

# Storm Report

Dec. 14, 2021 – Jan. 10, 2022



## Rainfall

**RAINFALL IN INCHES AS OF JANUARY 10, 2022**

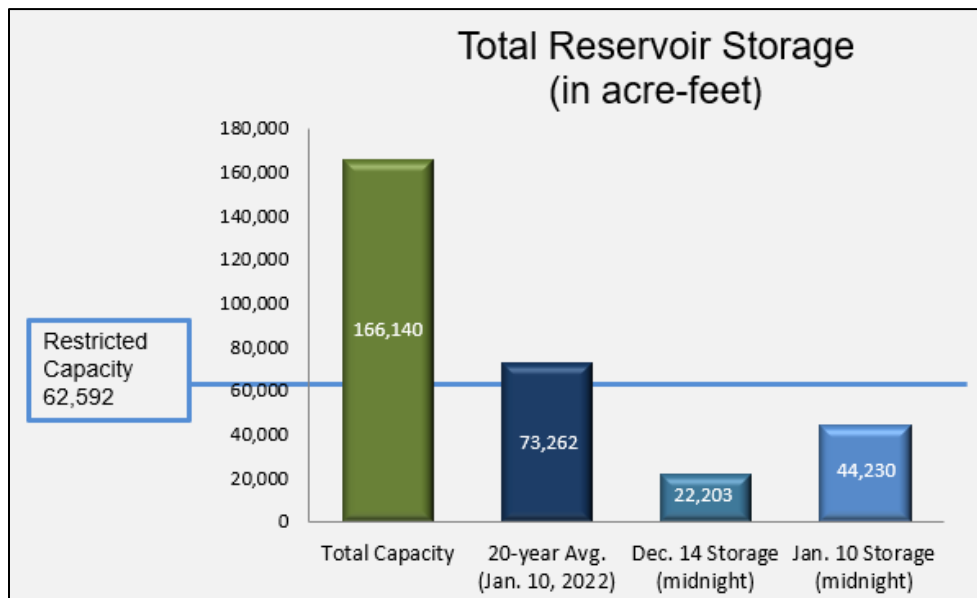
COUNTY RAIN GAUGE LOCATIONS	CURRENT PERIOD 12/14/21–1/10/22 (inches)	SEASON <sup>1</sup> TO DATE 1/10/22 (inches)	SEASONAL AVG TO DATE (inches)	% SEASONAL AVG TO DATE	HISTORICAL SEASON AVERAGE (inches)
<b>WEST<sup>2</sup></b> (Valley Christian)	10.83	28.90	18.16	159%	43.76
<b>CENTRAL</b> (San Jose)	3.31	7.64	5.86	130%	14.35
<b>NORTH EAST</b> (Penitencia)	3.50	8.58	6.13	140%	15.29
<b>SOUTH</b> (Coyote Reservoir)	4.73	12.17	8.30	147%	20.56

## Reservoir Levels

- Recent storms generated runoff into the major federal and state reservoirs. Shasta Reservoir storage was at 54% of historical average for Jan. 10, 2022, and Lake Oroville was at 78%.
- Estimated inflow into local reservoirs<sup>3</sup> was approximately 40,300 acre-feet between Dec. 14, 2021 and Jan. 10, 2022.
- Total local reservoir storage on Jan. 10 was about 27% of total unrestricted capacity and 60% of normal when compared to the 20-year average for this date.

## Raw Water Operations

- Releases from Anderson Reservoir were made to maintain storage at deadpool, per the Federal Energy Regulatory Commission (FERC) Order.
- Coyote Reservoir was below the permanent Division of Safety of Dams DSOD restricted level. Elevated releases were performed.
- Almaden, Calero, and Guadalupe Reservoirs were below interim DSOD restricted levels.



<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.)

- No transfers were made from Almaden Reservoir to Calero Reservoir through the Almaden-Calero Canal during this period. Canal diversion period began on Dec. 1.
- Some percolation ponds were offline due to a below normal recharge program.

## 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 prepared multilingual social media posts as well as Nextdoor posts for the board of directors leading up to and during the recent rains. The posts focused on flood preparedness during a drought and the need to continue to conserve water. Staff has also sent out the [2021 multilingual Flood Mailer](#) to all addresses in the flood zone in Santa Clara County. The resource guide for the 2021 Flood Awareness Campaign has also been created and is available for our partners.

## Flood Management Operations

The Office of Emergency Services (OES) communicates with the Santa Clara County Operational Area as appropriate during inclement weather time periods.

This information is based on first-hand accounts from Santa Clara Valley Water District (Valley Water) staff and other monitoring sources between Dec. 14, 2021 and Jan. 10, 2022. As more information is gathered, some of the information reported here may change.

## Flooding

There was no identified flooding from Valley Water streams.

## Fallen Trees and Debris Removal

Crews have checked all trash racks and pier noses and removed any accumulated debris.

## Field Information Team (FIT)

No FIT teams were deployed during this period.

## Sandbags

Sandbag sites were inspected throughout the week. Deliveries were scheduled for various sites on Tuesday, Dec. 28, 2021 in preparation for forecasted rain. Three deliveries were made to Morgan Hill sandbag site and one delivery made to Phelan Sandbag site. Sandbag site totals were 3,500 filled bags in Palo Alto site, 2,000 filled bags in Alviso site, 5,600 in Morgan Hill site, and 3,300 filled bags in Phelan site. The Winfield site was inspected and restocked daily keeping an average of 1,600 filled bags available to the public. Staff continue to check sites daily when raining or weekly when no rain is expected.

For questions, contact Sue Tippetts, Interim Chief Operating Officer, Watersheds at (408) 630-2253 or Aaron Baker, Chief Operating Officer, Water Utility at (408) 630-2135.