

# Open Access Datasets from Federal Government Agencies

Suzanne Reinman, Government Documents  
suzanne.reinman@okstate.edu

Oklahoma State University Library

# Finding U.S. Government Open Access Data Sets

- **Data and data sets published by U.S. government agencies are open access and are available to researchers to use**
  - **Learn the key access points for finding federal data**

# Open Data

# Open Data

- **Open data** is data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to *attribute and share-alike*.

Cite as any other resource

- Available and easily accessed
- Re-use and redistribution permitted
- Universal participation
- Interoperability (between computer systems)
  - Structured data that is machine-readable (CSV, XML, JSON, etc.)
- **Produced by governments**
  - **Select research data is also open**

**Open Data Handbook**, [opendatahandbook.org/](https://opendatahandbook.org/)

What is Open data, [opendatahandbook.org/guide/en/what-is-open-data/](https://opendatahandbook.org/guide/en/what-is-open-data/)

See **Project Open Data**, [project-open-data.cio.gov/](https://project-open-data.cio.gov/)

See also SPARC, [sparcopen.org/open-data/](https://sparcopen.org/open-data/)

# Why Open Data

- Open data, especially open government data, is a tremendous resource that is largely underutilized.
- Governments produce a great amount of data and government data is public by law making it open and made available for others to use.

*Open Data Handbook*, [opendatahandbook.org/](https://opendatahandbook.org/)

Why Open data, [opendatahandbook.org/guide/en/why-open-data/](https://opendatahandbook.org/guide/en/why-open-data/)

# FAIR Principles

## ■ FAIR principles

- To improve the Findability, Accessibility, Interoperability, and Reuse of digital assets
  - In 2016, the '[FAIR Guiding Principles for scientific data management and stewardship](#)' were published in *Scientific Data*.
  - **The ultimate goal of FAIR is to optimise the reuse of data**
  - [www.go-fair.org/fair-principles/](http://www.go-fair.org/fair-principles/)

**FAIR principles for data are increasingly being applied to government data sources**

## *U.S. Government* Data and Statistics

- The U.S. Government is the largest publisher in the world and produces primary source data and statistics
  - Federal information is open and free and without copyright
- Researchers/information professionals: identify sets that may be useful for research – reuse instead of creating data sets on your own

# Open Federal Data

- Data results from U.S. agency missions, research within the agency, or research that they fund through grants.
  - The 2013 Federal **Open Data Policy** and 2018 **Open Government Data Act** require federal agencies to publish their information online as open data, using standardized, machine-readable data formats, with their metadata included in the Data.gov catalog
  - **Federally funded research** has specific data publishing requirements

Making government more open and supporting scientific discovery

<https://www.digitalgov.gov/open-data-policy-m-13-13/>

<https://data.gov/open-gov/>



# Directories for open *government* (global) data

## ■ Open Data Repositories

- There is not one comprehensive directory for all open data
  - \*U.S. government agency sources included but not comprehensive

- \**Open Access Directory – Data Repositories*

- [oad.simmons.edu/oadwiki/Data\\_repositories](http://oad.simmons.edu/oadwiki/Data_repositories)
- List of repositories and databases for open data by subject



- \**Registry of Research Data Repositories*

- [re3data.org](http://re3data.org)
- Global registry of research data repositories



# List of Open Government Data Sites (Global) – Wikipedia

WIKIPEDIA The Free Encyclopedia

Photograph a historic site, help Wikipedia, and win a prize. Participate in the world's largest photography competition this month! [Learn more](#)

## List of open government data sites

[Add language](#)

[Contents](#) [\[hide\]](#)

**(Top)**

- List of Supranational Open Government Data Sites
  - List of national-level open government data sites
    - Unofficial National-level Data Sites
  - List of Subnational Open Government Data Sites
  - List of Municipal Open Government Data Sites
- See also
- External links
- References

Article [Talk](#) [Read](#) [Edit](#) [View history](#)

From Wikipedia, the free encyclopedia

*This is a dynamic list and may never be able to satisfy particular standards for completeness. You can help by adding missing items with reliable sources.*

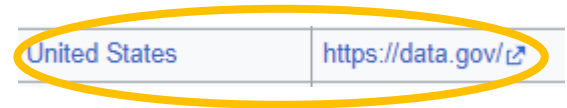
Many governments publish open data they produce or commission on official websites to be freely used, reused, or redistributed by anyone.<sup>[1][2]</sup> The sites are often created as part of open government initiatives.

Some open data sites like CKAN and DKAN are open source data portal solutions where as others like Socrata are proprietary data portal solution

The data sites provide interfaces based on Data and Metadata standards like Dublin core.

### List of Supranational Open Government Data Sites [\[edit\]](#)

Organization	Website
Asia Open Data Partnership	<a href="https://dataportal.asia/home">https://dataportal.asia/home</a>
ASEAN	<a href="https://data.aseanstats.org/">https://data.aseanstats.org/</a>
European Union	<a href="https://data.europa.eu/en">https://data.europa.eu/en</a>
Global Covenant of Mayors	<a href="https://dataportalforcities.org/">https://dataportalforcities.org/</a>
International Monetary Fund	<a href="https://data.imf.org/">https://data.imf.org/</a>
OECD	<a href="https://data.oecd.org/">https://data.oecd.org/</a>
Pacific Community	<a href="https://pacificdata.org/">https://pacificdata.org/</a>
United Nations	UNESCO: <a href="http://data.uis.unesco.org/">http://data.uis.unesco.org/</a> OCHA: <a href="https://data.humdata.org/">https://data.humdata.org/</a>
World Bank	<a href="https://data.worldbank.org/">https://data.worldbank.org/</a>
World Health Organization	<a href="https://www.who.int/data/">https://www.who.int/data/</a>
World Trade Organization	<a href="https://data.wto.org/">https://data.wto.org/</a>



[en.wikipedia.org/wiki/List of open government data sites](https://en.wikipedia.org/wiki/List_of_open_government_data_sites)

See also [data.gov/open-gov/](https://data.gov/open-gov/)

### List of national-level open government data sites [\[edit\]](#)

Government	Website	Portal Solution
Argentina	<a href="https://datos.gob.ar/">https://datos.gob.ar/</a>	CKAN
Australia	<a href="https://data.gov.au/">https://data.gov.au/</a>	CKAN
Austria	<a href="https://www.data.gv.at/">https://www.data.gv.at/</a>	
Azerbaijan	<a href="https://www.opendata.az/">https://www.opendata.az/</a>	Custom
Bahrain	<a href="https://www.data.gov.bh/">https://www.data.gov.bh/</a>	
Bangladesh	<a href="http://data.gov.bd/">http://data.gov.bd/</a>	
Belarus	<a href="https://opendata.by/">https://opendata.by/</a>	
Belgium	<a href="http://data.gov.be/">http://data.gov.be/</a>	
Bosnia and Herzegovina	<a href="https://cbbh.ba/Content/Read/1133#">https://cbbh.ba/Content/Read/1133#</a>	
Brazil	<a href="https://dados.gov.br/">https://dados.gov.br/</a>	
Brunei	<a href="https://www.data.gov.bn/">https://www.data.gov.bn/</a>	

# Directories for open *university* research and data

## ■ Research Data Repositories

- **Researchers upload research/data**, DOI assigned
- Limited content available for reuse, dependent on reuse license
- Mostly for universities/academic community
- Do not include government
- Figshare, Dryad, Open Science Framework, institutional repositories etc.
  
- Federal agency repositories for data/research from federally sponsored or internal research

# Finding *U.S. Government* Open Data Sets

# Locating Federal Open Access Data Sets

- Data.gov — (*Start here, will not include all sets*)
- Agency websites
  - USA.gov
  - Data catalogs
  - Statistical agencies
- Sites by Subject
  - Science.gov
- Agency repositories
- Google Dataset Search

Data.gov

Data.gov is the United States government's open data website.

For details on Data.gov's new home page redesign, please click [here](#).

## Open Government

Data.gov is the federal government's open data site, and aims to make government more open and accountable. Opening government data increases citizen participation in government, creates opportunities for economic development, and informs decision making in both the private and public sectors.

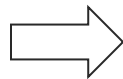
Data.gov implements The OPEN Government Data Act (Title II of the Foundations for Evidence-Based Policymaking Act of 2018, Public Law 115-435). The OPEN Government Data Act makes Data.gov a requirement in statute, rather than a policy. It requires federal agencies to publish their information online as open data, using standardized, machine-readable data formats, with their metadata included in the Data.gov catalog.

Data.gov is working with an expanded group of federal agencies to include their datasets in Data.gov as they implement the law. In addition, the law requires that GSA work with the Office of Management and Budget and the Office of Government Information Services to establish an "online repository of tools, best practices, and schema standards to facilitate the adoption of open data practices across the Federal Government." That repository can be found at [resources.data.gov](#).

Data.gov was built with open source software. Anyone, especially local, state, and foreign governments are welcome to borrow the code behind Data.gov.

## Open Data in the United States

Numerous states, cities, and counties have launched open data sites, collaborating with these non-federal data sources, Data.gov is able to include this data in the catalog. Searches on the Data.gov catalog will return relevant datasets from both federal and non-federal sources.



Download the full list of current international open data sites: [CSV](#).

Download the full list of current open data sites in the United States: [CSV](#).

[data.ok.gov](#)

# Data.gov

Data.gov is the United States government's open data website. It provides access to datasets published by agencies across the federal government. Data.gov is intended to provide access to government open data to the public, achieve agency missions, drive innovation, fuel economic activity, and uphold the ideals of an open and transparent government.

Data.gov Home - Data.gov

data.gov

Data.gov doesn't just catalog raw data, it also includes APIs from across government. You can [browse the current catalog for APIs](#), but expect this listing to grow as agencies [include more of their APIs](#) as part of their data.json metadata in [Project Open Data](#). [data.gov/developers/apis/](#)

An official website of the United States government [Here's how you know](#)

 DATA REPO .TS OPEN GOVERNMENT CONTACT

For information regarding the CoronaVirus/COVID-19, please visit [Coronavirus.gov](#)

## The Home of the U.S. Government's Open Data

Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.

**248,505 DATASETS AVAILABLE**

Search



Most Viewed Datasets



Recently Added Datasets



Datasets by Organization



Geospatial

Oklahoma State University



# Data.gov

Water quality

## Topic Categories, Organizations

The screenshot shows the Data.gov website interface. At the top, there is a search bar with the text "Search Data.Gov" and a magnifying glass icon. Below the search bar, the navigation menu includes "DATA", "TOPICS", "RESOURCES", "STRATEGY", "DEVELOPERS", and "CONTACT". The main header area features the "DATA CATALOG" logo and a secondary search bar containing the text "water quality", which is circled in yellow. To the right of the search bar, there is an "Order by:" dropdown menu set to "Popular".

Below the search bar, the page displays "34,260 datasets found for 'water quality'". The first result is "USGS Water-Quality Data for the Nation - National Water Information System (NWIS)" with 312 recent views, labeled as "Federal". The second result is "Water Quality Data" with 237 recent views, also labeled as "Federal", and this result is circled in yellow. The third result is "U.S. Local Climatological Data (LCD)" with 156 recent views, labeled as "Federal". The fourth result is "Piping Plover Foraging Area" with 148 recent views, labeled as "State". The fifth result is "Water Quality Data" with 75 recent views, labeled as "State". The sixth result is "National Water Quality Data" with 64 recent views, labeled as "Federal".

On the left side of the page, there is a "Filter by location" section with a map and a "Topics" section listing various categories like "Local Government", "Climate", "Water", "Human Health", etc. Below the "Topics" section is a "Topic Categories" section with "Water" selected, and a "Dataset Type" section with "geospatial" selected.

- Search on main page or Data tab in menu

- Filter by:
  - Topic Categories
  - File formats
  - Organization (Agency)

# Back Bay National Wildlife Refuge


<https://www.fws.gov/refuge/back-bay>

Search Data.Gov

DATA TOPICS ▾ RESOURCES STRATEGY DEVELOPERS CONTACT

DATA CATALOG / Datasets Organizations

Department of the Interior / Fish and Wildlife Service Contact Data.gov



## Water Quality Data

Metadata Updated: October 13, 2022

Water quality data for the Refuge collected by volunteers collected once every two weeks: Turbidity, pH, Dissolved oxygen (DO), Salinity & Temperature. Sampling will occur at designated locations in the following water bodies: the Bay, D-Pool (fishing pond), C-Pool, B-Pool and A-Pool.

### Access & Use Information

**Public:** This dataset is intended for public access and use.

**License:** No license information was provided. If this work was prepared by an officer or employee of the United States government as part of that person's official duties it is considered a U.S. Government Work.

### Downloads & Resources

**BKB\_WaterQualityData\_2020084.csv**  
Back Bay Water Quality data

**Download**

**Landing Page** **Visit page**

### References

<https://ecos.fws.gov/ServCat/Reference/Profile/117348>

### Dates

Metadata Created Date	October 13, 2022
-----------------------	------------------

**Department of the Interior**  
The Department of the Interior (DOI) conserves and manages the Nation's natural resources and cultural heritage for the benefit and enjoyment of the American people, provides...  
[read more](#)

**Publisher**  
Fish and Wildlife Service

**Contact**  
Todd Sutherland

**Share on Social Sites**  
Twitter  
Facebook

AutoSave BKB\_WaterQualityData\_2020084 (4) Search

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat

Clipboard Font Alignment Number Styles

Calibri 11 A<sup>+</sup> A<sup>-</sup> B I U Wrap Text Merge & Center

General \$ % Conditional Formatting Format as Table Normal Bad Neutral Calculation

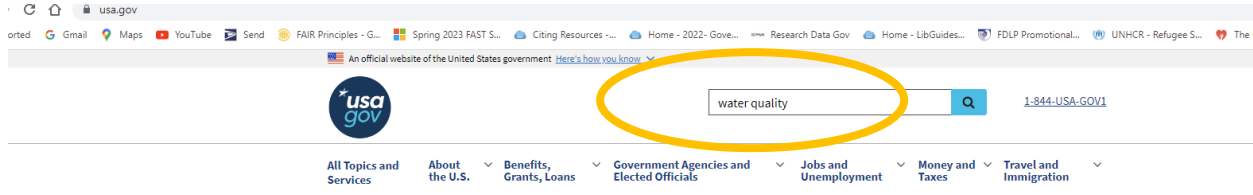
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Site_id	Unit_id	Read_Dat	Salinity (p	Dissolved	pH (stand.	Secchi De	Water De	Water Ter	Air Temp-	Air Temp	Time (24:	Field_Tec	DateVerif	WhoVerif	AirTemp (	Year	
2	Bay		1/3/1994	1.3	11.7	7.3	0.4	0.4	5.9	8	46.4	11:00				8	1994	
3	Bay		#####	1.5	12	7.4	0.2	0.35	3	2.6	36.68	11:30				2.6	1994	
4	Bay		2/7/1994	1	10.5	7.2	0.25	0.6	5.9	7.6	45.68	9:45				7.6	1994	
5	Bay		#####	1	10.1	7.4	0.35	0.5	10	2.7	36.86	N/A				2.7	1994	
6	Bay		#####	1	12.6	7.2	0.2	0.4	1.6	0	32	10:30				0	1994	
7	Bay		3/7/1994	1	9.9	7.1	0.2	0.9	9.7	15.2	59.36	10:00				15.2	1994	
8	Bay		#####	0.5	10.4	7.2	0.25	0.75	9.8	10.1	50.18	11:00				10.1	1994	
9	Bay		#####	1	9.2	7.1	0.15	0.95	16.1	22.1	71.78	9:50				22.1	1994	
10	Bay		4/4/1994	1	9.2	7.2	0.25	0.75	15	13.5	56.3	10:00				13.5	1994	
11	Bay		#####	1	8.6	7.3	0.2	0.75	15.7	13	55.4	10:00				13	1994	
12	Bay		#####	1	8.8	7.6	0.2	0.7	17.5	16.6	61.88	10:30				16.6	1994	
13	Bay		#####	1	10	7.9	0.2	0.5	19.3	22.1	71.78	11:00				22.1	1994	
14	Bay		5/2/1994	1.3	9.8	7.5	0.2	0.65	16.1	13	55.4	10:30				13	1994	
15	Bay		5/9/1994	1	10.1	7.9	0.25	0.75	18.8	19.5	67.1	10:45				19.5	1994	
16	Bay		#####	1	8.2	7.8	0.25	0.8	22.1	22.3	72.14	10:00				22.3	1994	
17	Bay		#####	1	10.8	9.1	0.05	0.05	21.7	24.3	75.74	11:00				24.3	1994	
18	Bay		#####	1	8.7	8.5	0.35	0.8	22.3	22.7	72.86	N/A				22.7	1994	
19	Bay		6/6/1994	1	9.4	8.6	0.35	0.8	23.8	25.7	78.26	11:00				25.7	1994	
20	Bay		#####	1.2	10.4	9	0.35	0.8	27.9	26.9	80.42	10:45				26.9	1994	
21	Bay		#####	1.5	9.8	9	0.35	0.7	29.5	30.5	86.9	10:15				30.5	1994	
22	Bay		#####	1.5	7.3	8.1	0.25	1.2	25.5	27.9	82.22	10:15				27.9	1994	
23	Bay		7/3/1994	2	10.7	9	0.4	0.9	28.5	28	82.4	10:40				28	1994	
24	Bay		#####	2	11	9.4	0.5	0.9	30.5	28.5	83.3	10:30				28.5	1994	
25	Bay		8/1/1994	2	10.7	9.2	0.45	0.75	29	25.5	77.9	N/A				25.5	1994	
26	Bay		8/8/1994	2	10.2	9.2	0.4	0.55	22	21.5	70.7	10:30				21.5	1994	
27	Bay		#####	2.3	6.9	8.8	0.45	0.9	24.5	20	68	10:30				20	1994	
28	Bay		#####	2	9.1	9.1	0.45	0.9	27	24.5	76.1	10:30				24.5	1994	
29	Bay		#####	2.3	9.8	9.3	0.45	0.75	27	27	80.6	10:45				27	1994	
30	Bay		9/5/1994	2.5	8.6	8.5	0.2	1.2	17	17	62.6	10:00				17	1994	
31	Bay		#####	2.5	7.9	8.4	0.35	0.6	21	19	66.2	10:30				19	1994	
32	Bay		#####	2.5	8.2	8.1	0.45	0.6	20.5	21.5	70.7	10:30				21.5	1994	
33	Bay		#####	2.25	6.9	8.1	0.45	0.8	23	23	73.4	10:15				23	1994	
34	Bay		#####	2.5	8.4	8.1	0.45	0.5	17	17	62.6	10:30				17	1994	
35	Bay		#####	2.5	7.4	7.6	0.35	0.85	18	19	66.2	10:20				19	1994	
36	Bay		#####	2.5	9	7.3	0.2	0.5	15	15	59	10:00				15	1994	
37	Bay		#####	2.8	9.4	7.7	0.25	0.65	13	17.5	63.5	10:30				17.5	1994	
38	Bay		#####	2.5	11.4	6.9	0.35	0.4	5	5	41	11:00				5	1994	
39	Bay		#####	3	10.4	6.9	0.15	0.4	8	9.5	49.1	11:00				9.5	1994	
40	Bay		#####			7.5	0.3	0.9	17			0:00	John Phillips			-17.7778	1989	
41	Bay		#####		12	7.5	0.2	0.6	17.5		68.9	21:36	John Phillips			20.5	1989	
42	Bay		#####			8	0.4	0.8	23		77	0:00	John Phillips			25	1989	
43	Bay		6/1/1989		12	8	0.4	0.9	25.5		84.2	4:48	John Phillips			29	1989	
44	Bay		#####			8.5	0.3	0.9	28.5		82.4	9:36	John Phillips			28	1989	
45	Bay		#####		1.6	9	0.3	0.9	30		90.5	12:00	John Phillips			32.5	1989	
46	Bay		#####		6.2	9	0.3	0.8	27		80.6	14:24	John Phillips			27	1989	
47	Bay		8/3/1989		5.8	9.5	0.2	0.7	25		82.4	9:36	John Phillips			28	1989	
48	Bay		#####		3.2	9	0.2	0.3	21.5		72.5	12:00	John Phillips			22.5	1989	
49	Bav		#####		7.3	9	0.2	0.8	28		84.2	4:48	John Phillios			29	1989	

# Agency websites

# USA.gov

- Identify federal agencies related to your research area
  - Review their websites, data catalog, statistical agency
- Agencies are including a **Data** section on their websites

# USA.gov



## How Do I ...

The banner features a dark blue background with a pattern of stars. On the left, there is a list of services: "File a federal tax return", "Get or renew a passport", "Find affordable housing", "Locate mental health services", and "Get government benefits and financial assistance". On the right, there is a white box with a yellow border containing the text "USA.gov is your online guide to government information and services." Below this box is a link "Learn what you can do on this site >". At the bottom center, there is a blue arrow pointing down to a link "All Topics and Services".

## U.S. Government Services and Information

- About the U.S.**  
Have a question about the USA? Learn where to find answers to the most requested facts about the United States of America.
- Benefits, Grants, Loans**  
Learn about government programs that provide financial help for individuals and organizations.
- Consumer Issues**  
Learn how to be a safe consumer, what to do when a purchase or service goes wrong, and more.
- COVID-19**  
Learn about the types of assistance the federal government offers people and businesses affected by the COVID-19 pandemic.
- Disability Services**  
Find information for people with disabilities.
- Disasters and Emergencies**  
Learn how to prepare for and recover from disasters and emergencies.
- Education**  
Find government information on getting and funding an education in the U.S.
- Government Agencies and Elected Officials**  
Find information for federal, state, and local government agencies and elected officials.
- Health**  
Find health resources from the government.
- Housing**  
Get information and services to help with finding and keeping a home.
- Jobs and Unemployment**  
Find out how and where to look for a new job or career, get help if you are unemployed.
- Laws and Legal Issues**  
Learn how to report a crime, locate a federal inmate, research common law cases.



water quality

**Water Quality** | U.S. Geological Survey

[www.usgs.gov/special-topics/water-science-school/science/water-quality](http://www.usgs.gov/special-topics/water-science-school/science/water-quality)

**Water Quality** Data for the Nation The USGS National **Water** Information System (NWIS) contains extensive **water-quality** data, both real-time and ...

**Water Quality in the Nation's Streams and Rivers - USGS**

[www.usgs.gov/mission-areas/water-resources/science/water-quality-nations-streams-and-rivers-current-co...](http://www.usgs.gov/mission-areas/water-resources/science/water-quality-nations-streams-and-rivers-current-co...)

The National **Water-Quality** Assessment (NAWQA) Program and National Stream **Quality** Accounting Network (NASQAN) are U.S. Geological Survey (**USGS**) ...

**Water Quality Data** | US EPA

[www.epa.gov/waterdata/water-quality-data](http://www.epa.gov/waterdata/water-quality-data)

The **Water Quality** Exchange (WOX) is the mechanism for data partners to submit **water** monitoring data to EPA. The **Water Quality** Index (WQI) is the ...

**National Water-Quality Assessment (NAWQA) Active - USGS**

[www.usgs.gov/mission-areas/water-resources/science/national-water-quality-assessment-nawqa](http://www.usgs.gov/mission-areas/water-resources/science/national-water-quality-assessment-nawqa)

Our surface **water**, groundwater, and aquatic ecosystems are priceless resources, used by people across the Nation for drinking, irrigation, industry ...

Real-time **water quality** - USGS

[waterwatch.usgs.gov/wqwatch/](http://waterwatch.usgs.gov/wqwatch/)

The "Real-time" map tracks short-term changes (over several hours) of **water quality**. Although the general appearance of the map changes very little ...

Importance of **Water Quality** and Testing | Public **Water** Systems ...

[www.cdc.gov/healthywater/drinking/public/water\\_quality.html](http://www.cdc.gov/healthywater/drinking/public/water_quality.html)

**Water Quality** Water Testing Consumer Confidence Reports **Water Quality** The United States has one of the safest **water** supplies in the world. Over 90 ...

**Water Quality** Sampling Techniques | U.S. Geological Survey

[www.usgs.gov/special-topics/water-science-school/science/water-quality-sampling-techniques](http://www.usgs.gov/special-topics/water-science-school/science/water-quality-sampling-techniques)

Checking the **water quality** of the Nation's streams, rivers, and lakes is one of the main responsibilities of the U.S. Geological Survey (**USGS**) ...

**Surface-Water Quality and Ecology** | U.S. Geological Survey

[www.usgs.gov/mission-areas/water-resources/science/surface-water-quality-and-ecology](http://www.usgs.gov/mission-areas/water-resources/science/surface-water-quality-and-ecology)

Research by the **USGS** National **Water Quality** Assessment (NAWQA) Project on **water quality** of rivers and streams covers a broad range of topics, from ...

**Water Quality** Information by Topic | U.S. Geological Survey

[www.usgs.gov/special-topics/water-science-school/science/water-quality-information-topic](http://www.usgs.gov/special-topics/water-science-school/science/water-quality-information-topic)

**Water quality** can be thought of as a measure of the suitability of **water** for a particular use based on selected physical, chemical, and biological ...

**Groundwater Quality** | U.S. Geological Survey

[www.usgs.gov/special-topics/water-science-school/science/groundwater-quality](http://www.usgs.gov/special-topics/water-science-school/science/groundwater-quality)

The U.S. Geological Survey (**USGS**) is involved in monitoring the Nation's groundwater supplies. A national network of observation wells exists to ...

# U.S. Geological Survey (USGS)

## **usgs.gov**

- **Science agency for the U.S. Department of Interior**
  - The Nation's largest water, earth, and biological science and civilian mapping agency. Collects, monitor, analyze, and provide science about natural resource conditions, issues, and problems
  - **Products -> All Data -> Topics**
  - **Top page -> Real-time Data Information**
  
- Also includes:
  - *Water Resources of the United States*
    - <https://water.usgs.gov/index.html>
  - *Water Data for the Nation*
    - <https://waterdata.usgs.gov/nwis/>
  - *Water Quality Data portal (USGS and EPA)*
    - <https://www.waterqualitydata.us/>



PRODUCTS

## Data

PRODUCTS

DATA

Data Releases

Real-time Data

All Data

Data Management

MAPS

MULTIMEDIA GALLERY

PUBLICATIONS

WEB TOOLS

SOFTWARE

U.S. BOARD ON GEOGRAPHIC NAMES

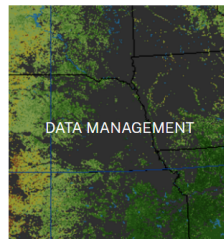
THE NATIONAL MAP

USGS LIBRARY

USGS STORE

PARK PASSES

Browse real-time data, data releases and more.



### All Data

APRIL 3, 2023

#### Everglades Vulnerability Analysis (EVA) modeling scripts and output

The Everglades Vulnerability Analysis (EVA) is a series of connected Bayesian networks that models the landscape-scale response of indicators of Everglades ecosystem health to changes in hydrology and salinity on the landscape. Using the uncertainty built into each network, it also produces surfaces of vulnerability in relation to user-defined &lsquo;ideal&rsquo; outcomes. This dataset includes th

By: Wetland and Aquatic Research Center

APRIL 3, 2023

#### Temperatures of black-tailed prairie dog burrows through the U.S. Great Plains

See Products  
-> All data

[PRODUCTS](#) | [DATA](#)

# All Data

PRODUCTS

DATA

Data Releases

Real-time Data

All Data

Data Management

MAPS

MULTIMEDIA GALLERY

PUBLICATIONS

WEB TOOLS

SOFTWARE

U.S. BOARD ON GEOGRAPHIC  
NAMES

THE NATIONAL MAP

USGS LIBRARY

USGS STORE

PARK PASSES

Explore all data by the topics and refine type to find the digital information in a format suitable for direct input to software that can analyze its meaning in the scientific, engineering, or business context for which the data were collected.

Filter Total Items: 730

Type  Year  Search 

ADVANCED FILTERS

MARCH 9, 2023

## Examining the influence of deep learning architecture on generalizability for predicting stream temperature in the Delaware River Basin

This data release and model archive provides all data, code, and modelling results used in Topp et al. (2023) to examine the influence of deep learning architecture on generalizability when predicting stream temperature in the Delaware River Basin (DRB). Briefly, we modeled stream temperature in the DRB using two spatially and temporally aware process guided deep learning models (a recurrent graph

By: [Water Resources Mission Area, New England Water Science Center](#)

JANUARY 26, 2023

## Climate, Landscape, and Water-Quality Metrics for Selected Watersheds in Fairfax County, Virginia, 2007-2018

This data release documents spatiotemporal water-quality, landscape, and climatic conditions in Fairfax County, Virginia from 2007 through 2018. These data were used to evaluate the water-quality and ecological condition of 20 Fairfax County watersheds monitored since 2007. Data include measures of water-quality, precipitation, air temperature, land use, land cover, wastewater and stormwater infra

# Examining the influence of deep learning architecture on generalizability for predicting stream temperature in the Delaware River Basin

View ▾

## Dates

**Publication Date :** 2023-03-07  
**Start Date :** 1980-04-01  
**End Date :** 2019-12-31

## Citation

Topp, S.N., Barclay, J.R., Diaz, J.A., Sun, A.Y., Jia, X., Lu, D., Sadler, J.M., and Appling, A.P., 2023, Examining the influence of deep learning architecture on generalizability for predicting stream temperature in the Delaware River Basin: U.S. Geological Survey data release, <https://doi.org/10.5066/P9HU7BLR>.


## Summary

This data release and model archive provides all data, code, and modelling results used in Topp et al. (2023) to examine the influence of deep learning architecture on generalizability when predicting stream temperature in the Delaware River Basin (DRB). Briefly, we modeled stream temperature in the DRB using two spatially and temporally aware process guided deep learning models (a recurrent graph convolution network - RGCN, and a temporal convolution graph model - Graph WaveNet). The associated manuscript explores how the architectural differences between the two models influence how they learn spatial and temporal relationships, and how those learned relationships influence a model's ability to accurately predict stream temperature as domains shift towards out-of-bounds conditions. This data release and model archive contains three zipped folders for 1) Data Preparation, 2) Modelling Code, and 3) Model Predictions. Instructions for running data preparation code and modelling code can be found in the README.md files in 01\_Data\_Prep and 02\_Model\_Code respectively.

## Contacts

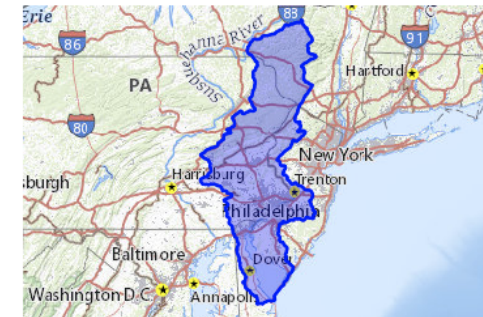
**Point of Contact :** Simon N Topp  
**Originator :** Simon N Topp, Janet R Barclay, Jeremy A Diaz, Alexander Y. Sun, Xiaowei Jia, Dan Lu, Jeffrey M Sadler, Alison P Appling  
**Metadata Contact :** Simon N Topp  
**Publisher :** U.S. Geological Survey  
**Distributor :** U.S. Geological Survey - ScienceBase  
**SDC Data Owner :** Integrated Information Dissemination Division  
**USGS Mission Area :** Water Resources

## Attached Files

Click on title to download individual files attached to this item or  download all files listed below as a compressed file.


 data_release_metadata.xml Original FGDC Metadata	 View	27.41 KB	application/fgdc+xml
---	--	----------	----------------------

## Map »



## Spatial Services

**ScienceBase WMS :**

<https://www.sciencebase.gov/catalog> 

## Communities

- USGS Data Release Products ✱

## Tags

**Categories :** Data

**Harvest Set :** USGS Science Data Catalog (SDC)

**Theme :** climate change, domain shift, environment, explainable AI (XAI), generalization, hybrid modeling, inlandWaters, machine learning, modeling, process guided deep learning, stream temperature, temperature, water, water resources

**Place :** DE, Delaware, MD, Maryland, NJ, NY, New Jersey, New York, PA, Pennsylvania, US, United States

**USGS Scientific Topic Keyword :** Hydrology, Water Quality, Water Resources

**Types :** Map Service, OGC WFS Layer, OGC WMS Layer, OGC WMS Service

## Provenance

# DATA CATALOGS

Agency data catalogs  
in addition to the  
data on their  
websites

Data Catalog URL Stem	Agency
<a href="https://data.boem.gov">data.boem.gov</a>	Bureau of Ocean Energy Management (Interior)
<a href="https://data.bsee.gov">data.bsee.gov</a>	Bureau of Safety and Environmental Enforcement (Interior)
<a href="https://data.cdc.gov">data.cdc.gov</a>	Centers for Disease Control and Prevention (Health and Human Services)
<a href="https://data.census.gov">data.census.gov</a>	Census Bureau. This is the replacement for American FactFinder (Commerce)
<a href="https://data.cms.gov">data.cms.gov</a>	Centers for Medicare & Medicaid Services (Health and Human Services)
<a href="https://data.commerce.gov">data.commerce.gov</a>	Commerce Department
<a href="https://data.defense.gov">data.defense.gov</a>	Defense Department
<a href="https://data.doi.gov">data.doi.gov</a>	Interior Department
<a href="https://data.faa.gov">data.faa.gov</a>	Federal Aviation Administration (Transportation)
<a href="https://data.fdic.gov">data.fdic.gov</a>	Federal Deposit Insurance Corporation (Independent)
<a href="https://data.globalchange.gov">data.globalchange.gov</a>	U.S. Global Change Research Program (13 Government Agencies)
<a href="https://data.healthcare.gov">data.healthcare.gov</a>	Managed by Centers for Disease Control and Prevention (Health and Human Services)
<a href="https://data.hrsa.gov">data.hrsa.gov</a>	Health Resources & Services Administration (Health and Human Services)
<a href="https://data.hud.gov">data.hud.gov</a>	Housing and Urban Development
<a href="https://data.medicaid.gov">data.medicaid.gov</a>	Centers for Disease Control and Prevention (Health and Human Services)
<a href="https://data.medicare.gov">data.medicare.gov</a>	Centers for Disease Control and Prevention (Health and Human Services)
<a href="https://data.nasa.gov">data.nasa.gov</a>	National Aeronautics and Space Administration (Independent)
<a href="https://data.nationalservice.gov">data.nationalservice.gov</a>	Corporation for National & Community Service (Independent)
<a href="https://data.nist.gov">data.nist.gov</a>	National Institute of Standards and Technology (Commerce)
<a href="https://data.noaa.gov">data.noaa.gov</a>	National Oceanic and Atmospheric Administration (Commerce)
<a href="https://data.nrel.gov">data.nrel.gov</a>	National Renewable Energy Laboratory (Energy)
<a href="https://data.usgs.gov">data.usgs.gov</a>	United States Geological Survey (Interior)

# Data Catalog - USGS Science Data Catalog

## ■ Data.usgs.gov

- Provides seamless access to USGS research and monitoring data from across the nation.

- Text Search
- Topic Browse -> Water Resources -> Water Quality

The screenshot shows the USGS Science Data Catalog (SDC) website. The navigation bar includes links for HOME, TEXT SEARCH, TOPIC BROWSE, and ABOUT. The 'TEXT SEARCH' and 'TOPIC BROWSE' links are circled in yellow. Below the navigation bar, there are three main sections:

- Hot Topic: Volcano**: This section features four images of volcanic eruptions. The first two images are titled "Kilauea 2018 lower East Rift Zone eruption - fissure lines" and "Kilauea 2018 lower East Rift Zone eruption - lava flows over ...". The last two images are titled "Continuous gravity data from Kilauea Volcano, Hawaii" and "GIS shapefiles for Kilauea's episode 6/g lava flow, Puu Oo e ...". Each image has a "READ" link below it.
- Users are searching today for data about...**: This section lists various search terms including "glacier-wide mass balance and compiled data inputs", "geologic carbon dioxide storage resources", "indian canyons elevation washington", "elevation diamond", "cooch reef/indian river", "cape cod erosion", and "database of groundwater levels and hydrograph descriptions for the nevada test site area".
- Popular Datasets in Last 30 Days**: This section lists six popular datasets, each with a "READ" link below it:
  - 13rd arc-second Digital Elevation Models (DEMs) - USGS National Map 3DEP Downlo...
  - Lidar Point Cloud - USGS National Map 3DEP Downloadable Data Collection
  - U.S. Geological Survey National Produced Waters Geochemical Database v2.3
  - 5 Meter Alaska Digital Elevation Models (DEMs) - USGS National Map 3DEP Download ...
  - 1 Arc-second Digital Elevation Models (DEMs) - USGS National Map 3DEP Downloadab ...
  - 1/9th Arc-second Digital Elevation Models (DEMs) - USGS National Map 3DEP Downlo...



# Science Data Catalog (SDC)

Narrow results by

**USGS Thesaurus Keywords**

Search USGS Thesaurus

- wetland ecosystems (1999)
- inlandwaters (1415)
- groundwater (1285)
- geospatial datasets (1157)
- bathymetry (770)
- surface water (non-marine) (745)
- image collections (694)
- hydrology (692)

LOAD MORE

**ISO 19115 Topic Category**

Search ISO 19115 Topics

- geoscientificinformation (4178)
- environment (3864)
- inlandwaters (3665)
- imagerybasemapsearchcover (2716)
- oceans (2198)
- elevation (1134)
- biota (1101)
- location (642)

LOAD MORE

**Other Subject Keywords**

Use " " to search an exact phrase. For example, "platinum group elements" deposits is a more specific query than is platinum group elements deposits.

Search Within

Full Text

Additional filters applied to narrow results:

Full Text: water quality Clear All

Showing 1 - 10 of 13689 results in 99 ms

Result Size: 10

Sort By: Relevance

Prev 1 2 3 ... 1369 Next

## Groundwater and Tidal Time-Series Data, Bremerton Naval Complex, Bremerton Washington

Data Source: Washington Water Science Center

Begin Date: 2018-06-28 End Date: 2019-02-26

This data release includes time series data collected at the Bremerton Naval Complex, Bremerton WA. Groundwater levels and water quality parameters in two monitoring wells were recorded every 15 minutes during a 7-month deployment. Time series data were collected from June 29, 2018, to February 26, ...

[read more](#)

## Input and output data from streamflow and water-quality regression models used to characterize streamflow and water-quality conditions in the Upper White River Basin, Colorado, from 2000-2020

Data Source: Colorado Water Science Center

Begin Date: 1999-10-01 End Date: 2020-09-30

This dataset includes input and output data from streamflow and water-quality regression models used to characterize streamflow and water-quality conditions in the Upper White River Basin, Colorado, from 2000 to 2020. All input data, including discrete and continuous streamflow records and discrete ...

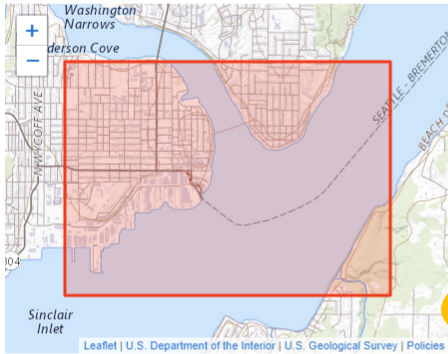
[read more](#)





# Science Data Catalog (SDC)

## Spatial Extent of Data



## USGS Data Source

[Washington Water Science Center](#)

## ISO 19115 Topic Category

[health](#)

## Place Keywords

[water quality](#), [tidal](#)

## Groundwater and Tidal Time-Series Data, Bremerton Naval Complex, Bremerton Washington

This data release includes time series data collected at the Bremerton Naval Complex, Bremerton WA. Groundwater levels and water quality parameters in two monitoring wells were recorded every 15 minutes during a 7-month deployment. Time series data were collected from June 29, 2018, to February 26, 2019. Field deployment details and quality assurance methods are included in the following paragraphs. Groundwater monitoring well MW-709 was monitored using two data loggers. The first data logger is a non-vented pressure transducer (In-Situ Rugged TROLL 100) that was deployed resting on the well bottom (BOT). The well measurement point (MP) elevation is 16.86 feet above NAVD88 with a total depth from MP of 30.00 feet and the transducer rested at -14.14 feet below NAVD88. Data collected at this location is referenced by National Water Information System (NWIS) site ID 473324122382202. Temperature and depth were recorded every 15-minutes for the entire deployment. Time-series data from this...

[read more](#)

[GET DATA AND METADATA](#)

Author(s)	<a href="#">Opatz, Chad C.</a> <a href="#">Peterson, Norman T.</a> <a href="#">Conn, Kathleen E.</a> <a href="#">Huffman, Raegan L.</a>
Publication Date	2019-08-30
Beginning Date of Data	2018-06-28
End Date of Data	2019-02-26
Data Contact	<a href="#">CHAD C. OPATZ</a>
DOI	<a href="https://doi.org/10.5066/P9IKD5FW">https://doi.org/10.5066/P9IKD5FW</a>
Citation	Opatz, C. C., Peterson, N. T., Conn, K. E., & Huffman, R. L. (2019). <i>Groundwater and Tidal Time-Series Data, Bremerton Naval Complex, Bremerton Washington</i> [Data set]. U.S. Geological Survey. <a href="https://doi.org/10.5066/P9IKD5FW">https://doi.org/10.5066/P9IKD5FW</a>
Metadata Contact	<a href="#">CHAD C. OPATZ</a>
Metadata Date	2022-08-29
Related Publication	
Views of this Record	2
Citations of these data	
Rights	public

[VIEW FULL METADATA AS ORIGINAL FGDC CSDGM](#)

# Sites by Subject



# Sites by Subject

- **Sites that combine agency data and research in a subject.gov format**
- Determine and review subject sites:
  - **Science.gov**
  - EarthData
    - <https://www.earthdata.nasa.gov/>
  - Climate.gov

# Science.gov



[Home](#) [About](#) [STEM Opportunities](#) [Trans](#)

Science.gov searches over 60 databases and over 2,200 scientific websites to provide users with access to more than 200 million pages of authoritative federal science information including research and development results.

### What's New:

View latest announcements from federal agencies that support open science initiatives, programs, and events

  
[Advanced Search](#)

[U.S. Federal Science Agencies' Public Access Plans](#)

[How To Submit Research Papers to Funding Agencies](#)

[Inventory of Agency APIs and Other Services for Public Access Collections](#)

Science.gov is governed by the interagency *Science.gov Alliance*. Participating agencies are:



- **Keyword search**
- **Refine by:**
  - Topic
  - Category (Advanced Search)
  - **Data** in results

water quality

Search

Search Sign In

Search: water quality  
Create new alert from this search

(0) [Icons: Print, Email, Share, etc.]  
59 of 59 sources complete

233 results found  
data sets and collections

Text (1179) Multimedia (125) Data (233) Public Access (569)

Results 1 - 20 of 233. Sort by: Rank Limit to: All Collections (233)

1 2 3 4 5 »

**in-situ electrochemical and water quality data**, Slate River and East River floodplains, Crested Butte, CO, May 2022-September 2022  
★★★★★  
DOE Data Explorer  
Pierce, Scott (ORCID:0000000176140227); Boye, Kristin (ORCID:000000032087607X)  
2022-10-31  
DOI: <https://doi.org/10.15485/1896309>  
Keywords: 54 ENVIRONMENTAL SCIENCES, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY** > GASES > DISSOLVED OXYGEN, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY** > **WATER CHARACTERISTICS** > ALKALINITY, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY** > **WATER QUALITY/WATER CHEMISTRY** > **WATER CHARACTERISTICS** > CONDUCTIVITY, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY** > **WATER CHARACTERISTICS** > **WATER TEMPERATURE**, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY** > **WATER CHARACTERISTICS** > pH, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > GROUND **WATER** > GROUNDWATER CHEMISTRY, EARTH SCIENCE > LAND SURFACE > SOILS, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > GROUND **WATER**, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > **WATER QUALITY/WATER CHEMISTRY**  
This data package includes a time-series of field measurements from May to September 2022 in groundwater and surface **water** from the Slate River and East River floodplains in Crested Butte, CO, a focus field site for the SLAC Floodplain Hydro-Biogeochemistry SFA. The data was generated as part of the work targeting the overarching research question [Read More...](#)

**Gap-filled water quality, Normalized Differenced Vegetation Index, total nitrogen (nitrate and ammonia) deposition, and land cover data trends for the Continental United States**  
★★★★★  
DOE Data Explorer  
Newcomer, Michelle (ORCID:0000000151389026); Bouskill, Nick (ORCID:0000000265778724); Wainwright, Haruko (ORCID:0000000221406072); Maavara, Taylor; Arora, Bhavna (ORCID:000000017841886X); Woodburn, Erica; Dwivedi, Dipankar (ORCID:0000000317881900); Williams, Kenneth (ORCID:0000000235681155); Steefe, Carl (ORCID:000000022802611X); Hubbard, Susan (ORCID:0000000329665631)  
2020-01-01  
DOI: <https://doi.org/10.15485/1647366>  
Keywords: 54 ENVIRONMENTAL SCIENCES, nitrogen, carbon, **water quality**, concentration, exports, NDVI, total wet and dry deposition trends merged with **water quality** and NDVI trends, EARTH SCIENCE > LAND SURFACE > LAND USE/LAND COVER, EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > SURFACE **WATER**, Particulate/Dissolved Organic Carbon, Total Nitrogen, surface **water** temperature, total atmospheric nitrogen deposition, phosphate, nitrate, ammonia, surface **water** oxygen, land use, EARTH SCIENCE > LAND SURFACE > LAND USE/LAND COVER > LAND USE/LAND COVER CLASSIFICATION > VEGETATION INDEX > NORMALIZED DIFFERENCE VEGETATION INDEX (NDVI), EARTH SCIENCE > LAND SURFACE > TOPOGRAPHY > TERRAIN ELEVATION  
The purpose of this work was to quantify trends in **water quality**, total nitrogen deposition, vegetation, and land-use trends for the Continental United States (CONUS). This dataset contains gap-filled daily and yearly in-stream carbon (C) and nitrogen (N) concentrations, discharge, and calculated exports from United States Geological Survey (USGS) [Read More...](#)

**Marine Corps Base Camp Lejeune Water Quality Dataflow Viewer**  
★★★★★  
DOE Data Explorer  
Paerl, Hans; Anderson, Iris  
2018-04-13  
DOI: <https://doi.org/10.15485/1603005>  
Keywords: 54 ENVIRONMENTAL SCIENCES, SERDP, DCERP, RESOURCE CONSERVATION, RC-2245  
Critical military training and testing on lands along the nation's coastal and estuarine shorelines are increasingly placed at risk because of encroachment pressures in surrounding areas, impairments due to other anthropogenic disturbances, and changes in climate and sea level. The U.S. Department of Defense (DoD) intends to enhance and sustain its [Read More...](#)

# Agency Repositories

# Repositories

- Investigators/researchers funded by federal agencies are required by public access policies to deposit data and research in agency repositories

- **Article and Data Sharing Requirements by Federal Agencies**

- See U.S. federal funder requirements for sharing research articles and research data
  - [datasharing.sparcopen.org/](https://datasharing.sparcopen.org/)
- See also [science.gov/publicAccess.html](https://science.gov/publicAccess.html) for public access plans for research funded by the Federal Government
- Ongoing development
- Repositories are included in:



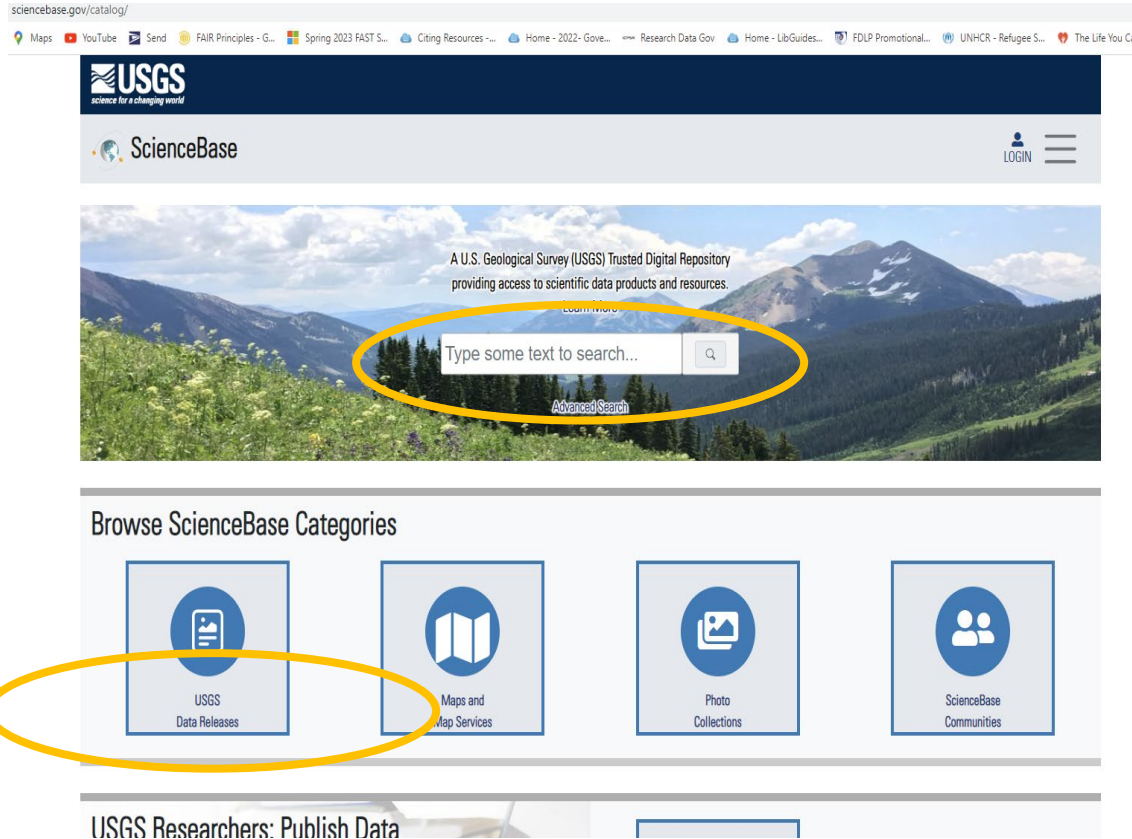
# Data repositories for Federally Funded Research

## ■ Select Repositories

- **USGS ScienceBase - USGS**
- Ag Data Commons - USDA
- DOE Data Explorer - DOE

## ■ Create account for access

# USGS ScienceBase



- Digital repository and collaborative data management platform **providing public access to machine readable data and metadata**. ScienceBase also serves as a cross-program institutional repository, ensuring long-term stewardship of the results of **federally-funded research**, when a more specific Program-level data repository is not available.

[sciencebase.gov/catalog/](https://sciencebase.gov/catalog/)

See Data Releases



water quality Search Advanced Search

filters: System Type: Data Release (X) > Categories: NOT Data Release - In Progress (X)

### Filters

#### Date Range

- Past year (605)
- Past month (87)
- Past week (16)
- Past day (0)
- Custom range...

#### Extensions

- Shapefile (68)
- ArcGIS Service Definition (20)
- Raster (12)
- Citation (3)
- NetCDF OPeNDAP Service (3)
- OGC Web Service (2)
- ArcGIS REST Service (1)

#### Types

- Map Service (529)
- OGC WMS Layer (503)
- OGC WFS Layer (502)
- OGC WMS Service (443)
- Citation (167)
- More...

#### Contacts

- U.S. Geological Survey - ScienceBase
- Water Resources
- U.S. Geological Survey
- U.S. Geological Survey
- Ecosystems
- More...

#### Categories

- Data (1191)
- Data Release - Revised (74)
- Publication (3)
- pre-SM502.8 (3)
- Data Release - Under

### Quality-Assurance and Quality-Control Data for Discrete Water-Quality Samples Collected in McHenry County, Illinois, 2020

In June and July of 2020, 45 groundwater wells in McHenry County, Illinois, were sampled for water quality (field properties, major ions, nutrients, and trace metals) and 12 wells were sampled for contaminants of emerging concern (pharmaceuticals, pesticides, and wastewater indicator compounds). Quality-assurance and quality-control samples were collected during the June and July 2020 sampling that included equipment blanks, field blanks, and replicates. The results of these samples were used to understand the sources of bias and variability associated with sample collection, processing, storage, and shipping. This data release contains one comma separated values files containing the results of the quality-control...

Categories: Data; Tags: Illinois, McHenry County, USGS Science Data Catalog (SDC), United States, Water Quality, All tags...

### Uinta Basin Ground and Surface Water Quality Records

This database includes water quality records compiled at the request of the Bureau of Land Management for the Uinta Basin in Utah and Colorado. All data contained within this database are publically available via the United States Geological Survey's National Water Information System (NWIS) database (available at <https://waterdata.usgs.gov/nwis>). Data collected and provided by the states of Utah and Colorado were also analyzed, however, this data had also been submitted to, and was available in, NWIS by the time this database was compiled. This database includes all available water-quality data for the Uinta Basin. For groundwater samples this includes data up to October 24, 2014; for surface water samples this...

Types: Citation; Tags: USGS Science Data Catalog (SDC), Uinta Basin, water quality

### Water-quality data collected for Kewaunee County, Wisconsin

We deployed a sampler to characterize water quality from a household well tapping a shallow fractured dolomite aquifer in northeast Wisconsin. The sampler was deployed from January to May 2017, and monitored temperature, nitrate, chloride, specific conductance, and fluorescent dissolved organic matter on a minute time step; water was directed to sequential microbial filters during three recharge periods that ranged from 5 to 20 days. Results from the automated sampler demonstrate the dynamic nature of the household water quality, especially with regard to microbial targets, which were shown to vary 1 to 2 orders of magnitude during a single sampling event. We believe assessments of pathogen occurrence and concentration,...

Categories: Data; Tags: Door County, Geochemistry, USGS Science Data Catalog (SDC), Wisconsin, automated sampling, All tags...

### Water Quality data from the Providence Water Supply Board for tributary streams to the Scituate Reservoir, water year 2017

Water-quality data were collected by the Providence Water Supply Board (PWSB) from tributaries in the Scituate Reservoir drainage area, October 2016 through September 2017 (water year 2017). Water-quality samples were collected by the PWSB either monthly or quarterly at fixed stations on 36 tributaries in the Scituate Reservoir drainage area. These data were used to calculate instantaneous loads and yields of constituents in a report by the U.S. Geological Survey. Water-quality samples were collected following a strict sampling schedule so that water-quality samples would be representative of various weather conditions. Samples were analyzed at the PWSB water-quality laboratory at the P.J. Holton Water Purification...

Categories: Data; Tags: Bacteria, Chloride, Cranston, Drinking water use, Foster, All tags...

### Water Quality data from the Providence Water Supply Board for tributary streams to the Scituate Reservoir, water year 2015

Water-quality data were collected by the Providence Water Supply Board (PWSB) from tributaries in the Scituate Reservoir drainage area, October 2014 through September 2015 (water year 2015). These data were used to calculate instantaneous loads



# Searching water quality in Data Releases



# Google Dataset Search

# Google Dataset Search

- Search engine for datasets
  - <https://datasetsearch.research.google.com/>

# Dataset Search

water quality



water quality

water quality

Provincial (Stream) **Water Quality** Monitoring Network

Beach **Water Quality**

Environment Agency objections to planning applications based on flood risk and **water quality**

River **water quality** indicator

Drinking **water quality** and enforcement

Bathing **water quality** statistics

Indian **water quality** data

National Long-term **Water Quality** Monitoring Data

Beach **Water Quality** - Automated Sensors

**Water quality** index in Indonesia 2014-2021

Last updated

Download format


Usage rights


Topic


Free


Saved datasets


100+ datasets found

 **Water Quality Data**  
 data.ca.gov  
 data.cnra.ca.gov  
 csv  
 Updated Mar 22, 2023

 **Water quality**  
 kaggle.com  
 zip  
 Updated Jun 30, 2021

 **Watershed Water Quality Data**  
 data.cityofnewyork.us  
 catalog.data.gov  
 +3more  
 application/rdfxml +5  
 Updated Mar 7, 2023

 **National Water Quality Data**  
 catalog.data.gov  
 Updated Dec 14, 2020

 **National Long-term Water Quality Monitoring Data**  
 open.canada.ca  
 catalogue.arctic-sdi.org  
 +3more  
 csv, esri rest, html +2  
 Updated May 20, 2022



## National Water Quality Data

Explore at: [catalog.data.gov](https://catalog.data.gov)

353 scholarly articles cite this dataset ([View in Google Scholar](#))

### Dataset updated

Dec 14, 2020

### Dataset provided by

[United States Environmental Protection Agency](#)

### Area covered

United States

### Description

Water quality data. This dataset is associated with the following publication: Papenfus, M., B. Schaeffer, A. Pollard, and K. Loftin. Exploring the potential value of satellite remote sensing to monitor chlorophyll-a for U.S. lakes and reservoirs.. ENVIRONMENTAL MONITORING AND ASSESSMENT. Springer, New York, NY, USA, 192: 808, (2020).

# Open Refine – working with datasets

- OpenRefine is a powerful free, open-source tool for working with messy data: cleaning it; transforming it from one format into another; and extending it with web services and external data.
  - [openrefine.org/](https://openrefine.org/)
  - [info.library.okstate.edu/data](https://info.library.okstate.edu/data)
  - **Carpentries at OSU** – OpenRefine workshop with UCO November 16 & 17  
[info.library.okstate.edu/c.php?g=902101&p=6491976](https://info.library.okstate.edu/c.php?g=902101&p=6491976)

The screenshot shows a web browser window displaying a professional profile for Kevin Dyke. The browser's address bar shows the URL [experts.okstate.edu/kydyke](https://experts.okstate.edu/kydyke). The profile page features the OSU logo at the top left. On the left side, there is a circular profile picture of Kevin Dyke, his name "Kevin Dyke", and contact information including a phone number (0000-0001-8330-8251), email (kydyke@okstate.edu), and a link to his personal website. The main content area is divided into several sections: "ABOUT" (a bio paragraph), "OKLAHOMA STATE UNIVERSITY APPOINTMENTS" (listing roles like Assistant Professor and Maps and Spatial Data Curator), "ACADEMIC POSITIONS" (listing roles at Oklahoma State University and the University of Minnesota), "NON-ACADEMIC POSITIONS" (listing a role at Flat Rock Geographics), "DEGREES" (listing a Master of Arts in Geography), and "FIELDS OF RESEARCH" (listing library and information studies, human geography, and geospatial information systems).