

Big Creek Project 2022 Water Year Outlook

Southern California Edison values its relationship with the local community and understands the importance of the lakes in the Big Creek system to those enjoying the many recreation opportunities in the area. To help facilitate our partnership with the community, SCE has prepared answers to frequently asked questions. Included with this list is precipitation data from the California Department of Water Resources for the San Joaquin River Basin and a table with the forecasted lake levels for the Big Creek system for the 2022 water year. SCE hopes this helps the community plan for a safe and enjoyable recreation season.

How does SCE forecast the levels for the lakes in the Big Creek system?

The six main lakes on the Big Creek system (Lake Thomas Edison, Florence Lake, Huntington Lake, Shaver Lake, Mammoth Pool Reservoir and Redinger Lake) are fed by snowmelt. Every year, SCE conducts snow surveys and compares the results with government data to determine the amount of water in California's snowpack. This data is put into models to estimate when and how much water will be coming into the reservoirs. SCE uses the models to balance the predicted available water with dam safety constraints, FERC license requirements, contractual obligations, recreation needs, maintenance requirements and forecasted energy demand to develop a plan for each lake. While SCE strives to operate pursuant to its annual plan, forecasts are not guaranteed to be precise and deviations from the projected lake levels may occur.

How much snow did we get this winter?

The April 1 statewide average snow water equivalent for the snowpack is 35% of average. The San Joaquin River Basin specifically measured in at 44% of average for April 1. This is a third consecutive year of severe or extreme drought.

Will we see impacts to recreation this year?

Yes. The entire state continues to face critically dry hydrologic conditions, and the State Water Resources Control Board has recently warned that "conditions are worsening quickly and can threaten water supplies, impair critical habitat, reduce recreational opportunities, and create uncertainty for all water users."¹ SCE's reservoirs and operations are not immune from these impacts, and it will be necessary for SCE to lower reservoirs and send water to downstream users earlier in the season. Most notably this will cause **Huntington Lake to drop below normal recreation levels around August 7th**. As shown in the charts below **Shaver will also be at low levels much of the summer** and only get to a normal recreation level for a short time. SCE will continue to cooperate with downstream partners to balance all beneficial uses of the available water and support recreation where possible.

Where can I find more information about water conditions and lake levels?

For current water conditions and hydrology information, see the Department of Water Resources Data Exchange Center website: <http://cdec.water.ca.gov>

Up-to-date lake levels for the Big Creek Project and flow information can be found on SCE's public water flow and levels website: <https://www.kisters.net/scepublic/>

Who can I contact if I have additional questions?

For more information or updates, please contact our Government Relations Manager:

Brian Thoburn - (559) 685-3240 - Brian.Thoburn@sce.com

¹ https://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/docs/2022/dyl_2022_web.pdf

Big Creek Project 2022 Water Year Projection as of 4/18/22

First of Month Reservoir Elevation (feet above mean sea level)										
	March	April	May	June	July	August	September	October	November	December
Lake Edison	7,570	7,574	7,581	7,590	7,592	7,572	7,566	7,564	7,563	7,561
Florence	7,245	7,247	7,262	7,295	7,311	7,286	7,271	7,242	7,240	7,240
Huntington	6,914	6,913	6,938	6,949	6,949	6,949	6,912	6,906	6,906	6,905
Shaver	5,318	5,329	5,340	5,343	5,341	5,344	5,348	5,331	5,330	5,330
Mammoth Pool	3,301	3,310	3,326	3,330	3,330	3,298	3,260	3,212	3,213	3,219
Redinger	1,388	1,381	1,396	1,400	1,397	1,397	1,397	1,379	1,371	1,371

First of Month Reservoir Storage Volume (Acre Feet)										
	March	April	May	June	July	August	September	October	November	December
Lake Edison	25,570	23,330	29,680	40,080	43,620	19,590	14,440	12,900	11,610	10,610
Florence	6,290	4,740	12,850	35,990	49,180	28,650	20,690	3,630	3,060	3,060
Huntington	36,620	39,940	72,210	87,650	87,410	87,080	42,770	36,820	35,890	35,790
Shaver	50,000	60,000	76,670	82,410	78,180	83,720	90,530	62,970	60,830	61,280
Mammoth Pool	46,740	65,980	115,680	119,930	119,930	88,060	56,260	22,930	23,580	26,610
Redinger	22,460	22,160	23,100	24,680	23,340	23,300	23,280	13,150	13,080	13,060

First of Month Reservoir Percent of Full Capacity										
	March	April	May	June	July	August	September	October	November	December
Lake Edison	20%	19%	24%	32%	35%	16%	12%	10%	9%	8%
Florence	10%	7%	20%	56%	76%	44%	29%	6%	5%	5%
Huntington	42%	45%	82%	100%	99%	99%	49%	42%	41%	41%
Shaver	37%	44%	57%	61%	58%	62%	67%	46%	45%	45%
Mammoth Pool	39%	55%	97%	100%	100%	74%	47%	19%	20%	22%
Redinger	90%	89%	92%	99%	93%	93%	93%	53%	52%	52%

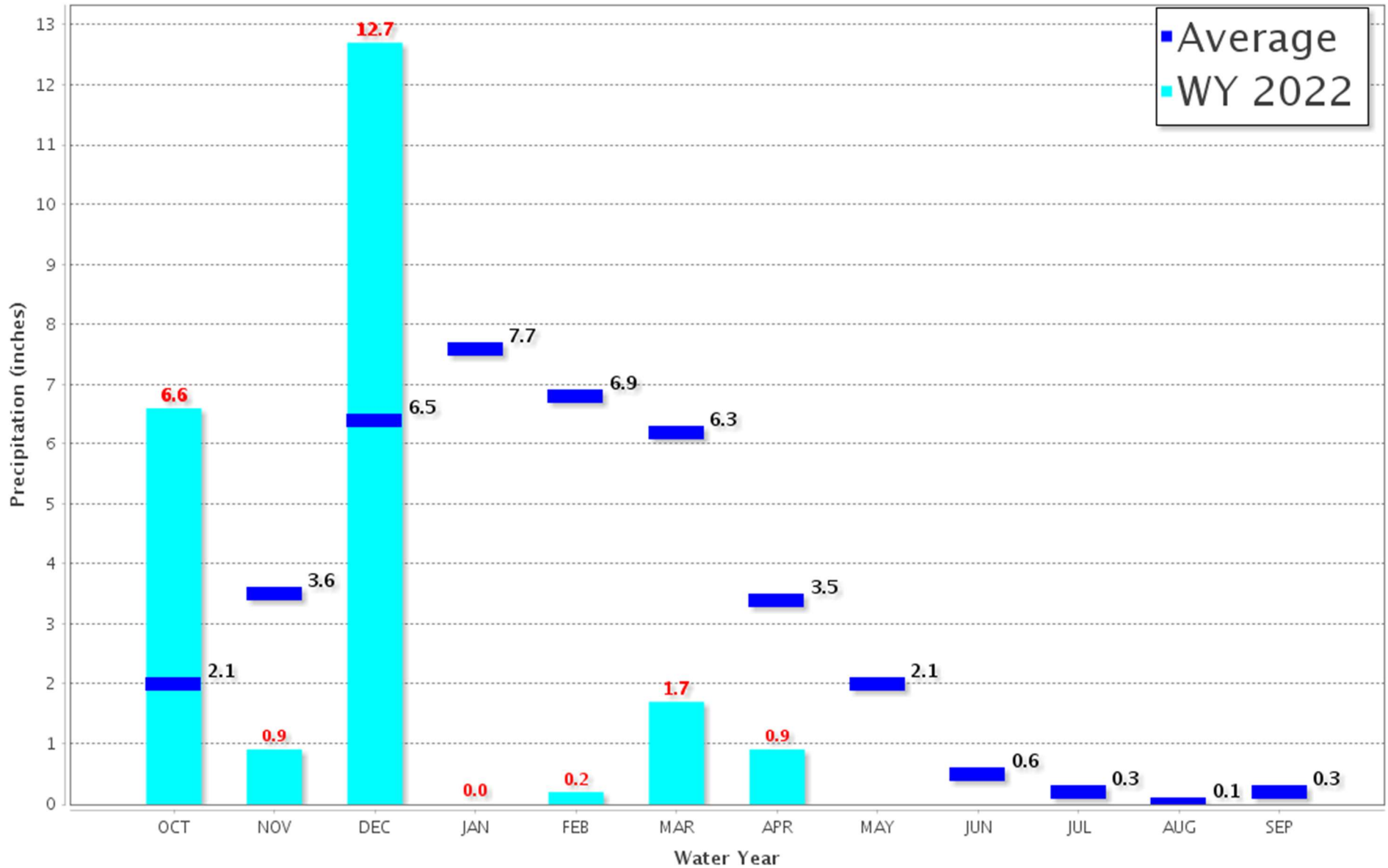


San Joaquin 5-Station

Precipitation Index for Water Year 2022 - Updated on April 18, 2022 01:33 PM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



San Joaquin Precipitation: 5-Station Index, April 18, 2022

