

# Storm Report

Mar. 12, 2024 – Apr. 8, 2024



## Rainfall

### RAINFALL IN INCHES AS OF April 8, 2024

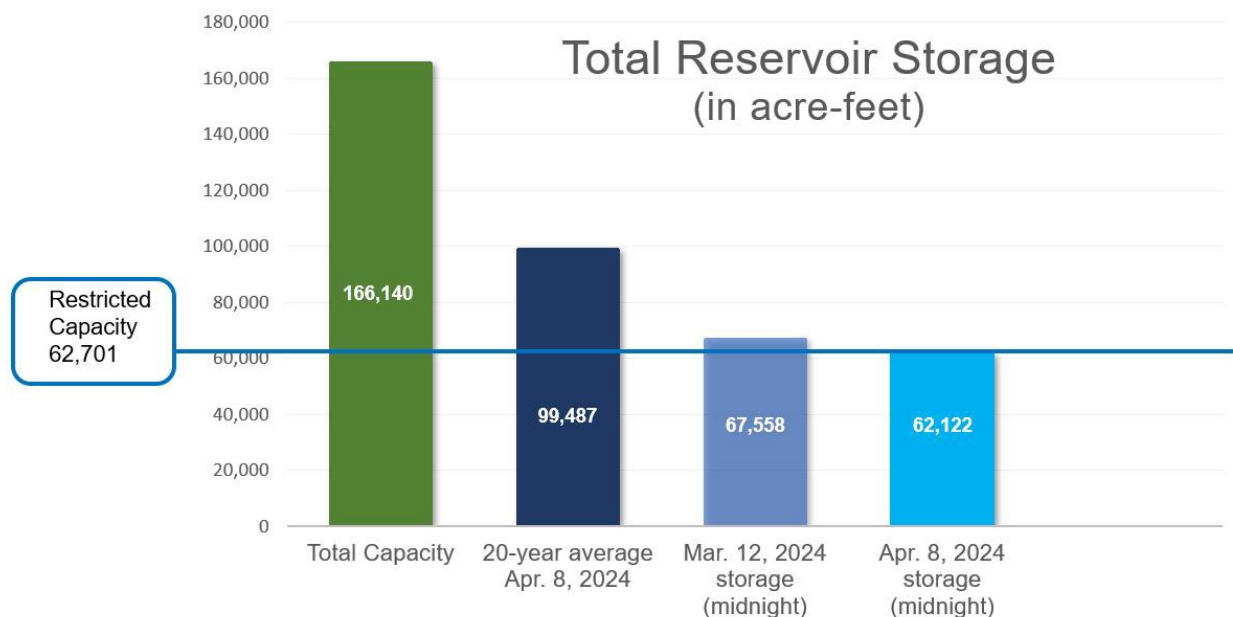
COUNTY RAIN GAUGE LOCATIONS	CURRENT PERIOD 3/12/24 – 4/8/24 (inches)	SEASON <sup>1</sup> TO DATE 4/8/24 (inches)	SEASONAL AVG TO DATE (inches)	% SEASONAL AVG TO DATE	HISTORICAL SEASON AVERAGE (inches)
<b>WEST<sup>2</sup></b> (Valley Christian)	5.60	46.54	40.54	115%	43.43
<b>CENTRAL</b> (San José)	2.20	14.25	12.87	111%	14.23
<b>NORTH EAST</b> (Penitencia)	2.91	17.91	9.03	198%	10.04
<b>SOUTH</b> (Coyote Reservoir)	3.42	22.87	18.77	122%	20.51

## Reservoir Levels

- Shasta Reservoir storage was at 118% of historical average and Lake Oroville was at 123% for April 7, 2024.
- Estimated inflow into local reservoirs was approximately 28, 100 acre-feet between March 12, 2024 and April 7, 2024.
- Total local reservoir storage on April 8 was about 37% of total unrestricted capacity and 62% of normal when compared to the 20-year average for this date.

## Raw Water Operations

- Releases from Anderson Reservoir strive to maintain deadpool, per the Federal Energy Regulatory Commission (FERC) Order. A ramp-down plan is in effect to maintain Anderson Reservoir elevations near deadpool.
- Coyote Reservoir was temporarily above the permanent Division of Safety of Dams (DSOD) restricted level on the morning of April 5, 2024, which prompted increased releases from Coyote Reservoir. Coyote Reservoir is now currently below DSOD and the 80%



<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.

## Raw Water Operations (cont.)

exceedance probability rule curve.

- Almaden, Calero, and Guadalupe reservoirs were below interim DSOD restricted levels during this period.
- Santa Clara Conduit was taken out of service on November 8, 2023, for maintenance activities and will be unavailable through middle of April 2024.

## Pre-storm Preparations

Crews completed stream maintenance program work from June to October, removing over 45,000 cubic yards (CY) of sediment for capacity and repairing over 1,200 linear feet (LF) of creek bank. Field crews continue monitoring over 275 locations countywide before, during, and after storm events to eliminate flow restrictions.

## Communications

Communications staff shared social media posts from the National Weather Service to alert residents of forecasted rain and cool temperatures. The annual flood awareness multilingual campaign concluded with calls to action for residents in the Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (SFHA) to sign up for emergency alerts, know their risk, and get sandbags.

A multilingual poll of 400 residents in the FEMA SFHA was conducted by Probolsky Research between March 7 and 14. Results from that effort compared to those from 2023 indicated a 15.3% increase in outreach mailing recollection and a 21% increase in flood preparation.

## Flood Management Operations

Valley Water Office of Emergency Services (OES) On Call team continues to monitor potential inclement weather and coordinate information and intelligence sharing with the Santa Clara County Operational Area (Cities and County).

### Flooding

No observations of creek flooding were reported by Valley Water staff.

### Field Information Teams (FITs)

No FIT Teams were deployed during this time period.

### Fallen Trees and Debris Removal

Flow restrictions, including downed trees and debris on bridge piers, continue to be removed as needed before, during, and after the storm events. Staff continue to inspect and assess the waterways throughout the storms.

### Sandbags

Sandbag sites were inspected and fully stocked prior to each storm. Some sites had additional burlap bags and loose sand available to fill additional sandbags if needed.

This information is based on first-hand accounts from Santa Clara Valley Water District (Valley Water) staff and other monitoring sources between March 11, 2024, and April 08, 2024. As more information is gathered, some of the information reported here may change.

For questions, contact Chris Hakes, Chief Operating Officer, Watersheds at (408) 630-3796 or Aaron Baker, Chief Operating Officer, Water Utility at (408) 630-2135.