

## 'By The Numbers'

A snapshot of current monthly conditions in the CA Delta

**Purpose:** Aid council and public in understanding the status of Delta water management

**Focus:** Key metrics of precipitation, reservoir storage, surface water flows, and water quality (temp & salinity)

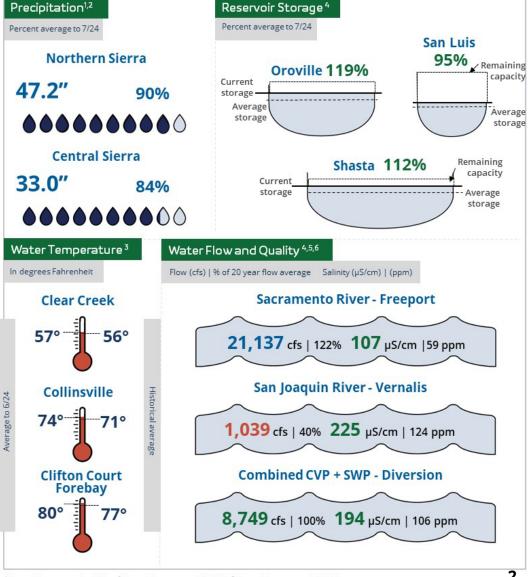
**Note:** BTN is not a substitute for the Delta Plan Performance Measures Dashboard

https://viewperformance.deltacouncil.ca.gov/



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https://go.usa.gov/xQsUa https://go.usa.gov/xQsUr https://go.usa.gov/xQsUT

## What is CDEC?

## California Data Exchange Center

- Database maintained by DWR
- Hydrologic and climate information
- Composed of sensors from many agencies
- Historical data



















#### WELCOME TO CALIFORNIA DATA EXCHANGE CENTER

#### **CURRENT CONDITIONS**

- > River Conditions
- River Guidance Plots
- Water Supply
- Statewide Water Conditions
- Daily Hydrologic and Climate Information Summary
- > Daily Statewide Hydrologic Update (Interactive)
- Daily Water Quality Data
- California Burn Areas
- > Current Reports

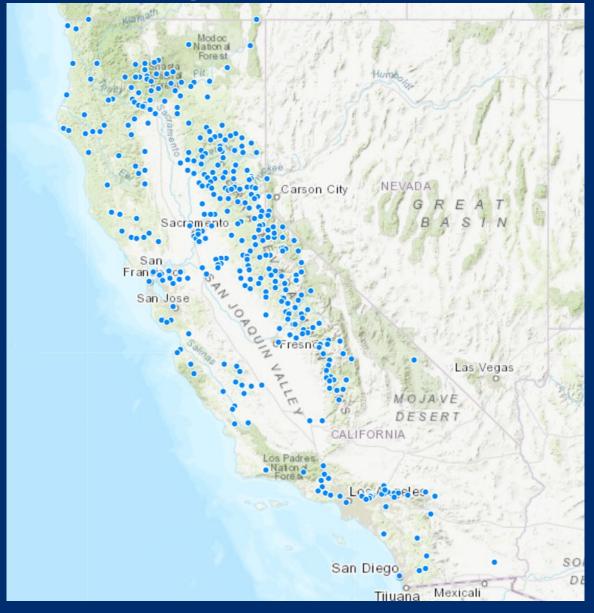
#### MORE INFORMATION

- > Web Apps API Docs: Real-Time | Web-Services | Daily-
- General Information About CDEC
- > Contact CDEC Staff
- > Flood System Inspection Reports
- > Local Maintaining Agency Annual Report
- California Cooperative Snow Surveys
- Historical data
- Other Related Data Sources
- CDEC Station Search
- > CDEC Historical Plotter App

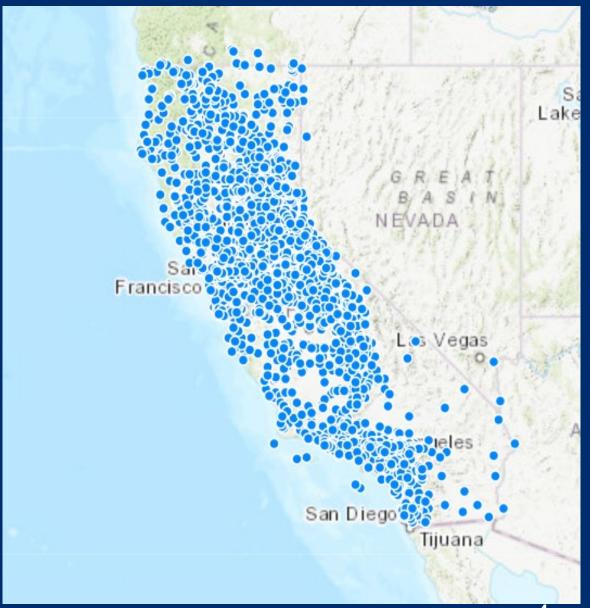
CDEC Sensor Group Plotter App

> CDEC Station Locater Map

## **Precipitation Stations**



# Water Flow and Quality Stations



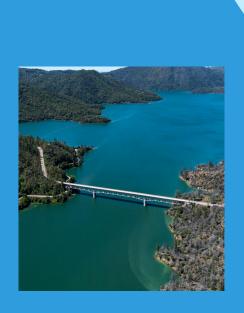
# **CA Reservoirs**

208 reservoirs in CA record data daily

• Shasta – Largest federal reservoir

Oroville – Largest state reservoir

 San Luis – Good indicator of S. Delta water supply



Shasta

Oroville

San Luis



#### **Snow Pack Stations**

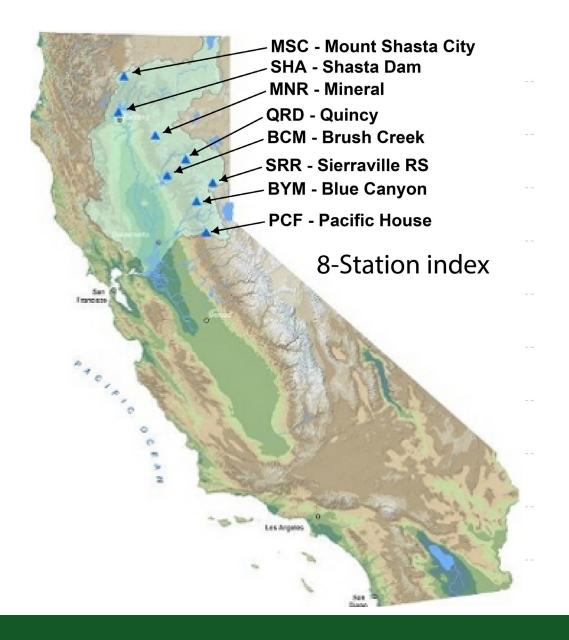
- Winter months we report snowpack
- Northern Sierra 22 stations
- Central Sierra 37 stations
- State Average 85 stations







### **Precipitation**

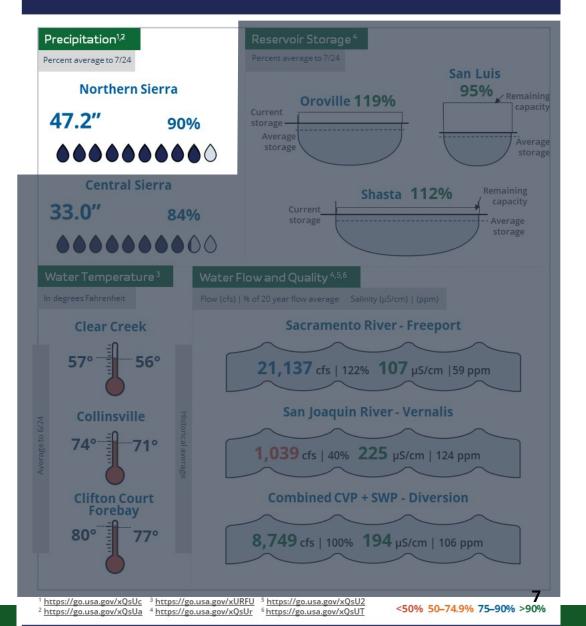




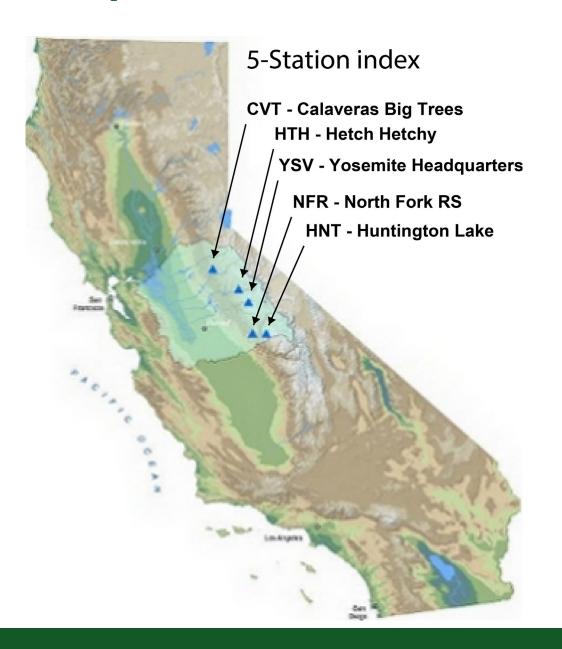
## By the Numbers

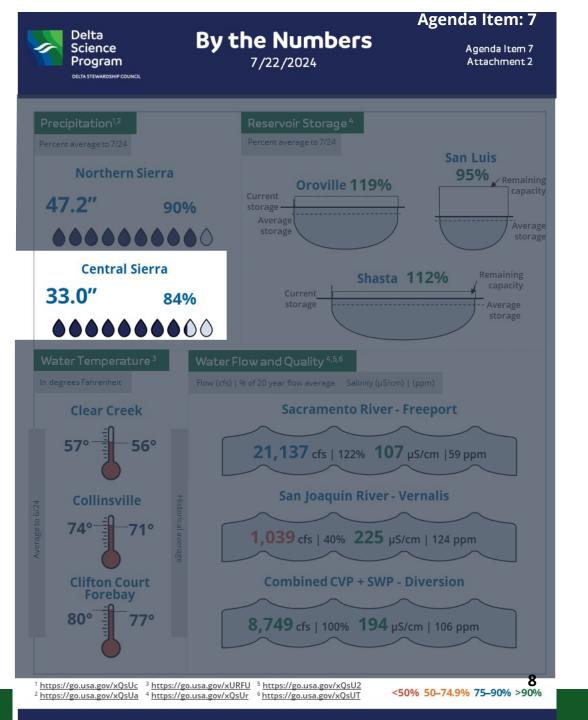
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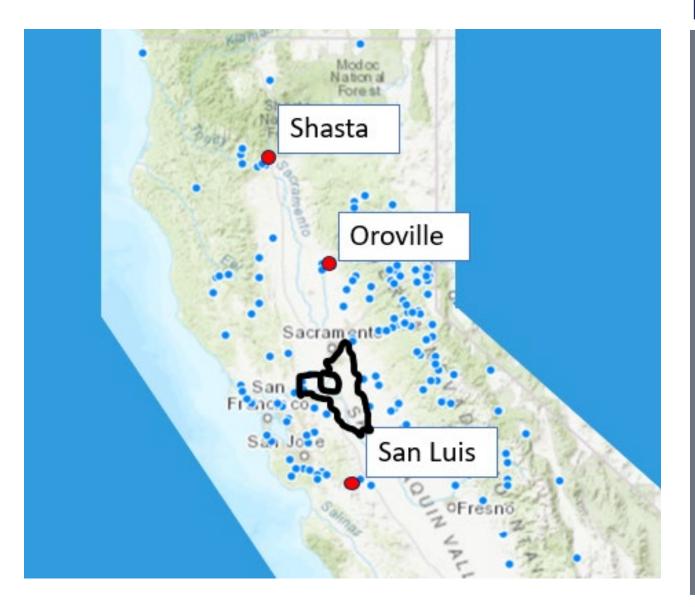


## **Precipitation**





#### Reservoir Storage

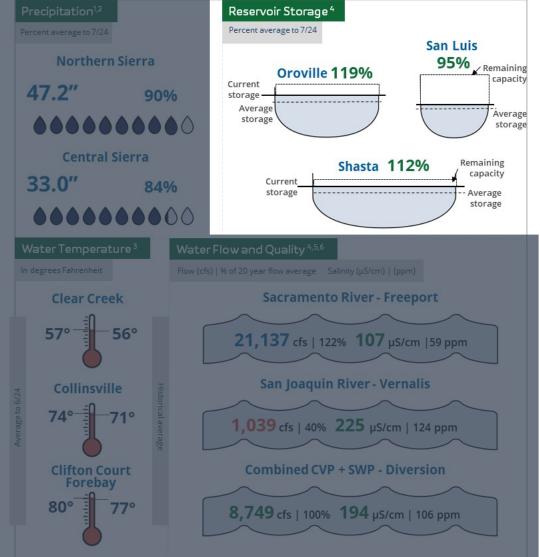




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https://go.usa.gov/xQsUc https://go.usa.gov/xURFU https://go.usa.gov/xQsU2 <sup>2</sup> https://go.usa.gov/xQsUa <sup>4</sup> https://go.usa.gov/xQsUr <sup>6</sup> https://go.usa.gov/xQsUT

#### Water Temperature

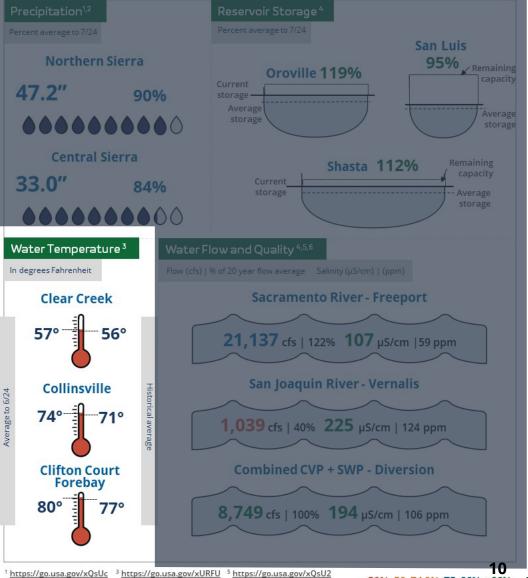






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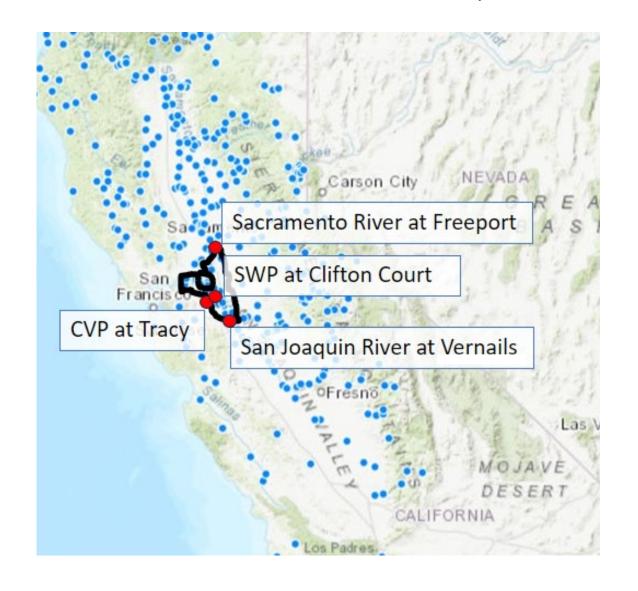
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<sup>2</sup> https://go.usa.gov/xQsUa <sup>4</sup> https://go.usa.gov/xQsUr <sup>6</sup> https://go.usa.gov/xQsUT

<50% 50-74.9% 75-90% >90%

### Water Flow and Quality

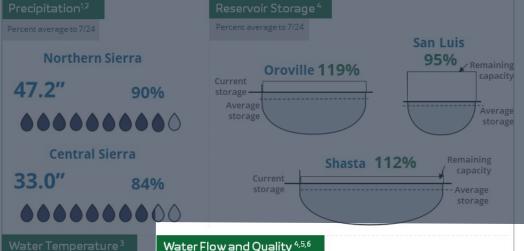




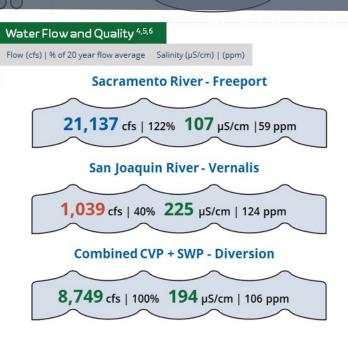
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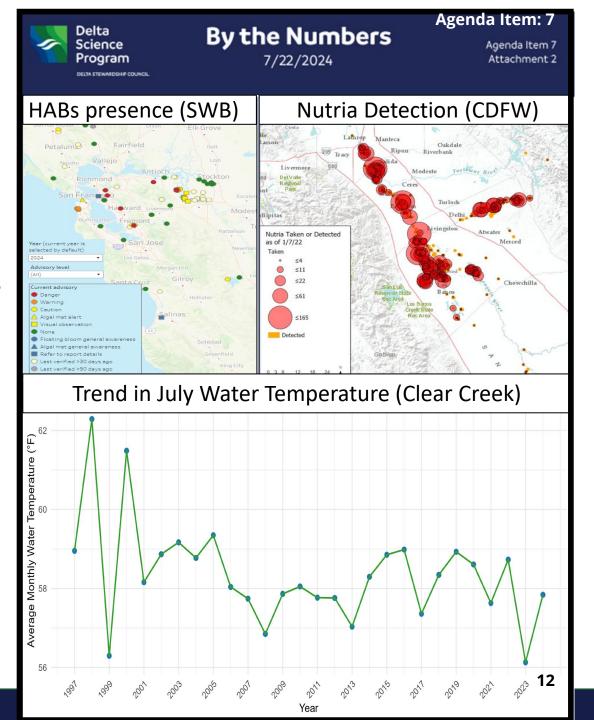


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https://go.usa.gov/xQsUc https://go.usa.gov/xURFU https://go.usa.gov/xQsU2

#### Possible changes/additions to BTN

- Trends in water metrics?
  - Year on year
- Alternate sites or spatial distribution?
- Additional environmental snapshots?
  - Salmon runs / migration
  - Nutria takes
  - Harmful Algal Blooms (HABs) occurrences
  - Invasive aquatic vegetation
  - Allocations



# WHAT WOULD YOU

# LIKE TO SEE REPORTED

IN 'BY THE NUMBERS?'

# Thank you

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Delta Stewardship Council



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