NWS FORM E-5 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE **SAN JOAQUIN VALLEY - HANFORD, CA**

REPORT FOR:
MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS MONTH: **April** YEAR: 2023

TO: Hydrometeorological Information Center, W/OH12x1
National Weather Service/Office of Hydrology
1325 East-West Highway #7116
Silver Spring, MD 20910

SIGNATURE: Andy Bollenbacher
(In Charge of Hydrologic Service Area)

DATE: May 9th, 2023

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).

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¦ ¦ An **X** inside this box indicates no flooding occurred for the month within this hydrologic service area.
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After a hyperactive month of March, the HNX HSA experienced relatively calm and quiet conditions. Overall, April ended up being much drier than normal for the month (Fig. 1), which was a welcome change of pace. Temperatures generally hovered around normal to slightly below normal. The only exception was a short-lived heat wave that occurred at the very end of the month. High flows did continue across major rivers due to releases from dams such as Pine Flat, Friant, and Lake Isabella. River/Hydrologic statements continued to be issue during the entire month of April for the San Joaquin River at Newman. High flows continued along the Merced River at Stevinson, which oscillated around flood stage for the first couple weeks of the month as releases from New Exchequer Dam fluctuated. This forecast pointed ended up remaining below flood stage for the 2nd two weeks of the month. Therefore, the on and off Flood Warning was converted to an RVS and remained as such for the rest of the month. There was a significant warming trend that occurred at the very end of the month that led to increased flows through the Merced River through Yosemite National Park, but both Happy Iles and Pohono Bridge fell just short of reaching flood stage. Drought monitor conditions remained unchanged at the end of the month compared to the start of the month (Fig. 2). Outside of a rogue shower or two in the Sierra Nevada, the snowpack didn't receive much snow either. However, due to the enormous snowfall that occurred in March, the snowpack ended the month in the Southern Sierra Nevada at 333% of normal (Fig. 3). Reservoir levels across the HSA decreased towards the end of the month as releases increased to make room for snowmelt and their inflows in May and June (Fig. 4).

Key Hydrologic/Flood Products Issued for April 2023

Flood Watches
100 PM PDT Mon Apr 24 2023

Flash Flood Warnings
None

Flash Flood Emergencies

None

Hydrologic Statements

Continuous RVS for the San Joaquin River at Newman
In effect when FLW not active for the Merced River at Stevinson

Flood Warnings

958 AM PDT Fri Apr 7 2023 (Merced River at Stevinson)
855 AM PDT Fri Apr 14 2023 (Merced River at Stevinson)
915 AM PDT Tue Apr 18 2023 (Merced River at Stevinson)
506 PM PDT Mon Apr 17 2023 (King's River)
906 AM PDT Fri Apr 28 2023 (Pohono Bridge)

Flood Advisories (Rivers & Creeks)

Continuous Flood Advisory along San Joaquin River
Continuous King's River Flood Advisory (upgraded to warning 4/17)

Rain totals at our 5 ASOS Stations for April:

Bakersfield – T
Fresno – 0.00
Hanford – T
Madera – T
Merced – 0.03

Fig 1 – Percent of Average Precipitation for April 2023

Fig 2 – Drought Status for the state of California

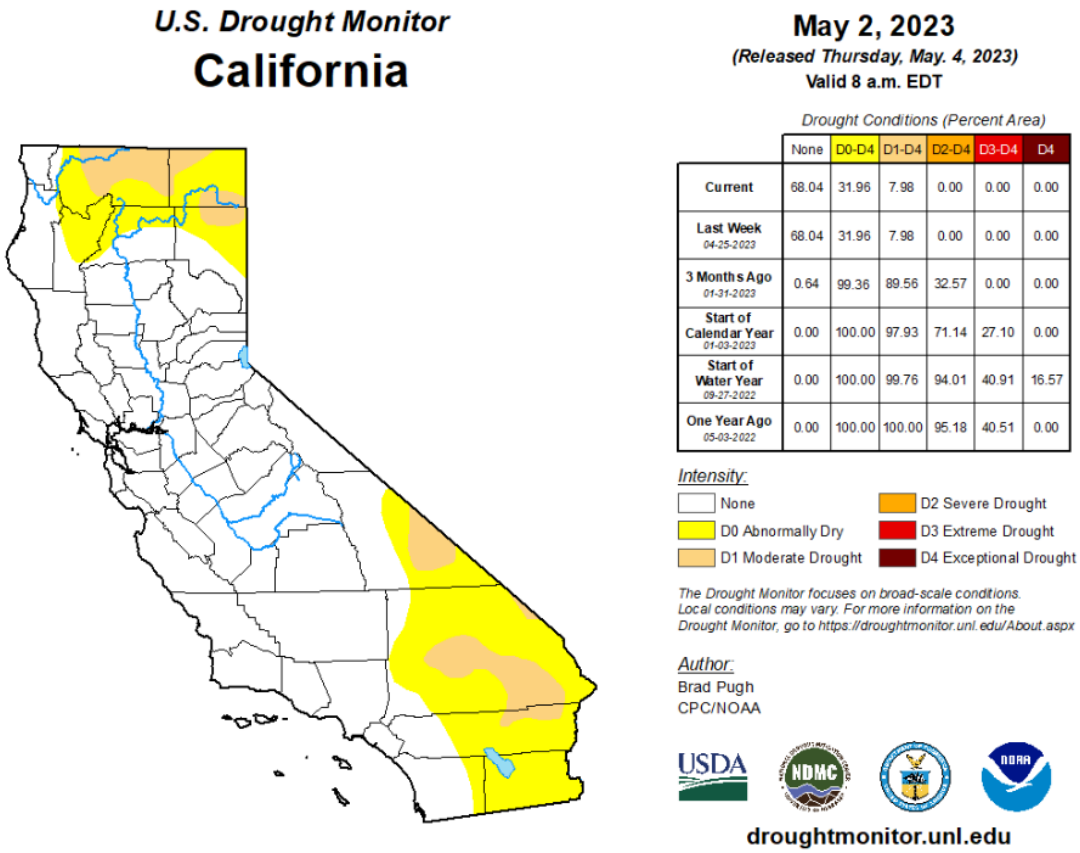


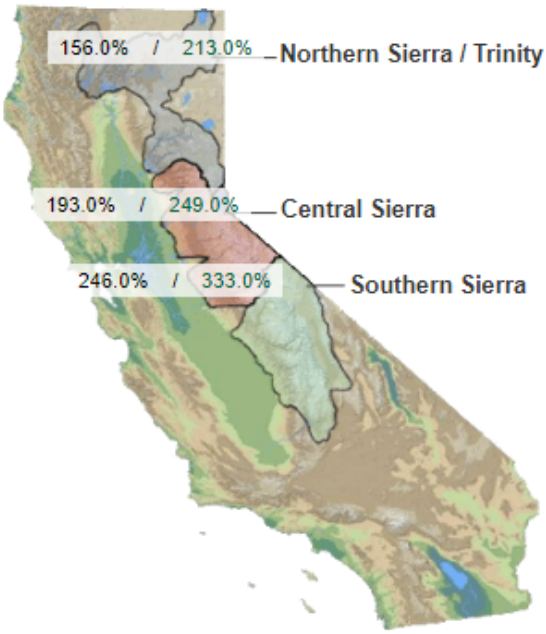
Fig 3 - Snowpack as of May 1st 2023

Snow Water Equivalents (inches)

Provided by the California Cooperative Snow Surveys

Data For: **01-May-2023**

% Apr 1 Avg. / % Normal for this Date



Change Date : 01-May-2023

NORTH	
Data For: 01-May-2023	
Number of Stations Reporting	24
Average snow water equivalent	46.4"
Percent of April 1 Average	156%
Percent of normal for this date	213%

CENTRAL	
Data For: 01-May-2023	
Number of Stations Reporting	41
Average snow water equivalent	49.2"
Percent of April 1 Average	193%
Percent of normal for this date	249%

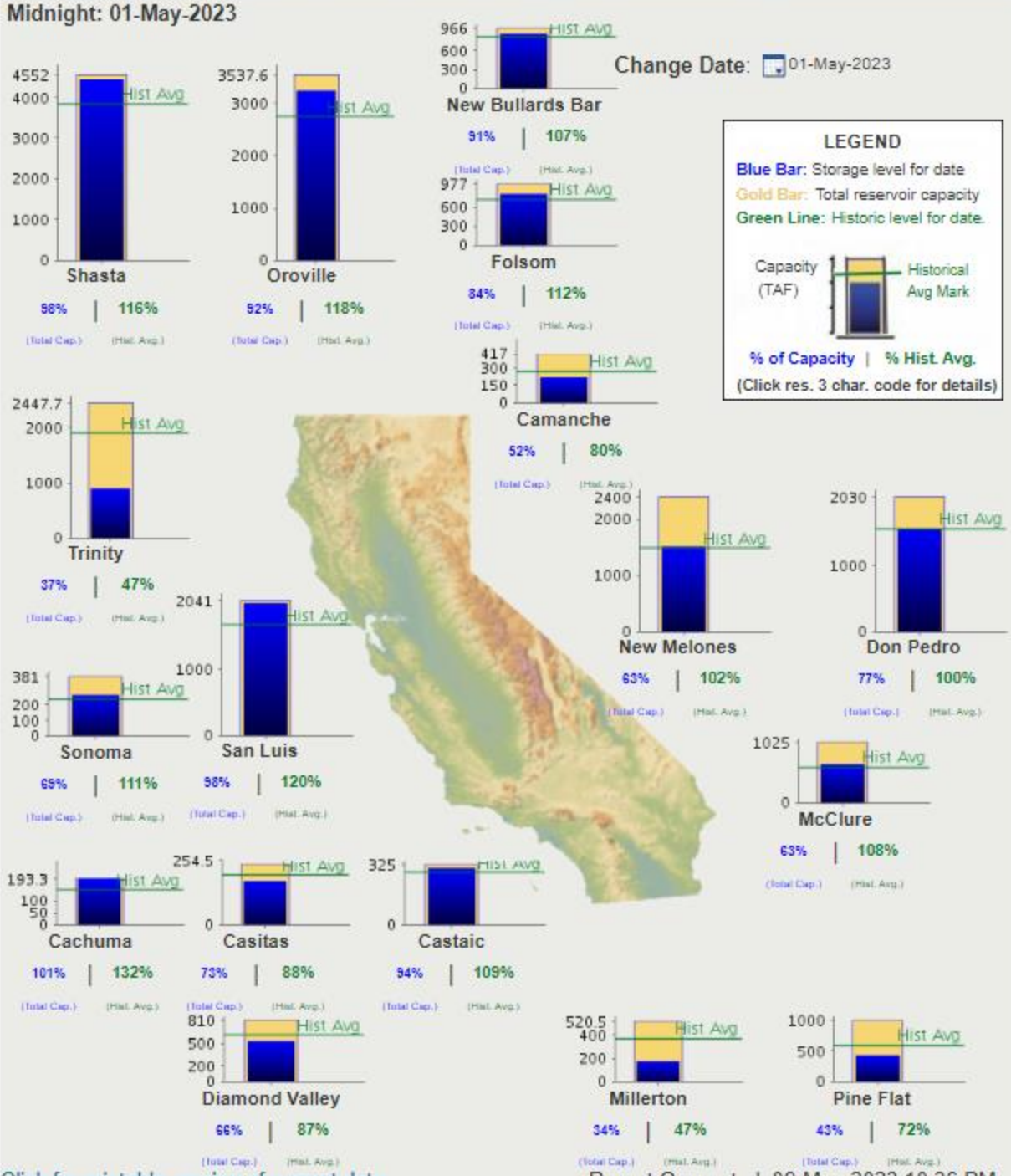
SOUTH	
Data For: 01-May-2023	
Number of Stations Reporting	23
Average snow water equivalent	52.2"
Percent of April 1 Average	246%
Percent of normal for this date	333%

STATEWIDE SUMMARY	
Data For: 01-May-2023	
Number of Stations Reporting	88
Average snow water equivalent	49.2"
Percent of April 1 Average	193%
Percent of normal for this date	255%

Figure 4 – Major Reservoir Levels on May 1st 2023

CURRENT CONDITIONS: MAJOR WATER SUPPLY RESERVOIRS:01-MAY-2023

Midnight: 01-May-2023



Click for printable version of current data.

Report Generated: 09-May-2023 10:36 PM

The CSI link has been disabled to zoom in, for the lack of historical data.