

July 2021 Water Tracker



A monthly assessment of trends in water supply and use for Santa Clara County, California

Outlook as of July 1, 2021

Santa Clara County is in an extreme drought per the U.S. Drought Monitor. Due to very low local rainfall, statewide snowpack and imported water allocations, end of 2021 groundwater storage is projected to be in Stage 2 (Alert) of the Water Shortage Contingency Plan without additional imported water supplies or water use reduction. Efforts are underway to secure emergency water supplies and ramp up water conservation programs and outreach. Valley Water will rely more on imported water and water conservation in the next 10 years while Anderson Reservoir storage is unavailable due to the Federal Energy Regulatory Commission (FERC) order to drain the reservoir. On June 9, 2021, the Board of Directors adopted Resolution 21-86, declaring a water shortage emergency condition and calling for water use restrictions of 15% relative to 2019. The County of Santa Clara also proclaimed a local emergency. Making conservation a California way of life is especially critical during this extreme drought.

Weather

- Rainfall in San José:
 - » Month of June, City of San José = 0.00 inches
 - » Rainfall year total = 5.79 inches or 41% of average to date (rainfall year is July 1 to June 30)
- Month of June, San José average daily high temperature = 78 degrees Fahrenheit

Local Reservoirs

- Total July 1 storage = 23,688 acre-feet
 - » 25% of 20-year average for that date
 - » 14% of total unrestricted capacity
 - » 38% of restricted capacity (166,140 acre-feet total storage capacity limited by seismic restrictions to 62,362 acre-feet)
- Approximately 250 acre-feet of imported water delivered into Calero Reservoir during June 2021
- Approximately 310 acre-feet of water released from Anderson Reservoir during June 2021. Since the FERC order to drawdown Anderson Reservoir was issued on February 20, 2020, cumulative release from Anderson is approximately 30,360 acre-feet. Majority of released water was for water supply
- Total estimated releases to streams (local and imported water) during June was 2,480 acre-feet (based on preliminary hydrologic data)

Groundwater

- Groundwater levels and storage continue to decline due to the extreme drought conditions. Total storage at the end of 2021 is projected to be in Stage 2 (Alert) of Valley Water's Water Shortage Contingency Plan

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
June managed recharge estimate (AF)	600	500	800
January to June managed recharge estimate (AF)	17,600	5,900	7,000
January to June managed recharge, % of 5-year average	63%	70%	80%
May pumping estimate (AF)	10,700	1,000	4,200
January to May pumping estimate (AF)	33,900	3,900	13,300
January to May pumping, % of 5-year average	153%	100%	123%
Current index groundwater levels compared to June of last year	14 Feet Lower	4 Feet Lower	22 Feet Lower

AF = acre-feet

Supplemental Attachment 3

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Imported Water

- 2021 State Water Project (SWP) and Central Valley Project (CVP) allocations:
 - » 2021 SWP allocation of 5%, which provides 5,000 acre-feet to Valley Water
 - » 2021 South-of-Delta CVP allocations are 0% for Agriculture and 25% for M&I, plus credits for deliveries prior to June 1 (when the initial M&I allocation was 55%). Combined this provides 42,929 acre-feet to Valley Water. Valley Water may receive additional supplies in accordance with the CVP M&I Shortage Policy
- Statewide reservoir storage information, as of July 1, 2021:
 - » Shasta Reservoir at 38% of capacity (48% of average for this date)
 - » Oroville Reservoir at 32% of capacity (39% of average for this date)
 - » San Luis Reservoir at 32% of capacity (51% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are at 93% of capacity, or 323,896 acre-feet, as of May 31, 2021
- Estimated SFPUC deliveries to Santa Clara County:
 - » Month of May = 4,182 acre-feet
 - » 2021 Total to Date: 18,083 acre-feet
 - » Five-year annual average = 48,700 acre-feet
- Board Governance Policy No. EL-5.3.3 includes keeping the Board informed of imported water management activities on an ongoing basis. Four imported water agreements were executed under EL-5.3.3 since the last Water Tracker update

Treated Water

- Below average demands of 10,491 acre-feet delivered in June
- This total is 94% of the five-year average for the month of June
- Year-to-date deliveries are 45,368 acre-feet or 105% of the five-year average

Conserved Water

- Saved 74,198 acre-feet in FY20 from long-term program (baseline year is 1992)
- Long-term program goal is to save nearly 100,000 acre-feet by 2030 and 110,000 acre-feet by 2040
- The Board has called for a 25% reduction and a limit of three days per week for irrigation of ornamental landscape with potable water
- Through June, achieved a 15% reduction in water use in calendar year 2021, compared to 2013

Recycled Water

- Estimated June 2021 production = 1,690 acre-feet
- Estimated year-to-date through June = 7,136 acre-feet or 98% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.6 billion gallons (4,864 acre-feet) of purified water in 2020. Since the beginning of 2021, about 2,475 acre-feet of purified water has been produced. The purified water is blended with existing tertiary recycled water for South Bay Water Recycling Program customers

Alternative Sources

- As of December 10, 2019, Valley Water's wastewater contract right from Palo Alto/ Mountain View remains at 10,000 acre-feet/year



CONTACT US

For more information, contact **Customer Relations** at **(408) 630-2880**, or visit our website at valleywater.org and use our **Access Valley Water** customer request and information system. With three easy steps, you can use this service to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.

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