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## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

GO

[News](#) - updated March 17, 2010

# USGS Groundwater Data for the Nation

### **Real-time data** (1,289 sites)

Real-time data are time-series (recorded at fixed intervals) data from automated equipment and represent the most current hydrologic conditions. Measurements are commonly recorded at 5-60 minute intervals and transmitted to the NWIS database every 1-4 hours. Real-time data are available online for 120 days.

### **Daily data** (5,619 sites)

Daily values are summarized from time-series data for each day for the period of record and may represent the daily mean, median, maximum, minimum, and/or other derived value. Daily values include approved, quality-assured data that may be published, and more recent provisional data, whose accuracy has not been verified.

[Example.](#)

### **Statistics** (2,468 sites)

**Daily**

**Monthly**

**Annual**

Statistics are computed from approved daily

### **Introduction**

The USGS National Water Information System (NWIS) contains extensive water data for the Nation. Public access to many of these data is provided via NWISWeb ([additional background](#)).

The Groundwater database consists of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States. Available site descriptive information includes well location information such as

mean time-series data at each site. These links provide summaries of approved historical daily values for daily, monthly, and annual (water year or calendar year) time periods.

**Field water-level measurements (834,244 sites)**

Manual measurements of depth to water in wells. These measurements are often used to supplement and (or) verify the accuracy of the instantaneous measurements.

latitude and longitude, well depth, and aquifer.

The USGS annually monitors groundwater levels in thousands of wells in the United States. Groundwater level data are collected and stored as either discrete [field-water-level measurements](#) or as continuous time-series data from automated recorders. Data from some of the continuous record stations are relayed to USGS offices nationwide through telephone lines or by satellite transmissions providing access to [realtime groundwater data](#). Once a complete day of readings are received from a site, [daily summary data](#) are generated and made available online. Annually, the USGS finalizes and publishes the daily data in a series of water-data reports.



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**Title: USGS Groundwater Data for USA**

**URL: <http://waterdata.usgs.gov/nwis/gw?>**

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