Open Access Datasets
from Federal Government Agencies

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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/

What is Open data, opendatahandbook.org/guide/en/what-is-open-data/

See **Project Open Data**, project-open-data.cio.gov/

See also SPARC, 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/

Why Open data, opendatahandbook.org/guide/en/why-open-data/

FAIR Principles

- **FAIR principles**
  - To improve the **F**indability, **A**ccessibility, **I**nteroperability, and **R**euse 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/

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

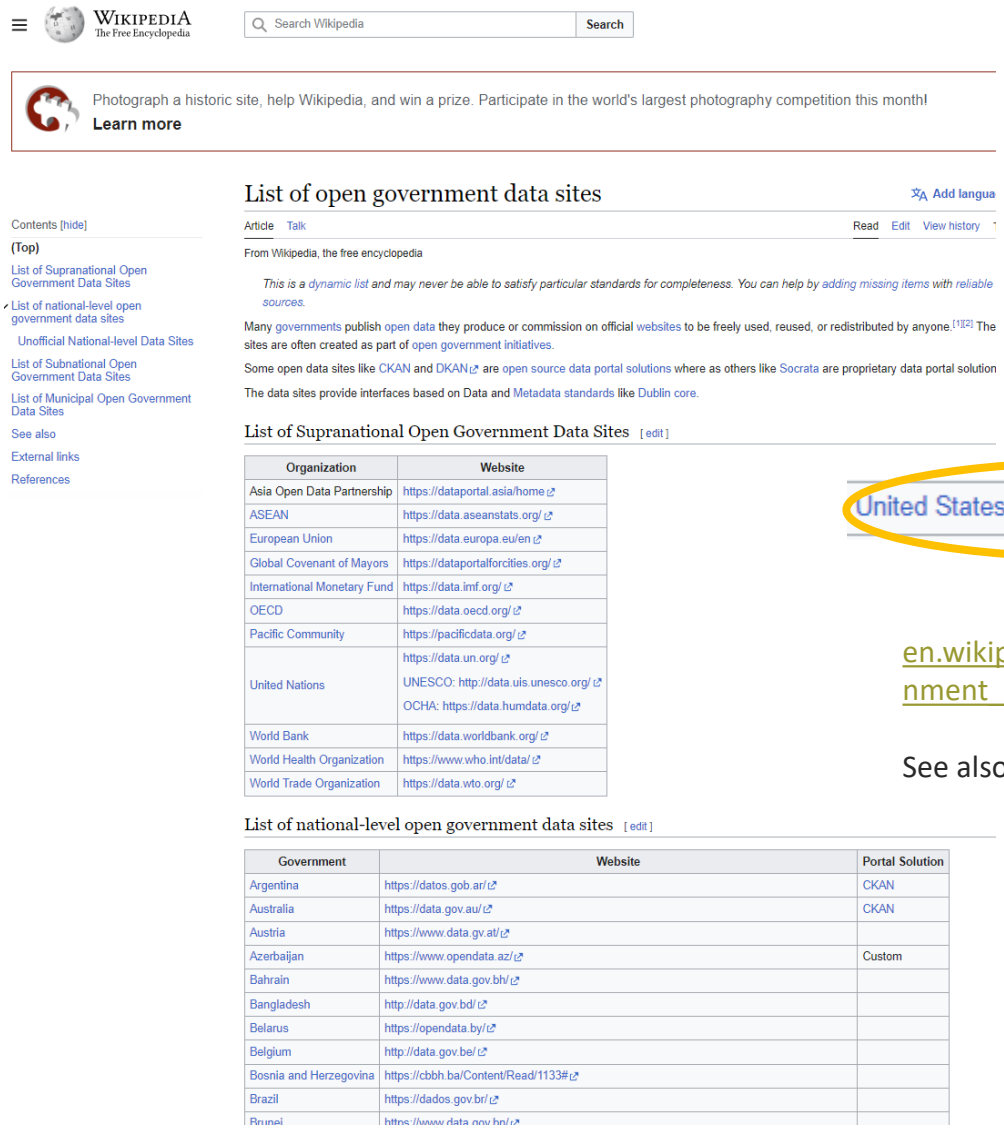
https://www.digitalgov.gov/open-data-policy-m-13-13/
https://data.gov/open-gov/

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
    - List of repositories and databases for open data by subject

  - ***Registry of Research Data Repositories***
    - re3data.org
    - Global registry of research data repositories

List of Open Government Data Sites (Global) – Wikipedia



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List of open government data sites

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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.[1][2] 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.

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

List of Supranational Open Government Data Sites [edit]

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

List of national-level open government data sites [edit]

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

United States | https://data.gov/

en.wikipedia.org/wiki/List_of_open_government_data_sites

See also data.gov/open-gov/

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/open-gov/

An official website of the United States government Here's how you know

DATA.GOV DATA REPORTS OPEN GOVERNMENT CONTACT

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. By 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.

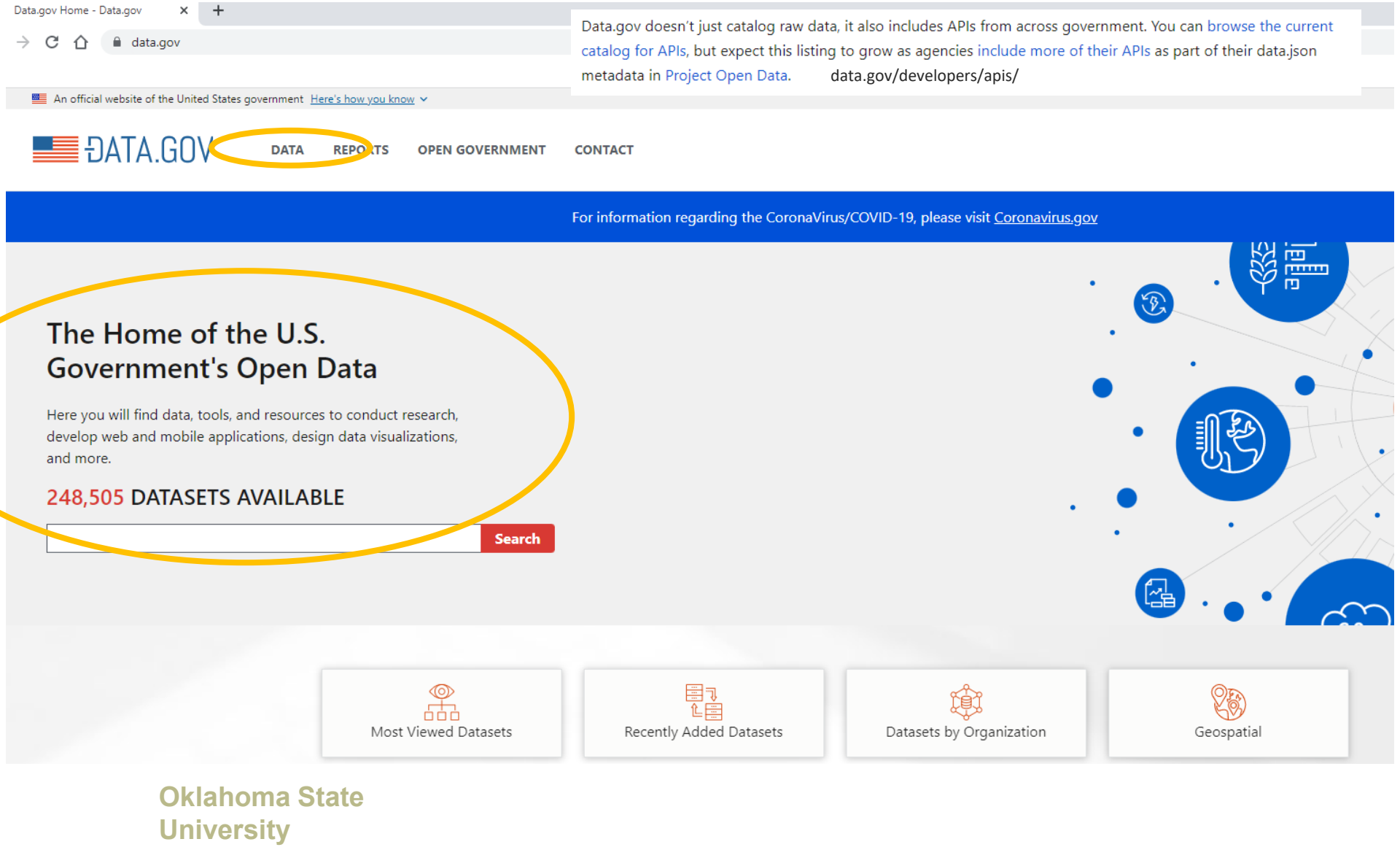
Download the full list of current international open data sites: CSV.

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.



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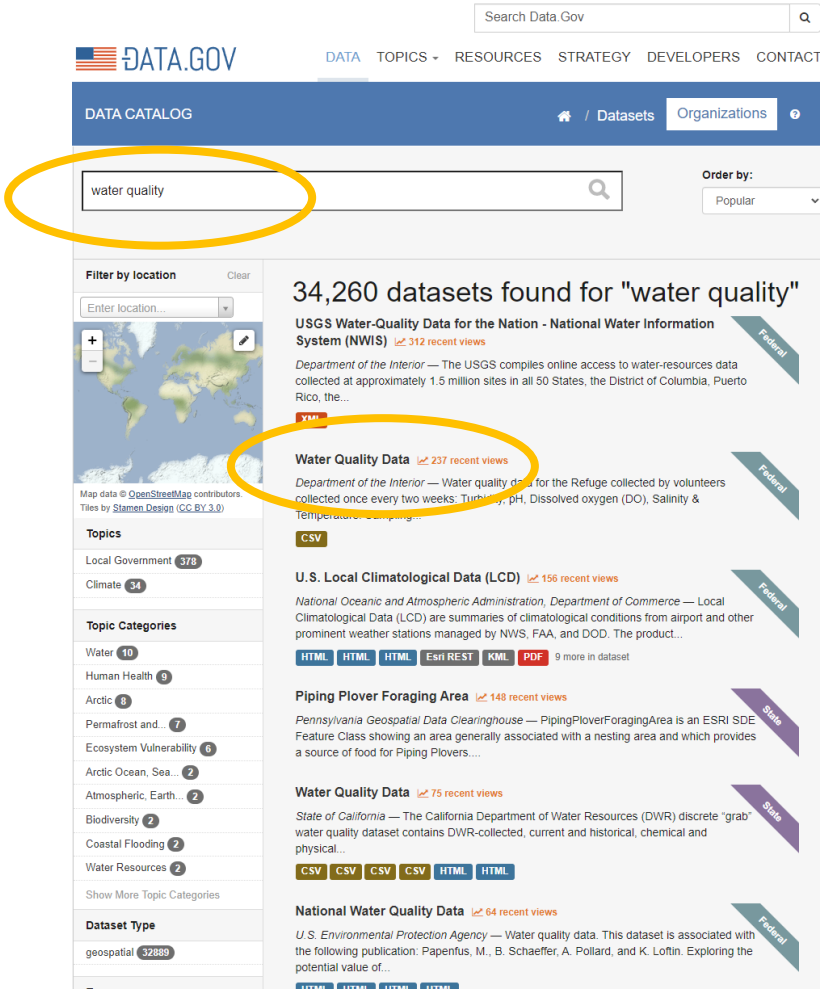
Data.gov

Topic Categories, Organizations

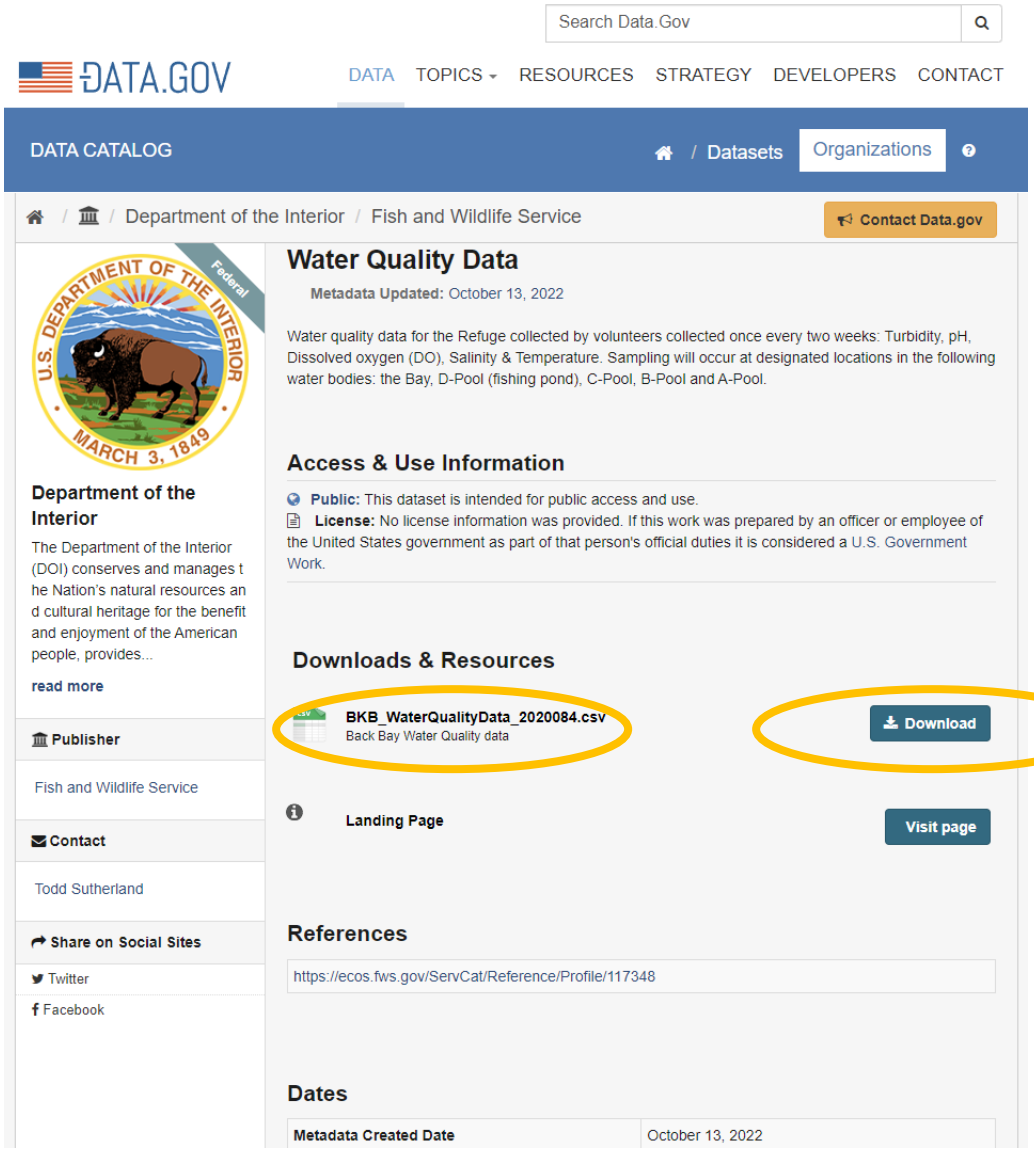
Water quality

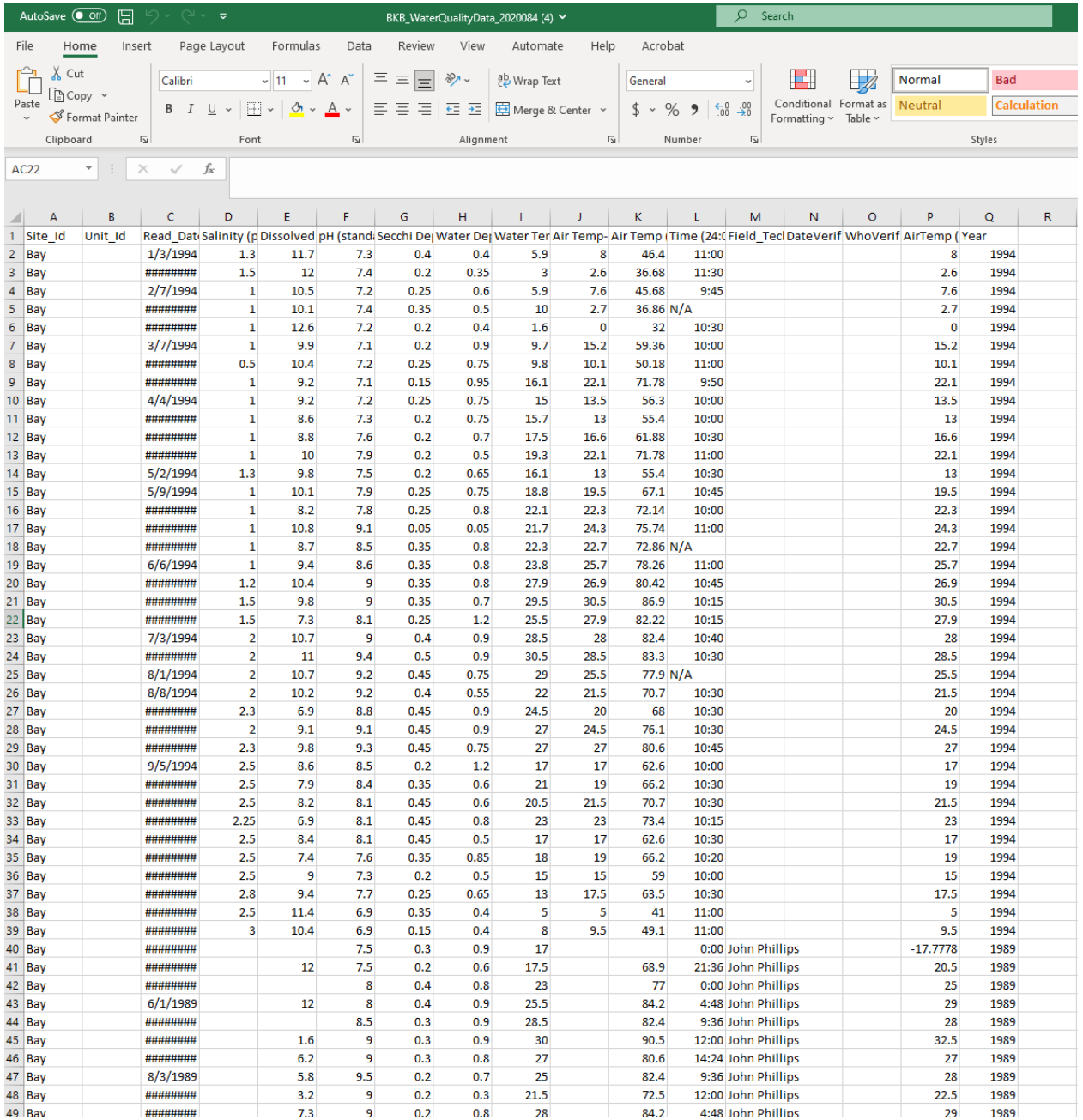


- **Search on main page or Data tab in menu**
- **Filter by:**
  - Topic Categories
  - File formats
  - Organization (Agency)

Back Bay National Wildlife Refuge

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





AutoSave Off | BKB_WaterQualityData_2020084 (4) | Search

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

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General | Number

Conditional Formatting Format as Table

Normal Bad Neutral Calculation | Styles

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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	
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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	
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42	Bay		########			8	0.4	0.8	23		77	0:00	John Phillips			25	1989	
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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	Bay		########		7.3	9	0.2	0.8	28		84.2	4:48	John Phillips			29	1989	

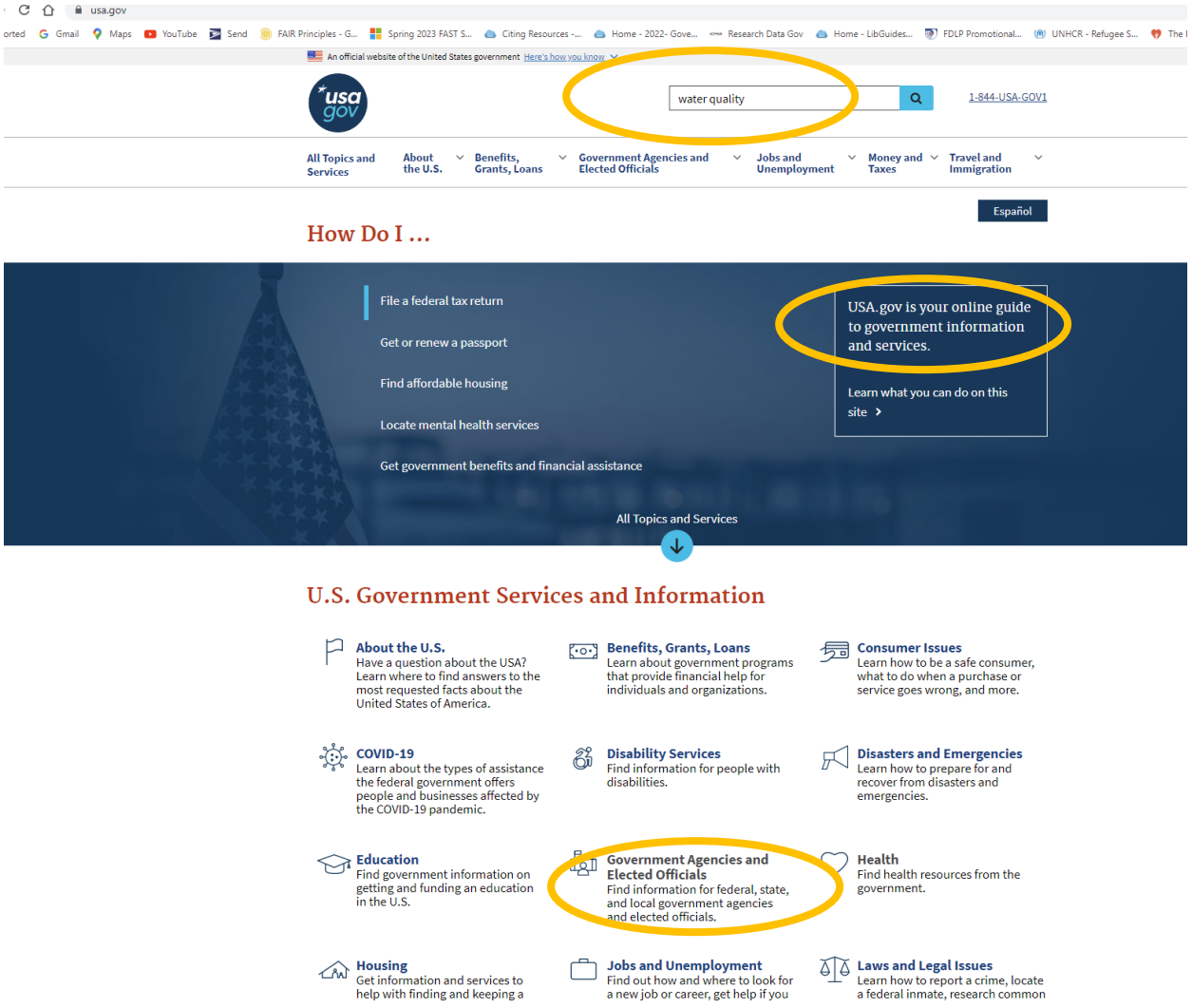
Agency websites

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


usa.gov
An official website of the United States government Here's how you know
water quality
1-844-USA-GOV1
All Topics and Services
About the U.S.
Benefits, Grants, Loans
Government Agencies and Elected Officials
Jobs and Unemployment
Money and Taxes
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How Do I ...
File a federal tax return
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Locate mental health services
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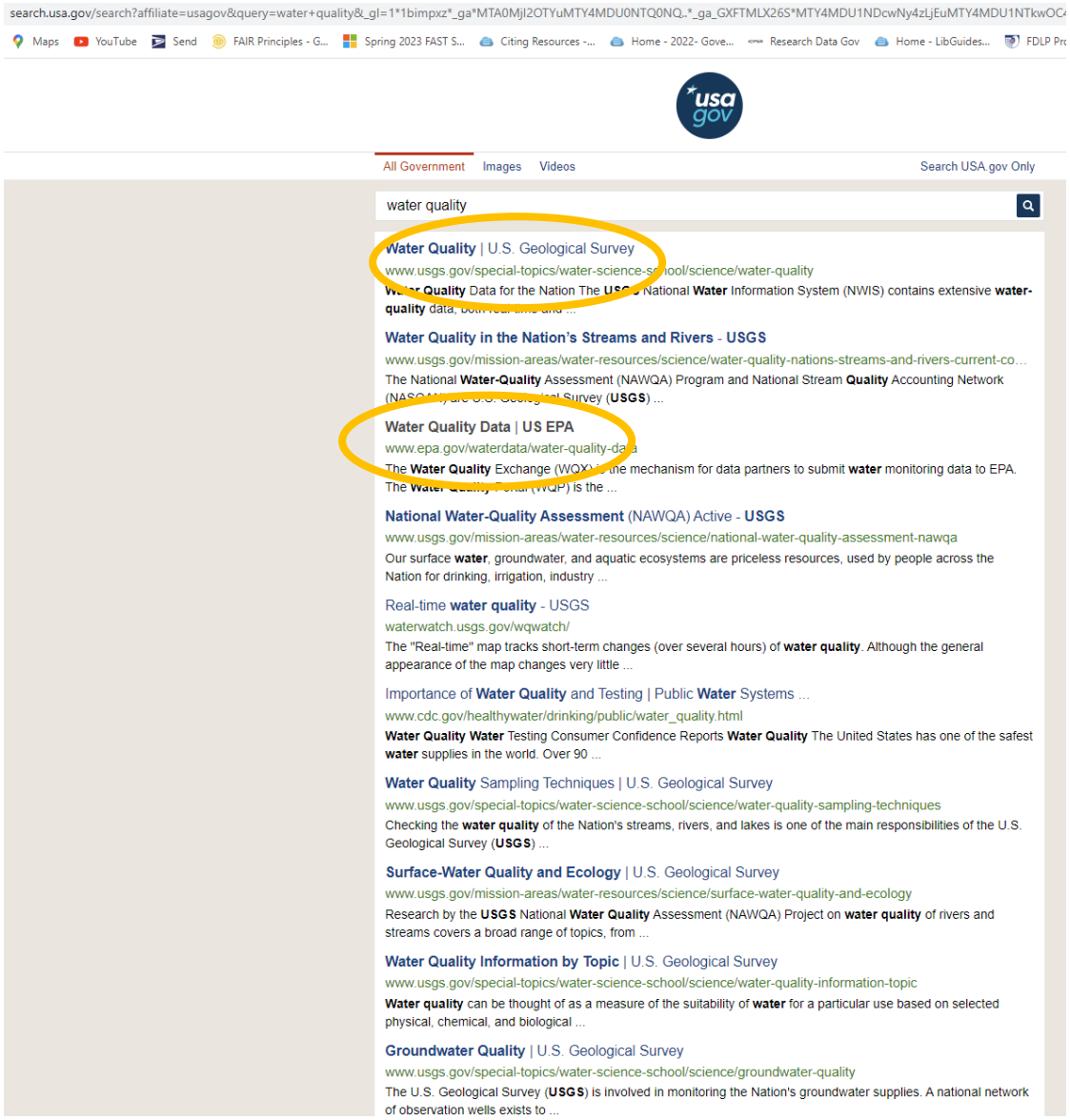
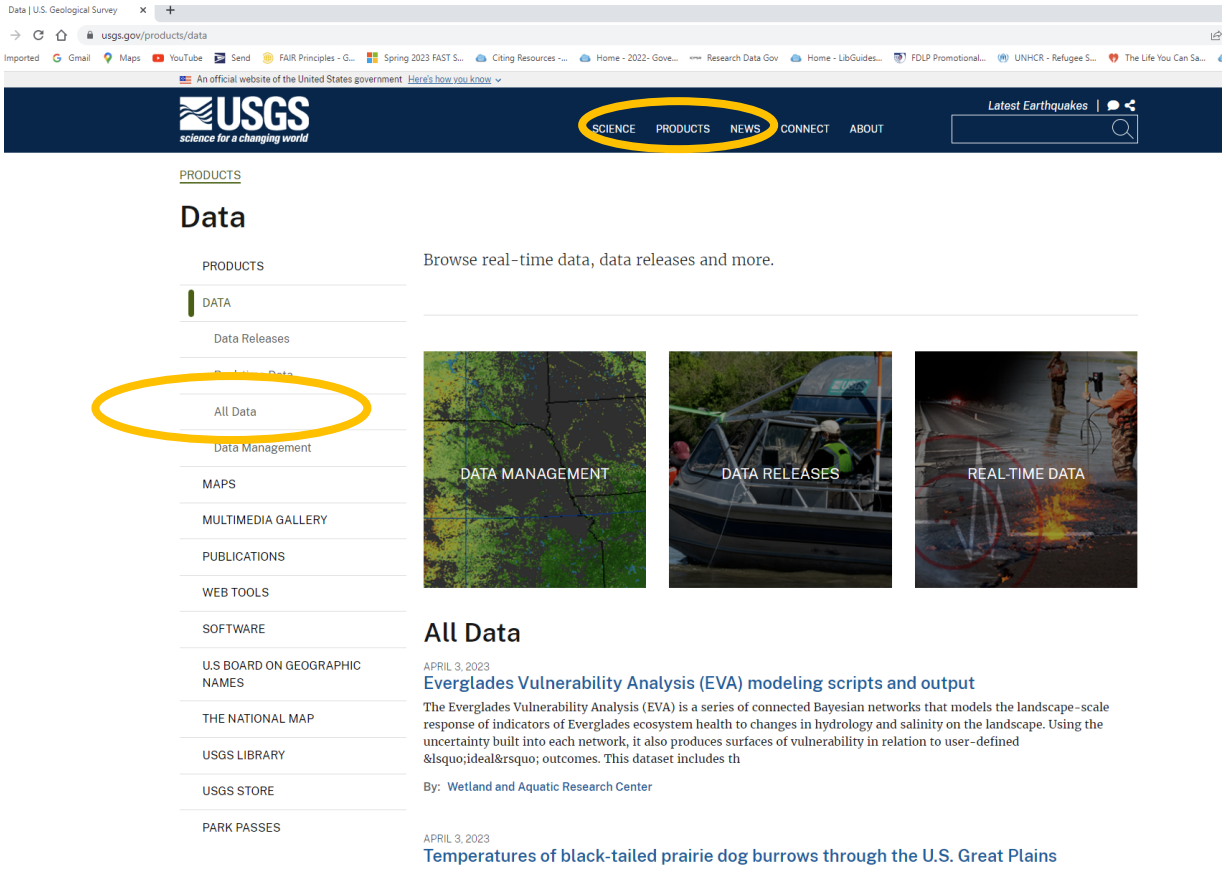
All Topics and Services
U.S. Government Services and Information
About the U.S.
Have a question about the USA? Learn where to find answers to the most requested facts about the United States of America.
Benefits, Grants, Loans
Learn about government programs that provide financial help for individuals 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
Jobs and Unemployment
Find out how and where to look for a new job or career, get help if you
Laws and Legal Issues
Learn how to report a crime, locate a federal inmate, research common


search.usa.gov/search?affiliate=usagov&query=water+quality&_gl=1*1bimpxz*_ga*MTA0MjI2OTYuMTY4MDU0NTQ0NQ..*_ga_GXFTMLX26S*MTY4MDU1NDcwNy4zLjEuMTY4MDU1NTkwOC4
Maps
YouTube
Send
FAIR Principles - G...
Spring 2023 FAST S...
Citing Resources -...
Home - 2022- Gove...
Research Data Gov
Home - LibGuides...
FDLP Pro
usa gov
All Government
Images
Videos
Search USA.gov Only
water quality
Water Quality | U.S. Geological Survey
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,
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...
The National Water-Quality Assessment (NAWQA) Program and National Stream Quality Accounting Network
Survey (USGS) ...
Water Quality Data | US EPA
www.epa.gov/waterdata/water-quality-data
The Water Quality Exchange (WQX) is the mechanism for data partners to submit water monitoring data to EPA.
The Water Quality Portal (WQP) is the ...
National Water-Quality Assessment (NAWQA) Active - USGS
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/
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
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
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
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
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
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. Geologial 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/



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All Data

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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: 739

Type | Water | Year | Search water quality

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

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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
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SDC Data Owner : Integrated Information Dissemination Division
USGS Mission Area : Water Resources

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

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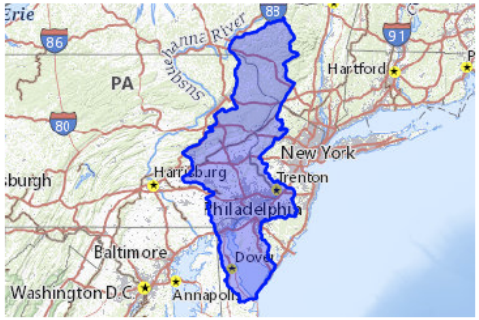

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Categories : Data
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Theme : climate change, domain shift, environment, explainable AI (XAI), generalization, hybrid modeling, inlandWaters, machine learning, modeling, process guided deep learning, stream temperature, temperature, water, water resources
Place : DE, Delaware, MD, Maryland, NJ, NY, New Jersey, New York, PA, Pennsylvania, US, United States
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Types : Map Service, OGC WFS Layer, OGC WMS Layer, OGC WMS Service

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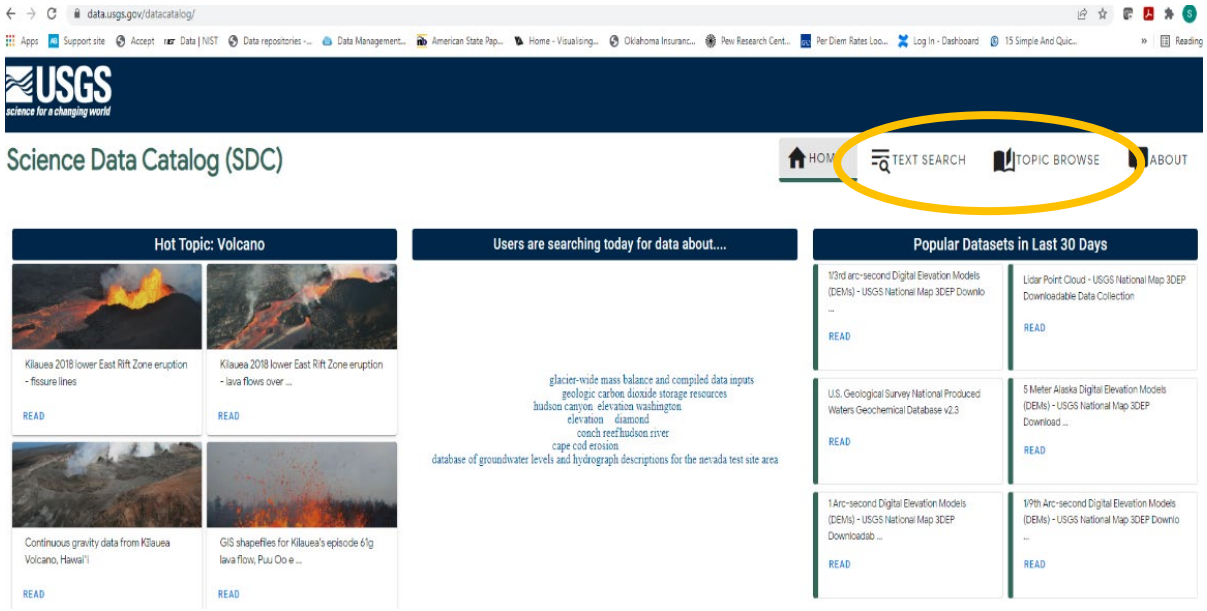

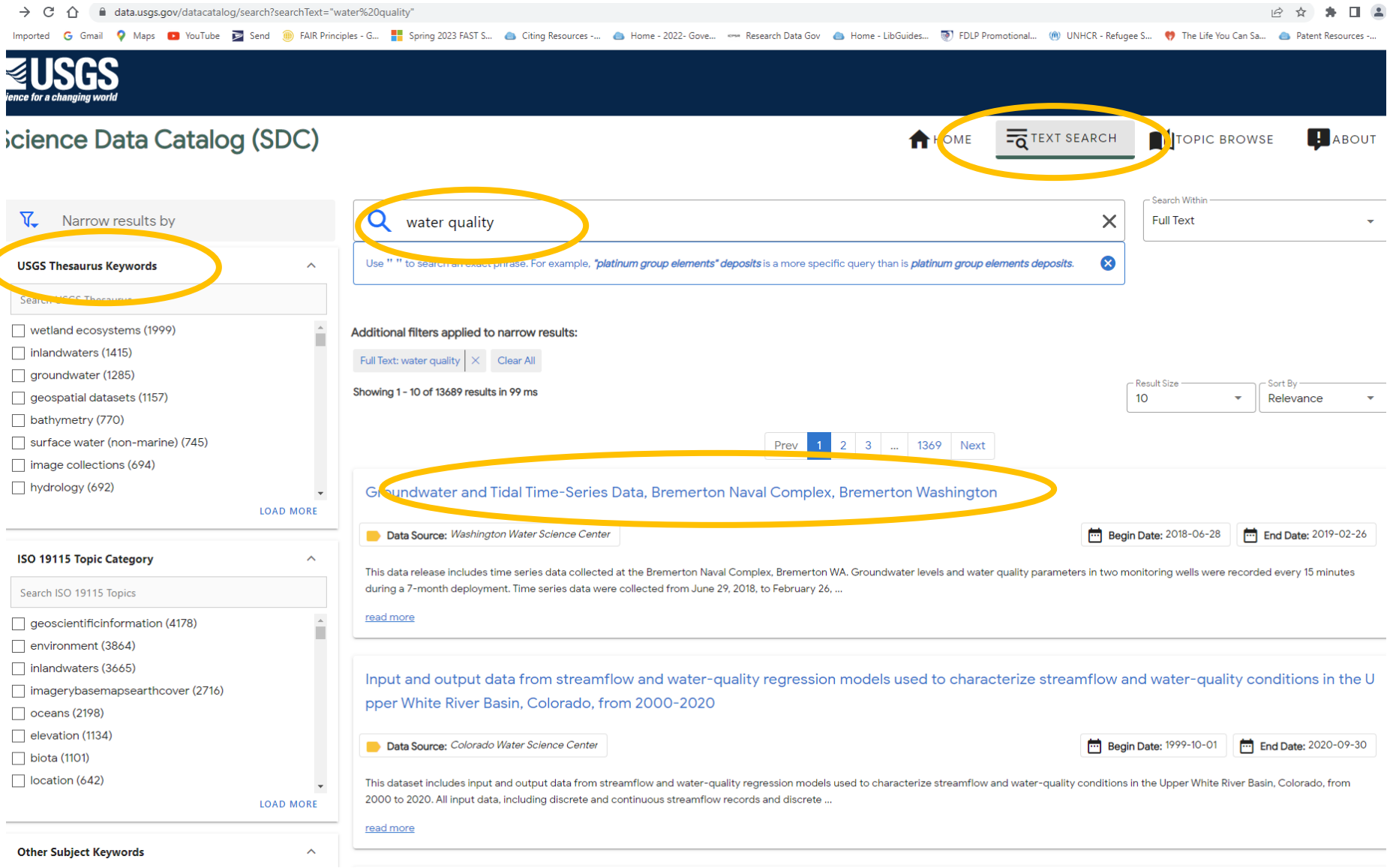
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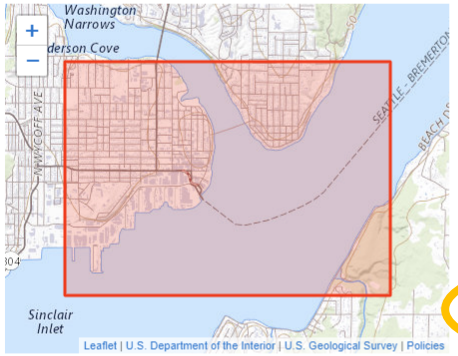

USGS Data Source

Washington Water Science Center

ISO 19115 Topic Category

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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-mintes for the entire deployment. Time-series data from this...

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Author(s)	Opatz, Chad C Peterson, Norman T Conn, Kathleen E Huffman, Raegan L
Publication Date	2019-08-30
Beginning Date of Data	2018-06-28
End Date of Data	2019-02-26
Data Contact	CHAD C. OPATZ
DOI	https://doi.org/10.5066/P9IKD5FW
Citation	Opatz, C. C., Peterson, N. T., Conn, K. E., & Huffman, R. L. (2019). *Groundwater and Tidal Time-Series Data, Bremerton Naval Complex, Bremerton Washington* [Data set]. U.S. Geological Survey. https://doi.org/10.5066/P9IKD5FW
Metadata Contact	CHAD C. OPATZ
Metadata Date	2022-08-29
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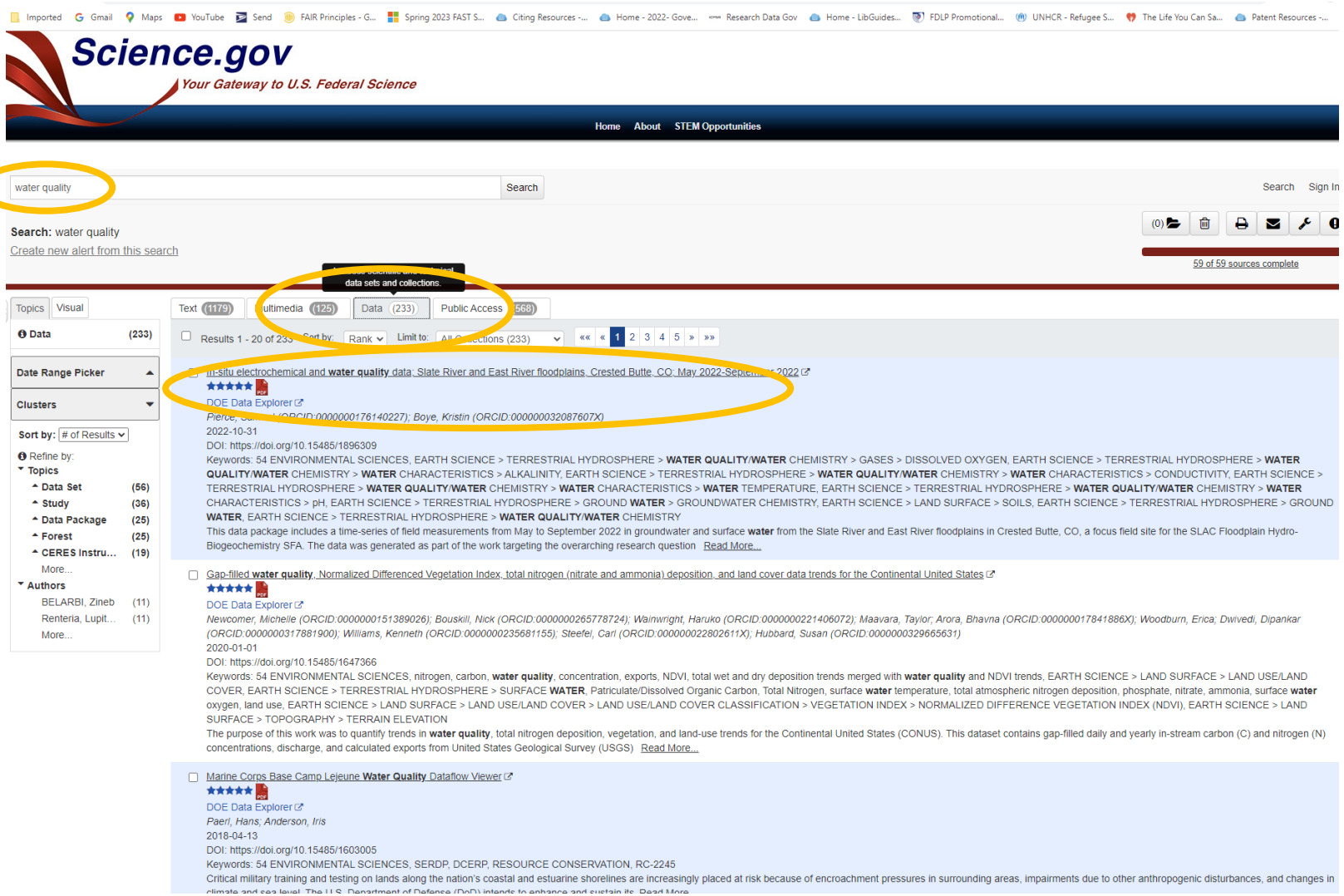
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Authors
BELARBI, Zineb (11)
Renteria, Lupit... (11)
More...
In-situ electrochemical and water quality data, Slate River and East River floodplains, Crested Butte, CO, May 2022-Septem... 2022
DOE Data Explorer
Pierce, Sc... (ORCID:0000000176140227); 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 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
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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); Steefel, 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...
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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

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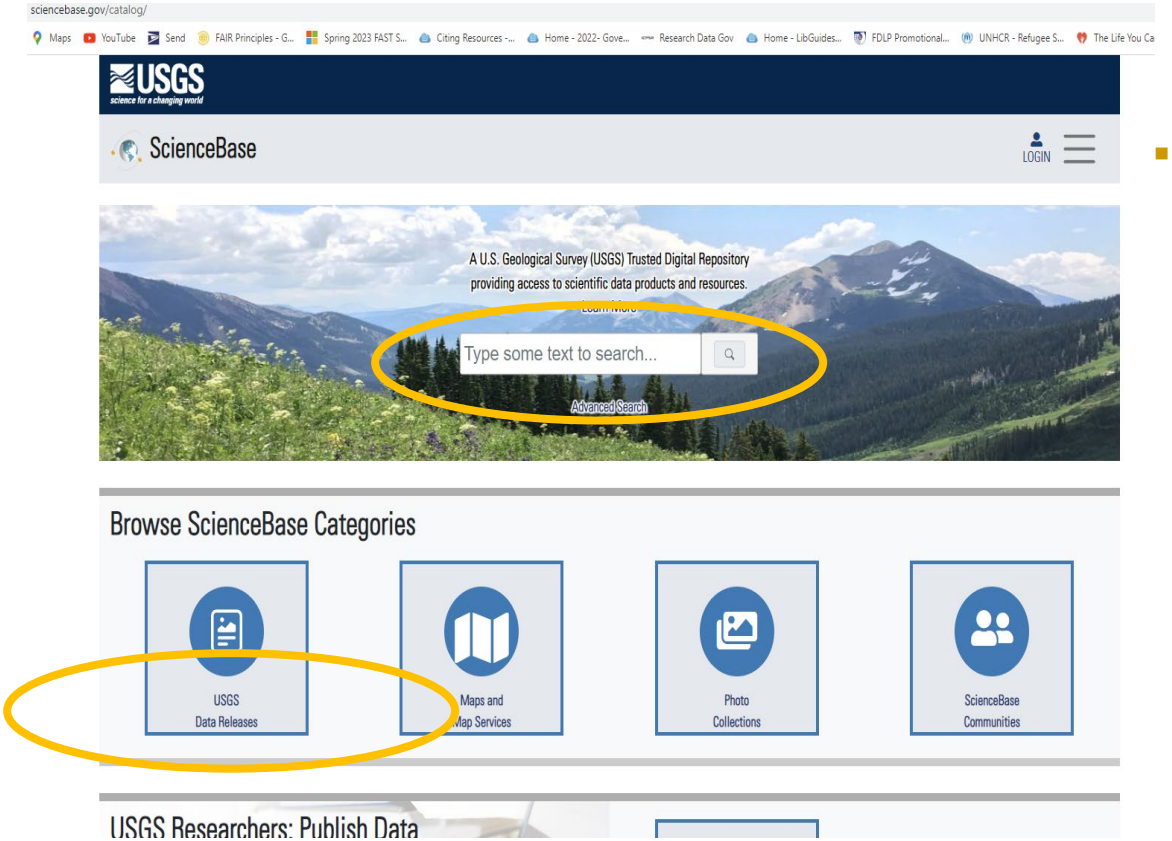

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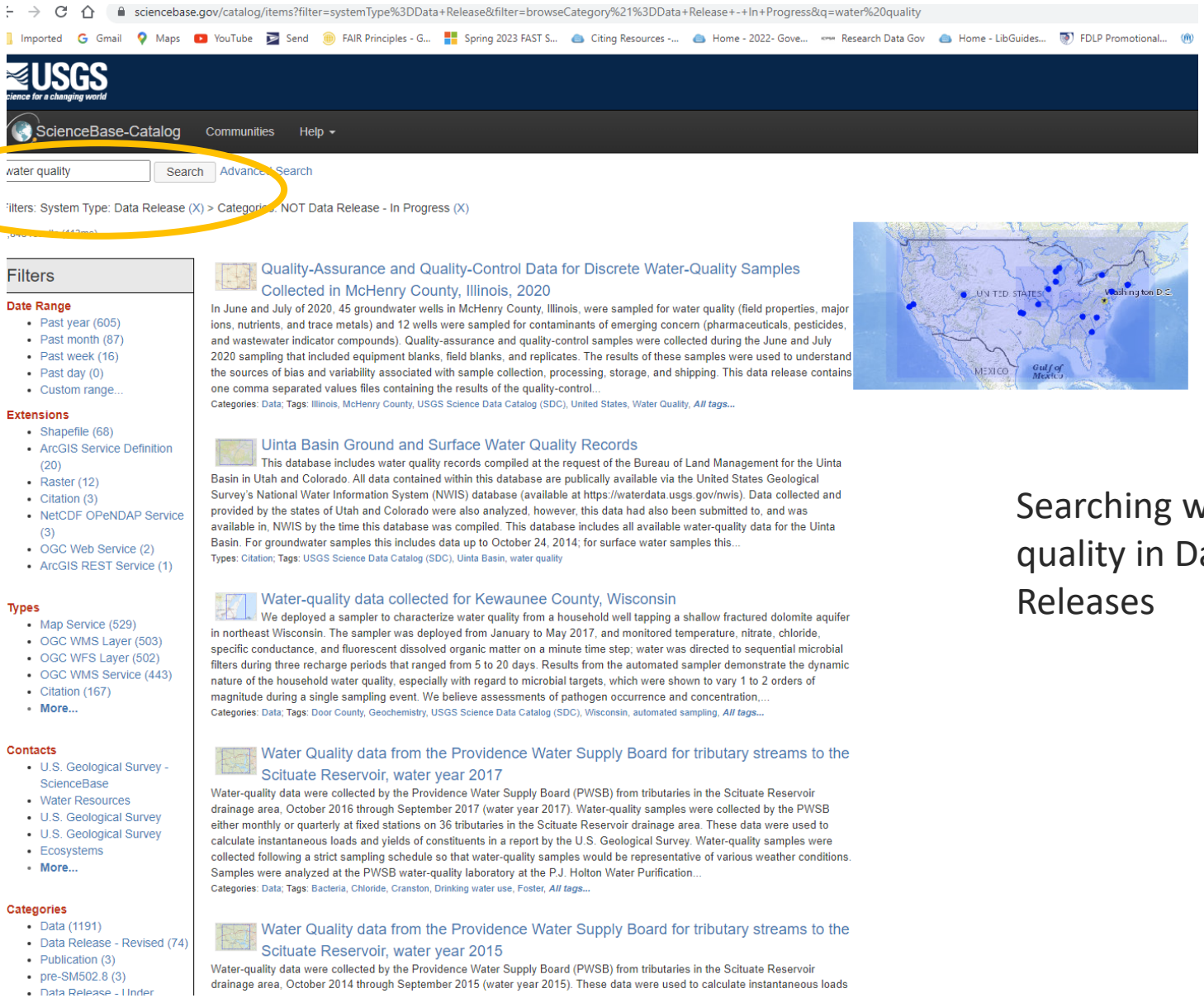

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Google Dataset Search

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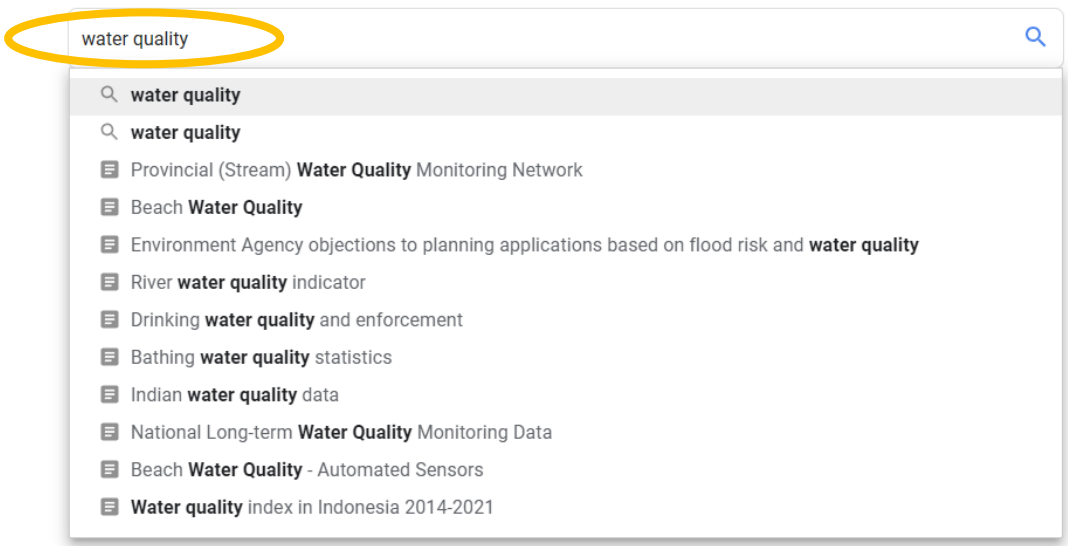

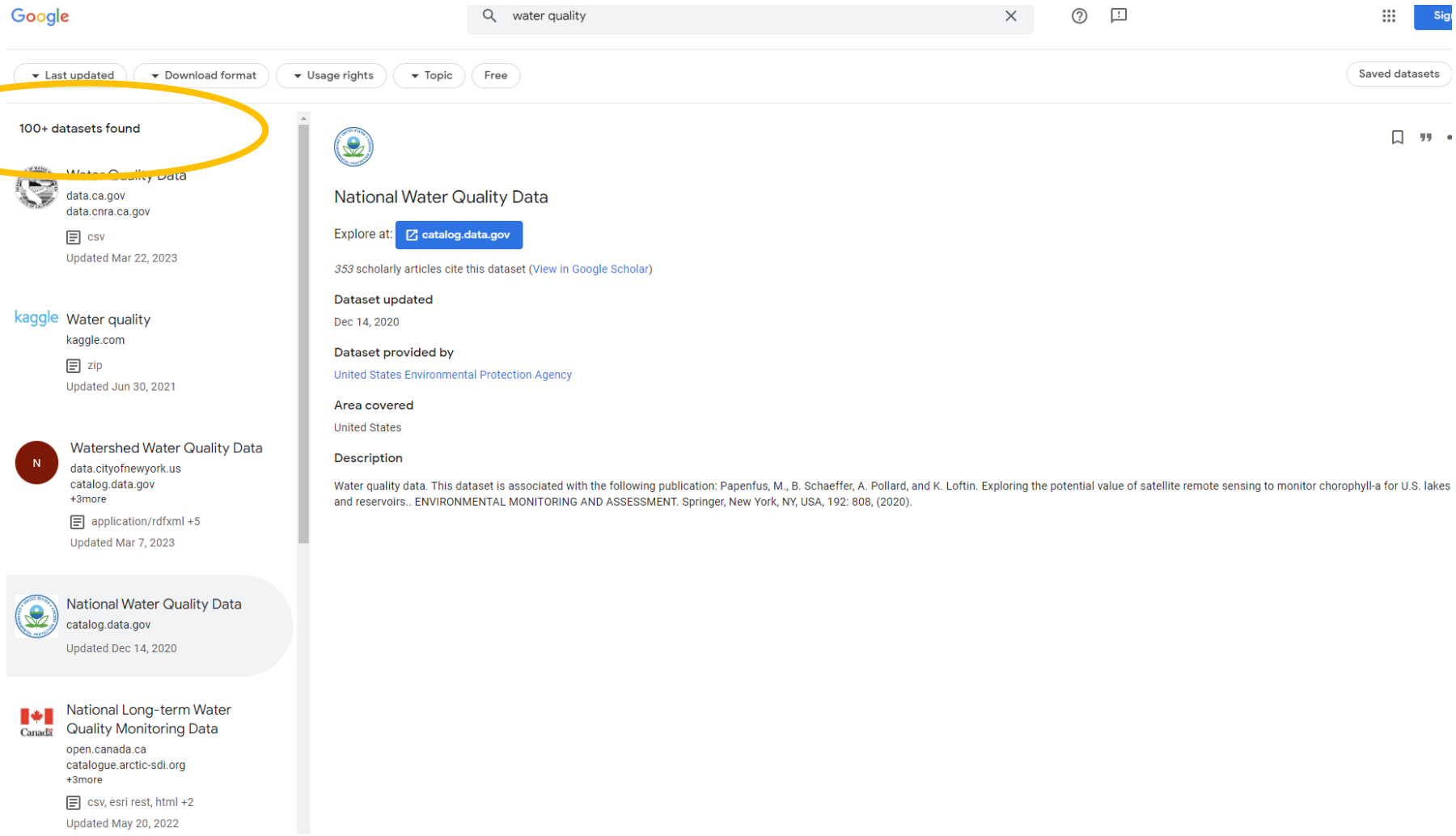
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Description
Water quality data. This dataset is associated with the following publication: Papenfus, M., B. Schaeffer, A. Pollard, and K. Loftin. Exploring the potential value of satellite remote sensing to monitor chorophyll-a for U.S. lakes and reservoirs..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

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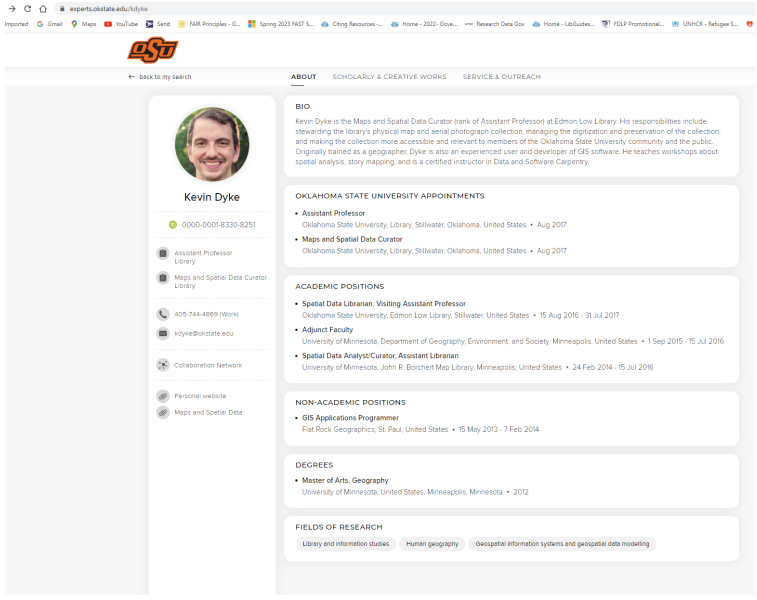
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