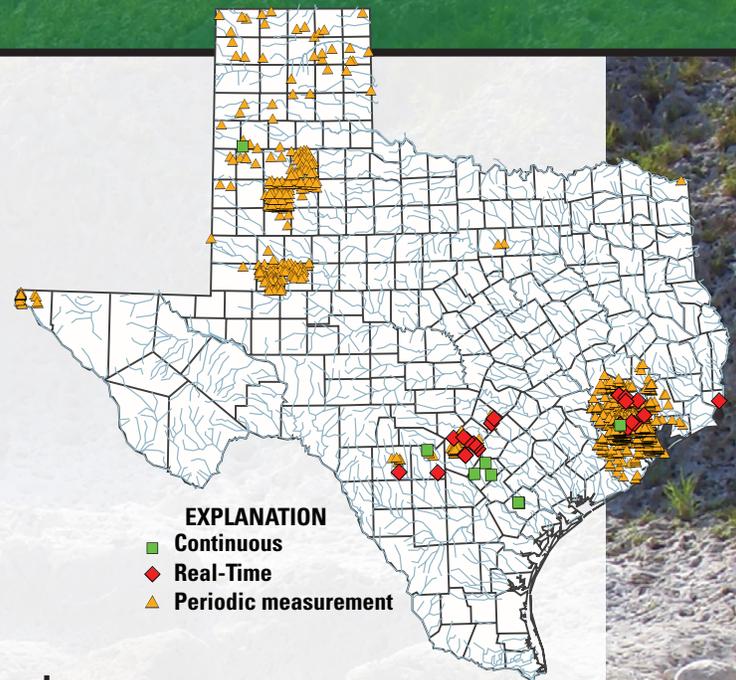


Groundwater Science

Age Dating and Isotopic Tracer Studies
 Aquifer Characterization
 Availability and Use
 Database Development
 Freshwater/Saline-Water Relations
 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
 Numerical Modeling
 Groundwater Flow
 Saline and Brackish Water Flow and Transport
 Integrated Surface-water/Groundwater
 Land Subsidence
 Parameter Estimation/Uncertainty Quantification



USGS Active Groundwater-Level Network in Texas



Flowmeter logging



Water-level measurement

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



Discrete sampling

The U.S. Geological Survey has been collecting groundwater data in Texas since 1898. Today (2015) the Texas Water Science Center database contains 18,804 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>

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.

Key contacts of the USGS Texas Water Science Center:

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Texas Water Science Center Locations

