By the numbers: Texas

- 54,266 geoscience employees (excludes self-employed)
- 7.2 billion gallons/day: total groundwater withdrawal
• $5.22 billion: value of nonfuel mineral production in 2017
• 254 total disaster declarations, including 154 fire, 36 flood, and 20 hurricane disasters (1953-2017)?
• $70.2 million: NSF GEO grants awarded in 2017

Read more in this Geoscience in Your State Factsheet...

Agencies Working on Geoscience Issues in Texas

**Bureau of Economic Geology**
http://www.beg.utexas.edu/

In addition to functioning as the State Geological Survey of Texas, the Bureau of Economic Geology in the Jackson School of Geosciences conducts research focusing on the intersection of energy, the environment, and the economy, where significant advances are being made tackling tough problems globally. The Bureau partners with federal, state, and local agencies, academic institutions, industry, nonprofit organizations, and foundations to conduct high-quality research and disseminate the results to the scientific and engineering communities as well as to the broad public.

**Texas Commission on Environmental Quality**
https://www.tceq.texas.gov/

The Texas Commission on Environmental Quality strives to protect the state’s public health and natural resources consistent with sustainable economic development. Our goal is clean air, clean water, and the safe management of waste.

**Texas Division of Emergency Management**
https://tdem.texas.gov/

The Texas Division of Emergency Management (TDEM) coordinates the state emergency management program, which is intended to ensure the state and its local governments respond to and recover from emergencies and disasters, and implement plans and programs to help prevent or lessen the impact of emergencies and disasters.

**Texas State Soil & Water Conservation Board**
https://www.tsswcb.texas.gov/tsswcb-home-page

The Texas State Soil and Water Conservation Board (TSSWCB) is the state agency that administers Texas’ soil and water conservation law and coordinates conservation and nonpoint source water pollution abatement programs throughout the State.

**Texas Water Development Board**
http://www.twdb.texas.gov/index.asp

The mission of the Texas Water Development Board (TWDB) is to provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas.

**Maps & Visualizations**

Interactive map of offshore sand and gravel resources of the United States

Bureau of Ocean Energy Management

The Bureau of Ocean Energy Management's Marine Minerals Information System (MMIS) provides an interactive map with information on offshore sand and gravel resources for 18 states on the Atlantic and Gulf coasts of the United States. The system includes: Sand and gravel resources Marine...

[Search all Maps & Visualizations](#)

**Case Studies & Factsheets**
Water Sources for Hydraulic Fracturing

Hydraulic Fracturing and Water Demand

Hydraulically fracturing a modern well can require millions of gallons of water for the initial fracturing process. This is a potential problem in arid regions with competing demands for fresh water (i.e. high water stress), such as Colorado and West Texas (see...)

Search all Case Studies & Factsheets

Webinars & Forums


The 2016 Critical Issues Forum was a 1-½ day meeting covering multiple aspects of groundwater depletion in the High Plains.

Search all Webinars & Forums

GOLI Online Courses

Making Produced Water More Productive

Course Type: GOLI Online Course

View course

Geoscience is essential to our understanding and management of produced water, an inevitable byproduct of oil and gas development. This course provides a scientific and regulatory background of produced water, how it is commonly disposed, what opportunities exist for the re-use of produced water...

Search all GOLI courses