

# Open Data Platform

CALIFORNIA NATURAL RESOURCES AGENCY



# The Approach

- ▶ Promote an Agency-wide “Open Data Culture”
- ▶ Support the growth of Communities of Practice and their Use Cases
- ▶ Provide an Open Data Platform which is:
  - ▶ Useful
  - ▶ Useable, and
  - ▶ Used

# Key Architecture Principles

- ▶ One-Size Does Not Fit All
- ▶ Accessible and Interface Friendly
- ▶ Federated
- ▶ Utilize Industry Open Data Standards
- ▶ Leverage Open Source Technologies
- ▶ Support Entire Data Value Chain

# Support the Data Value Chain

- ▶ Data Curation
- ▶ Data Discovery
- ▶ Data Interoperability
- ▶ Data Visualization

# ODP Solution Capabilities

- ▶ Built on CKAN Open-Source Platform For Curation and Search
- ▶ Customization for Departmental Branding
- ▶ Large Dataset Support
- ▶ Flexible Data Type Support Including: Spatial, Time-series, Tabular, Documents and Reports, Images, and Maps

# ODP Solution Capabilities

- ▶ Strong API Services to Support Extreme Workflow Modularity
- ▶ Federation Capabilities
- ▶ Rich Search Options
- ▶ Rich Metadata Support
- ▶ Data Dictionary Support
- ▶ Role Based Security



# Favorite Advanced Features

- ▶ Datastore and Tabular Data Filtering
- ▶ Advanced Search
- ▶ GeoTagger
- ▶ Application Programming Interface (APIs)

# New Features

- ▶ Package search API supports spatial queries
- ▶ Metadata download button

# Coming Soon

- ▶ Federal Harvest Enhancements
- ▶ “Download All” Button to Package and Download Dataset In One File

# Coming Later

- ▶ Single Dataset Stewardship
- ▶ Additional In-Ap Visualization Options
- ▶ Harvest system replacement

# Content Metrics

849,607

Total Webpage Visits  
(since 9/15/2021)

465,259

Total Unique Visitors  
(since 1/23/2018)

21,005

Dataset Count  
(current)

65,613

Resource Count  
(current)

Reset Filters

Display Topic

Water

Display Organization

All

Display Dataset

All

Filter Date

Last 3 Months

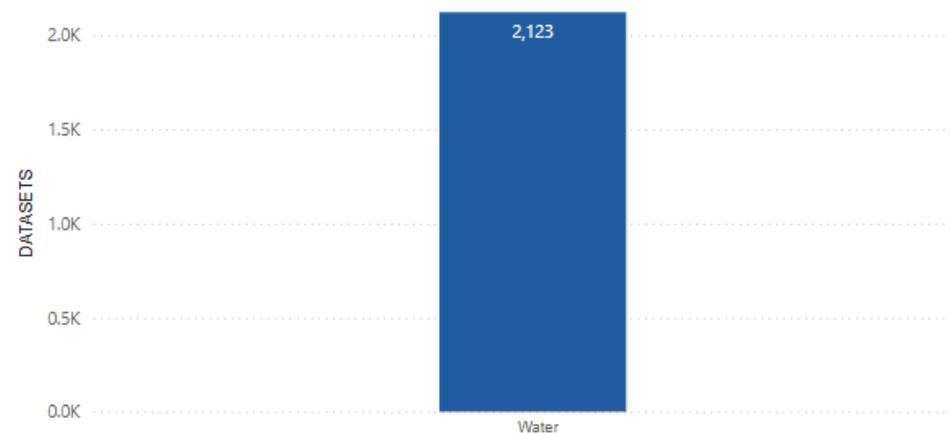
2/6/2025 - 5/5/2025

## DATA CONTENT

This section describes the total number of datasets and resource files, how often they have been accessed, and how many files have been downloaded.

Organization	Dataset Count	Resource Count	Dataset Access	Resource Access
Bureau of Land Management	7	14	9	8
California Department of Conservation	77	475		
California Department of Fish and Wildlife	2,191	13,091	3	
California Department of Forestry and Fire Protection	136	550		
California Department of Parks and Recreation	20	117		
California Department of Water Resources	543	4,785	41,712	55,211
California Energy Commission	166	667		
California Natural Resources Agency	37	160		
California Ocean Protection Council	33	816		
California Protected Areas	2	12		
California State Lands Commission	52	168		
California State Water Resources Control Board	54	445	738	755
California Water Commission	1	18	91	43
Federal Emergency Management Agency	3	5	10	21
<b>Total</b>	<b>21,005</b>	<b>65,613</b>	<b>45,795</b>	<b>57,717</b>

## Datasets by Topic



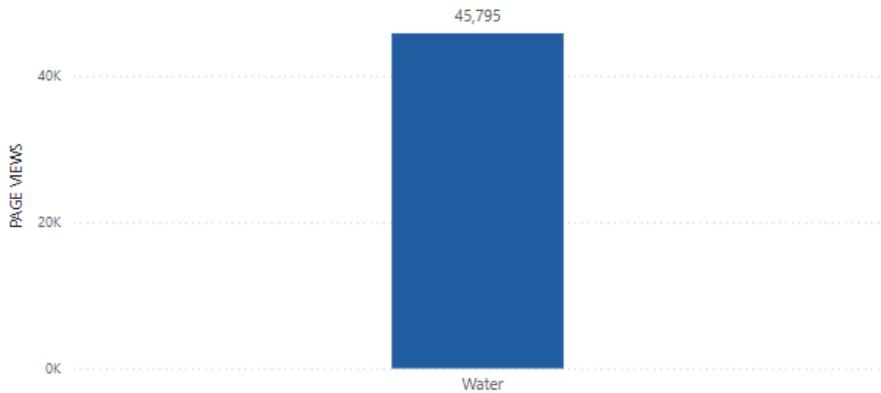
# Usage Metrics

## DATA USAGE

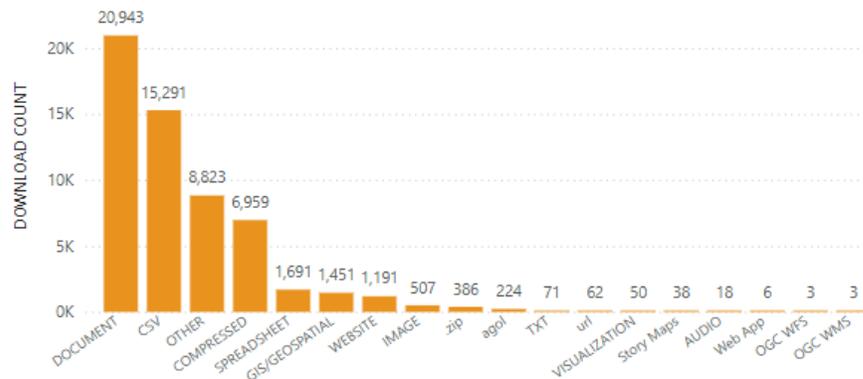
This section describes the total number of page views by topic, the total number of page views by dataset, the number of downloads by resource file type, and the number of data interactions by resource file

(downloads, API calls, embedded table views, filtered table views).

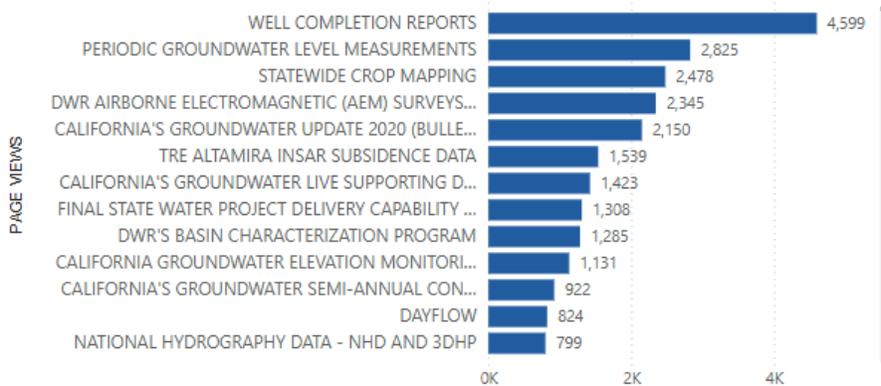
### Pageviews by Topic



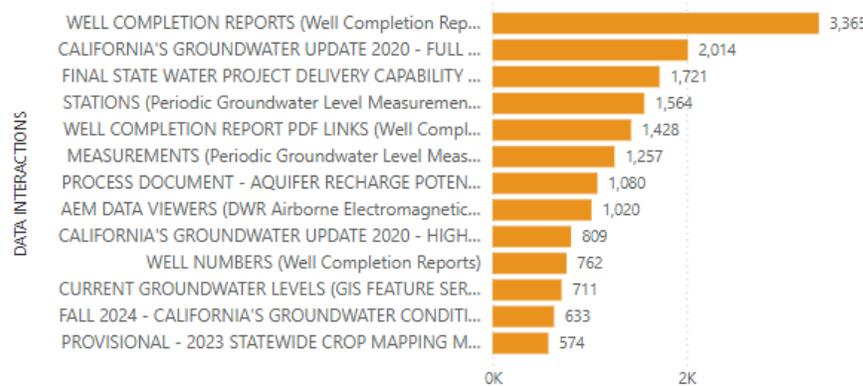
### Downloads by Resource FileType



### Pageviews by Dataset



### Data Interactions by Resource File




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Welcome to

# CALIFORNIA NATURAL RESOURCES AGENCY OPEN DATA

Our mission is to restore, protect and manage the state's natural, historical and cultural resources for current and future generations.

Get started by searching from 1385 datasets and maps from across California

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### Topics

*As datasets are published, they are tagged with categories so you can learn about popular topics. Explore them below.*

  
Wildlife

  
Water

  
Energy

  
Oceans

  
Recreation

  
Conservation

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### Showcases

*See what our users are doing with open data.*

  
3-D Interactive Visualization of California Wind Generators

  
CDFW Biogeographic Information and Observation System (BIOS)

  
Global Reef Tracker

  
CA DWR Land Use Viewer

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### Popular Datasets

*Browse popular datasets below and see what other citizens find interesting.*



WDL Seasonal Groundwater Level Measurements  
35 recent views



California Streams  
30 recent views



California Protected Areas Database 2017a  
20 recent views

### New and Recent Datasets

*Browse new or recently updated datasets below. Click to view details.*



California Streams  
Updated on March 23, 2018



Bighorn Sheep Hunt Zone [ds784]  
Updated on March 23, 2018



CDFW Regions  
Updated on March 21, 2018

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POWERED BY




# California Natural Resources Agency Open Data

[DATA.CNRA.CA.GOV](https://data.cnra.ca.gov)

David.Harris@Resources.Ca.Gov

## Define a Bounding Box

SW 38.3181 -120.4980  
NE 38.6410 -119.7577

Use this tool to specify the coverage area of your data.

Uploading GeoJSON? Then no need to use this. We will get the extent automatically.

### Add Custom Boxes or Points



Point



### Add Named Places

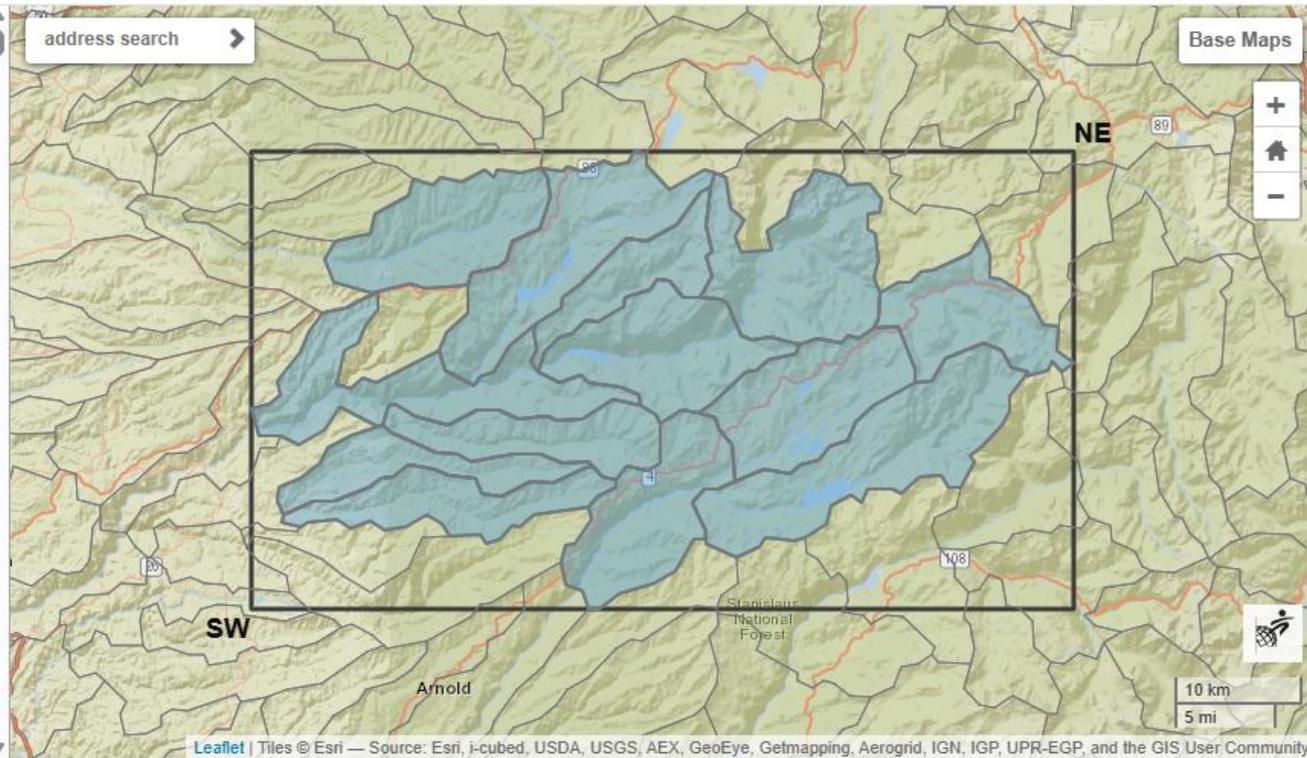
Watershed (HUC) ▾

Stop Selecting

type to search

150301010203  
150301010214  
150301010403  
150301010503

### Copy to Place Keywords



### Spatial Coverage:

```
{ "type": "FeatureCollection", "crs": { "type": "name", "properties": {} } }
```

### Place Keywords:

- × 180400100303 Middle North Fork Stanislaus River
- × 180400100302 Highland Creek
- × 180400120102 Pacific Creek-North Fork Mokelumne River
- × 180400100301 Upper North Fork Stanislaus River
- × 180400120104 Meadow Creek-North Fork Mokelumne River
- × 180400130401 Cat Creek-Middle Fork Cosumnes River
- × 180400120106 Salt Springs Reservoir-North Fork Mokelumne River
- × 180400120105 Cole Creek
- × 180400120401 Bear River
- × 180400120404 Tiger Creek-North Fork Mokelumne River
- × 180400120402 Blue Creek
- × 180400120301 Forest Creek
- × 180400120302 Upper Middle Fork Mokelumne River