

Groundwater Use in Maine

Overview¹

Total

Groundwater (mgd — fresh, not saline)..... 99
Percentage of total freshwater* supply for state..... 24.4%

Public Supply

Groundwater (mgd) 27.7
Percentage of total groundwater..... 27.9%
Percentage of total public supply 30.3%

Individual Household

Groundwater (mgd) 33.0
Percentage of total groundwater..... 33.2%
Percentage of total individual household supply 100%

Irrigation

Groundwater (mgd) 2.51
Percentage of total groundwater..... 2.53%
Percentage of total irrigation..... 22.2%

Livestock/Aquaculture

Groundwater (mgd) 27.5
Percentage of total groundwater..... 27.7%
Percentage of total livestock/aquaculture..... 55.9%

Industrial, Self-Supplied

Groundwater (mgd) 6.54
Percentage of total groundwater..... 6.58%
Percentage of total industrial, self-supplied 3.41%

Mining

Groundwater (mgd) 1.14
Percentage of total groundwater..... 1.15%
Percentage of total mining..... 23.4%

Thermoelectric

Groundwater (mgd) 0.96
Percentage of total groundwater..... 0.97%
Percentage of total thermoelectric..... 3.58%

(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 Maine Department of Health and Humans Services, Division of Environmental Health Drinking Water Program

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 Maine's Economic Vitality

- Approximately 112,000 known residential wells statewide.²
- 326 community water systems use groundwater for 217,000 people³
- 368 non-community, non-transient water systems use groundwater for 64,300 people⁴
- 1,100 non-community, transient water systems use groundwater for 174,000 people⁵
- 649 irrigation wells used serving 540 farms and 11,300 acres⁶



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Maine's Groundwater Industry Employment

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

Maine'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

- 53 firms employ an estimated 177 people⁸
- Annual estimated sales of \$38.5 million

Maine'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.

- 125 firms employ an estimated 333 people
- Annual estimated sales of \$51 million

Remediation¹⁰

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

- 32 firms employ an estimated 439 people
- Annual estimated sales of \$65.0 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.