







California Environmental Data Federations

A Collaborative Effort Regional and Statewide Programs





Data and Data Component Catalog





DATA COMPONENT

DESCRIPTION



Hydrology/Flow Management Tools ESTANT MANAGEMENT TOOLS PROBLEM CONTROLS

College School Service S

Title: Reservoir Conditions at Key Reservoirs

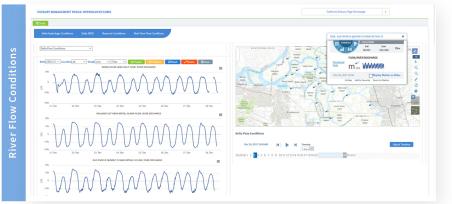
Duration: Hourly data for the last 7 days or customizable

Data: Outflow, storage and inflow. **Source:** California Data Exchange

Center







Title: River Flow Conditions (CFS)

Duration: 15-minute data for the last 7 days or customizable

Data: Flow, River Discharge in the Sacramento-San Joaquin Bay

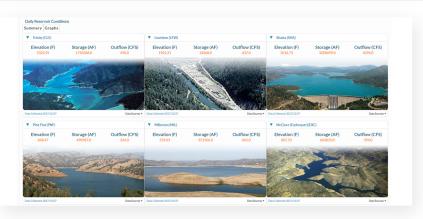
Delta, Lower Sacramento River, and Lower San Joaquin River

Source: California Data Exchange

Center







Title: Daily Reservoir Conditions

Duration: Daily

Data: Reservoir Elevation, Storage

and Outflow

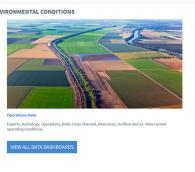
Source: California Data Exchange

Center









Title: Sacramento-San Joaquin Delta Hydrology Summary

Duration: Daily

Data: Delta Inflow, Exports and X2 **Source:** CA Department of Water Resources and the United States

Bureau of Reclamation















DESCRIPTION



Hydrology/Flow Management Tools 🕡

Source: California Department of Water Resources and the United States Bureau of Reclamation

Title: Hydrologic Conditions **Duration:** Water year summaries

Data: Water year classification, unimpaired runoff, net delta

from 1905-2016

outflow index

Title: Hydrologic Conditions **Duration:** Water year summaries from 1905-2016

Data: Water year classification, unimpaired runoff, Net Delta **Outflow Index**

Source: CA Department of Water **Resources and United States** Bureau of Reclamation.





Title: Daily Net Delta Outflow

Duration: Daily data from 2014 to

current or customizable

Source: CA Department of Water

Resources















Management Tools Fisheries

DATA COMPONENT



DESCRIPTION

Title: Fish Survey Catch Summary From 12 California Surveys **Duration:** Past 7 days **Description:** Aggregated catch

data for species of management concern at key locations. Source: US Fish and Wildlife Service (Delta Juvenile Fish Monitoring Program and Enhanced Delta Smelt Monitoring), CA

and Glenn Colusa Irrigation District. Title: Catch Indices for Delta Cross **Channel Operations**

Department of Fish and Wildlife,

Data: Juvenile Chinook catch indices for the Sacramento Trawl, **Knights Landing and Sacramento**

Beach Seines. Source: US Fish and Wildlife

Duration: Daily

Service Delta Juvenile Fish Monitoring Program and CalFish

Title: Environmental Indicators of Fish Migration

Duration: Daily

Data: Flow, Mean Daily and the percent change and water temperature at upstream locations along the

Sacramento River.

Description: Indicator parameters as monitored by the Delta Operations for Salmonid and Sturgeon technical team used to trigger changes in Delta Cross Channel Gate Operations.

Source: California Data Exchange

Center and CalFish

Title: Key Monitoring Stations for Fisheries Management

Duration: Last 7 Days

Data: Flow at Freeport and Vernalis and Turbidity at Jersey

Point

Source: California Data Exchange

Center

Title: salvage and Exports **Duration:** Year to Date

Data: Delta Smelt Salvage and exports at the Banks and Tracy

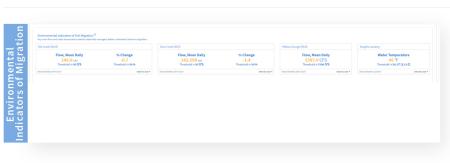
pumping plants

Source: CA Department of Fish and Wildlife and California Data

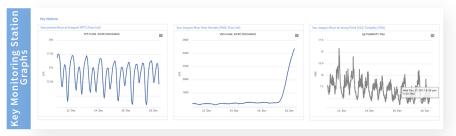
Exchange Center



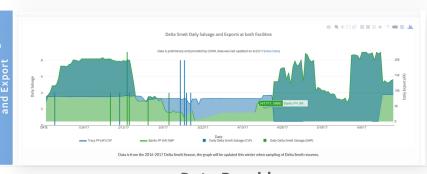






















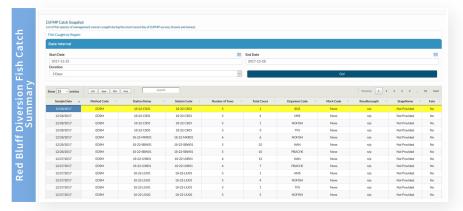




DATA COMPONENT

DESCRIPTION



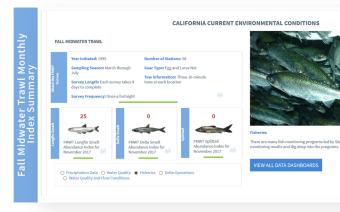


Title: DJFMP Catch Snapshot
Duration: Can be customized
Data: Catch and tow information
for the Enhanced Delta Smelt
Monitoring (EDSM) and Delta
Juvenile Fish Monitoring Program
(DJFMP).

Source: US Fish and Wildlife

Service.



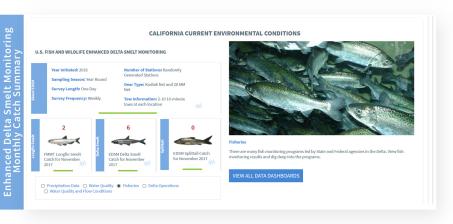


Title: Fall MidWater Trawl Index Summary

Monthly: Sampling Season to Date Data: Survey Information. and catch values for, Longfin Smelt, Delta Smelt and Splittail Abundance Indicies
Source: CA Department of Fish

and Wildlife





Title: Enhanced Delta Smelt
Monitoring Monthly Summary
Duration: Month to Date
Data: Survey information catch
index values for Delta Smelt,
Longfin Smelt, and Splittail.
Source: US Fish and Wildlife
Service Enhanced Delta Smelt
Monitoring





Title: Delta Juvenile Fish Monitoring Program Summary Duration: 7 Days Summary Data: Catch Data for Species of Concern Source: US Fish and Wildlife Service Delta Juvenile Fish Monitoring Program















DATA COMPONENT

DESCRIPTION



Monitoring Fisheries

Fisheries Monitoring Programs





Title: Fisheries Monitoring **Programs and Locations Description:** Map story showing where each monitoring program surveys in the Sacramento-San Joaquin Bay Delta.



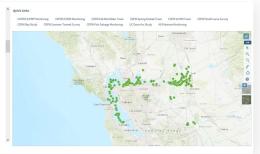
Fisheries Monitoring Programs



Title: Fisheries Monitoring **Programs and Locations Legend** Description: Legend for the **Fisheries Monitoring Programs** and Locations map story.







Title: Fisheries Monitoring **Programs and Locations** Description: Map story showing where each monitoring program surveys in the Sacramento-San Joaquin Bay Delta.



Bluff Diversion Fish Catch Summary

Red Bluff Diversion Dam

| 25 v entries | CSV Beel P | Of Print 50 | arch | | | | | Previous 1 |
|--------------|------------|-------------|-----------|-------------|------------|----------|---------------|------------|
| Date A | Flows | WaterTemp | WaterTurb | BY17 Winter | BY16Spring | BY16Fall | BY17Late-Fall | BY17RBT |
| 12/3/17 | 5648 | 10.5 | 2.7 | 260 | 26 | 78 | 0 | 0 |
| 12/4/17 | 5670 | 10 | 2.8 | 177 | 126 | 126 | 25 | 0 |
| 12/5/17 | 5604 | 9.9 | 2.2 | 711 | 158 | 158 | 0 | 27 |
| 12/6/17 | 5516 | 9.8 | 2.5 | 779 | 285 | 312 | 105 | 0 |
| 12/7/17 | 5494 | 9.9 | 2.9 | 646 | 223 | 174 | 74 | 25 |
| 12/8/17 | 5473 | 9.9 | 2.4 | 613 | 153 | 537 | 26 | 0 |
| 12/9/17 | 5451 | 8.7 | 2.7 | 423 | 25 | 199 | 75 | 0 |
| 12/10/17 | 5429 | 9.8 | 2.9 | 364 | 68 | 138 | 0 | 0 |
| 12/11/17 | 5384 | 9.7 | 2.5 | 365 | 97 | 292 | 0 | 0 |
| 12/12/17 | 5362 | 9.5 | 2.2 | 283 | 47 | 165 | 23 | 23 |
| 12/13/17 | 5340 | 9.4 | 2.3 | 125 | 51 | 376 | 76 | 0 |
| 12/14/17 | 5340 | 9.7 | 2.5 | 101 | 76 | 406 | 25 | 0 |
| 12/15/17 | 5340 | 10.1 | 2.6 | 75 | 125 | 225 | 25 | 0 |
| 12/16/17 | 5318 | 9.7 | 2.7 | 201 | 0 | 326 | 76 | 0 |

Title: Red Bluff Diversion Dam

Data

Duration: 2 Weeks

Data: Flow, Temperature, Turbidity, Salmonid Catch (by run), and Brood Year Biweekly

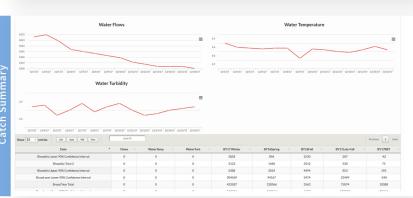
totals.

Source: US Fish and Wildlife

Service



Red Bluff Diversion Fish Catch Summary



Title: Red Bluff Diversion Dam

Duration: 2 weeks Data: Flow, Temperature, Turbidity, Salmonid catch (by run), and Brood year biweekly totals. Source: US Fish

and Wildlife Service

















DESCRIPTION



Fisheries Management Tools



Title: Daily Salvage Summary

Duration: Daily

Data: Exports and salvage by species for both the State Water Project and the Central Valley

roject

Source: CA Department of Fish

and Wildlife

















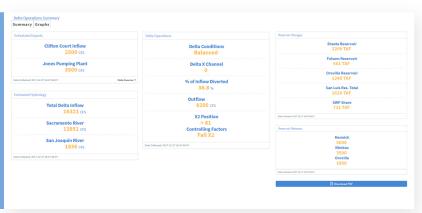
DATA COMPONENT

DESCRIPTION



Delta Operations

ily Water Operations Summary



Title: Delta Operations Summary

Duration: Daily

Data: Exports, Hydrology,

Operational Conditions, Reservoir Storages and Releases, X2 and Net

Delta Outflow Index

Description: These parameters give an overview of conditions in

the Delta.

Source: Department of Water Resources and the United States

Bureau of Reclamation.



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Title: QWEST

Duration: Daily

Data: Net Flow at Jersey Point **Description:** A broad indication of the net direction and quantity of flow in the San Joaquin River at

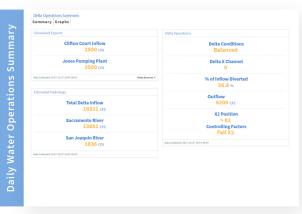
Jersey Point.

Sources: CA Department of Water

Resources







Title: Delta Operations Summary

Duration: Daily

Data: Exports, Hydrology,

Operational Conditions, Reservoir Storages and Releases, X2, Net

Delta Outflow Index

Description: These parameters give an overview of conditions in

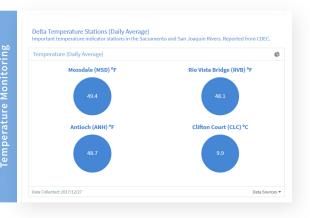
the Delta

Source: Department of Water Resources and the United States

Bureau of Reclamation







Title:Temperature Monitoring Stations

Duration: Current Conditions **Data:** Temperature at Mossdale,
Rio Vista, Antioch and Clifton

Court

Description: Temperature stations used to monitor indications of spawning or migration of listed species.

Source: California Data Exchange

Center















DESCRIPTION



Delta Operations

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Water Quality and Water Supply Snapshot







VIEW ALL DATA DASHBOARDS

Title: Water Quality and Water

Supply Summary Duration: Daily

Data: Flow at Freeport and

Vernalis, Electrical Conductivity at Freeport, and Reservoir Storage at

Key Reservoirs

Source: CA Department of Water

Resources

















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DATA COMPONENT

DESCRIPTION



Water Quality Monitoring





Title: Real-time Turbidity Spatial Data Interpolation

Duration: Last 7 Days

Description: Turbidity model

created from real-time values interpolated and transformed to create color gradients of turbidity values throughout the Delta

Source: California Data Exchange

Center





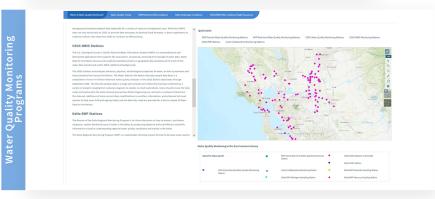
Title: Water Quality Monitoring **Description:** Map based visualization displaying water quality monitoring locations by program in the Sacramento-San Joaquin Delta.





Title: Water Quality Monitoring Legend

Description: Icon legend to accompany Water Quality Monitoring Program map story.



Title: Water Quality Monitoring Description: Map based visualization displaying water quality monitoring locations by program in the Sacramento-San Joaquin Delta.















DATA

Monitoring













DESCRIPTION

Title: Real-Time Electrical **Conductivity Monitoring Duration:** 7 Days

Source: California Data Exchange

Center and United States Geological Survey National Water

Information System









Title: National Water Information System High-Frequency

Monitoring **Duation:** 7 Days

Data: Chlorophyll, Nitrates, Dissolved Oxygen, pH, Specific Conductance, and CDOM

Source: United States Geological

Survey National Water Information System







Title: Real-Time Salinity **Conditions Visualization Duration:** Last 7 Days

Description: Salinity model created from real-time electrical conductivity station data, interpolated and transformed to create color gradients of salinity condtions throughout the Delta.

Source: California Data Exchange

Center















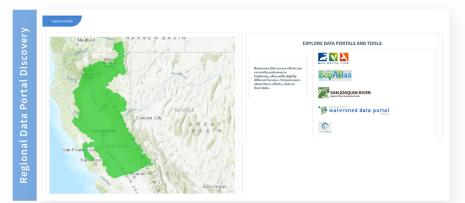
General Monitoring O DATA

DATA COMPONENT

DESCRIPTION

Title: Regional Data Portal Discovery

Description: Interface of California data portals alongside their geographic data coverage.





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Title: Monitoring Program

Discovery

Description: Interface of California monitoring programs alongside the geographical extent of parameter/species monitoring.



















DESCRIPTION

/Presentation Custom UI

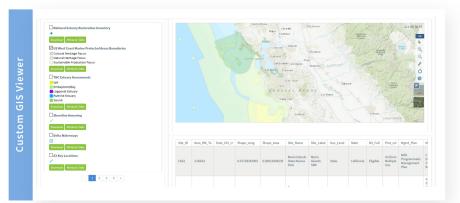
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Title: Topic highlight **Description:** Content Highlight from any regional portal.







Title: Custom GIS Viewer **Description:** Create a custom GIS layer list from a selection of over 600 map layers to combine with an interactive map and attribute table to view the layer and metadata side by side.







Title: Real-time Station Data Description: Choose any CDEC, NWIS, CIMIS, or NOAA sensor. Current value and 3-day time series are reported on your dashboard.









Title: Video and Text Widget Description: Ability to display videos and accompanying text for a topic highlight.

















DESCRIPTION





Title: Catalog List

Description: Custom and
embeddable project and
document lists for dashboards.



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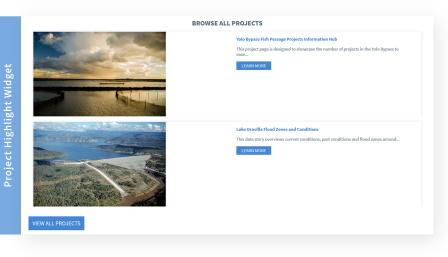


Title: Card Widget **Description:** Spotlight widget to showcase any project, document,

report, asset, program, agency or collaborative effort.







Title: Project Highlights **Description:** Highlight
information of projects, programs,
monitoring, or reporting.









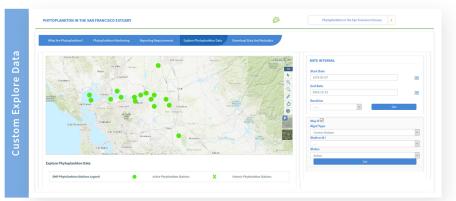




DATA COMPONENT



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Title: Custom Explore Data Filter **Duration:** Defined by data set Data: California Data Exchange Center, California Irrigation Management Information System, National Water Information System, US Fish and Wildlife Service, and California **Environmental Data Exchange** Network

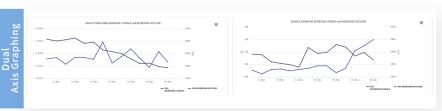
Description: User ability to explore a data set and create

φţţ



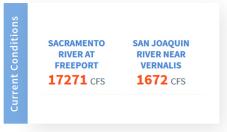
Title: Custom Explore Data Graphs **Duration:** Defined by data set Data: California Data Exchange Center, California Irrigation Management Information System, National Water Information System, US Fish and Wildlife Service, California Environmental Data Exchange Network. Description: User ability to explore a data set and create graphs.





Title: Custom Dual Axis Graphs **Description:** Dual Axis graphs created with two parameters to allow for greater comparison.





Title: Current Conditions **Description:** Display of real-time numerical values and graph toggle for any parameter at multiple









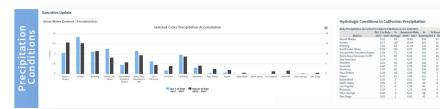






DESCRIPTION





Title: California Precipitation **Duration: Season to Date and Previous Season Total** Source: Department of Water

Resources

Summary





Duration: Water year to date Data: Northern and Central Sierra Precipitation Index, and Snow Water Content regional averages Source: California Department of

Title: Regional Weather Forecasts for Souther to Southern, Central

and Northern California

Source: Department of Water

Duration: Next 7 Days

Resources.

Title: California Precipitation

Water Resources

Regional Weather Forecasts for California

FPUS56 KLOX 281654 AAB ZFPLOX

Zone Forecasts for Southwestern California...UPDATE National Weather Service Los Angeles/Oxnard CA 854 AM PST Thu Dec 28 2017

CAZO41-290015-Los Angeles County Coast including Downtown Los Angeles-Including Malibu, Santa Monica, Beverly Hills, Hollywood, and Long Beach 854 AM PST Thu Dec 28 2017

"GOAX". Summy, Highs from the lower to mid 70s at the beaches to around 80 inland.
"TONINGHT. MOBITY clear. Lows in the upper 40s to mid 50s except around 60 in the hills.
"TONINGHT. MOBITY leighs from the lower to mid 70s at the beaches to the lower 80s inland.
"THININ YHOUT". Moetly clear. Lows in the upper 40s and 50s. West winds around 15 mph in the evening.
"ANYONEAY. SOMEWHY. Highs in the mid 60s to mid 70s.
"ANYONEAY. SOMEWHY. Highs in the mid 60s to lower 70s.
"SOMEMAY NIGHT. JOSET! Clear. Lows in the upper 40s and 50s.
"SOMEMAY NIGHT. FRETLY cloudy. Highs in the mid 60s to lower 70s.
"SOMEMAY NIGHT. FRETLY cloudy. Lows in the mid 60s to lower 70s.

SFOZFPSTO (12/28/17 0315)

FPUS56 KLOX 281654 AAB ZFPLOX

CAIO41-290015-Los Angeles County Coast including Downtown Los Angeles-Including Malibu, Santa Monica, Beverly Hills, Hollywood, and Long Beach 854 AM PST Thu Dec 28 2017

.TODAY..Summy. Highs from the lower to mid 70s at the beaches to around 60 inland.

TOTHOMETH..Nostly clear. Lows in the upper 40s to mid 50s except around 60 in the hills.

TOTHOMETH..Summy. Highs from the lower to mid 70s at the beaches to the lower 80s inland.

TOTHOMETH..TOTHOMETH...TOTHOM

Title: Regional weather Forecasts for Southern, Central, and Northern California

Duration: Next 14 days Source: Department of Water Resources.

FPUS56 KSTO 281113 ZFPSTO

Interior Northern California Zone Forecasts for Calif National Weather Service Sacramento CA 313 AM PST Thu Dec 28 2017

Regional Weather Forecasts for California

























DESCRIPTION

Title: NOAA River and Tide

Forecasting

Duration: Next 14 days **Description:** Tide and river forecasting graphs are used by fisheries agencies for timing of

sampling events.

Source: National Ocean and **Atmospheric Administration**

(NOAA).















| Californi | a Environmental D | | Regional Data Portal | | | | | |
|--|--|--|----------------------|----------|-----------|------------|-------------------|----------|
| Data Source | Data Category | Data Description | Data Access | 272 | watershed | CALIFORNIA | SAN JOAQUIN RIVER | |
| | | Weather forecasts, river bulletins, full weather data | Public | / | / | / | / | / |
| Department of Water Resources CALIFORNIA DATA EXCHANGE CENTER | Water or MUTHICA | Reservoir operations, reservoir summary reports, water quality, hydrodynamic data | Public | / | / | / | / | / |
| rces ANGE (| US Army Corps of Engineers | Precipitation, snow water content, reservoir operations, water quality, hydrodynamic data | Public | / | / | / | / | / |
| A EXCH | PGSE | Precipitation, reservoir operations | Public | / | / | / | / | / |
| of Wate | SMUD | Precipitation, reservoir operations | Public | / | / | / | / | / |
| LIFORN | 6 | Water quality, reservoir operations, precipitation, hydrodynamic information, snow water content | Public | / | / | / | / | / |
| CAI | Science for a changing world | Water quality, hydrodynamic information, snow water content | Public | / | / | / | / | / |
| | Delta Juvenile Fish Monitoring Program (DJFMP) Trawl and Seine Data | Web services for long-term Delta Juvenile fish monitoring program catch and environmental data for trawls and seines | Portal Specific* | / | | | | |
| FISH A WILDRIPE SORVER | Enhanced Delta Smelt Monitoring (EDSM) Catch Data and Mapping | Data display of catch information for key species through the Enhanced delta Smelt Monitoring Program | Portal Specific* | / | | | | |
| | USFWS Red Bluff Diversion Dam Data | Red Bluff Diversion Dam Rotary Screw Trap and Environmental Monitoring Data | Portal Specific* | / | / | / | / | |
| | Critical Habitat (GIS) | Critical habitat spatial data for threatened and endangered species in California | Public | / | / | | | |
| | USGS (National Water Information System) | National Water Information System includes data regarding: flow, inflow, flooding, freezing, and stage | Public | ✓ | ✓ | ✓ | ✓ | |
| S and a sould | National Hydrography Data set (GIS) | Nationwide GIS layer which includes: flowlines, watershed boundaries, and surface water bodies | Public | / | / | / | / | |
| US for a changi | Special Studies | Acoustic Telemetry Fish Tracking, Water Quality | Portal Specific* | / | | | | |
| science | Abandoned Mine Lands Initiative | Location and information data for Abandoned Mines | Portal Specific* | | / | | | |
| | EMMMA (GIS) | Environmental Mercury Mapping, Modeling and Analysis (EMMA) GIS data layer | Public | ✓ | ✓ | ✓ | ✓ | / |
| | SWAMP | SWAMP monitoring evaluates the physical, chemical, and biological integrity of the State's waters. | Public | / | / | / | / | / |
| 3 | Central Valley | The Central Valley Regional Data Center collects and manages water and sediment quality data collected throughout the Central Valley | Public | / | / | / | / | / |
| | Water Boards | The California State Water Resources Control Board collects data related to stream pollution trend monitoring, regional board monitoring, nutrient concentration, TMDL enforcement, pesticides monitoring, bioaccumulation monitoring, and special studies | Public | ✓ | ✓ | ✓ | ✓ | / |
| 3 | | The U.S. EPA collects data related to stream pollution trend monitoring, nutrient concentration, TMDL enforcement, pesticides monitoring, bioaccumulation monitoring, and special studies | Public | ✓ | / | ✓ | / | / |
| CED | SS | San Francisco Estuary Institute (SFEI) collects and manages water and sediment quality data collected throughout the San Francisco Bay-Delta and northern montane regions | Public | V | V | V | V | / |
| | \$CCWR, | Southern California Coastal Water Research Project (SCCWRP) collects and manages water and sediment quality data collected throughout Southern California | Public | | | | | |
| | | Moss Landing Marine Labs collects and manages water and sediment quality data collected in Coastal Regions of California | Public | | | | | |

| Californi | a Environmental D | ata Inventory | | Regional Data Portal | | | | |
|--|---|---|---------------------|----------------------|-----------|------------|-------------------|----------|
| Data Source | Data Category | Data Description | Data Access | 271 | watershed | CALIFORNIA | SAN JOAQUIN RIVER | 6 |
| HERIES | River Forecast | River stage forecast, flood stage forecast, record high and low flow/stage, current river stage | Protal Specific* | / | / | / | / | |
| NOAAFISHERIES | Weather Forecast | Air temperature forecast (min and max); hourly temperature forecast; wind speed; wind direction; sky cover; and weather watches, warnings and advisories | Protal Specific* | / | / | / | | |
| | Tides and Currents | Tide predictions and historic tide information | Protal Specific* | / | / | / | | |
| | CIMIS (California Irrigation Management Information System) | Precipitation, air temperature, solar radiation pressure, wind information, dew point | Public | / | / | / | / | / |
| | Water Data Library (WDL) | Historic and current groundwater data, water quality (continuous and discrete) | Protal Specific* | | | | | |
| | Environmental Monitoring Program (EMP) | Water quality data (discrete and continuous), benthic macroinvertebrate monitoring, phytoplankton sampling, chlorophyll a, and hydrological conditions | Public | / | | / | / | / |
| | California Cooperative Snow Surveys | Snow water equivalent, snow depth, snow water content, long-term monitoring for analysis | Public | / | / | / | / | / |
| | Interagency Ecological Program (IEP) | Water quality conditions, vessel calendar, discrete water quality, fish monitoring, phytoplankton, benthic, zooplankton, aquatic ecology studies, and special studies | Public | / | / | / | / | / |
| | DWR Municipal Water Quality | Water quality, flow, salinity, mean daily pumping, bromide, power generation, turbidity, net Delta outflow, unimpaired runoff, and X2 | Public | / | / | / | / | / |
| | Sacramento Watershed Coordinated Monitoring Program | The SWCMP is designed to meet the monitoring needs of the Regional Board's Surface Water Ambient Monitoring Program (SWAMP) and the DWR Northern District's Water Quality and Biology section. | Public | ✓ | ✓ | ✓ | ✓ | ✓ |
| O let all the control of the control | Central Valley Operations | Reservoir operations, water deliveries, water accounting report, fish reports, OMR index calculation, pumping and exports | Public | / | / | / | / | / |
| | WARMF Model Results | Watershed Analysis Risk Management Framework (WARMF) for predicting salinity (EC) in the San Joaquin River Watershed | Public | | | | / | |
| | Salvage at SWP and CVP Pumps | Salvage data from the Skinner Fish Facility and the Tracy Fish Facility | Protal Specific* | / | | | | |
| CALIFORNIA FISH & WILDLIFE | Trawl Data | Trawl data for 20 MM, Spring Kodiak Trawl (SKT), Fall Midwater Trawl (FMWT), Smelt Larva Survey (SLS), and Summer Townet | Protal Specific* | / | | | | |
| S | Environmental Monitoring Program (EMP) Zooplankton Data | Long-term zooplankton monitoring data as part of the Environmental Monitoring Program (EMP) | Public | / | | / | / | / |
| | Rotary Screw Trap Salmonid Monitoring | Catch summaries from CDFW Rotary Screw Traps (RST) at Knights Landing and Tisdale on the Sacramento river | Protal Specific* | / | / | | | |
| THE STATE OF THE S | STORET | Water quality, biological, and physical data | Protal Specific* | / | | | | |
| MAN PROTECTION | wQx | Ambient Water Quality Data Exchange Platform | Protal Specific* | / | | | | |
| BAY-DELTA LIVE | Regional Data Platform | This Regional Data Platform aggregates data, maps, visualizations, GIS, documents, reports, projects, and images with the focus on the San Francisco-San Joaquin Bay Delta. | Protal Specific* | | ✓ | ✓ | | ✓ |
| watershed | Regional Data Platform | The Sacramento River Watershed Data Platform presents stakeholder driven topics through the use of current and historic environmental monitoring data, data dashboards, data and map stories, maps, GIS, written content, reports, and images. | Protal Specific* | ✓ | | | ✓ | ✓ |
| CALIFORNIA | Regional Data Platform | The California Estuaries Portal is one of the My Water Quality Portals and is used to communicate information on California's Estuaries through the use of maps, GIS, questions answered, data stories, reports, and images. | Protal Specific* | / | | | ✓ | / |
| SAN JOAQUIN RIVER | Regional Data Platform | Using model outputs and real-time water quality conditions this platform synthesizes and displays water quality conditions for salinity management. | Protal Specific* | V | ✓ | / | | V |
| | Regional Data Platform | Monitoring and reporting of water quality conditions and trends in the San Francisco-San Joaquin Bay Delta using biological data, water quality data (discrete and continuous), hydrologic data, reports, images, maps, and visualizations. | Protal Specific* | ✓ | | / | ✓ | |

| Cathornia GIS inventory | | |
|--|---|---|
| Layer Name | Organization | Layer Description |
| Eastern Shasta Trinity National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for majvegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| astern Shasta Trinity National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| El Dorado National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| FRID_ElDoradoNF_simp200_RP | U.S. Forest Service and The Nature Conservancy | The mean reference fire return interval is an approximation of how often, on average given PFR likely burned in the three or four centuries prior to significant Euroamerica |
| FRID_TahoeNF_simp200_currentFRI | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Klamath National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Klamath National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Lassen National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Lassen National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Mendocino National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Mendocino National Forest Mean Reference Fire Return Interval | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Modoc National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Modoc National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Plumas National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This is a subset of the mercury commodity features from the California-wide mineral resource layer |
| Plumas National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This is a subset of the mercury commodity features from the California-wide mineral resource layer |
| Tahoe National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This is a subset of the mercury commodity features from the California-wide mineral resource layer |
| Tahoe National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This is a subset of the mercury commodity features from the California-wide mineral resource layer |
| Western Shasta Trinity National Forest Current Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| lestern Shasta Trinity National Forest Mean Reference Fire Return Intervals | U.S. Forest Service and The Nature Conservancy | This polygon layer consists of information compiled about fire return intervals for maj vegetation types on the 18 National Forests in California and adjacent land jurisdiction |
| Historic Fire Perimeters | U.S. Forest Service Pacific Southwest Region | Historic Fire Perimeters in the Sacramento River Watershed |
| Fire Management Zones | U.S. Forest Service Pacific Southwest Region | U. S. Forest Service Fire Management Zones |
| CalVeg | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - American Subregion | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - Eastside Subregion | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - Feather Subregion | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - Northeast Subregion | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - SacValley | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| CalVeg - Westside | U.S. Forest Service Pacific Southwest Region* | CALVEG is a hierarchical classification system of actual vegetation designed to assess vegetation-related resources throughout California |
| 1945 Timberland Resources | U.S. Forest Service* | 1945 Timber stand assessments |
| Tree Mortality High Priority Counties | U.S. Forest Service* | High Priority Counties were identified by the Tree Mortality Taskforce as most in need of assistance in addressing tree mortality issues and include Amador, Calaveras, El Dorado, Fresno, Kern, Madera, Mariposa, Placer, Tulare, and Tuolumne |
| California Reservoirs | U.S. Geological Survey | Reservoirs in California as Designated by the U.S. Geological Survey |
| Carson, Truckee, and Walker Watershed NHD Flowlines | U.S. Geological Survey | NHD Flowlines for the Carson, Truckee, and walker River Watersheds |
| Delta Waterways | U.S. Geological Survey | Delineation of Waterways in the Legal Delta |
| Gold Resources | U.S. Geological Survey | This is a subset of the gold commodity features from the California-wide mineral resource layer |



| Layer Name | Organization | Layer Description |
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| Final Critical Habitat for Conservancy fairy shrimp (Branchinecta conservation) OR Branchinecta conservation (Conservancy fairy shrimp) | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office | These data identify, in general, the areas of final critical habitat for Conservancy fairy shrimp (Branchinecta conservation) OR Branchinecta conservation (Conservancy fairy shrimp) |
| Yosemite Toad Critical Habitat | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office, http://criticalhabitat.fws.gov /docs/crithab/zip/ PCH_ANAXYRUSCANORUS_YYYYMMDD.zip | These data identify, in general, the areas of PROPOSED critical habitat for Anaxyrus canorus (Yosemite toad) |
| Delta Smelt Critical Habitat | U.S. Fish and Wildlife Service | The Wetlands mapper is designed to deliver easy-to-use, map like views of America's Wetland resources |
| U.S. Fish and Wildlife Service Wetlands Web Service | U.S. Fish and Wildlife Service | Historic Range of Central Valley Winter-run Chinook Salmon in California |
| U.S. Fish and Wildlife Service Red Bluff Diversion Dam Rotary Screw Trap | U.S. Fish and Wildlife Service | Red Bluff Diversion Dam Rotary Screw Trap, U.S. Fish and Wildlife Service |
| U.S. Fish and Wildlife Service Riparian Data Web Service | U.S. Fish and Wildlife Service | Web Mapping Services for Riparian Data Provided by the U.S. Fish and Wildlife Service |
| U.S. Fish and Wildlife Service Delta Smelt | U.S. Fish and Wildlife Service | U.S Fish and Wildlife Service designated Delta Smelt habitat |
| J.S. Fish and Wildlife Service Wetlands Data (1:250,000 scale) Web Service | U.S. Fish and Wildlife Service | The National Wetlands Inventory (NWI) has been producing wetland maps and geospatial wetland data for the United States since the mid-1970s |
| Jersey Point Trawl Location | U.S. Fish and Wildlife Service Delta Juvenile Fish Monitoring Program | Location of the Early Warning Survey Jersey Point Trawl Location |
| Chipps Island Trawl | U.S. Fish and Wildlife Service Delta Juvenile Fish Monitoring Program* | Location of the DJFMP Chipps Island Trawl |
| Delta Juvenile Fish Monitoring Program Key Locations | U.S. Fish and Wildlife Service Delta Juvenile Fish Monitoring Program* | Key Regions, Landmarks, Survey, and Sample Locations for the U.S. Fish and Wildlife Services Delta Juvenile Fish Monitoring Program |
| Enhanced Delta Smelt Monitoring 20 MM Weekly Catch Summaries | U.S. Fish and Wildlife Service* | Weekly Catch Summaries of Longfin and Delta Smelt as part of the Enhanced Delta Smelt Monitoring |
| Enhanced Delta Smelt Monitoring Far West Region | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring Far West Region |
| Enhanced Delta Smelt Monitoring High Risk High Density Strata | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring High Risk High Density Strata |
| Enhanced Delta Smelt Monitoring High Risk Low Density Strata | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring High Risk Low Density Strata |
| Enhanced Delta Smelt Monitoring Low Risk High Density Strata | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring Low Risk High Density Strata |
| Enhanced Delta Smelt Monitoring Low Risk Low Density Strata | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring Low Risk Low Density Strata |
| Enhanced Delta Smelt Monitoring Modified Catch per 10 min tow | U.S. Fish and Wildlife Service* | Enhanced Delta Smelt Monitoring Modified Catch per 10 min tow summed by Subregion |
| Enhanced Delta Smelt Monitoring North Region | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring North Region |
| Enhanced Delta Smelt Monitoring South Region | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring South Region |
| Enhanced Delta Smelt Monitoring Stations and Catch | U.S. Fish and Wildlife Service* | This layer displays the results of the Enhanced Delta Smelt Monitoring Program that was initiated on December 15, 2016 |
| Enhanced Delta Smelt Monitoring Stratum | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring Stratums |
| Enhanced Delta Smelt Monitoring Subregions | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring Subregions |
| Enhanced Delta Smelt Monitoring Weekly Catch Summary of Key Species | U.S. Fish and Wildlife Service* | This layer displays the results of the Enhanced Delta Smelt Monitoring Program that was initiated on December 15, 2016 |
| Enhanced Delta Smelt Monitoring West Region | U.S. Fish and Wildlife Service* | Delineation of the Enhanced Delta Smelt Monitoring West Region |
| Enhanced Delta Smelt Monitoring Most Recent Daily Catch | U.S. Fish and Wildlife Service* | This layer displays the results of the Enhanced Delta Smelt Monitoring Program that was initiated on December 15, 2016 |
| MODIS Current Fire Detections Web Service | U.S. Forest Service | MODIS fire detections for the continental United States categorized by occurrence within the last 6, 12 and 24 hours, and all detections previous to the last 24-hour perio |
| MODIS v3 Map Service | U.S. Forest Service | Active fire map web services |
| National Insect and Disease Risk Map Data Web Service | U.S. Forest Service | Web services for the National Insect and Disease Risk Map Data |
| National Forests in the Sacramento River Watershed | U.S. Forest Service | Delineation of National Forest Land in the Sacramento River Watershed |
| U.S. Forest Service Web services | U.S. Forest Service | Web mapping services provided by the U.S. Forest Service |
| Wild and Scenic Rivers | U.S. Forest Service | Delineation of Wild and Scenic Rivers in the U.S |
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| Layer Name | Organization | Layer Description |
| Hass Slough | U.S. Geological Survey | Delineation of Hass Slough |
| Hastings Tract | U.S. Geological Survey | Delineation of Hastings Tract |
| Holland Island | U.S. Geological Survey | Delineation of Holland Island |
| Nevada Lakes and Reservoirs | U.S. Geological Survey | Delineation of lakes and Reservoirs in the State of Nevada |
| Mercury Mines | U.S. Geological Survey | Data for 1100 mercury mine locations were extracted from the USGS's Minerals Availability and Mineral Industry Location Database (MAS/MILS) |
| Mercury Resources | U.S. Geological Survey | This is a subset of the mercury commodity features from the California-wide mineral resource layer |
| MRDS California Geologic Map Data Web Service | U.S. Geological Survey | Mineral Resources Data System Geological map web service |
| Groundwater Information Network Web Services | U.S. Geological Survey | Web Services for the Groundwater Information Network |
| Principle Areas of Mine Pollution | U.S. Geological Survey | Delineation of Principle Areas of Mine Pollution |
| Topographically Occurring Mines | U.S. Geological Survey | Map of Topographically occurring mines |
| Ulatis Creek | U.S. Geological Survey | Delineation of Ulatis Creek |
| USGS California Geology | U.S. Geological Survey | Map of California Geology |
| USGS Mineral Resource Data System | U.S. Geological Survey | Mineral resource occurrence data covering the world, most thoroughly within the U.S. |
| Yolo Bypass | U.S. Geological Survey | Delineation of the Yolo Bypass |
| California Reservoirs | U.S. Geological Survey | This s a California subset of a point coverage of dams in the United States and Puerto Rico, which originally was derived from the national inventory of dams data base (U.S. Army Corps of Engineers, 1982) |
| Central Valley Hydrologic Model Regions | U.S. Geological Survey California Water Science Center | The CVHM is an extensive, detailed three-dimensional (3D) computer model of the hydrologic system of the Central Valley (Faunt, 2009) |
| Campgrounds | U.S. Geological Survey Geographic Names Information System | Map layer of California Campgrounds |
| Mercury in Soils | U.S. Geological Survey Mineral Resource Data System | Mapping of Mercury in soils |
| Major Rivers | U.S. Geological Survey National Hydrography Dataset | Using the USGS NHD GIS this is a layer showing only large rivers |
| Barker Slough | U.S. Geological Survey* | Layer delineating the boundary of Barker Slough |
| Cache Collaborative Geographical Features | U.S. Geological Survey* | Combination of geographic features in the Cache Slough Complex |
| Cache Collaborative Islands | U.S. Geological Survey* | Delineation of Delta Islands in the Cache Slough Region |
| Cache Slough | U.S. Geological Survey* | Delineation of the Cache Slough Geographical feature |
| Calhoun Cut | U.S. Geological Survey* | Delineation of Calhoun Cut |
| Delta X Channel Location | U.S. Geological Survey* | Delineation of the Delta Cross Channel Gates |
| Fremont Weir | U.S. Geological Survey* | Delineation of the Fremont Weir |
| Liberty Cut | U.S. Geological Survey* | Delineation of Liberty Cut |
| Liberty Island | U.S. Geological Survey* | Delineation of Liberty Island |
| Lindsey Slough | U.S. Geological Survey* | Delineation of Lindsey Slough |
| Maine Prairie Slough | U.S. Geological Survey* | Delineation of Maine Prairie Slough |
| Prospect Island | U.S. Geological Survey* | Delineation of Prospect Slough |
| Prospect Slough | U.S. Geological Survey* | NHD Flowlines for the Carson, Truckee, and walker River Watersheds |
| Sacramento River Deepwater Ship Channel | U.S. Geological Survey* | Mapped location of the Sacramento River Deepwater Ship Channel |
| Shag Slough | U.S. Geological Survey* | Delineation of Shag Slough |



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| Layer Name | Organization | Layer Description | | |
| NRCS Soil Types | Soil Survey Staff, Natural Resources | NRCS soil types and information produced by the National Cooperative Soil Survey | | |
| Sudden Oak Death Lab Confirmed Infected | Sudden Oak Death Lab | The SODMAP Project is a partnership of scientists and citizens, working together to create the most complete distribution map of a forest disease ever produced in North America | | |
| Sudden Oak Death Lab Confirmed Uninfected | Sudden Oak Death Lab | The SODMAP Project is a partnership of scientists and citizens, working together to create the most complete distribution map of a forest disease ever produced in North America | | |
| Central Valley Winter-Run Chinook Historic Range | U.C. Davis | Historic Range of Central Valley Winter-run Chinook Salmon in California | | |
| Natural Resources Project Inventory | U.C. Davis | The Natural Resource Projects Inventory (NRPI) synthesizes project related data on natural resources | | |
| Arc Study Monitoring Locations | U.C. Davis* | U.C. Davis Extending the Arc monitoring locations | | |
| Arc Study Boundary | U.C. Davis* | Study Boundary of the U.C. Davis Extending the Arc monitoring | | |
| Suisun Marsh Study Monitoring Locations | U.C. Davis* | Sampling locations for the Suisun Marsh Fish monitoring program | | |
| Sierra Nevada Meadows | U.C. Davis* | Survey of meadows in the northern Sierra Nevada | | |
| 2016 US Forest Service Aerial Survey of Tree Mortality | U.S. Forest Service | Tree mortality from prolonged drought and bark beetles increased more than eight fold in California forests in 2015 and continues to increase | | |
| Fire Activity Web Service | U.S. Forest Service | This is a map of US wildfire locations (active/recent) and other sources of information related to wildfires, including social media | | |
| Insect and Disease Risk Map Web Services | U.S. Forest Service | The goal of NIDRM is to summarize landscape-level patterns of potential insect and disease activity, consistent with the philosophy that science-based, transparent methods should be used to allocate pest-management resources across geographic regions and individual pest distributions | | |
| 1896 Sacramento River Channel | U.S. Army Corps of Engineers | The Sacramento River channel in 1896 as mapped from the U.S. Army Corps of Engineers mapping program | | |
| State and Federal Water Projects Canals | U.S. Bureau of Reclamation and California Department of Water Resources* | This layer displays the State and Federal Water Project canals | | |
| State-Federal Water Project Reservoirs (polygon) | U.S. Bureau of Reclamation and California Department of Water Resources* | This layer displays the locations of reservoirs that serve both the State Water Project and Central Valley Project in California | | |
| State and Federal Reservoirs (point) | U.S. Bureau of Reclamation and California Department of Water Resources* | This layer displays the locations of reservoirs that serve both the State Water Project and Central Valley Project in California | | |
| Central Valley Project Canals | U.S. Bureau of Reclamation* | This layer represents the locations of canals that are part of the Central Valley Project | | |
| Central Valley Project Canals | U.S. Bureau of Reclamation* | This layer represents the canals and aqueducts that are part of the Central Valley Water Project, operated by the US Bureau of Reclamation | | |
| Central Valley Project Reservoirs | U.S. Bureau of Reclamation* | This dataset displays the locations of reservoirs in California that are part of the Central Valley Project, operated by the US Bureau of Reclamation | | |
| Central Valley Project Reservoirs (point) | U.S. Bureau of Reclamation* | This layer represents the locations of reservoirs that are part of the State Water Proje and the reservoir points are sized relative to their storage capacity | | |
| CA, OR, NV Hydroelectric Power Plants | U.S. Energy Information Administration* | This is a point dataset representing operable hydroelectric generating plants in the United States by energy source | | |
| California Hydroelectric Power Plants | U.S. Energy Information Administration* | This is a point dataset representing operable hydroelectric generating plants in the United States by energy source | | |
| Superfund Mines | U.S. Environmental Protection Agency | Location of Superfund Mines in the Sacramento River Watershed | | |
| Final Critical Habitat for Deltistes luxatus (Lost Riversucker) | U.S. Fish & Wildlife Service, Klamath Falls Fish and Wildlife Office | These data identify, in general, the areas of final critical habitat for Deltistes luxatus (Lost Riversucker) | | |
| Final Critical Habitat for Modoc sucker (Catostomus microps) OR Catostomus microps (Modoc sucker) | U.S. Fish & Wildlife Service, Klamath Falls Fish and Wildlife Office | These data identify, in general, the areas of final critical habitat for Modoc sucker (Catostomus microps) OR Catostomus microps (Modoc sucker) | | |
| Final Critical Habitat for delta green ground beetle (Elaphrus viridis) OR Elaphrus viridis (delta green ground beetle) | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office | These data identify, in general, the areas of Final critical habitat for Elaphrus viridis (delta green ground beetle) | | |
| Final Critical Habitat for vernal pool fairy shrimp (Branchinecta lynchii) OR Branchinecta lynchii (vernal pool fairy shrimp) | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office | These data identify, in general, the areas of final critical habitat for vernal pool fairy shrimp (Branchinecta lynchii) OR Branchinecta lynchii (vernal pool fairy shrimp) | | |
| Final Critical Habitat for vernal pool tadpole shrimp (Lepidurus packardi) OR Lepidurus packardi (vernal pool tadpole shrimp) | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office | These data identify, in general, the areas of Final critical habitat for Lepidurus packardi (vernal pool tadpole shrimp) | | |
| Final Critical Habitat for California red-legged frog (Rana draytonii) OR Rana draytonii (California red-legged frog) | U.S. Fish & Wildlife Service, Sacramento Fish and Wildlife Office | These data identify, in general, the areas of final critical habitat for Rana draytonii (California red-legged frog) | | |



| Layer Name | Organization | Layer Description Control of the Con |
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| ESRI Water Boards Water Quality | ESRI Water Boards Water Quality | Water Boards Water Quality Web services |
| Federal Emergency Management Agency Hazard Mitigation Planning Portal Web Services | Federal Emergency Management Agency | The Mitigation Planning Portal (MPP) is an online portal for tracking and reporting the status of mitigation plans across all 10 Federal Emergency Management Agency (FEMA) Regions |
| Federal Emergency Management Agency National Flood Hazard Layers | Federal Emergency Management Agency | Federal Emergency Management Agency (FEMA) provides access to the National Flood Hazard Layer through web mapping services. The National Flood Hazard Layer is a computer database that contains FEMA's flood hazard map data |
| United States Drought Monitor | From the National Drought Mitigation Center (NDMC), the U.S. Department of Agriculture (USDA) and the National Oceanic and Atmospheric Administration. | The U.S. Drought Monitor is a weekly map of drought conditions that is produced jointly by the National Oceanic and Atmospheric Administration, the U.S. Department of Agriculture, and the National Drought Mitigation Center (NDMC) at the University of Nebraska-Lincoln |
| Glenn-Colusa Irrigation District Rotary Screw Trap | Glenn-Colusa Irrigation District | Location of the Glenn-Colusa Irrigation District Rotary Screw Trap |
| California Protected Areas Database | GreenInfo Network | The California Protected Areas Database (CPAD) contains data on lands owned in fee t governments, non-profits and some private entities that are protected for open space purposes |
| Native American Reservation Lands | GreenInfo Network | Delineation of Native American reservation land in California |
| MODIS NASA 2 Web Service | National Aeronautics and Space Administration | Active fire web services |
| California Central Coast Steelhead Distribution | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts Steelhead presence as well as habitat type and quality in the Central California Coast Evolutionary Significant Unit (ESU) |
| Chinook Critical Habitat Central Valley Spring-run Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Chinook Critical Habitat as well as habitat type and quality in the Central Valley Spring-run Evolutionary Significant Unit (ESU) |
| Chinook Distribution in the Central Valley Spring-run Evolutionary Significant Unit (ESU). | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts Chinook presence as well as habitat type and quality in the Central Valley Spring-run Evolutionary Significant Unit (ESU) |
| Chinook Presence, Habitat Type and Quality in the California Coastal Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts Chinook presence as well as habitat type and quality in the California Coastal Evolutionary Significant Unit (ESU) |
| Chinook Critical Habitat Central Valley pring-run Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Chinook Critical Habitat as well as habitat type and quality in the Central Valley Spring-run Evolutionary Significant Unit (ESU) |
| Steelhead Critical Habitat in the South-central California Coast Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Steelhead Critical Habitat as well as habitat type and quality in the South-central California Coast Evolutionary Significant Unit (ESU) |
| Steelhead Distribution in the California Central Valley Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts steelhead presence as well as habitat type and quality in the California Central Valley Evolutionary Significant Unit (ESU) |
| Central California Coast Steelhead Critical Habitat in the Evolutionary Significant Unit (ESU) | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Steelhead Critical Habitat as well as habitat type and quality in the Central California Coast Evolutionary Significant Unit (ESU) |
| CA Coast Chinook Habitat | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Chinook Critical Habitat as well as habitat type and quality in the California Coastal Evolutionary Significant Unit (ESU) |
| California Central Valley Steelhead Habitat | National Marine Fisheries Service (NMFS) National Oceanic and Atmospheric Administration (NOAA) | Depicts areas designated for Steelhead Critical Habitat as well as habitat type and quality in the California Central Valley Evolutionary Significant Unit (ESU) |
| Nexrad | National Oceanic and Atmospheric Administration (NOAA) | The Next Generation Weather Radar web services |
| California Nevada River Forecast Center, National Oceanic and Atmospheric Administration | National Oceanic and Atmospheric Administration (NOAA) | Hydrologic weather data and river forecasts for California and Nevada |
| Hourly Precipitation Map Service | National Oceanic and Atmospheric Administration (NOAA) | Hourly Precipitation Data (HPD) is digital data set DSI-3240, archived at the National Climatic Data Center (NCDC) |
| NWS 6 to 10 Day Precipitation and Temperature Outlooks | National Oceanic and Atmospheric Administration (NOAA) | A CPC forecaster creates the 6-10 day temperature and precipitation outlooks. Shading starts at 33%, with contours at 33%, 40%, 50%, 60%, 70%, 80% and 90% |
| SRW National Parks | National Parks Service | National Parks wholly or partially within the Sacramento River Watershed |
| NWS Watches and Warnings Web Service | National Weather Service | National Weather Service Watches and Warnings web services |
| OEHHA Fish Advisories | Office of Environmental Health Hazard Assessment | Map of Fish Advisories as outlined by Office of Environmental Health Hazard Assessment (OEHHA) |
| CalFish Abundance Lines | Pacific States Marine Fisheries Commission | The CalFish Abundance Database contains a comprehensive collection of anadromou fisheries abundance information |
| CalFish Abundance Points | Pacific States Marine Fisheries Commission | The CalFish Abundance Database contains a comprehensive collection of anadromou fisheries abundance information |
| CalFish Chinook Abundance - Lines | Pacific States Marine Fisheries Commission | The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information, this layer is specific to Chinook salmon |



| Layer Name | Organization | Layer Description | | | |
|---|---|--|--|--|--|
| CalFish Chinook Abundance - Points | Pacific States Marine Fisheries Commission | The CalFish Abundance Database contains a comprehensive collection of anadromous | | | |
| CalFish Steelhead Abundance - Lines | Pacific States Marine Fisheries Commission | fisheries abundance information, this layer is specific to Chinook salmon The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information, this layer is specific to Steelhead | | | |
| CalFish Steelhead Abundance - Points | Pacific States Marine Fisheries Commission | The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information, this layer is specific to Steelhead | | | |
| Fish Passage Barriers Dataset | Pacific States Marine Fisheries Commission and California Department of Fish and Wildlife | The Passage Assessment Database (PAD) compiles currently available fish passage information from many different sources, and allows past and future barrier assessments to be standardized and stored in one place | | | |
| 1908 Sacramento River Channel Sacramento River Watershed Progra | | Sacramento River channel location for the year 1908 based on aerial photography | | | |
| 1923 Sacramento River Channel | Sacramento River Watershed Program* | Historic Sacramento River channel from the year 1923 | | | |
| 1935 Sacramento River Channel | Sacramento River Watershed Program* | Historic Sacramento River channel from the year 1935 | | | |
| 1937 Sacramento River Channel | Sacramento River Watershed Program* | Historic Sacramento River channel from the year 1937 | | | |
| 1946 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1946 Historic Sacramento River Channel | | | |
| 1955 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1955 Historic Sacramento River Channel | | | |
| 1956 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1956 Historic Sacramento River Channel | | | |
| 1960 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1960 Historic Sacramento River Channel | | | |
| 1964 Historic Sacramento River Channels | Sacramento River Watershed Program* | 1964 Historic Sacramento River Channel | | | |
| 1969 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1969 Historic Sacramento River Channel | | | |
| 1976 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1976 Historic Sacramento River Channel | | | |
| 1981 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1981 Historic Sacramento River Channel | | | |
| 1991 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1991 Historic Sacramento River Channel | | | |
| 1997 Historic Sacramento River Channel | Sacramento River Watershed Program* | 1997 Historic Sacramento River Channel | | | |
| 2007 Historic Sacramento River Channel | Sacramento River Watershed Program* | 2007 Historic Sacramento River Channel | | | |
| Partners Map | Sacramento River Watershed Program* | Sacramento River Watershed Partners Map | | | |
| Sacramento River Watershed Subregions (point) | Sacramento River Watershed Program* | Sacramento River Watershed Subregions (point) | | | |
| Sacramento River Watershed Boundary with 10 mi Buffer | Sacramento River Watershed Program* | Boundary of the Sacramento River Watershed with a 10 mi Buffer | | | |
| EcoAtlas | San Francisco Estuary Institute | California EcoAtlas provides access to information for effective wetland management | | | |
| San Francisco Estuary Institute WFS | San Francisco Estuary Institute | WFS Map Services Provided by San Francisco Estuary Institute | | | |
| Butte Forest Doe Mill Ridge Forks of Butte Units | Sierra Nevada Conservancy and Sacramento River Watershed Program* | The Butte Forest Thin Doe Mill Ridge Watershed Project will use forest thinning and follow-up low intensity prescribed fire to treat 200 acres on public land administered by the Bureau of Land Management (BLM) | | | |
| Butte Forest Doe Mill Ridge Roadside Thin Areas | Sierra Nevada Conservancy and Sacramento River Watershed Program* | The Butte Forest Thin Doe Mill Ridge Watershed Project will use forest thinning and follow-up low intensity prescribed fire to treat 200 acres on public land administered by the Bureau of Land Management (BLM) | | | |
| Prop 84 Grant Projects | Sierra Nevada Conservancy* | Mapping of Sierra Nevada Conservancy's Prop 84 Grant Projects | | | |
| Sierra Nevada Conservancy Prop 84 Grant Awards | Sierra Nevada Conservancy* | Map of Sierra Nevada Conservancy Prop 84 Grant Programs with circles sized by Award Amount | | | |
| Sierra Nevada Conservancy Propositions | | This map shows the location of Sierra Nevada Conservancy (SNC) grants awarded | | | |
| 84 and 1 Grants | Sierra Nevada Conservancy* | through June 2016 by the SNC Board, which represent the total \$4 million in grant awards by the SNC under Proposition 84, and the funding awarded through Proposition 1 through June 2016 | | | |
| | Sierra Nevada Conservancy* Sierra Nevada Conservancy* | through June 2016 by the SNC Board, which represent the total \$54 million in grant awards by the SNC under Proposition 84, and the funding awarded through | | | |
| 84 and 1 Grants | ************************************** | through June 2016 by the SNC Board, which represent the total \$54 million in grant awards by the SNC under Proposition 84, and the funding awarded through Proposition 1 through June 2016 | | | |
| 84 and 1 Grants Sierra Nevada Conservancy Boundary | Sierra Nevada Conservancy* | through June 2016 by the SNC Board, which represent the total \$54 million in grant awards by the SNC under Proposition 84, and the funding awarded through Proposition 1 through June 2016 Boundary of the Sierra Nevada Conservancy | | | |

