

# Storm Report

Feb. 14 – Feb. 28, 2017



## Rainfall and Reservoir Levels

### RAINFALL IN INCHES AS OF FEBRUARY 28, 2017

COUNTY RAIN GAUGE LOCATIONS	CURRENT PERIOD 2/15/16–2/28/17 (inches)	SEASON TO DATE 2/28/17 (inches)	SEASONAL AVG TO DATE (inches)	% SEASONAL AVG TO DATE	HISTORICAL SEASONAL AVERAGE (inches)
<b>WEST</b> <b>(Valley Christian)</b>	9.49	70.08	32.57	215%	43.18
<b>CENTRAL</b> <b>(San Jose)</b>	3.03	14.17	10.29	138%	14.40
<b>NORTH EAST</b> <b>(Penitencia)</b>	3.47	18.78	10.91	172%	15.13
<b>SOUTH</b> <b>(Coyote Reservoir)</b>	4.68	33.07	14.94	221%	20.33

Rainfall Data stations: West-Santa Cruz Mountain near Saratoga; Central-near downtown San Jose; Northeast-near Milpitas; and South-near Coyote Reservoir

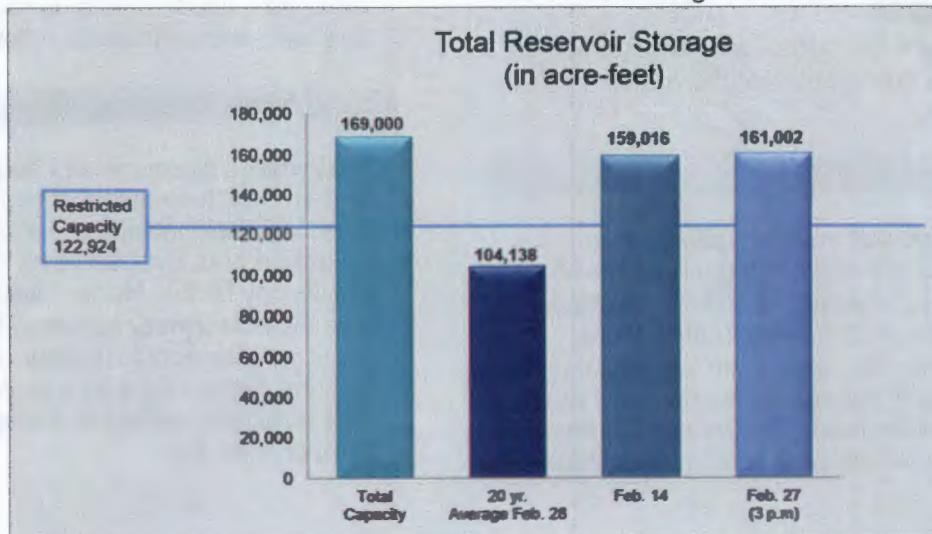
## More About Reservoir Levels

- Recent storms generated runoff into the major federal and state reservoirs. Shasta Reservoir is at 120% and Lake Oroville is at 109% of historical average for this date.
- Estimated inflow into local reservoirs was over 100,000 acre feet between Feb. 14 and Feb. 28.

Total reservoir storage increased to about 95% of total capacity, and about 155% of normal when compared to the 20-year average for this date.

## Raw and Treated Water Operations

- Almaden, Uvas, Lexington, Vasona, Stevens Creek, Anderson and Coyote reservoirs spilled following last week's storms.
- Anderson Reservoir began to spill on Feb. 18 and continues to spill. The outlet was temporarily closed on Feb. 20 due to high spillway flows and to reduce the impact of flooding downstream on Coyote Creek. The outlet is now fully open to return storage to a safe operating level as flood waters recede. Staff is monitoring downstream conditions.



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## Raw & Treated Water Operations

- A failure of the Coyote Canal caused flooding and road closures on Hwy 101 on Feb. 21. The district responded with a constructed solution to alleviate the flooding of Hwy 101.
- Almaden, Calero, Anderson and Coyote reservoirs exceeded their DSOD restrictions during this period. Anderson and Coyote reservoirs remain above their DSOD restricted levels. Flood releases are being performed at all reservoirs.
- Uvas Reservoir began spilling on Jan. 5 and continues to spill.
- Local and imported water supply to treatment plants continued. Penitencia Water Treatment Plant remains offline.
- Percolation ponds were mostly offline due to removal of instream diversions and poor water quality in the creeks.

## Pre-storm Preparations

- Crews cleared trash racks, pier noses and hot spots before, during and after the storm.
- On Feb. 17, district crew was placed on-call in preparation for the Anderson Dam spilling.

## Communications

- Staff posted several updates to social media, the district blog, Nextdoor and provided updates to Public Information colleagues from other jurisdictions.
- On Feb. 19, Chair John Varela's countywide message regarding flood safety measures and storm resources was distributed through Nextdoor. An additional message from the

Chair was distributed on Feb. 23 regarding storm communications and assistance for flood victims through the Mayor's website.

- Targeted Nextdoor messages on behalf of Directors Richard Santos, Linda LeZotte and Tony Estremera were sent to residents in the Bevin Brook, Valley View/Reed, Branham Jarvis and Rock Springs vicinities regarding the monitoring of Coyote and Ross Creek, storm preparations and flood safety messages.
- Upon activation of the EOC, PIO staff was in close coordination with colleagues from countywide public safety agencies including Santa Clara County, City of San José (CSJ), VTA, PGE and other agencies, for coordination of emergency response messages. District staff consistently shared public information from CSJ on district social media channels and links on district website. Staff fielded media calls from KTVU, KRON, KPIX, KCBS, KGO, KSBW, KSTS – Telemundo, Univision, KQED, Morgan Hill Times, SF Chronicle, Associated Press, Los Angeles Times and Mercury News.
- The district's paid flood awareness campaign is in full swing with digital and radio ads, billboards, transit shelter posters and mall displays, and print ads to follow.

## Flood Management Operations

- Last week's storm caused flooding in certain San Jose neighborhoods along Coyote Creek, including Rocksprings neighborhood, East Williams Street and South Bay Mobile Home Park.
- The district formally activated its EOC for five consecutive, 12-hour operational periods, beginning 8:00 a.m. on Feb. 20. The activation extended through to 7:00 p.m. on Feb. 22.

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## Flood Management Operations

- A district liaison staff was sent to the Santa Clara County EOC on Feb. 21, and the district EOC hosted multiple CSJ EOC liaison staff during the Feb. 20-22 period.
- From Feb. 13 to Feb. 23, the district Office of Emergency Services (OES), field operations, hydraulics and hydrology, raw water operations, dam safety and communications staff participated in over 20 multi-agency conference calls with CSJ and other local governments, and state and federal response partners.
- The coordination conference calls were hosted by SCC OES in accordance with the Santa Clara County's Flood Plan
- The district utilized a formal resource request process to remove a blockage from Metcalf Bridge owned by CSJ.
- District EOC managed jurisdictional issues related to infrastructure stabilization, public information, situational awareness and flow notifications.

### Fallen Trees and Debris Removal

- Crews removed downed trees and debris along creeks and storm drains, including the West Little Llagas Creek at Edes Street in Morgan Hill, Stanford Channel, downstream of California Ave. in Palo Alto, and the El Camino Storm Drain (trash rack) in Sunnyvale.

This information is based on first-hand accounts from District staff and other monitoring sources between Feb. 14 and Feb. 28, 2017. As more information is gathered, some of the information reported here may change.

- District crew alleviated flooding through property at 726 Colleen Dr. in San Jose, caused by corroded drain pipe crossing the Coyote-Alamitos canal.
- On Feb. 20, staff ran patrol through Coyote Creek system, and on Feb. 21 dispatched inspection parties to monitor Coyote Levees behind mobile home parks (Oakland Rd.). Crews placed sandbags and sheeting on a levee along the southern end of the South Bay Mobile Home Park to prevent levee overtopping and erosion.
- Staff continued levee system patrols on Feb. 22 and discovered levee erosion and large amount of debris near Charcot Avenue affecting the levee. Crane and a crew were called out to remove debris and protect the levee.

### Sandbags

- The district maintained sandbag sites throughout the county, and delivered over 62,000 sandbags during the Feb. 14-28 period.
- The district also distributed 36,500 empty bags to San Jose and Morgan Hill cities.

For questions, contact Melanie Richardson, Interim Chief Operating Officer Watersheds at (408) 630-2035 or Jim Fiedler, Chief Operating Officer Water Utility at (408) 630- 2736.