

2022 Water Update

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LAKE OROVILLE



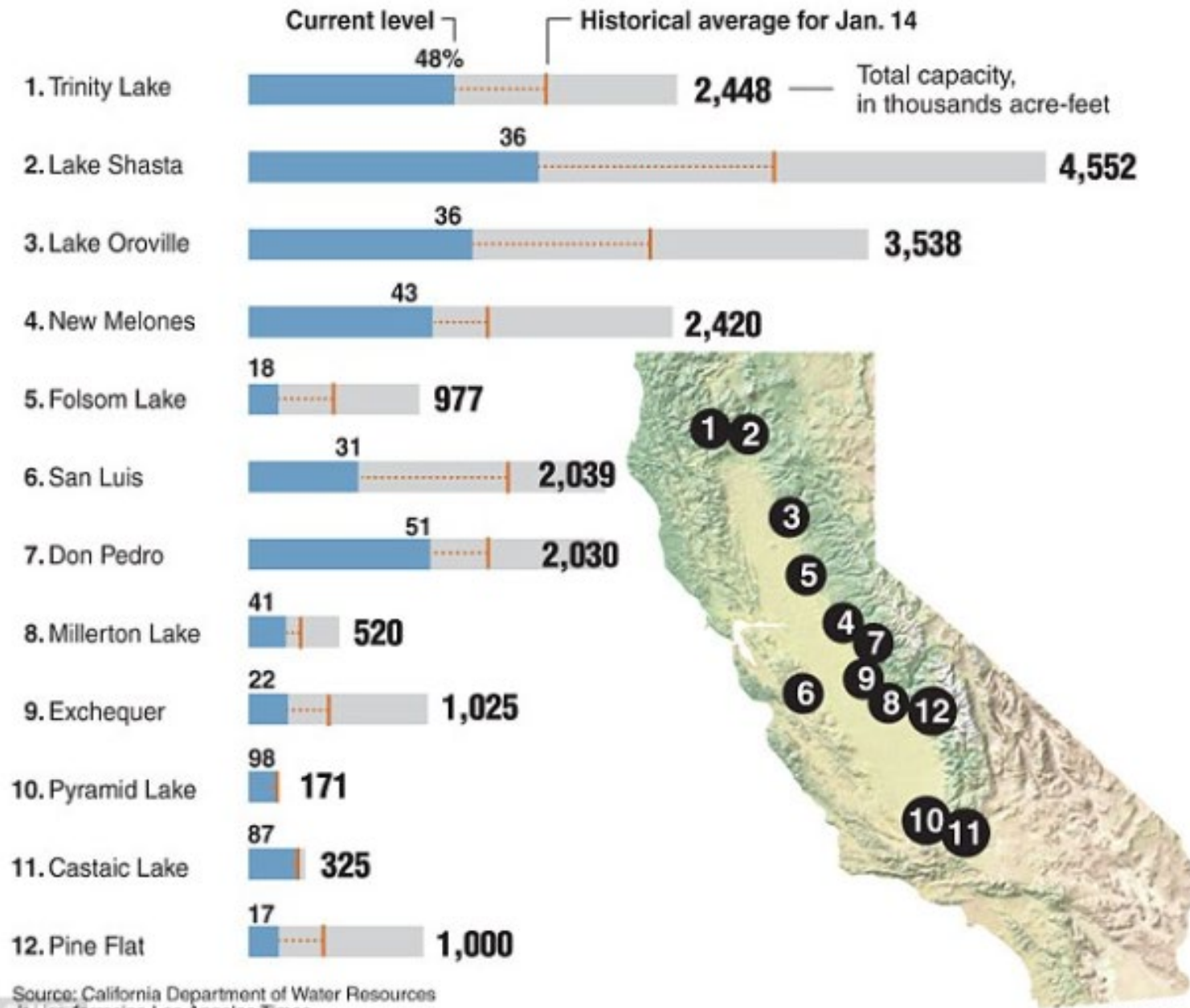
Summer water supply in 2019.



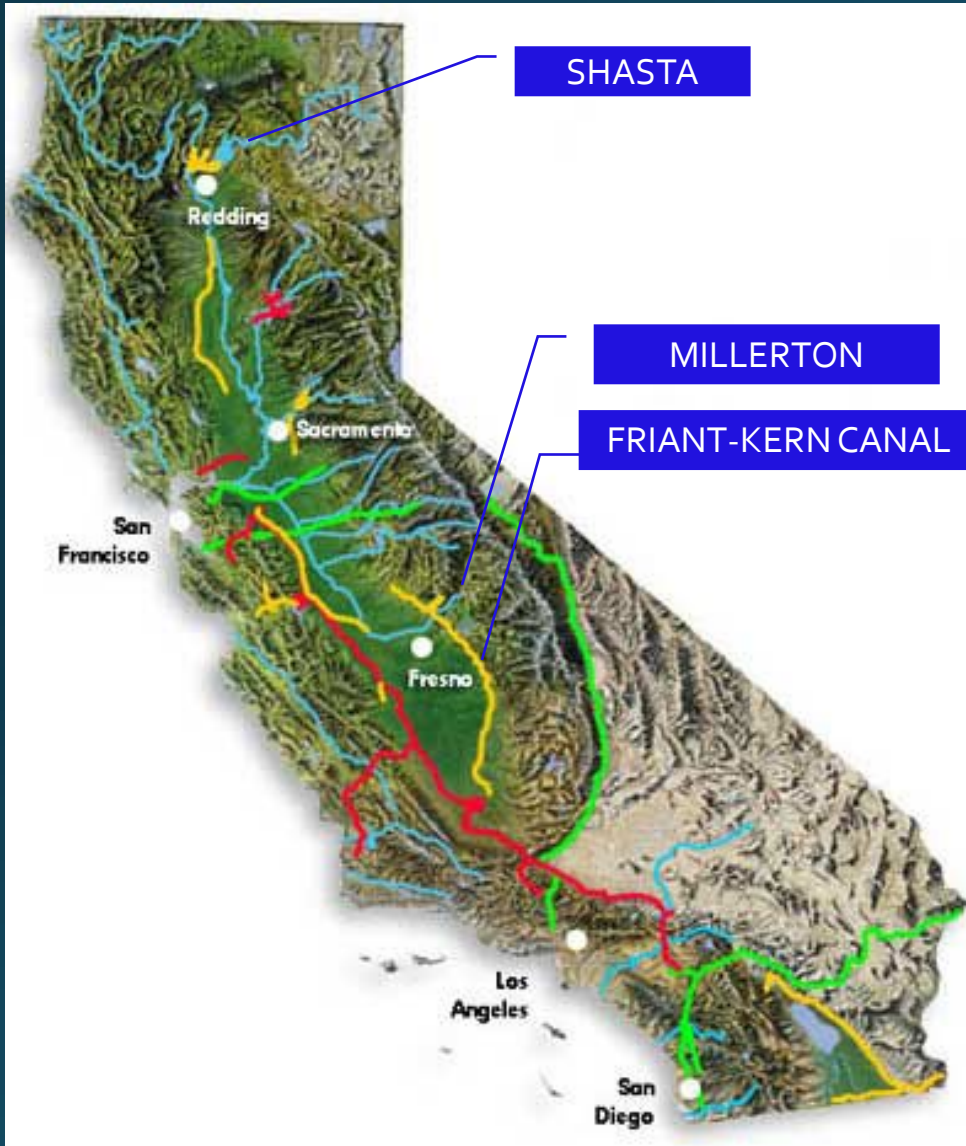
Summer water supply in severe drought (2021).

California reservoirs drying up

The levels of many of the state's major reservoirs are well below average and dropping.



SOURCES OF WATER



SHASTA

MILLERTON

FRIANT-KERN CANAL

SURFACE WATER SOURCE # 1



BUREAU OF
RECLAMATION



2,500 ACRE-FEET CONTRACT

45%

GROUND WATER SOURCE # 2

WELL 15

&

WELL 14



55%

SURFACE & GROUND WATER



HEALTH RISK



Perchlorate

Human exposure to high dosages of perchlorate can interfere with iodide uptake into the thyroid gland, disrupting the functions of the thyroid and potentially lead to a reduction in the production of thyroid hormones.

MCL = 6 micrograms per liter

Nitrate

Can cause health effects such as: Methemoglobinemia or "blue baby syndrome," which results from nitrate decreasing the blood's capacity to carry oxygen, especially in infants who receive baby formula mixed with water containing nitrate

MCL = 10 milligrams per liter

NEXT STEPS/PROPOSED RESPONSE PLAN

WELL 11 WATER SOURCE

- STATE WATER BOARD APPROVAL TO USE WELL 11
 - IDENTIFY MONITORING REQUIREMENTS & ADDITIONAL REQUESTS BY THE STATE
- TULARE COUNTY OFFICE OF EMERGENCY SERVICES
- CITY'S EMERGENCY RESPONSE PLAN
- UPDATE THE WATER CONSERVATION PLAN (COUNCIL ACTION ON APRIL 26)
 - STAGE IV FROM 2 TO 1 DAY
 - STAGE V FROM 1 TO 0 DAYS
 - INCREASE PENALTIES

CONSERVATION

- 2 MAJOR OUTDOOR WATERING USERS
 - CITY
 - ALL SYSTEMS ARE OFF SINCE APRIL 11
 - LUSD
 - REQUEST WAS MADE TO THE DISTRICT TO FOLLOW OUR LEAD
- CITY MANAGER/C.S. DIRECTOR TO MEET WITH THE TOP 10 WATER USERS IN THE NEXT COUPLE OF WEEKS.
- COMMUNITY AWARENESS CAMPAIGN
- ENFORCEMENT

WHAT IF?

- ❑ ALLOCATION DOES NOT CHANGE OR GETS REDUCED & NO HEALTH & SAFETY ALLOCATION IS GRANTED
 - COUNCIL TO DECLARED STATE OF EMERGENCY
 - ACTIVATE WATER CONSERVATION PLAN STAGE V
 - EMERGENCY RESPONSE PLAN WILL BE ACTIVATED
 - TURN WELL 11 ON

- ❑ ALLOCATION FOR HEALTH & SAFETY IS GRANTED
 - ENOUGH WATER SUPPLY
 - ACTIVATE NEW STAGE IV
 - CONTINUE CONSERVATION EFFORTS
 - UPDATE THE STUDY FOR WELL 11
 - WORK ON OPTIONS TO PLACE WELL 11 BACK ONLINE
 - CREATE IMPACT DEVELOPMENT FEE FOR WELL 11

