

# USGS Water Data for the Nation Web Interface (NWISWeb)

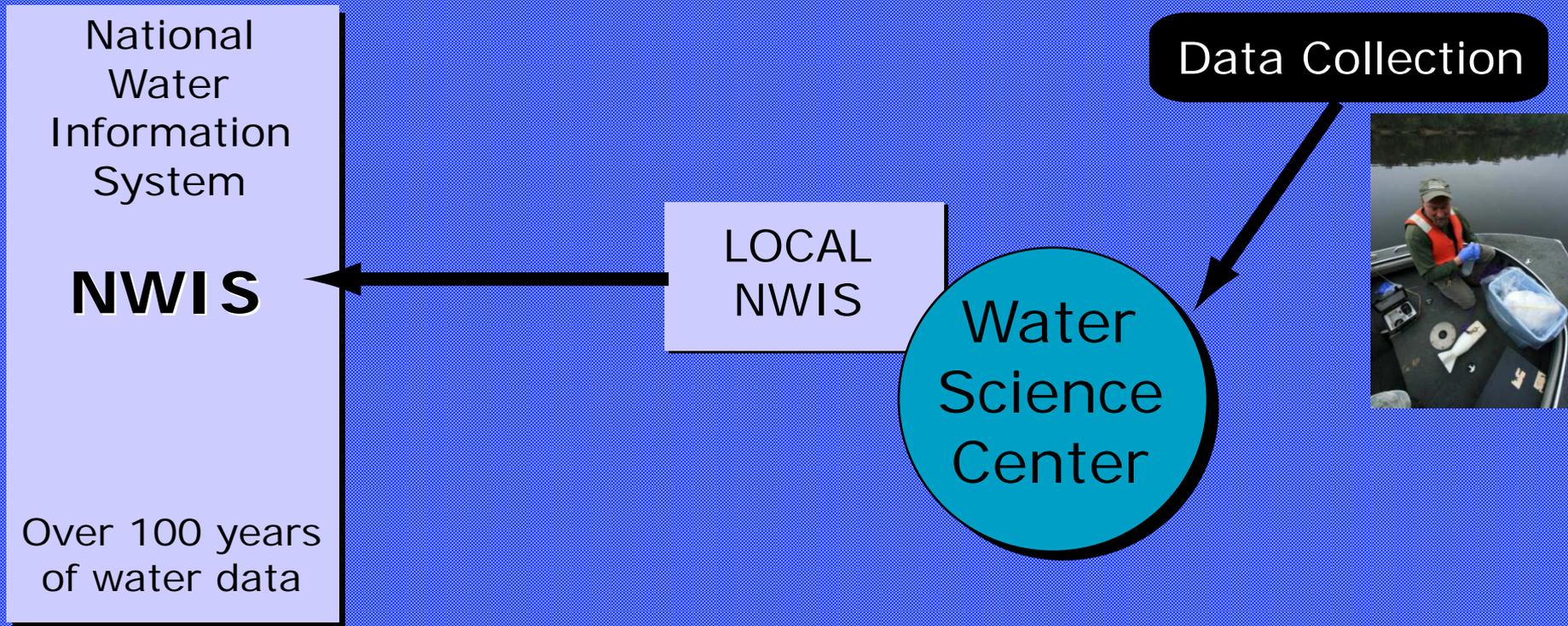
**Gary T. Fisher, P.E.**  
**USGS Office of Water Information**

**Chair – NWISWeb Users Group**

The NWISWeb Users Group (NWUG) collects, evaluates, and prioritizes requests for enhancements, bug fixes, and recommends overall improvements to the NWIS Web Interface.

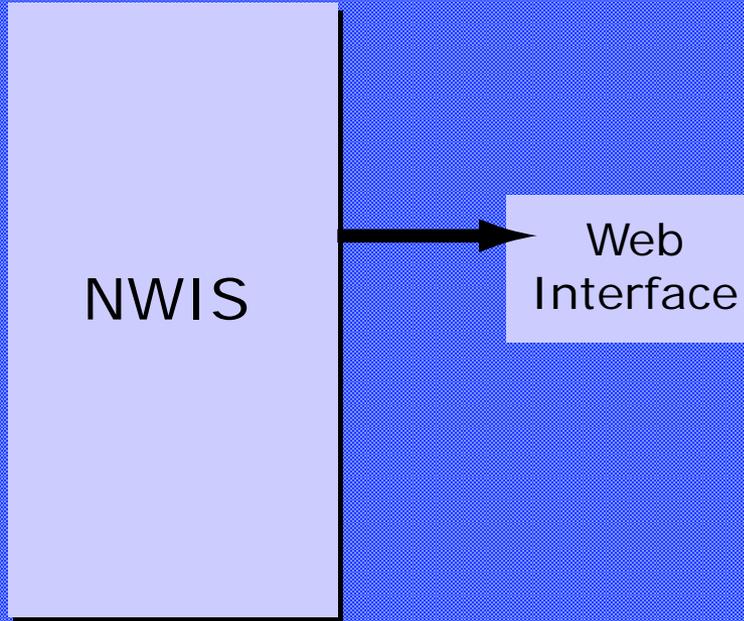
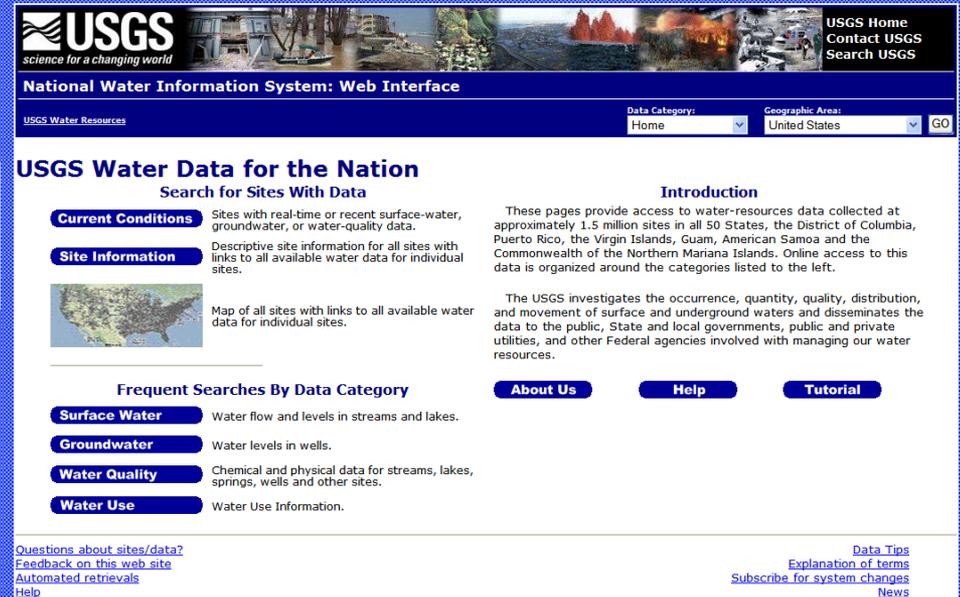
NWUG represents all users and solicits any suggestions or ideas that may help USGS to improve dissemination of water data.

# Water-Resources Data Collection



# Data Distribution - NWIS

<http://waterdata.usgs.gov>

**USGS**  
science for a changing world

**National Water Information System: Web Interface**

USGS Water Resources

Data Category: Home Geographic Area: United States GO

**USGS Water Data for the Nation**  
Search for Sites With Data

**Current Conditions** Sites with real-time or recent surface-water, groundwater, or water-quality data.

**Site Information** Descriptive site information for all sites with links to all available water data for individual sites.

 Map of all sites with links to all available water data for individual sites.

**Frequent Searches By Data Category**

- Surface Water** Water flow and levels in streams and lakes.
- Groundwater** Water levels in wells.
- Water Quality** Chemical and physical data for streams, lakes, springs, wells and other sites.
- Water Use** Water Use Information.

**Introduction**

These pages provide access to water-resources data collected at approximately 1.5 million sites in all 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands. Online access to this data is organized around the categories listed to the left.

The USGS investigates the occurrence, quantity, quality, distribution, and movement of surface and underground waters and disseminates the data to the public, State and local governments, public and private utilities, and other Federal agencies involved with managing our water resources.

**About Us** **Help** **Tutorial**

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)

[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

# USGS Water-Resources Data

- 1.57 million sites
  - 35.7 K sites with daily data
  - 13.6 K sites with instantaneous data
  - 53.7 K sites with surface-water meas.
  - 845 K sites with groundwater levels
  - 386 K sites with water-quality data

# USGS Water-Resources Data

- 1.57 million sites
  - 344 million daily values (~1 M years)
  - 328 million instantaneous values (9400 years)
  - 0.73 million annual streamflow peaks
  - 5.1 million water-quality samples
  - 96 million discrete water-quality results



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Home

Geographic Area:

United States

GO

# USGS Water Data for the Nation

## Search for Sites With Data

### Current Conditions

Sites with real-time or recent surface-water, groundwater, or water-quality data.

### Site Information

Descriptive site information for all sites with links to all available water data for individual sites.



Map of all sites with links to all available water data for individual sites.

## Frequent Searches By Data Category

### Surface Water

Water flow and levels in streams and lakes.

### Groundwater

Water levels in wells.

### Water Quality

Chemical and physical data for streams, lakes, springs, wells and other sites.

### Water Use

Water Use Information.

## Introduction

These pages provide access to water-resources data collected at approximately 1.5 million sites in all 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands. Online access to this data is organized around the categories listed to the left.

The USGS investigates the occurrence, quantity, quality, distribution, and movement of surface and underground waters and disseminates the data to the public, State and local governments, public and private utilities, and other Federal agencies involved with managing our water resources.

[About Us](#)

[Help](#)

[Tutorial](#)

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)

[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

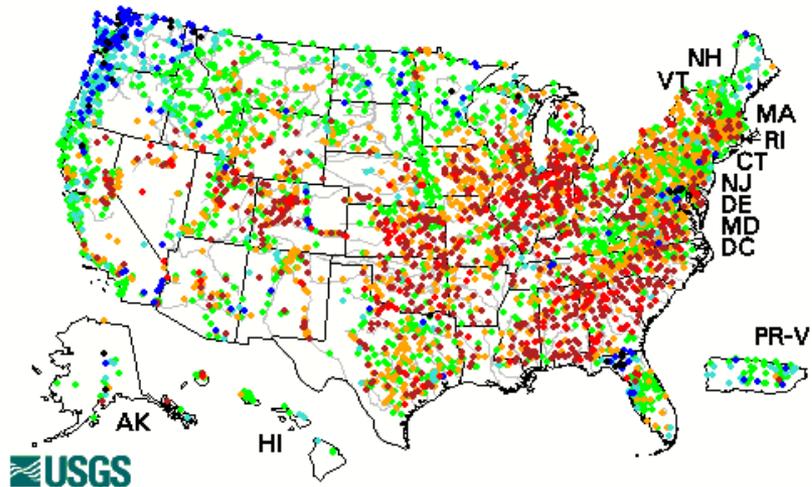
# USGS Current Water Data for the Nation

--- Predefined displays ---    Group table by    Select sites by number or name

Introduction    - no grouping -        go

## Daily Streamflow Conditions

Monday, July 09, 2012 08:30ET



### Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile
- Low
- Not ranked

The colored dots on this map depict streamflow conditions as a [percentile](#), which is computed from the period of record for the current day of the year. Only stations with at least 30 years of record are used.

The **gray circles** indicate other stations that were not ranked in percentiles either because they have fewer than 30 years of record or because they report parameters other than streamflow. Some stations, for example, measure stage only.

## Select a state from the map to access real-time data

Current data typically are recorded at 15- to 60-minute intervals, stored onsite, and then transmitted to USGS offices every 1 to 4 hours, depending on the data relay technique used. Recording and transmission times may be more frequent during critical events. Data from current sites are relayed to USGS offices via satellite, telephone, and/or radio telemetry and are available for viewing within minutes of arrival.

All real-time data are [provisional and subject to revision](#).

<a href="#">Build Current Conditions Table</a>	Show a custom current conditions summary table for one or more stations.
<a href="#">Build Time Series</a>	Show custom graphs or tables for a series of recent data for one or more stations.

# USGS Current Water Data for the Nation

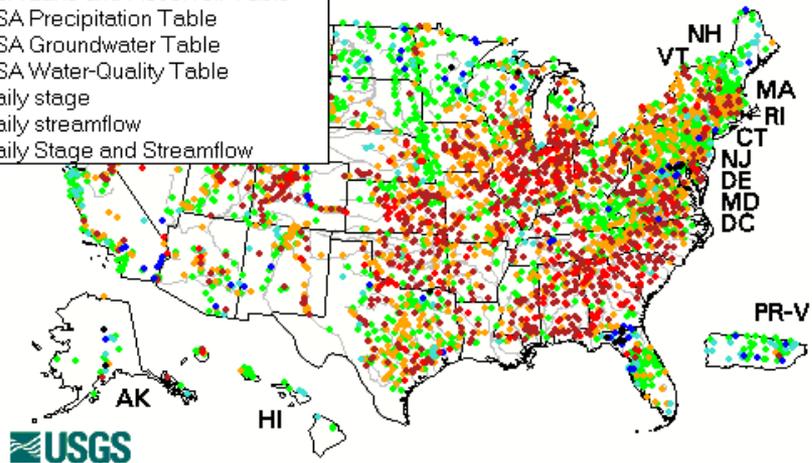
--- Predefined displays ---    Group table by    Select sites by number or name

Introduction    - no grouping -        go

- Introduction
- Build Custom Table
- WaterWatch (offsite)
- GroundwaterWatch (offsite)
- WaterQualityWatch (offsite)
- USA Streamflow Table
- USA Lake and Reservoir Table
- USA Precipitation Table
- USA Groundwater Table
- USA Water-Quality Table
- Daily stage
- Daily streamflow
- Daily Stage and Streamflow

## Flow Conditions

July 09, 2012 08:30ET



### Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile
- Low
- Not ranked

The colored dots on this map depict streamflow conditions as a percentile, which is computed from the period of record for the current day of the year. Only stations with at least 30 years of record are used.

The **gray circles** indicate other stations that were not ranked in percentiles either because they have fewer than 30 years of record or because they report parameters other than streamflow. Some stations, for example, measure stage only.

## Select a state from the map to access real-time data

Current data typically are recorded at 15- to 60-minute intervals, stored onsite, and then transmitted to USGS offices every 1 to 4 hours, depending on the data relay technique used. Recording and transmission times may be more frequent during critical events. Data from current sites are relayed to USGS offices via satellite, telephone, and/or radio telemetry and are available for viewing within minutes of arrival.

All real-time data are provisional and subject to revision.

<a href="#">Build Current Conditions Table</a>	Show a custom current conditions summary table for one or more stations.
<a href="#">Build Time Series</a>	Show custom graphs or tables for a series of recent data for one or more stations.



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#) (District Access)

Data Category:

Site Information

Geographic Area:

United States

GO

# USGS Water-Data Site Information for the Nation

## Introduction

### Site Information (1,568,912 <publicly viewable> sites)

Information for each site in the USGS data base can be retrieved for viewing and for download and import into other software, including GIS software. Includes links to all water data available for individual sites.

The Site Inventory System contains and provides access to inventory information about sites at stream reaches, wells, test holes, springs, tunnels, drains, lakes, reservoirs, ponds, excavations, and water-use facilities.

About 300 components make up the descriptive elements of the site inventory. The retrieval program can be used for retrieving information about sites in summary lists, in detailed tables, or a file suitable for input to other programs.

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)

[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources (District Access)

Data Category:

Site Information

Geographic Area:

United States

GO

# Site Inventory for the Nation

## Choose Site Selection Criteria

Choose at least one of the following criteria to constrain the number of sites selected.

- | Site<br>-- Location --                                       | Site<br>-- Identifier --   | Site<br>-- Attribute --   | Data<br>-- Attribute --                                |
|--|--|---|--|
| <input type="checkbox"/> <a href="#">?</a> State/Territory   | <input type="checkbox"/> <a href="#">?</a> Site Name             | <input type="checkbox"/> <a href="#">?</a> Site type                  | <input type="checkbox"/> <a href="#">?</a> Update time |
| <input type="checkbox"/> <a href="#">?</a> Hydrologic Region | <input type="checkbox"/> <a href="#">?</a> Site Number           | <input type="checkbox"/> <a href="#">?</a> Altitude                   |  |
| <input type="checkbox"/> <a href="#">?</a> Lat-Long box      | <input type="checkbox"/> <a href="#">?</a> Multiple Site Numbers | <input type="checkbox"/> <a href="#">?</a> Drainage area              |  |
|  | <input type="checkbox"/> <a href="#">?</a> Agency Code           | <input type="checkbox"/> <a href="#">?</a> Data type                  |  |
|  | <input type="checkbox"/> <a href="#">?</a> File of Site Numbers  | <input type="checkbox"/> <a href="#">?</a> Well depth                 |  |
|  |  | <input type="checkbox"/> <a href="#">?</a> Hole depth                 |  |
|  |  | <input type="checkbox"/> <a href="#">?</a> National aquifer (by code) |  |
|  |  | <input type="checkbox"/> <a href="#">?</a> National aquifer (by name) |  |
|  |  | <input type="checkbox"/> <a href="#">?</a> Local aquifer (by code)    |  |
|  |  | <input type="checkbox"/> <a href="#">?</a> Local aquifer (by name)    |  |

Submit

Reset

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)

[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

## USGS Surface-Water Data for the Nation

### Current Conditions (9,427 <publicly viewable> sites)

Current conditions at selected sites based on the most recent data from on-site automated recording equipment. Measurements are commonly recorded at a fixed interval of 15- to 60-minutes and transmitted to the USGS every hour. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). Most current data are provisional.

### Historical Observations (11,031 <publicly viewable> sites)

The same data accessed by the Current Conditions link above but including both active and discontinued sites with data for any part of the period October 1, 2007, through the present. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision).

### Daily Data (25,888 <publicly viewable> sites)

Summary of all data for each day for the period of record and may represent the daily mean, median, maximum, minimum, and/or other derived value. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). [Example](#).

### Statistics (24,092 <publicly viewable> sites)

**Daily**      **Monthly**      **Annual**

Statistics are computed from approved daily mean 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.

### Peak-Flow Data (28,140 <publicly viewable> sites)

Annual maximum instantaneous peak streamflow and gage height

### Field Measurements (53,696 <publicly viewable> sites)

Manual measurements of streamflow and gage height. These measurements are used to supplement and (or) verify the accuracy of the automatically recorded observations, as well as to compute streamflow based on gage height.

### Introduction

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is a comprehensive and distributed application that supports the acquisition, processing, and long-term storage of water data. Water Data for the Nation serves as the publicly available portal to a geographically seamless set of much of the water data maintained within NWIS ([additional background](#)).

Nationally, USGS surface-water data includes more than 850,000 station years of time-series data that describe stream levels, streamflow (discharge), reservoir and lake levels, surface-water quality, and rainfall. The data are collected by automatic recorders and manual [field measurements](#) at installations across the Nation.

Data are collected by field personnel or relayed through telephones or satellites to offices where it is stored and processed. The data relayed through the Geostationary Operational Environmental Satellite (GOES) system are processed automatically in near real time, and in many cases, [current data](#) are available online within minutes.

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. Approved daily data and [peak data](#) are updated annually following publication of the reports.

### Tutorial

Tutorial explaining how to perform a surface water retrieval and understand the results

## USGS Groundwater Data for the Nation

### 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 the USGS Water Data for the Nation site ([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 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 [current 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.

### Current Conditions (1,446 <publicly viewable> sites)

Current conditions at selected sites based on the most recent data from on-site automated recording equipment. Measurements are commonly recorded at a fixed interval of 15- to 60-minutes and transmitted to the USGS every hour. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). Most current data are provisional.

### Historical Observations (1,803 <publicly viewable> sites)

The same data accessed by the Current Conditions link above but including both active and discontinued sites with data for any part of the period October 1, 2007, through the present. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision).

### Daily Data (6,048 <publicly viewable> sites)

Summary of all data for each day for the period of record and may represent the daily mean, median, maximum, minimum, and/or other derived value. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). [Example](#).

### Statistics (2,717 <publicly viewable> sites)

Daily

Monthly

Annual

Statistics are computed from approved daily mean 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 Measurements (845,055 <publicly viewable> sites)

Manual measurements of depth to water in wells.

## USGS Water-Quality Data for the Nation

### Current Conditions (1,641 <publicly viewable> sites)

Current conditions at selected sites based on the most recent data from on-site automated recording equipment. Measurements are commonly recorded at a fixed interval of 15- to 60-minutes and transmitted to the USGS every hour. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). Most current data are provisional.

### Historical Observations (1,641 <publicly viewable> sites)

The same data accessed by the Current Conditions link above but including both active and discontinued sites with data for any part of the period October 1, 2007, through the present. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision).

### Daily Data (9,976 <publicly viewable> sites)

Summary of all data for each day for the period of record and may represent the daily mean, median, maximum, minimum, and/or other derived value. Values may include "Approved" (quality-assured data that may be published) and/or more recent "Provisional" data (of unverified accuracy and subject to revision). [Example.](#)

### Statistics (4,134 <publicly viewable> sites)

**Daily**      **Monthly**      **Annual**

Statistics are computed from approved daily mean 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/Lab Samples (385,853 <publicly viewable> sites)

Data from field and/or laboratory analyses of water samples, biological tissue, sediments, or other environmental samples. Data include approved, quality-assured data that may be published, and more recent provisional data, whose accuracy has not been verified.

### Introduction

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is a comprehensive and distributed application that supports the acquisition, processing, and long-term storage of water data. Water Data for the Nation serves as the publicly available portal to a geographically seamless set of much of the water data maintained within NWIS ([additional background](#)).

The USGS collects and analyzes chemical, physical, and biological properties of water, sediment and tissue samples from across the Nation. The Water Data for the Nation [discrete sample](#) data base is a compilation of over 4.4 million historical water quality analyses in the USGS district data bases through September 2005. The discrete sample data is a large and complex set of data that has been collected by a variety of projects ranging from national programs to studies in small watersheds. Users should review the [help](#) notes and particularly the [data retrieval precautions](#) before beginning any retrieval or analysis of data from this data set. Additions of more current data, modifications to ancillary information, and enhanced retrieval options to help users find and appropriately use the data they need are planned for a future release of Water Data for the Nation.

At selected surface-water and groundwater sites, the USGS maintains instruments that continuously record physical and chemical characteristics of the water including pH, specific conductance, temperature, dissolved oxygen, and percent dissolved-oxygen saturation. Supporting data such as air temperature and barometric pressure are also available at some sites. At sites where this information is transmitted automatically, data are available from the [current data](#) system. 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.

You may find additional water-quality data of interest in [EPA STORET](#).

### Tutorial

Tutorial explaining how to perform water quality retrievals and understand the results of [current data](#) and [discrete water-quality](#) measurements.



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#) (District Access)

Data Category:

Water Use

Geographic Area:

United States

GO

# USGS Water Use Data for the Nation

### Introduction

#### National Data

(1950-2005)

National water-use data are reported in billion gallons per day (thousand million gallons per day). Data are rounded to two significant figures for 1950-80, and three significant figures for 1985-2005.

The states available for each year are as follows:  
1950 for 48 States, District of Columbia, and Hawaii;  
1955 for 48 States, District of Columbia;  
1960 for 50 States, District of Columbia, Puerto Rico and U.S. Virgin Islands;  
1965-1970 for 50 States, District of Columbia, and Puerto Rico;  
1975-2005 for 50 States, District of Columbia, Puerto Rico and U.S. Virgin Islands;

To view State data, please select a state from the Geographic Area dropdown in the upper right corner.

The USGS's [National Water Use Information Program](#) compiles and publishes the Nation's water-use data ([additional background](#)). [Water use](#) refers to water that is used for specific purposes. Water-use data is collected by area type (State, county, watershed or aquifer) and source such as rivers or groundwater, and category such as public supply or irrigation. Water-use data has been reported every five years since 1950, for years ending in '0' and '5'. The USGS works in cooperation with local, State, and Federal agencies as well as academic and private organizations to collect and report total withdrawals.

Annual water-use data are expressed in units of million gallons per day (abbreviated as Mgal/d) and thousand acre-feet per year. For the irrigation category, water-use data are the average daily quantities used over a period of a year and do not represent actual daily rates. In most parts of the nation, irrigation water is applied during only a part of each year and at variable rates; therefore, the actual rate of application is much greater than the average daily rate. For all other categories, the daily quantity of water that is withdrawn may be based on daily usage or more often, monthly usage that is averaged to a daily quantity.

PLANNED  
FALL 2012

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)

[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Help System

- Home
- News
- FAQ
- Tutorials
- Search criteria and codes
- Output formats
- Policies
- Contact us

You are here: Home

### USGS Water Data for the Nation Help

An overview of this help system.

[Also available in presentation mode...](#)

This help system is designed to assist you in rapidly finding relevant information about the [USGS Water Data for the Nation web site](#) ([waterdata.usgs.gov](http://waterdata.usgs.gov)).

If in a hurry, simply enter the search term in the search box and a list of related topics will be shown. You can also view [frequently asked questions](#) or if you want to learn how to do common tasks follow one of our [tutorials](#). A list of defined USGS [search criteria and codes](#) and [parameters](#) is also available. You can also learn to [navigate the web site](#) and learn about [output formats](#). A [news page](#)  is also provided that highlights various system changes that you can subscribe to with the newsreader of your choice.

If you cannot find the information that you are looking for here, please [contact us](#). Except for weekends or holidays, we can usually respond to questions within one business day.

Filed under: [Help system](#) [USGS Water Data for the Nation](#)

#### Article Tags

- Apache web server
- Current condition**
- Excel FTP
- GNUPlot Help system
- Linux MySQL
- NWIS Perl Provisional data
- RDB Sites**
- Stations USGS Visual Identity USGS Water Data for the Nation
- WaterAlert**
- WaterWatch XML aggregated water use analyses
- automated retrievals**
- credit cron curl
- daily data**
- data mining**
- database servers
- discharge discrete data
- download**
- examples gage height
- graphs
- groundwater**
- historical data notifications output
- percentile results samples searching
- site selection stage
- streamflow**
- surface water**
- tab-delimited**
- task scheduler



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Help System

- Home
- News
- FAQ
- Tutorials
- Search criteria and codes**
- Output formats
- Policies
- Contact us

You are here: [Home](#) > [Search criteria and codes](#)

### Search criteria and codes

Search criteria are criteria that you enter to select sites of interest. Codes describe data and aid in its interpretation. This page contains links to a comprehensive set of codes used by this site which can be used as an authoritative reference.

[Site Criteria](#) | [Site Inventory Codes](#) | [Groundwater Codes](#) | [Surface Water Codes](#) | [Water Quality Codes](#)

#### Definitive list of USGS parameters

##### Site Criteria

Site criteria let you find sites of interest. Site criteria pages exist for current conditions, site information, surface water, groundwater and water quality data. Not all criteria listed below can be used for all data categories.

- **Agency Code**

The agency that is reporting the data. Agency codes are fixed values assigned by the National Water Information System (NWIS). A list of agency codes is available. [ [Tab-separated -- saved to file](#) | | [HTML](#) ]

- **Altitude**

Altitude of the site referenced to the specified Vertical Datum.

- **Aquifer Type**

Groundwater occurs in aquifers under two different conditions. Where water only partly fills an aquifer, the upper surface is free to rise and decline. These aquifers are referred to as unconfined (or water-table) aquifers. Where water completely fills an aquifer that is overlain by a confining bed, the aquifer is referred to as a confined (or artesian) aquifer. When a confined aquifer is penetrated by a well, the water level in the well will rise above the top of the aquifer (but not necessarily above land surface). Additional information is [available](#).

- **CASRN**

CAS Registry Number is a Registered Trademark of the American Chemical Society. CAS recommends the verification of the CASRNs through CAS Client ServicesSM.

- **Construction date**

Date the well was completed.



USGS Home  
Contact USGS  
Search USGS

### National Water Information System: Mapper Version 5.0 (BETA)

Search Map

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

Help

Map navigation icons: Home, Previous View, Next View, Full Screen, Refresh, Print, Layers, Scale, and a circular arrow icon.

Page Info



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Mapper Version 5.0 (BETA)

Search Map

Location

Search by Street Address:

**Search by Placename:**

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

Map navigation tools: Help, Home, Previous View, Next View, Full Screen, Refresh, Print, Scale (0 to 2mi), ESRI logo

Page Info





USGS Home  
Contact USGS  
Search USGS

### National Water Information System: Mapper Version 5.0 (BETA)

Search Map

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

**Site Information**

Site Number: 0164427403  
Site Name: BROAD RUN AT ROUTE 625  
NEAR STERLING, VA  
Agency: USGS  
[Access Data](#)

Help

Map navigation icons: Home, Previous, Next, Full Screen, Refresh, Print, Layers, Scale, etc.

Page Info



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Mapper Version 5.0 (BETA)

Search

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

Help

- 
- 
- 
- 
- 
- 
- 

Page Info

Site Group	Site Status	Map Symbol	Selectable Zoom Level	Visible	Selectable	Displayed On Map
Surface-Water	Active		8	Yes	Yes	13
Surface-Water	Inactive		8	No	Yes	1
Groundwater	Active		10	No	Yes	N/A
Groundwater	Inactive		10	No	Yes	N/A
Springs	Active		8	No	Yes	None
Springs	Inactive		8	No	Yes	N/A
Atmospheric	Active		8	No	Yes	N/A
Atmospheric	Inactive		8	No	Yes	N/A
Other	Active		8	No	Yes	N/A
Other	Inactive		8	No	Yes	N/A



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Mapper Version 5.0 (BETA)

Search Map

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- ▲ Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

Help

- 
- 
- 
- 
- 
- 
-

Status
Surface-Water
Groundwater
Springs
Atmospheric
Other

Active	Site Number	Site Name	Site Group	Status	Agency	Access Data
<input type="checkbox"/>	01644222	BROAD RUN AT ROUTE 659 AT ARCOLA, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	0164427403	BROAD RUN AT ROUTE 625 NEAR STERLING, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	01644280	BROAD RUN NEAR LEESBURG, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	01644343	SUGARLAND RUN TRIB BL CRAYTON RD NR HERNDON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	385756077201	Lk Anne Site 3 in Reston, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	0164579580	THE GLADE AT TWIN BRANCHES ROAD AT RESTON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	0164578816	SNAKEDEN BRANCH BL TWIN BRANCHES RD AT RESTON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>

Export...

Page Info



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Mapper Version 5.0 (BETA)

Search  Map

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

Surface-Water Sites

Groundwater Sites

Springs

Atmospheric Sites

Other Sites

Help

Map navigation icons: Home, Previous, Next, Full Screen, Refresh, Print, etc.

Status  
  Surface-Water  
  Groundwater  
  Springs  
  Atmospheric  
  Other

Active	Site Number	Site Name	Site Group	Status	Agency	Access Data
<input type="checkbox"/>	01644222	BROAD RUN AT ROUTE 659 AT ARCOLA, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input checked="" type="checkbox"/>	0164427403	BROAD RUN AT ROUTE 625 NEAR STERLING, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	01644280	BROAD RUN NEAR LEESBURG, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	01644343	SUGARLAND RUN TRIB BL CRAYTON RD NR HERNDON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	385756077201	Lk Anne Site 3 in Reston, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	0164579580	THE GLADE AT TWIN BRANCHES ROAD AT RESTON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
<input type="checkbox"/>	0164578816	SNAKEDEN BRANCH BL TWIN BRANCHES RD AT RESTON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>

Export...

Page Info



USGS Home  
Contact USGS  
Search USGS

### National Water Information System: Mapper Version 5.0 (BETA)

Search Map

Location

Search by Street Address:

Search by Placename:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

- ▲ Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites

**Export Sites** x

Export Format:

- Table of Sites (.html)
- List of Site Numbers (.txt)
- Microsoft Excel (.xls)
- Comma Separated (.csv)
- Tab Separated (.rdb)
- Keyhole Markup Language (.kml)
- ESRI ShapeFile (.shp)

Export

Status Surface-Water Groundwater Atmospheric Other

	Site Number	Site Name	Site Group	Status	Agency	Access Data
Active	0164427403	BROAD RUN AT ROUTE 625 NEAR STERLING, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
Inactive	01656903	FLATLICK BRANCH ABOVE FROG BRANCH AT CHANTILLY, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	0164425950	HORSEPEN RUN AB HORSEPEN RUN TRIB NR HERNDON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	01644343	SUGARLAND RUN TRIB BL CRAYTON RD NR HERNDON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	01645762	S F LITTLE DIFFICULT RUN ABOVE MOUTH NR VIENNA, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	38575607720180	Lk Anne Site 3 in Reston, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	01645704	DIFFICULT RUN ABOVE FOX LAKE NEAR FAIRFAX, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>
	0164579580	THE GLADE AT TWIN BRANCHES ROAD AT RESTON, VA	Surface-Water	Active	USGS	<a href="#">Access Data</a>

Export...



## List of Sites from NWIS Mapper

**Request Time and Date:** 2012-07-09 17:53 UTC

**Number of sites in request:** 16

**Longitude and Latitude extent of request:** West: -77.497 South 38.944 East: -77.218 North: 39.022

**Sites Type:** Surface-Water

**Sites Status:** Active

**Requested type of data for sites:** All Data

Site Number	Site Name	Agency	Link to Data
0164427403	BROAD RUN AT ROUTE 625 NEAR STERLING, VA	USGS	<a href="#">Access Data</a>
01644343	SUGARLAND RUN TRIB BL CRAYTON RD NR HERNDON, VA	USGS	<a href="#">Access Data</a>
385756077201801	Lk Anne Site 3 in Reston, VA	USGS	<a href="#">Access Data</a>
0164589340	COLVIN RUN ABOVE LAKE FAIRFAX AT RESTON, VA	USGS	<a href="#">Access Data</a>
01645931	CAPTAIN HICKORY RUN AB TRIB 1 NEAR GREAT FALLS, VA	USGS	<a href="#">Access Data</a>
01645936	CAPTAIN HICKORY RUN TRIB1 NEAR GREAT FALLS, VA	USGS	<a href="#">Access Data</a>
0164582028	DIFFICULT RUN AT BROWNS MILL ROAD AT KENMORE, VA	USGS	<a href="#">Access Data</a>
0164590968	COLVIN RUN AT MOUTH AT KENMORE, VA	USGS	<a href="#">Access Data</a>
0164585869	DIFFICULT RUN ABOVE COLVIN RUN AT KENMORE, VA	USGS	<a href="#">Access Data</a>
0164595661	PINEY RUN AT MOUTH NEAR GREAT FALLS, VA	USGS	<a href="#">Access Data</a>
0164596042	CAPTAIN HICKORY RUN AT MOUTH AT KENMORE, VA	USGS	<a href="#">Access Data</a>
0164592501	DIFFICULT RUN AB CAPTAIN HICKORY RN AT KENMORE, VA	USGS	<a href="#">Access Data</a>
0164599725	ROCK Y RUN AT MOUTH NEAR GREAT FALLS, VA	USGS	<a href="#">Access Data</a>
01646000	DIFFICULT RUN NEAR GREAT FALLS, VA	USGS	<a href="#">Access Data</a>
01645310	POTOMAC RIVER NEAR GREAT FALLS, MD	USGS	<a href="#">Access Data</a>
01646010	POTOMAC RIVER AT CROPLEY, MD	USGS	<a href="#">Access Data</a>

## Search by Site Type(s)

- Indicates location in hydrologic cycle
- Primary + optional secondary site types
  - Stream
    - Canal
    - Ditch
    - Tidal
- Aligns with USEPA site types

## Sites types

- There are 56 possible site types used in the NWIS data base, including 14 primary types and 42 secondary types.

ST – Stream (3 secondary)	GW – Well (6 secondary)
LK – Lake/reservoir	SB – Other subsurface (4 secondary)
WE – Wetland	LA – Land (5 secondary)
ES – Estuary	FA – Facility (20 secondary)
OC – Ocean (1 secondary)	AW – Aggregate water use
GL – Glacier	AG – Aggregate groundwater use
SP – Spring	AS – Aggregate surface-water use

# Search by Parameter Code

- USGS Parameter Code
  - Help finding codes:
    - Common name
    - American Chemical Society Registry Number
    - USEPA Substance Registry Services Name

USGS Water Quality Samples for Dist. of Columbia: Sample Data - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata

USGS Water Quality Samples for Dist. of Columbia: Sa...




USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category: Water Quality  
Geographic Area: Dist of Columbia GO

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

# Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

## Choose Site Selection Criteria

Found 135 sites in Dist. of Columbia with water-quality data. Choose from the following criteria to constrain the number of sites selected.

Site -- Location --	Site -- Identifier --	Site -- Attribute --	Data -- Attribute * --
<input type="checkbox"/> County	<input type="checkbox"/> Site Name	<input type="checkbox"/> Site type	<input type="checkbox"/> Number of observations
<input type="checkbox"/> Hydrologic Unit	<input type="checkbox"/> Site Number	<input type="checkbox"/> Drainage area	<input type="checkbox"/> Period of record
<input type="checkbox"/> Lat-Long box	<input type="checkbox"/> Multiple Site Numbers	<input type="checkbox"/> Well depth	<input type="checkbox"/> Sample medium type
	<input type="checkbox"/> Agency Code	<input type="checkbox"/> Hole depth	<input checked="" type="checkbox"/> Parameter Codes
	<input type="checkbox"/> File of Site Numbers	<input type="checkbox"/> National aquifer (by code)	<input type="checkbox"/> File of Parameter Codes
		<input type="checkbox"/> National aquifer (by name)	<input type="checkbox"/> Parameter groupings
		<input type="checkbox"/> Local aquifer (by code)	
		<input type="checkbox"/> Local aquifer (by name)	

*\* Selection of more than one data attribute will include all samples that meet all conditions selected.*

Submit Reset

USGS Water Quality Samples for Dist. of Columbia: Sample Data - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata?search\_criteria=multiple\_parameter\_cds&submitted\_fi

USGS Water Quality Samples for Dist. of Columbia: Sa...

# Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

## Select sites and/or samples which meet the following criteria:

Define one or more values for each of the following site-selection criteria: --- or select [new criteria](#)

---

**Parameter Codes** -- enter one or more parameter codes (Limit: 200 codes) ([Help finding a code](#))

00631

---

## Choose Output Format

### Display Summary of Selected Sites

Choose one of the following options for displaying descriptions of the sites meeting the criteria above:

**Table of sites sorted** by Site number grouped by

Scroll list of sites -- allows selection of data for multiple sites

Brief descriptions -- allows selection of data for multiple sites

Site-description information displayed in table format

Agency  
Site identification number  
Site name  
Site type <--Select fields to include in site-description output

Save file of selected sites to local disk for future upload

## Retrieve Water-Quality Samples for Selected Sites

# Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

## Site Selection Results -- 69 sites found

Parameter codes = 00631  
 Minimum number of samples = 1

[Save file of selected sites](#) to local disk for future upload

Data for individual sites can be obtained by selecting the site number below

Agency	Site Number	Site Name	Period of Record		
			Begin Date	End Date	Samples
USGS	<a href="#">01646563</a>	MILL CREEK TRIB NR DALECARLIA RES AT WASHINGTON DC	2007-12-10	2007-12-10	1
USGS	<a href="#">01646565</a>	EAST CREEK NR DALECARLIA RES AT WASHINGTON, DC	2006-08-08	2007-12-10	2
USGS	<a href="#">0164656550</a>	EAST CREEK TRIB NR DALECARLIA RES AT WASHINGTON DC	2007-12-10	2007-12-10	1
USGS	<a href="#">01646566</a>	EAST CREEK AT DALECARLIA RES AT WASHINGTON, DC	2006-08-08	2007-12-10	2
USGS	<a href="#">01647505</a>	POTOMAC RIVER TRIBUTARY AT WASHINGTON, DC	1994-09-21	1994-09-21	1
USGS	<a href="#">01647595</a>	POTOMAC RIVER AT KEY BRIDGE AT WASHINGTON, DC	2004-06-14	2009-12-07	9
USGS	<a href="#">01647998</a>	ROCK CREEK BELOW WEST BEACH DRIVE WASHINGTON, DC	1999-06-23	1999-06-23	1
USGS	<a href="#">01648000</a>	ROCK CREEK AT SHERRILL DRIVE WASHINGTON, DC	1959-10-01	1999-08-18	149
USGS	<a href="#">01648004</a>	PINEHURST BRANCH AT OREGON AVENUE WASHINGTON, DC	1999-06-24	1999-06-24	1
		ROCK CREEK TRIBUTARY AT GOLF COURSE	1999-06-	2004-05-	

USGS Water Quality Samples -- 1 sites found - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata/?site\_no=01647595&multiple\_parameter\_cds=C

USGS Water Quality Samples -- 1 sites found

## Choose Output Format

### Retrieve Water-Quality Samples for Selected Sites

Choose one of the following options for displaying data for the sites meeting the criteria above:

- Parameter Group Period of Record table
- Retrieve data from:  to:  (YYYY-MM-DD -- **Blank = all data**)
  - Retrieve sample time and time zone  as stored  in UTC
- Samples and parameters to include:
  - Only samples that include site selection parameters (Count: 1) 00631
  - All samples and all parameters
  - Samples that include one or more of these parameters (Limit: 200 codes)
 

<--Find [parameter codes](#)
  - Samples that include one or more of the parameters in a file
 

Enter the full pathname of a file containing parameter codes. (Limit: 200 codes)
- Table of data** 
  - Inventory of water-quality data
  - Tab-separated inventory of water-quality data  \*
  - Tab-separated data

\* Save compressed files with a .gz file extension.

---

[Questions about sites/data?](#) [Top](#)

[Feedback on this web site](#) [Explanation of terms](#)

[Automated retrievals](#) [Subscribe for system changes](#)

[Help](#) [News](#)

## USGS 01647595 POTOMAC RIVER AT KEY BRIDGE AT WASHINGTON, DC

Available data for this site

District Of Columbia County, Dist. of Columbia  
 Hydrologic Unit Code 02070010  
 Latitude 38°54'08", Longitude 77°04'11" NAD27

### Output formats

- [Parameter Group Period of Record table](#)
- [Inventory of available water-quality data for printing](#)
- [Inventory of water-quality data with retrieval](#)
- [Tab-separated data, one result per row](#)
- [Tab-separated data one sample per row with remark codes combined with values](#)
- [Tab-separated data one sample per row with tab-delimiter for remark codes](#)
- [Reselect output format](#)

Sample Datetime	Time datum	Time datum reliability code	Sample Medium Code	Agency Collecting Sample, Code	Nitrate + nitrite water, fltrd, mg/L as N (00631)
2004-06-14 12:00	EST	K	WS	USGS-WRD	1.71
2005-03-14 12:00	EST	K	WS	USGS-WRD	1.33
2006-12-11 10:00	EST	K	WS		1.78
2007-06-18 09:30	EST	K	WS		0.89
2007-12-10 10:45	EST	K	WS	USGS	1.10
2008-06-09 10:00	EST	K	WS		0.98
2008-12-15 09:30	EST	K	WS	USGS	1.29
2009-09-14 10:30	EST	K	WS		0.39

# Search by Parameter Group

- Information
- Physical
- Inorganics, Major, Metals
- Inorganics, Major Non-metals
- Nutrient
- Microbiological
- Biological
- Inorganics, Minor, metals
- Inorganics, Minor, Non-metals
- Organics, pesticide
- Organics, PCBs
- Organics, other
- Radiochemistry
- Stable Isotopes
- Sediment
- Population/Community
- Habitat
- Toxicity
- Other

USGS Water Quality Samples for Dist. of Columbia: Sample Data - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata

USGS Water Quality Samples for Dist. of Columbia: Sa...




USGS Home  
Contact USGS  
Search USGS

**National Water Information System: Web Interface**

USGS Water Resources

Data Category: Water Quality  
Geographic Area: Dist of Columbia GO

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

## Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

### Choose Site Selection Criteria

Found 135 sites in Dist. of Columbia with water-quality data. Choose from the following criteria to constrain the number of sites selected.

Site -- Location --	Site -- Identifier --	Site -- Attribute --	Data -- Attribute * --
<input type="checkbox"/> <input checked="" type="checkbox"/> County	<input type="checkbox"/> <input checked="" type="checkbox"/> Site Name	<input type="checkbox"/> <input checked="" type="checkbox"/> Site type	<input type="checkbox"/> <input checked="" type="checkbox"/> Number of observations
<input type="checkbox"/> <input checked="" type="checkbox"/> Hydrologic Unit	<input type="checkbox"/> <input checked="" type="checkbox"/> Site Number	<input type="checkbox"/> <input checked="" type="checkbox"/> Drainage area	<input type="checkbox"/> <input checked="" type="checkbox"/> Period of record
<input type="checkbox"/> <input checked="" type="checkbox"/> Lat-Long box	<input type="checkbox"/> <input checked="" type="checkbox"/> Multiple Site Numbers	<input type="checkbox"/> <input checked="" type="checkbox"/> Well depth	<input type="checkbox"/> <input checked="" type="checkbox"/> Sample medium type
	<input type="checkbox"/> <input checked="" type="checkbox"/> Agency Code	<input type="checkbox"/> <input checked="" type="checkbox"/> Hole depth	<input type="checkbox"/> <input checked="" type="checkbox"/> Parameter Codes
	<input type="checkbox"/> <input checked="" type="checkbox"/> File of Site Numbers	<input type="checkbox"/> <input checked="" type="checkbox"/> National aquifer (by code)	<input type="checkbox"/> <input checked="" type="checkbox"/> File of Parameter Codes
		<input type="checkbox"/> <input checked="" type="checkbox"/> National aquifer (by name)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Parameter groupings
		<input type="checkbox"/> <input checked="" type="checkbox"/> Local aquifer (by code)	
		<input type="checkbox"/> <input checked="" type="checkbox"/> Local aquifer (by name)	

*\* Selection of more than one data attribute will include all samples that meet all conditions selected.*

Submit Reset

USGS Water Quality Samples for Dist. of Columbia: Sample Data - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata?search\_criteria=param\_group&submitted\_form=introc

# Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

**Select sites and/or samples which meet the following criteria:**  
 Define one or more values for each of the following site-selection criteria: --- or select [new criteria](#)

**Parameter groupings** -- select one or more

- All -- include all parameter groups
- Information
- Physical**
- Organics Major Metals
- Inorganics Major Non-metals
- Nutrient

**Choose Output Format**  
**Display Summary of Selected Sites**  
 Choose one of the following options for displaying descriptions of the sites meeting the criteria above:

- Table of sites sorted by Site number grouped by
- Scroll list of sites -- allows selection of data for multiple sites
- Brief descriptions -- allows selection of data for multiple sites
- Site-description information displayed in table format

Agency  
 Site identification number  
 Site name  
 Site type

<--Select fields to include in site-description output

- Save file of selected sites to local disk for future upload

**Retrieve Water-Quality Samples for Selected Sites**

USGS Water Quality Samples -- 124 sites found - Microsoft Internet Explorer provided by MD-DC-DE WSC

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata?param\_group=PHY&format=station\_list&sort\_key=sit

USGS Water Quality Samples -- 124 sites found

## Water Quality Samples for Dist. of Columbia

Some complex retrievals may take a few minutes.

### Site Selection Results -- 124 sites found

Parameter Groups = [PHY] Physical  
Minimum number of samples = 1

[Save file of selected sites](#) to local disk for future upload

Data for individual sites can be obtained by selecting the site number below

Agency	Site Number	Site Name	Period of Record		
			Begin Date	End Date	Samples
USGS	<a href="#">01646563</a>	MILL CREEK TRIB NR DALECARLIA RES AT WASHINGTON DC	2007-12-10	2007-12-10	1
USGS	<a href="#">01646565</a>	EAST CREEK NR DALECARLIA RES AT WASHINGTON, DC	2006-08-08	2007-12-10	2
USGS	<a href="#">0164656550</a>	EAST CREEK TRIB NR DALECARLIA RES AT WASHINGTON DC	2007-12-10	2007-12-10	1
USGS	<a href="#">01646566</a>	EAST CREEK AT DALECARLIA RES AT WASHINGTON, DC	2006-08-08	2007-12-10	2
USGS	<a href="#">01647505</a>	POTOMAC RIVER TRIBUTARY AT WASHINGTON, DC	1994-09-21	1994-09-21	1
USGS	<a href="#">01647595</a>	POTOMAC RIVER AT KEY BRIDGE AT WASHINGTON, DC	2004-06-14	2009-12-07	9
USGS	<a href="#">01647994</a>	ROCK CREEK AT MD/DC BOUNDRY AT WASHINGTON DC	2007-06-27	2007-06-27	3
USGS	<a href="#">01647996</a>	TRIB TO FENWICK BR AT RED BUD LANE, WASHINGTON DC	2007-06-27	2007-06-27	1
USGS	<a href="#">01647997</a>	PORTAL BRANCH AT NORTH PORTAL DR, WASHINGTON, DC	1999-08-19	2008-07-29	5
.....	.....	FENWICK BRANCH ABOVE ROCK CREEK AT	2007-06-	2008-07-	-

USGS 01647595 POTOMAC RIVER AT KEY BRIDGE AT WASHINGTON, DC Water Quality Data - Microsoft Internet Explorer provided by MD-DC-

http://nwis.waterdata.usgs.gov/dc/nwis/qwdata/?site\_no=01647595&agency\_cd=USGS&TZoutput=08

USGS 01647595 POTOMAC RIVER AT KEY BRIDGE AT ...

### USGS 01647595 POTOMAC RIVER AT KEY BRIDGE AT WASHINGTON, DC

Available data for this site: Water-Quality: Field/Lab samples

District Of Columbia County, Dist. of Columbia  
 Hydrologic Unit Code 02070010  
 Latitude 38°54'08", Longitude 77°04'11" NAD27

**Output formats**

- [Parameter Group Period of Record table](#)
- [Inventory of available water-quality data for printing](#)
- [Inventory of water-quality data with retrieval](#)
- [Tab-separated data, one result per row](#)
- [Tab-separated data one sample per row with remark codes combined with values](#)
- [Tab-separated data one sample per row with tab-delimiter for remark codes](#)
- [Reselect output format](#)

Sample Datetime	Time datum	Time datum reliability code	Sample Medium Code	Agency Collecting Sample, Code	Temperature, water, deg C (00010)	Agency analyzing sample, code (00028)	Project number (00029)	Specific conductance, wat unfiltered @ 25 degC (00095)	Hydrogen ion, water, unfiltered calcd, mg/L (00191)	Dissolved oxygen mg (003)
2004-06-14 12:00	EST	K	WS	USGS-WRD		80020	11800			
2005-03-14 12:00	EST	K	WS	USGS-WRD		80020	11800	243	0.00017	
2006-12-11 10:00	EST	K	WS		3.0	80020	11800	284	0.00001	
2007-06-18 09:30	EST	K	WS		25.8			351	0.00002	
2007-12-10 10:45	EST	K	WS	USGS	3.8			460	0.00003	
2008-06-09 10:00	EST	K	WS					280	0.00001	

## Instantaneous values

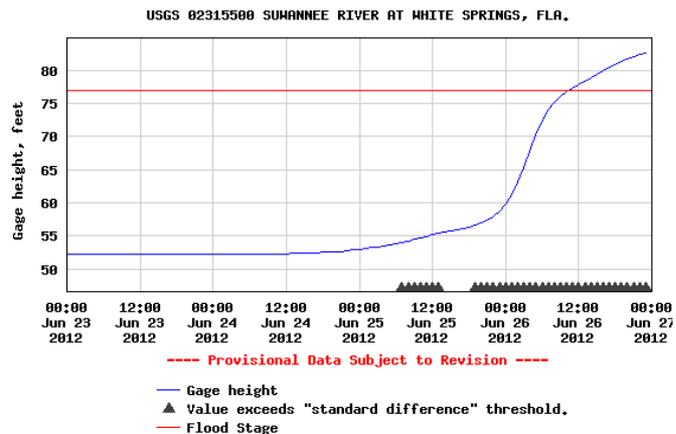
- All available beginning October 1, 2007
- Previous values available in Fall 2012

## Graphics enhancements

- Graphs show continuous daily data and SW/GW measurements
- Graphs can show a reference line such as a flood stage, and force its inclusion
- Dual axes for temperature and multiple elevation datums
- WaterAlert subscription

### Gage height, feet

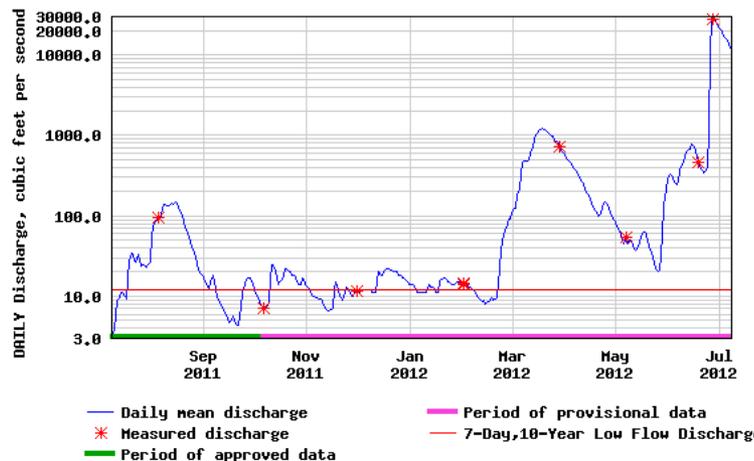
Most recent instantaneous value: 78.21 07-09-2012 13:00 EDT



Create [presentation-quality](#) graph. Subscribe to [WaterAlert](#) P00065 DD02

### Discharge, cubic feet per second

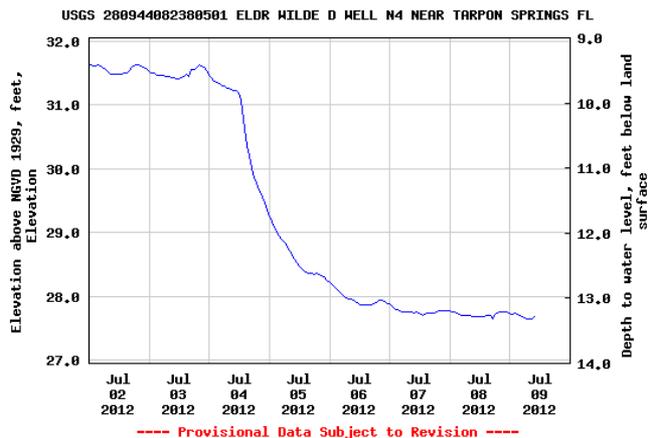
USGS 02315500 SUMANNEE RIVER AT WHITE SPRINGS, FLA.



Create [presentation-quality](#) graph. P00060 DD01

### Elevation above NGVD 1929, feet, Elevation

Most recent instantaneous value: 27.67 07-09-2012 10:00 EDT

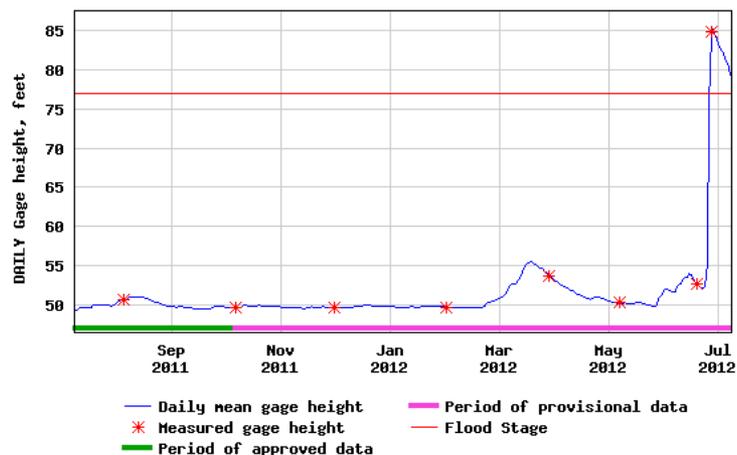


Create [presentation-quality](#) / [stand-alone](#) graph. Subscribe to [WaterAlert](#) P72020 DD01

[Share this graph](#) | [Facebook](#) [Twitter](#) [Email](#) [Print](#)

### Gage height, feet

USGS 02315500 SUMANNEE RIVER AT WHITE SPRINGS, FLA.



Create [presentation-quality](#) graph. P00065 DD02

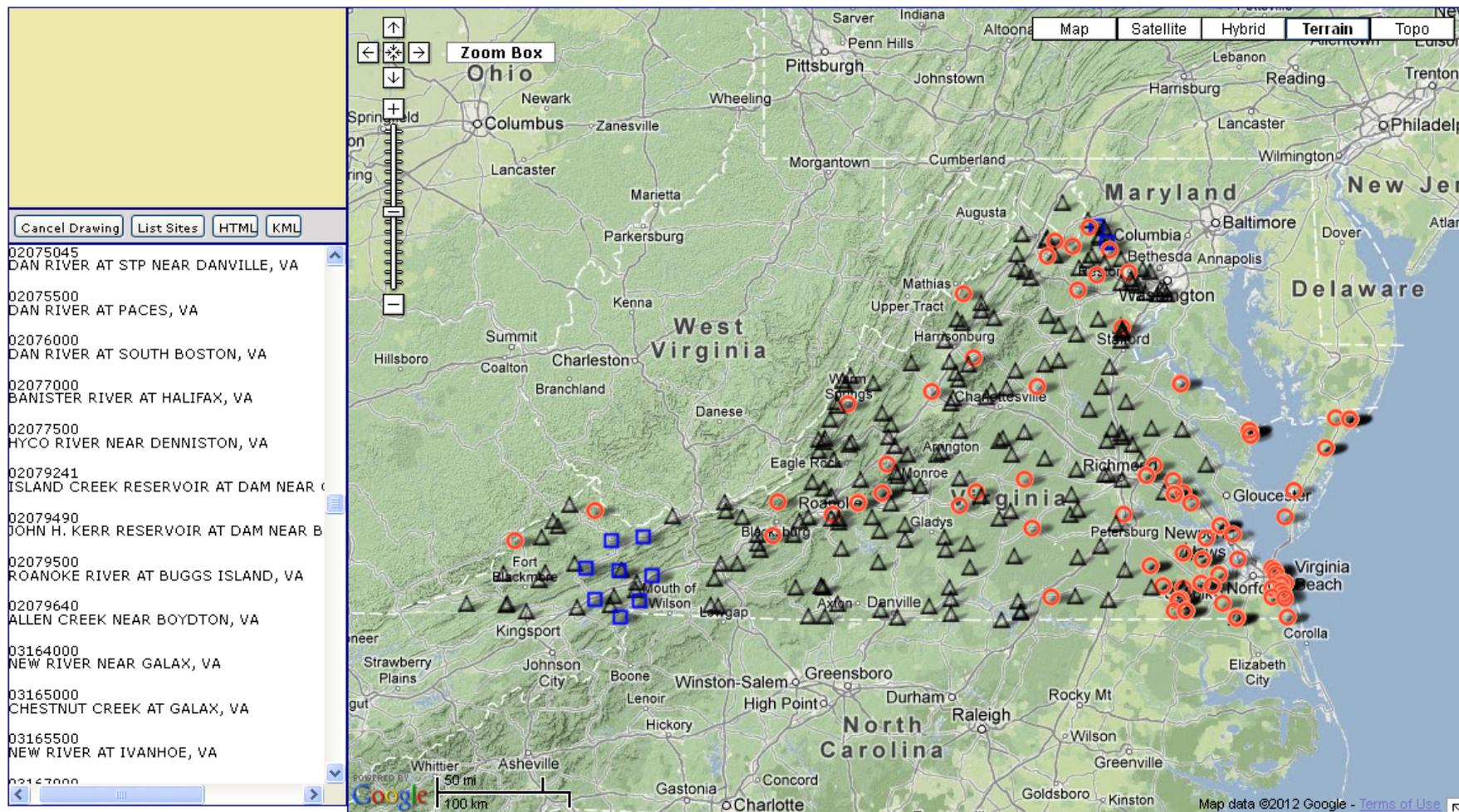
## Other web enhancements

- Increase in the maximum allowable download size to 100,000 records
- Show results of a site search on a map
- Modernized help system

Sites Mapper

Explanation of Symbols

Instructions | Disclaimer



## Web data services

<http://waterservices.usgs.gov/>

- Site service
- Daily values service
- Instantaneous values service
- Groundwater levels service
- Water-quality data service

<http://qwwservices.usgs.gov/>

## USGS Water Services

[Home](#) [REST Web Services](#) [SOAP Web Services](#) [Documentation](#) [Examples](#) [Links](#)

## Water Service Shortcuts

- > [Instantaneous Values Service](#) for **real-time** data and historical data since October 1, 2007
- > [Site Service](#)
- > [Daily Values Service](#)
- > [Groundwater Levels Service](#)
- > [Water Quality Service](#)
- > [Frequently Asked Questions](#)
- > [Writing Fault-Resistant Code](#)

## Service Example

This example uses a USGS water web service, as well as [AJAX](#), [JSON](#) and [jQuery](#) Web 2.0 technologies.

USGS Site No.  [Find sites](#)

## Tips

## Join the USGS Water Data Notification Service

While all USGS water web services strive to be highly available and accurate, there may be occasional system issues that may impact one or more services. In addition, older versions of the service may be replaced with newer versions, possibly impacting your usage. To stay informed, you are advised to join the [USGS Water Data for the Nation Notification List](#). We won't spam you and you should receive relatively few but important emails of significant system events, upgrades or new web services.

## Writing Fault Resistant Applications with USGS Water Data

Developers can usually quickly create a program to retrieve and process data using these web services. Writing programs that are unlikely to break if the service changes may require adopting some of USGS suggested best practices. If you are a software developer, please read our [writing fault-resistant code page](#) before creating a program. And thanks.

## USGS Water Services

This site serves [USGS water data](#) via automated means using [web services](#) and [extensible markup language \(XML\)](#) as well as other popular media types. Services can be invoked with the [REST](#) protocol. These services designed for high fault tolerance and very high availability. You will find this site very useful if you to periodically acquire and process USGS water data.

## Water Services News

[Complete water services news log](#)



USGS hydrologist at work

## Service Highlights

## USGS Instantaneous Values Web Service

Need current data? Try this service! Retrieve current streamflow and other real-time data for one or multiple sites, using sets of flexible, predefined filters, since October 1, 2007. Data are available in [WaterML](#), [JSON](#) and in a tab-delimited format with more formats, like Microsoft Excel, to come. [Learn more about the web service](#) or [test the web service](#).

## USGS Site Service

Need USGS water site data? A [rich new site service](#) is now available as a production service. The service allows searches for USGS sites and site information using a variety of flexible filters. A [test tool](#) is also available. Output formats include tab-delimited and KML formats (used with Google Earth and Google Maps). Geography Markup Language (GML) is planned for a future release.

## USGS Daily Values Service

Interested in historical summarized daily data about our nation's streams, lakes and wells? This service provides a wealth of historical water data. Daily data available for USGS water sites include mean, median, maximum, minimum, and/or other derived values. [Learn more](#) and [test the service](#).

## USGS Water Quality Web Services

The USGS and the U.S. Environmental Protection Agency (EPA) each collect vast amounts of water quality data. A jointly developed web service allows you to retrieve data for millions of quality checked water quality samples and results. Find out more at the [Water Quality Web Services web site](#).

## USGS Groundwater Levels Web Service

Use this service to retrieve historical manually-recorded groundwater levels from hydrologic sites served by the USGS. (If you are looking to retrieve data for real-time or historical groundwater levels recorded on a regular basis using automated equipment, please use the [instantaneous values web service](#).)

## Product Showcase

[Find products and applications](#) using services on this site. Submit your own!

