

Outlook as of September 1, 2022

Based on continued drought conditions across California, imported water allocations remain low. The State Water Project allocation is at 5% of contract amount and the Central Valley Project allocation is zero. Both the State Water Project and U.S. Bureau of Reclamation have allocated Valley Water with emergency public health and safety water supplies. Santa Clara County continues to be in a water shortage emergency. Due to severe drought and increased reliance on imported water in the next 10 years while Anderson Reservoir storage is unavailable, meeting the Board of Directors call for 15% water use reduction relative to 2019 is essential. Valley Water Board of Directors approved an ordinance to enforce water waste restrictions on May 24, 2022, and Valley Water is now proceeding with an enforcement program.

Weather

- Rainfall in San José:
 - » Month of August, City of San José = 0 inches
- San José average daily high temperature was 83.7 degrees Fahrenheit in August, which is higher than the five-year average for August (82.7 degrees Fahrenheit)

Local Reservoirs

- Total September 1 storage = 31,077 acre-feet

Reservoir Storage	All Ten Valley Water Reservoirs	All Reservoirs Except Anderson
Current storage as % of unrestricted capacity	19%	36%
Current storage as % of restricted capacity ⁽¹⁾	50%	46%
Current storage as % of the 20-year average for September 1	39%	79%

(1) Per the Federal Energy Regulatory Commission's order, the capacity of Anderson Reservoir was restricted to the deadpool storage of about 3,050 acre-feet. The total restricted capacity for all ten reservoirs is 62,592 acre-feet.

- Approximately 200 acre-feet of imported water delivered into Calero Reservoir during August 2022
- Total estimated releases to streams (local and imported water) during August were 3,810 acre-feet (based on preliminary hydrologic data)

Groundwater

- Despite ongoing drought conditions, groundwater levels are stabilizing or increasing in some areas because of recent increases in managed recharge (made possible by emergency imported water supplies) and ongoing water conservation by the community. Other areas continue to have declines in water levels. The end of 2022 groundwater storage is projected to be in low Stage 1 (Normal) of the Water Shortage Contingency Plan. Valley Water continues to plan for dry and rapidly evolving conditions

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
August 2022 managed recharge estimate	8,000	1,200	1,700
YTD managed recharge estimate	34,100	7,900	13,500
YTD managed recharge as % of 5-year average	106%	77%	110%
July 2022 pumping estimate	5,900	1,200	5,500
YTD pumping estimate	39,800	6,700	19,400
YTD pumping as % of 5-year average	103%	104%	92%
Current index well groundwater levels compared to August 2021	22 Feet Higher	3 Feet Higher	3 Feet Lower

All volumes are in acre-feet. All data is for 2022 except where noted. YTD = Year-to-Date

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Imported Water

- In August, the State Water Project operated Banks pumping plant with an average daily production of 1,201 AF, resulting in a total export of 34,821 AF from the delta
- In August, the Central Valley Project operated Jones pumping plant with an average daily production of 5,372 AF, resulting in a total export of 155,779 AF from the delta
- There were no interruptions to delta pumping operations, due to water quality or otherwise, during the month of August

WY 2022 Imported Water Allocations	Allocation	Allocation (acre-feet)	Additional Allocation
State Water Project	5%	5,000	Additional allocation of human health and safety water secured
Central Valley Project	-	-	Public health and safety water only
State-wide Reservoir Storage	Capacity	Current Storage (acre-feet)	Average for Date (as of 8/30/22)
Shasta Reservoir	35%	1,594,189	58%
Oroville Reservoir	37%	1,321,998	63%
San Luis Reservoir	28%	572,398	73%
Semitropic Groundwater Bank	Capacity	Current Storage (acre-feet)	Date of Data
	80%	279,354	7/31/22
Estimated SFPUC Deliveries	July (acre-feet)	2022 Total to Date (acre-feet)	Five-year annual average (acre-feet)
	4,808	26,289	48,700

Treated Water

- Below average demands of 10,460 acre-feet delivered in August
- This total is 88% of the five-year average for the month of August
- Year-to-date deliveries are 62,321 acre-feet or 91% of the five-year average

Conserved Water

- Saved 76,584 acre-feet in FY21 through Valley Water's long-term conservation 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
- On June 9, 2021, the Board called for a 15% reduction in water use compared to 2019 and for retailers, cities, and the County to implement local water restrictions. On May 24, 2022, the Board approved an ordinance to enforce outdoor water waste restrictions against runoff, midday watering, and watering after rainfall, and a limit of two days a week of watering for non-functional turf. The governor has called for 15% water savings compared to 2020. Both are shown below

Baseline Year	Valley Water	
	2019	2020
July Savings	16%	19%
Cumulative*	4%	10%

*Cumulative for 2019 baseline begins in June 2021 and for 2020 baseline begins in July 2021

Recycled Water

- Estimated August 2022 production = 2,011 acre-feet
- Estimated year-to-date through August = 11,715 acre-feet or 100% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.7 billion gallons (5,150 acre-feet) of purified water in 2021. Since the beginning of 2022, about 3,303 acre-feet of purified water has been produced. The purified water is blended with existing tertiary treated 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 11,200 acre-feet/year

CONTACT US

To find out the latest information on Valley Water projects or to submit questions or comments, email info@valleywater.org or use our **Access Valley Water** customer request system at <https://deliver.com/2yukx>.



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