

# WEDNESDAY WATER DATA REPORT

AS OF DATE April 24, 2024

**FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA**

	THIS YEAR 04/24/24	LAST WEEK	LAST YEAR 04/26/23
<b>RESERVOIR STORAGE (A.F.) CAPACITY STORAGE</b>			
<b>Southern California Edison:</b>			
Vermillion (Edison)	125,000	34,780	30,784
Florence	64,400	11,814	7,921
Huntington	89,000	47,051	42,085
Shaver	<u>135,300</u>	<u>62,883</u>	<u>59,818</u>
Sub-total (Big Creek)	413,700	156,528	140,608
Mammoth Pool	122,000	122,263	95,875
Redinger	<u>26,100</u>	<u>24,023</u>	<u>21,612</u>
Sub-total Southern California Edison	<u>561,800</u>	<u>302,814</u>	<u>258,095</u>
<b>Pacific Gas &amp; Electric:</b>			
Crane Valley (Bass Lake)	45,400	34,703	32,537
Kerckhoff	<u>4,200</u>	<u>2,080</u>	<u>1,777</u>
Sub-total P G & E	<u>49,600</u>	<u>36,783</u>	<u>34,314</u>
<b>TOTAL UPSTREAM STORAGE</b>	611,400	339,597	292,409
<b>MILLERTON LAKE</b>	<u>520,500</u>	<u>476,061</u>	<u>458,154</u>
<b>TOTAL STORAGE</b>	1,131,900	815,658	750,563
<b>INFLOW &amp; RELEASE DATA (C.F.S.)</b>			
<b>Millerton Releases:</b>			
Madera Canal		777	670
Friant-Kern Canal		2,666	1,562
San Joaquin River		544	547
Spillway		<u>0</u>	<u>0</u>
Total Millerton Releases		3,987	2,779
Actual Millerton Inflow		8,476	3,346
Computed Natural River (@Friant)		10,021	4,463
<b>SAN JOAQUIN RIVER (A.F.)</b>			
<b>This Month:</b>			
Actual to-date		235,465	126,462
Forecasted DWR/NWS 50% forecasts.		235,200	235,200
<b>April/July Period:</b>			
Actual to-date		235,465	126,462
Forecasted		1,192,000	1,192,000
Last Year Actual			2,999,044
<b>Water Year:</b>			
Actual to-date		691,139	582,136
Forecasted DWR/NWS 50% forecasts.		1,714,000	1,714,000
Last Year Actual			4,569,000
<b>ESTIMATED WATER YET TO BE DELIVERED (A.F.)</b>			
<b>Contract Year Ending February 28</b>		949,296*	866,896**
			1,732,926

\*Figure is based on 100% Class 1, 5% Class 2, Carryover, URF, minus District usage.

\*\*Figure is based on 95% Class 1, URF, carryover, minus District usage.

FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA

PRECIPITATION DATA

REPORTING STATIONS:	THIS YEAR 04/24/24		LAST YEAR 04/26/23	
	AVERAGE (INCHES)	ACCUMULATIVE TO DATE (INCHES/PERCENT AVG)		
<b>HUNTINGTON</b>				
This Month	3.90	2.82 /	72	0.00 / 0
Seasonal Average*	39.48	34.68 /	88	68.32 / 173
Annual Average	41.99	34.68 /	83	68.32 / 163
<b>CRANE VALLEY</b>				
This Month	3.41	2.33 /	68	0.00 / 0
Seasonal Average*	37.19	29.84 /	80	56.34 / 151
Annual Average	39.87	29.84 /	75	56.34 / 141
<b>FRIANT</b>				
This Month	1.30	1.46 /	112	0.00 / 0
Seasonal Average*	13.66	11.27 /	83	21.27 / 156
Annual Average	14.27	11.27 /	79	21.27 / 149

\* Seasonal Average (July - June) is through the current month

MISC RIVER/RESERVOIR	CAPACITY (A.F.)	STORAGE (A.F.)	RELEASE (C.F.S.)	INFLOW (C.F.S.)
Chowchilla/Buchanan	150,000	130,887	0	118
Fresno/Hidden	90,000	51,633	2	148
Kings/Pine Flat	1,000,000	888,301	1,585	7,052
Kaweah/Terminus	185,000	111,445	56	2,395
Tule/Schafer	82,314	57,850	450	790
Kern/Isabella	570,000	299,874	1,115	3,160

FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA

CVP/SWP SAN LUIS OPERATIONS

		THIS YEAR 04/24/24	LAST WEEK FLOWRATE (C.F.S.)	LAST YEAR 04/26/23 Average
PUMPING INSTANTANEOUS				
	MAX. FLOWRATE (C.F.S.)			
Jones P.P.	4,600	919	922	2,695
Banks P.P.	10,000	521	630	3,421
MONTH TO DATE				
Jones P.P.		42,820	30,135	101,936
Banks P.P.		71,269	63,214	227,225
SEASON TO DATE (Since October 1)				
Jones P.P.		1,015,012	1,002,327	1,168,568
Banks P.P.		900,696	892,641	1,373,428
SAN LUIS RESERVOIR CAPACITY				
	(A.F.)		(A.F.)	
Federal	980,000	920,010	941,553	961,076
State	1,060,000	547,132	546,782	1,058,125
Total	2,040,000	1,467,142	1,488,335	2,019,201
SAN LUIS RESERVOIR DAILY CHANGE				
Federal		(4,193)	(5,046)	1,940
State		(811)	703	4,274

SACRAMENTO-SAN JOAQUIN DELTA FLOW INDICES

	FLOWRATE (C.F.S.)
Delta Outflow Index	33,004
Sacramento River @ Freeport	28,439
San Joaquin River @ Vernalis	5,942
Total Delta Inflow	36,645

FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA

SIERRA SNOW SENSOR DATA

04/24/24

REPORTING STATION	ELEVATION (FT.)	WATER CONTENT (IN.)	APRIL 1st AVERAGE (IN.) **	PERCENT OF APRIL 1st AVERAGE
<b>San Joaquin River</b>				
Kaiser Pass	9,200	25.4	29.1	87%
Green Mountain	7,900	6.7	26.5	25%
Tamarack	7,600	24.1	25.8	93%
Chilkoot Meadow	7,150	N.A.	31.2	N.A.
Huntington Lake	7,000	18.3	21.0	87%
Graveyard Meadow	6,900	19.8	17.5	113%
Poison Ridge	6,900	13.3	22.8	58%
Mammoth Pass	9,300	41.0	36.6	112%
San Joaquin River Average		21.2	26.3	81%
San Joaquin River Areal Weighted Average *		22.5	26.7	84%
<b>Kings River</b>				
Charlotte Lake	10,400	N.A.	26.8	N.A.
State Lakes	10,400	20.2	34.0	59%
Mitchell Meadow	9,900	N.A.	32.5	N.A.
Upper Burnt Corral	9,700	N.A.	35.2	N.A.
W. Woodchuck Mdw.	9,100	30.6	30.7	100%
Big Meadows	7,600	N.A.	23.5	N.A.
Kings River Average		12.7	30.5	80%
<b>Kaweah River</b>				
Farewell Gap	9,500	24.8	37.3	66%
Giant Forest	6,650	N.A.	7.3	N.A.
Kaweah River Average		12.4	22.3	66%
<b>Tule River</b>				
Quaking Aspen	7,200	N.A.	17.2	0%
<b>Kern River</b>				
Upper Tyndall Crk	11,450	N.A.	22.2	N.A.
Crabtree	10,700	14.9	16.1	93%
Chagoopa Plateau	10,300	14.6	17.6	83%
Pascoes	9,150	22.6	27.7	82%
Tunnel	8,950	7.7	10.9	71%
Wet Meadow	8,950	13.7	20.8	66%
Beach Meadow	7,650	0.0	5.0	0%
Kern River Average		12.3	17.2	66%

\* Reporting stations weighted using Thiessen Polygon Method to account for representative watershed area.

\*\* Reflects DWR's April 1st Average going from a 50 to a 30 year that includes the last five years.

**FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA**

**CIMIS EVAPOTRANSPIRATION RATES**

REPORTING STATION #	REPORTING STATION	YESTERDAY 4/23/2024 (Inches)	TOTAL PAST 7 DAYS (Inches)	NORMAL PAST 7 DAYS (Inches)	VARIANCE FROM NORMAL (%)	NORMAL NEXT 7 DAYS* (Inches)
5	Shafter	0.23	1.56	1.37	14	1.49
15	Stratford	0.21	1.52	1.5	1	1.64
39	Parlier	0.19	1.41	1.29	9	1.41
80	Fresno State	0.20	1.45	1.33	9	1.46
125	Arvin-Edison	0.23	1.61	1.39	16	1.53
142	Orange Cove*	N.A.	N.A.	N.A.	N.A.	N.A.
148	Merced**	N.A.	N.A.	N.A.	N.A.	N.A.
169	Porterville***	N.A.	N.A.	N.A.	N.A.	N.A.
182	Delano	0.24	1.6	1.29	24	1.41

\*Station 142 Orange Cove temporarily not reporting ETo until irrigation resumed and pasture restored.

\*\*Station 148 was deactivated due to a land use change beginning April 9th, 2024.

\*\*\*Station 169 Porterville has been retired due to a land-use change.

FRIANT WATER AUTHORITY  
SAN JOAQUIN RIVER AND ASSOCIATED WATER DATA

CROP COEFFICIENTS

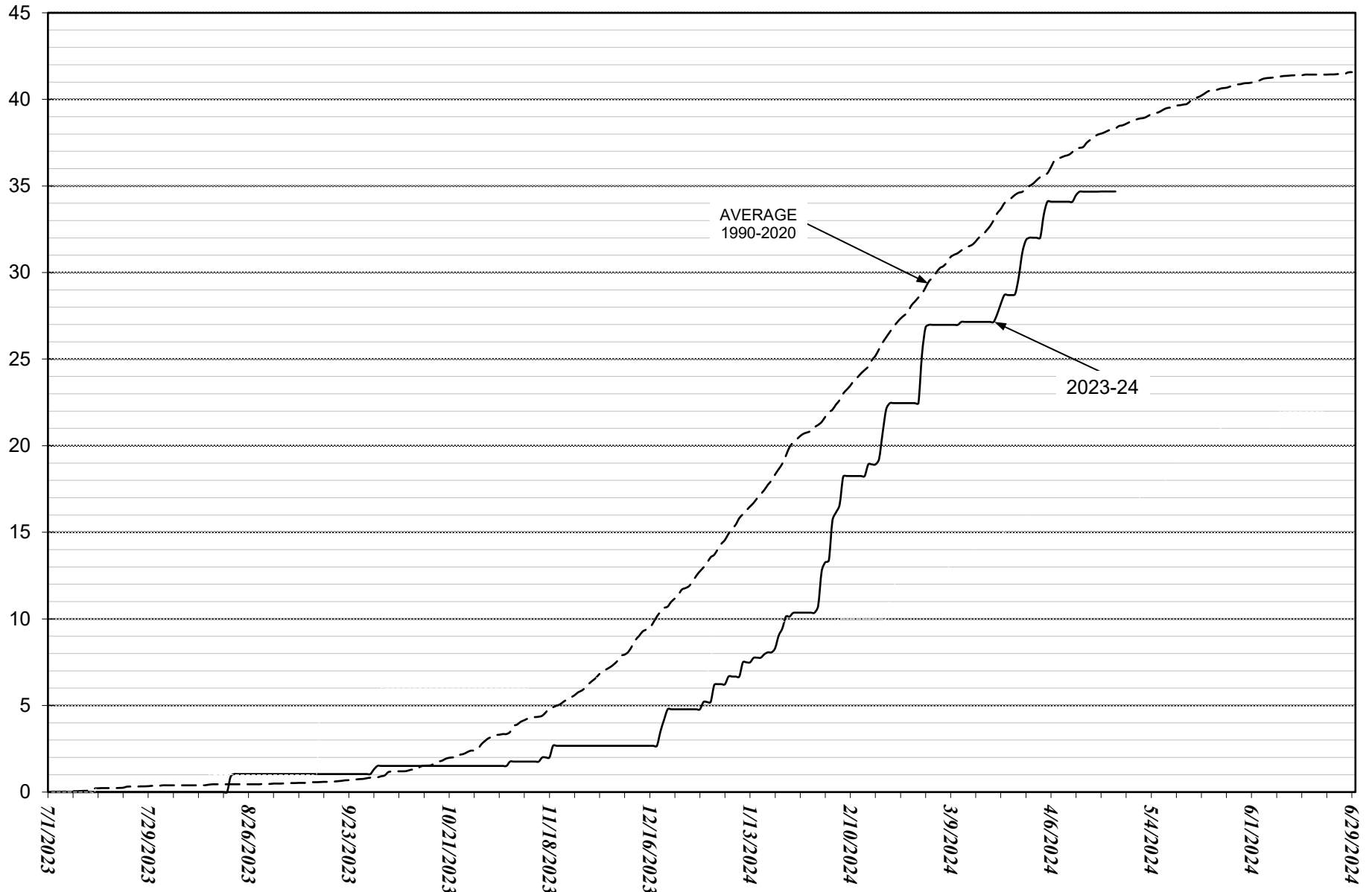
24-Apr-24

Crop (Description)	Today	Avg. Prev. 7 Days	Avg. Next 7 Days
Alfalfa (average)	0.95	0.95	0.95
Almonds (Feb. 20 leafout, Nov. 15 leafdrop)	0.66	0.65	0.67
Almonds (Mar. 1 leafout, Nov. 15 leafdrop)	0.64	0.62	0.65
Beans (Apr. 1 plant date, Aug. 1 harvest)	0.23	0.14	0.37
Beans (May 1 plant date, Aug. 15 harvest)	0.00	0.00	0.03
Beans (Jun. 1 plant date, Sep. 15 harvest)	0.00	0.00	0.00
Citrus (year round)	0.65	0.65	0.65
Corn (Apr. 15 plant date, Sep. 15 harvest)	0.15	0.15	0.15
Cotton (Apr. 1 plant date, Sep. 20 defoliate)	0.10	0.10	0.10
Cotton (Apr. 15 plant date, Oct. 1 defoliate)	0.10	0.10	0.10
Cotton (May 1 plant date, Oct. 1 defoliate)	0.00	0.00	0.03
Wheat, Oats, Barley (Dec. 1 plant date, Jun. 1 harvest)	1.20	1.20	1.14
Grapes, Raisin (Mar. 15 leafout, Oct. 15 leafdrop)	0.36	0.34	0.39
Grapes, Table (Mar. 15 leafout, Oct. 15 leafdrop)	0.46	0.43	0.49
Kiwi (Mar. 15 leafout, Nov. 1 leafdrop)	0.66	0.62	0.70
Melons (Apr. 1 plant date, Jul. 15 harvest)	0.16	0.16	0.16
Melons (May 1 plant date, Aug. 15 harvest)	0.00	0.00	0.05
Melons (Jun. 1 plant date, Sep. 20 harvest)	0.00	0.00	0.00
Melons (Jul. 1 plant date, Oct. 10 harvest)	0.00	0.00	0.00
Olives (year round)	0.75	0.75	0.75
Pasture Grass	0.70	0.70	0.70
Pistachio (Apr. 1 leafout, Nov. 15 leafdrop)	0.58	0.51	0.65
Safflower (Mar. 1 plant date, Aug. 1 harvest)	0.68	0.57	0.79
Low Chilling Stone Fruit (Feb. 15 leafout, Dec. 1 leafdrop)	0.67	0.65	0.68
Stone Fruit (Mar. 1 leafout, Nov. 15 leafdrop)			
[Peach, Nectarine, Plum, Apricot]	0.64	0.62	0.65
Late Stone Fruit (Mar. 16 leafout, Nov. 1 leafdrop)	0.60	0.58	0.62
Soft Fruit (Apr. 1 leafout, Nov. 15 leafdrop)			
[Apple, Pear]	0.48	0.45	0.51
Tomato (Mar. 1 plant date, Jul. 20 harvest)	0.33	0.24	0.43
Tomato (Apr. 1 plant date, July 30 harvest)	0.20	0.20	0.20
Walnut, Early (Mar. 15 leafout, Nov. 1 leafdrop)	0.64	0.60	0.68
Walnut, Late (Apr. 1 leafout, Nov. 1 leafdrop)	0.47	0.43	0.52

*NOTE: This information is a reproduction of information compiled by Kings River Conservation District.  
This information is provided as a general guideline and may not exactly be reflective of all  
locations or varieties.*

# HUNTINGTON PRECIPITATION

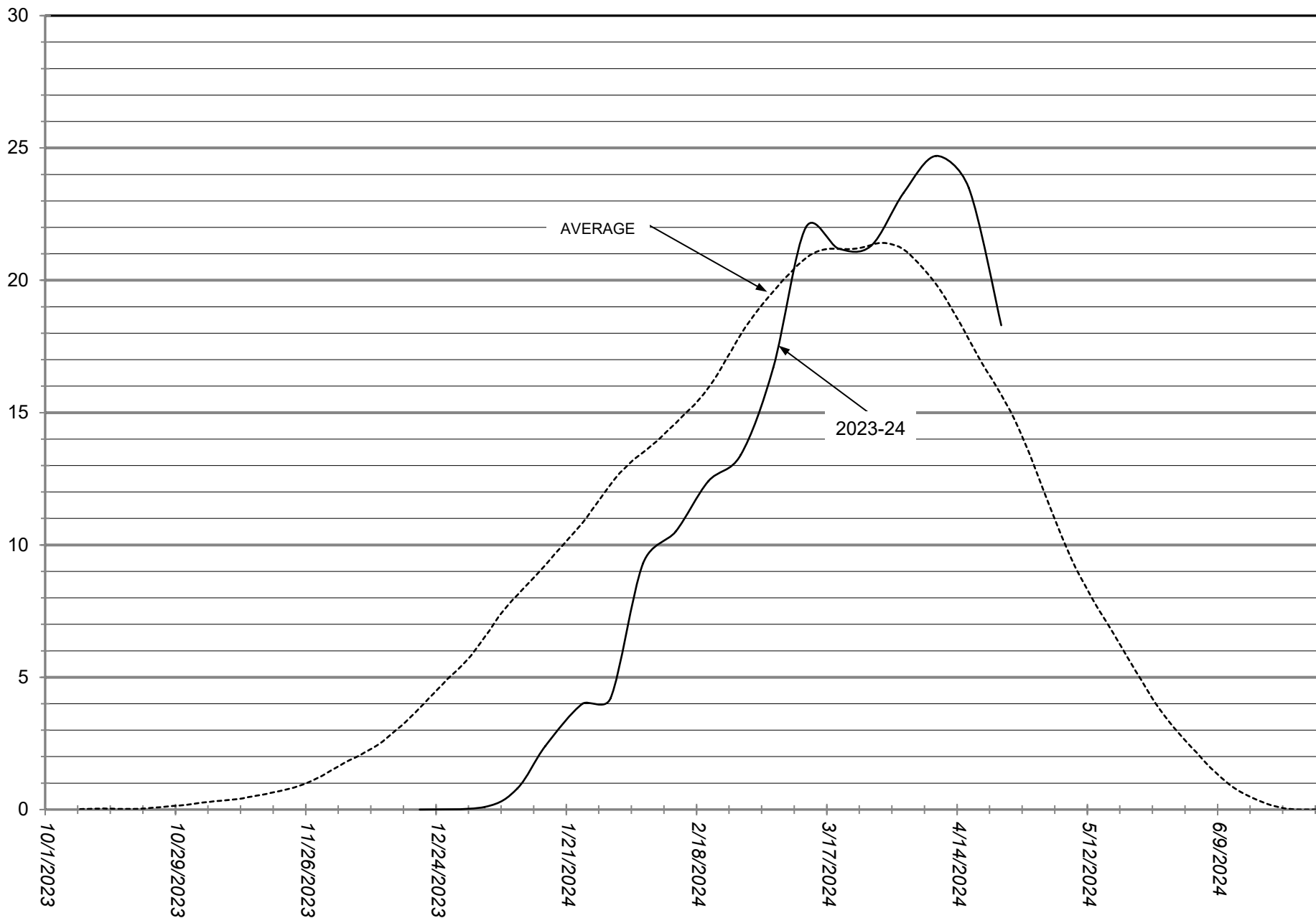
Water Accumulation in Inches





# HUNTINGTON SNOW DATA

Water Content in Inches



# SAN JOAQUIN BASIN

Water Content in Percent of April 1st Average

