Groundwater Use in Indiana

Overview¹

Total
Groundwater (mgd — fresh, not saline) ............................................ 699
Percentage of total freshwater* supply for state ................. 9.74%

Public Supply
Groundwater (mgd) ................................................................. 339
Percentage of total groundwater ........................................... 48.50%
Percentage of total public supply ........................................ 53.98%

Individual Household
Groundwater (mgd) ................................................................. 127
Percentage of total groundwater ........................................... 18.17%
Percentage of total individual household supply ............ 100%

Irrigation
Groundwater (mgd) ................................................................. 93.1
Percentage of total groundwater ........................................... 13.32%
Percentage of total irrigation ................................................. 70.00%

Livestock/Aquaculture
Groundwater (mgd) ................................................................. 32.7
Percentage of total groundwater ........................................... 4.68%
Percentage of total livestock/aquaculture ....................... 60.89%

Industrial, Self-Supplied
Groundwater (mgd) ................................................................. 79.9
Percentage of total groundwater ........................................... 11.43%
Percentage of total industrial, self-supplied .................. 3.49%

Mining
Groundwater (mgd) ................................................................. 5.52
Percentage of total groundwater ........................................... 0.79%
Percentage of total mining .................................................... 4.38%

Thermoelectric
Groundwater (mgd) ................................................................. 20.8
Percentage of total groundwater ........................................... 2.98%
Percentage of total thermoelectric ................................... 0.54%

(mgd = million gallons per day)

*All totals and ratios are measures of freshwater only.

Groundwater’s Role in Indiana’s Economic Vitality

• Few states can accurately or confidentially determine how many residential wells are in place. For each region, the American Housing Survey by the U.S. Census provides regional data. Indiana is found in the Midwest, along with these other states: Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, North Dakota, South Dakota, Iowa, Nebraska, Kansas, and Missouri. The last American Housing Survey Census indicates this region had 3,990,000 households served by residential wells, with an average of 2.55 persons per household. The USGS estimates the population of self-supplied water supply users in Indiana to be 1,680,000, all of which were groundwater supplied.⁴

• 679 community water systems use groundwater for 2,406,000 people⁵

• 601 non-community, non-transient water systems use groundwater for 211,000 people⁶

• 2,743 non-community, transient water systems use groundwater for 362,000 people⁷

• 4,130 irrigation wells used serving 1,410 farms and 410,000 acres⁸

² US Census Bureau 2013 American Housing Survey.
³ Ibid.
⁶ Ibid.
⁷ Ibid.
⁸ Census of Agriculture 2013 Farm and Ranch Irrigation Survey.
Indiana’s Groundwater Industry Employment

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

Indiana’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.9

- 127 firms employ an estimated 703 people
- Annual estimated sales of $203.2 million

Indiana’s Scientists and Engineers Employment
Geologists, hydrogeologists, engineers, geochemists, geophysicists, microbiologists, regulators.

Environmental Consulting10
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.

- 470 firms employ an estimated 2,041 people
- Annual estimated sales of $403.1 million

Remediation11
NAICS 56291: Establishments include those engaged in remediation and cleanup of contaminated buildings, mine sites, soil, or groundwater.

- 98 firms employ an estimated 1,172 people
- Annual estimated sales of $303.2 million

Public Service and Universities, Colleges, and Research Centers
- Many more dedicated individuals

9 InfoUSA, SIC 1781, June 2019.