

# Storm Report

## Jan. 10 – Jan. 23 2023



### Rainfall

#### RAINFALL IN INCHES AS OF JANUARY 10, 2023

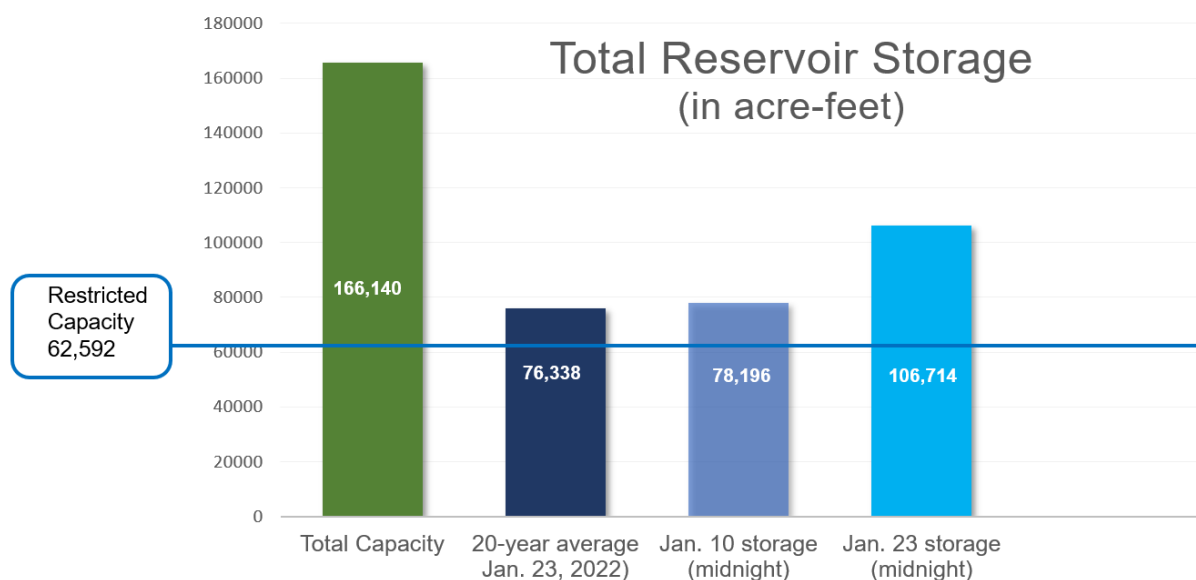
COUNTY RAIN GAUGE LOCATIONS	CURRENT PERIOD 01/10/23-01/23/23 (inches)	SEASON <sup>1</sup> TO DATE 01/23/23 (inches)	SEASONAL AVG TO DATE (inches)	% SEASONAL AVG TO DATE	HISTORICAL SEASON AVERAGE (inches)
<b>WEST<sup>2</sup></b> (Valley Christian)	10.98	47.40	21.85	217%	43.76
<b>CENTRAL</b> (San José)	3.03	14.49	7.05	206%	14.35
<b>NORTH EAST</b> (Penitencia)	3.35	17.13	7.43	231%	15.29
<b>SOUTH</b> (Coyote Reservoir)	3.74	21.30	10.06	212%	20.56

### Reservoir Levels

- Recent storms generated runoff into the major federal and state reservoirs. Shasta Reservoir storage was at 86% of historical average and Lake Oroville was at 109% for Jan. 23, 2023.
- Estimated inflow into local reservoirs<sup>3</sup> was approximately 115,000 acre-feet between Jan. 10 and Jan. 23, 2023.
- Total local reservoir storage on Jan. 23 was about 64% of total unrestricted capacity and 140% of normal when compared to the 20-year average for this date.

### Raw Water Operations

- Releases from Anderson Reservoir strive to bring storage toward deadpool, per the Federal Energy Regulatory Commission (FERC) Order. The reservoir outlet remains fully open.
- Coyote Reservoir continues to exceed the permanent Division of Safety of Dams (DSOD) restricted level and spilled from Jan. 10 – 20. Calero Reservoir continues to exceed the Interim DSOD level. The Coyote reservoir outlet remains fully open. Calero Reservoir is supplying water to Santa Teresa WTP.



<sup>1</sup> Rainfall season extends from July 1 to June 30 of the following year.

<sup>2</sup> Rainfall Data stations: **West** – Santa Cruz Mountains; **Central** – near downtown San Jose; **Northeast** – near Milpitas; **South** – near Coyote Reservoir.

<sup>3</sup> Excludes inflow into Vasona Reservoir.

## Raw Water Operations (cont.)

- Almaden Reservoir exceeded the DSOD interim restricted level and spilled from Jan. 9 to 12 and Jan 16 to 18.
- Uvas Reservoir began spilling on Dec. 31 and continued to spill through the reporting period.
- Guadalupe reservoir remains below interim DSOD restricted level.
- Santa Clara Conduit was taken out of service on Nov. 1 for maintenance activities and will be unavailable through mid-February 2023.

## Pre-storm Preparations

Field crews inspected trouble spots where trash and debris are known to accumulate and cleared trash and debris as necessary.

## Communications

Staff shared social media posts on flood safety prior and during storms, including flood advisory and alerts issued by the National Weather Service. Nextdoor posts with similar content were distributed on behalf of all directors and an email blast was sent to the newsletter subscribers list. The red alert banner on valleywater.org remained activated to indicate EOC status and share flood safety information. Staff handled numerous media calls.

## Flood Management Operations

Valley Water's Emergency Operations Center (EOC) concluded its activation for storm response on Jan. 17, 2023 and transitioned to the recovery phase. During the EOC activation, Valley Water provided intelligence to the Santa Clara County Operational Area (county and cities) regarding projected impacts based on weather forecasts. Valley Water provided ongoing updates on district waterways and reservoirs in support of the cities and county jurisdictional response.

## Flooding

Multiple reports of flooding occurred during this period, including:

- West Little Llagas Creek at Watsonville Rd. and Llagas Creek Dr. (Morgan Hill)
- Uvas Creek at Miller Ave. and upstream of Hwy 101 (Gilroy)
- Upper Penitencia Creek at Maybury Rd. (San José)

## Emergency Work

Emergency sediment removal continued on Berryessa Creek downstream of Piedmont Rd (San José) through Jan. 18 to reduce flooding potential. Sediment was also removed through the box culvert on Ross Creek under Cherry Ave (San José) to prepare for future high flows this rain season.

## Fallen Trees and Debris Removal

Prior to and during storms, crews worked to clear debris found on creek pier noses and trash racks throughout the county. Fallen Trees were removed at several locations in San José including Ross Creek at Escobar Dr., Thompson Creek at Yerba Buena Rd., Guadalupe Creek downstream of Branham Ln, and Saratoga Creek downstream of English Dr.

## Field Information Teams (FITs)

Field Information Teams were deployed on multiple occasions during this period. Three FITs were deployed on Jan. 10, 14 and 16 to monitor water levels in creeks in north, south and eastern parts of the county.

## Sandbags

Sandbag sites were inspected and fully stocked prior to each storm with both sandbags and loose materials to prepare additional ones. At least 1 contract crew continued filling bags during the second week of January. Filled bag deliveries were made on Jan. 12, 16 and 19 to various sites along with sand, empty bags and shovels.

This information is based on first-hand accounts from Santa Clara Valley Water District (Valley Water) staff and other monitoring sources between Jan. 10, 2023 and Jan.23, 2023. As more information is gathered, some of the information reported here may change.

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