

# Groundwater Use in Utah

## Overview<sup>1</sup>

### Total

Groundwater (mgd — fresh, not saline)..... 1,030  
Percentage of total freshwater\* supply for state..... 24.9%

### Public Supply

Groundwater (mgd) ..... 364  
Percentage of total groundwater..... 35.3%  
Percentage of total public supply ..... 54.1%

### Individual Household

Groundwater (mgd) ..... 8.44  
Percentage of total groundwater..... 0.82%  
Percentage of total individual household supply ..... 100%

### Irrigation

Groundwater (mgd) ..... 494  
Percentage of total groundwater..... 48.0%  
Percentage of total irrigation..... 15.3%

### Livestock/Aquaculture

Groundwater (mgd) ..... 105  
Percentage of total groundwater..... 10.2%  
Percentage of total livestock/aquaculture..... 92.3%

### Industrial, Self-Supplied

Groundwater (mgd) ..... 31.2  
Percentage of total groundwater..... 3.03%  
Percentage of total industrial, self-supplied ..... 65.6%

### Mining

Groundwater (mgd) ..... 2.59  
Percentage of total groundwater..... 0.25%  
Percentage of total mining..... 61.8%

### Thermoelectric

Groundwater (mgd) ..... 24.0  
Percentage of total groundwater..... 2.33%  
Percentage of total thermoelectric..... 34.5%

(mgd = million gallons per day)

\*All totals and ratios are measures of freshwater only.

<sup>1</sup> US Geological Survey, November 2014 report on 2010 water use.

<sup>2</sup> Utah Division of Water Rights, Well & Geothermal Program

<sup>3</sup> US EPA Federal Safe Drinking Water Information System Data for 2014.

<sup>4</sup> *Ibid.*

<sup>5</sup> *Ibid.*

<sup>6</sup> Census of Agriculture 2013 Farm and Ranch Irrigation Survey.

## Groundwater's Role in Utah's Economic Vitality

- Approximately 19,800 known residential wells statewide.<sup>2</sup>
- 356 community water systems use groundwater for 772,000 people<sup>3</sup>
- 63 non-community, non-transient water systems use groundwater for 24,000 people<sup>4</sup>
- 461 non-community, transient water systems use groundwater for 82,300 people<sup>5</sup>
- 3,060 irrigation wells used serving 1,430 farms and 280,000 acres<sup>6</sup>



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# Utah's Groundwater Industry Employment

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

## Utah'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.<sup>7</sup>

- 73 firms employ an estimated 9,740 people<sup>8</sup>
- Annual estimated sales of \$1,700 million

## Utah's Scientists and Engineers Employment

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

### Environmental Consulting<sup>9</sup>

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.

- 229 firms employ an estimated 695 people
- Annual estimated sales of \$103 million

### Remediation<sup>10</sup>

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

- 45 firms employ an estimated 580 people
- Annual estimated sales of \$95.2 million

### Public Service and Universities, Colleges, and Research Centers

- Many more dedicated individuals



<sup>7</sup> InfoUSA, SIC 1781, March 2015.

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

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

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