

Groundwater Use in Texas

Overview¹

Total

Groundwater (mgd — fresh, not saline) 6,830
Percentage of total freshwater* supply for state 30.2%

Public Supply

Groundwater (mgd) 1,130
Percentage of total groundwater 16.5%
Percentage of total public supply 28.3%

Individual Household

Groundwater (mgd) 259
Percentage of total groundwater 3.79%
Percentage of total individual household supply 100%

Irrigation

Groundwater (mgd) 5,100
Percentage of total groundwater 74.7%
Percentage of total irrigation 74.7%

Livestock/Aquaculture

Groundwater (mgd) 140
Percentage of total groundwater 2.05%
Percentage of total livestock/aquaculture 48.3%

Industrial, Self-Supplied

Groundwater (mgd) 108
Percentage of total groundwater 1.58%
Percentage of total industrial, self-supplied 15.9%

Mining

Groundwater (mgd) 122
Percentage of total groundwater 1.79%
Percentage of total mining 60.1%

Thermoelectric

Groundwater (mgd) 38.8
Percentage of total groundwater 0.57%
Percentage of total thermoelectric 0.37%

(mgd = million gallons per day)

*All totals and ratios are measures of freshwater only.

¹ US Geological Survey, November 2014 report on 2010 water use.

² Texas Water Development Board, Submitted Driller's Reports Database; Texas Environmental Quality, Water Well Report Viewer

³ US EPA Federal Safe Drinking Water Information System Data for 2014.

⁴ *Ibid.*

⁵ *Ibid.*

⁶ Census of Agriculture 2013 Farm and Ranch Irrigation Survey.

Groundwater's Role in Texas's Economic Vitality

- Approximately 152,000 known residential wells statewide.²
- 3,400 community water systems use groundwater for 5,570,000 people³
- 802 non-community, non-transient water systems use groundwater for 229,000 people⁴
- 1,300 non-community, transient water systems use groundwater for 240,000 people⁵
- 81,500 irrigation wells used serving 9,540 farms and 4,060,000 acres⁶



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Texas's Groundwater Industry Employment

Men and women working to provide and protect Texas's groundwater resources for the benefit of people, business, and our environment.

Texas's Contracting Employment

Drill and service water wells, install and service pumps, install and service point of use water treatment devices. This portion of the industry is characterized by small firms, many of which are multi-generation family-owned and operated.⁷

- 703 firms employ an estimated 18,500 people⁸
- Annual estimated sales of \$4,310 million

Texas's Scientists and Engineers Employment

Geologists, hydrogeologists, engineers, geochemists, geophysicists, microbiologists, regulators.

Environmental Consulting⁹

NAICS 54162: Establishments primarily engaged in providing advice and assistance on environmental issues, such as the control of environmental contamination from pollutants, toxic substances, and hazardous materials.

- 2,110 firms employ an estimated 6,770 people
- Annual estimated sales of \$997 million

Remediation¹⁰

NAICS 56291: Establishments include those engaged in remediation and cleanup of contaminated buildings, mine sites, soil, or groundwater.

- 473 firms employ an estimated 7,210 people
- Annual estimated sales of \$1,240 million

Public Service and Universities, Colleges, and Research Centers

- Many more dedicated individuals



⁷ InfoUSA, SIC 1781, March 2015.

⁸ Barnes Reports: Remediation Services Industry (NAICS 56291); C. Barnes & Co., 2015.

⁹ Barnes Reports: Environmental Consulting Services Industry (NAICS 54162); C. Barnes & Co., 2015.

¹⁰ Barnes Reports: Remediation Services Industry (NAICS 56291); C. Barnes & Co., 2015.