

Groundwater Use for New Jersey¹

Total

Groundwater (mgd—fresh, not saline).....	592
Percentage of total water supply for state.....	31%

Public Supply

Groundwater (mgd).....	410
Percentage of total groundwater	69%
Percentage of total public supply.....	43%

Individual Household

Groundwater (mgd).....	80
Percentage of total groundwater	13%
Percentage of total individual household supply	100%

Irrigation

Groundwater (mgd).....	43
Percentage of total groundwater	7%
Percentage of total irrigation.....	45%

Livestock/Aquaculture

Groundwater (mgd).....	10
Percentage of total groundwater	2%
Percentage of total livestock/aquaculture	100%

Industrial, Self-Supplied

Groundwater (mgd).....	46
Percentage of total groundwater	8%
Percentage of total industrial.....	54%

Mining

Groundwater (mgd).....	1
Percentage of total groundwater	0%
Percentage of total mining.....	2%

Thermoelectric

Groundwater (mgd).....	2
Percentage of total groundwater	0%
Percentage of total thermoelectric.....	0%

(mgd = million gallons per day)

Groundwater's Role in New Jersey's Economic Vitality

- 961,000 residents served by privately owned individual wells¹
- 314,862 households served by privately owned individual wells²
- 3,757 community water systems use groundwater for 3,659,582 people³
- 817 non-community, non-transient water systems use groundwater for 354,744 people⁴
- 2,445 non-community, transient water systems use groundwater for 420,973 people⁵
- 974 irrigation wells used serving 439 farms and 40,617 acres⁶



Address/ 601 Dempsey Road
Westerville, Ohio
43081-8978 USA

Phone/ 800 551.7379
614 898.7791

Fax/ 614 898.7786

E-mail/ ngwa@ngwa.org

Web sites/ www.ngwa.org
www.wellowner.org



¹ US Geological Survey, October 2009 report on 2005 water use.

² Based on 1990 Census data, last year in which household wells were counted.

³ US EPA Factoids: Drinking Water and Ground Water Statistics for 2008.

⁴ US EPA Factoids: Drinking Water and Ground Water Statistics for 2008.

⁵ US EPA Factoids: Drinking Water and Ground Water Statistics for 2008.

⁶ 2007 Census of Agriculture, Farm and Ranch Irrigation Survey (2008).

New Jersey's Groundwater Industry Employment

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

New Jersey'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

- 111 firms employ an estimated 633 people⁸
- Annual estimated sales of \$56,767,000



New Jersey'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.

- 372 firms employ an estimated 3,651 people
- Annual estimated sales of \$290.5 million



Remediation¹⁰

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

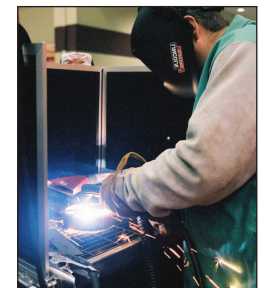
- 192 firms employ an estimated 3,462 people
- Annual estimated sales of \$293.9 million

Public Service and Universities, Colleges, and Research Centers

- Many more dedicated individuals

Sampling of New Jersey Manufacturers and Wholesalers

S.F. Shaffer Company Inc.
Morris Industries Inc.
ECT Manufacturing
Pul-A-Pump Corp.



⁷ U.S. Census data for employee (1997) and non-employee firms (2002).

⁸ 5.7 employees per firm, Research USA for *Water Well Journal*, September 2003

⁹ Barnes Reports: *Environmental Consulting Services Industry* (NAICS 54162); C. Barnes & Co., 2010 Edition.

¹⁰ Barnes Reports: *Remediation Services Industry* (NAICS 56291); C. Barnes & Co., 2010 Edition