

Groundwater Use in Missouri

Overview¹

Total

Groundwater (mgd — fresh, not saline)..... 1,810
Percentage of total freshwater* supply for state..... 21.1%

Public Supply

Groundwater (mgd) 293
Percentage of total groundwater..... 16.2%
Percentage of total public supply 35.1%

Individual Household

Groundwater (mgd) 61.8
Percentage of total groundwater..... 3.41%
Percentage of total individual household supply 100%

Irrigation

Groundwater (mgd) 1,350
Percentage of total groundwater..... 74.6%
Percentage of total irrigation..... 96.4%

Livestock/Aquaculture

Groundwater (mgd) 28.9
Percentage of total groundwater..... 1.60%
Percentage of total livestock/aquaculture..... 11.4%

Industrial, Self-Supplied

Groundwater (mgd) 34.3
Percentage of total groundwater..... 1.90%
Percentage of total industrial, self-supplied 50.2%

Mining

Groundwater (mgd) 24.4
Percentage of total groundwater..... 1.35%
Percentage of total mining..... 74.2%

Thermoelectric

Groundwater (mgd) 19.9
Percentage of total groundwater..... 1.10%
Percentage of total thermoelectric..... 0.34%

(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 Missouri DNR, Geological Survey

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 Missouri's Economic Vitality

- Approximately 152,000 known residential wells statewide.²
- 1,210 community water systems use groundwater for 1,980,000 people³
- 218 non-community, non-transient water systems use groundwater for 75,700 people⁴
- 1,070 non-community, transient water systems use groundwater for 111,000 people⁵
- 13,600 irrigation wells used serving 1,800 farms and 1,170,000 acres⁶



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Missouri's Groundwater Industry Employment

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

Missouri'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

- 105 firms employ an estimated 547 people⁸
- Annual estimated sales of \$136 million

Missouri'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.

- 247 firms employ an estimated 877 people
- Annual estimated sales of \$137 million

Remediation¹⁰

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

- 104 firms employ an estimated 1,420 people
- Annual estimated sales of \$324 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.