

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

		THIS YEAR 07/12/17	LAST WEEK	LAST YEAR 07/13/16
RESERVOIR STORAGE (A.F.)	CAPACITY	STORAGE		
Southern California Edison:				
Vermillion (Edison)	125,000	118,936	120,373	85,210
Florence	64,400	54,644	55,388	54,973
Huntington	89,000	87,455	87,099	87,339
Shaver	<u>135,300</u>	<u>111,385</u>	<u>112,302</u>	<u>120,894</u>
Sub-total (Big Creek)	413,700	372,420	375,162	348,416
Mammoth Pool	122,000	122,327	123,137	104,644
Redinger	<u>26,100</u>	<u>23,538</u>	<u>23,882</u>	<u>24,288</u>
Sub-total Southern California Edison	<u>561,800</u>	<u>518,285</u>	<u>522,181</u>	<u>477,348</u>
Pacific Gas & Electric:				
Crane Valley (Bass Lake)	45,400	45,763	45,812	44,064
Kerckhoff	<u>4,200</u>	<u>3,728</u>	<u>3,655</u>	<u>3,750</u>
Sub-total P G & E	<u>49,600</u>	<u>49,491</u>	<u>49,467</u>	<u>47,814</u>
TOTAL UPSTREAM STORAGE	611,400	567,776	571,648	525,162
MILLERTON LAKE	<u>520,500</u>	<u>521,857</u>	<u>510,573</u>	<u>435,821</u>
TOTAL STORAGE	1,131,900	1,089,633	1,082,221	960,983
INFLOW & RELEASE DATA (C.F.S.)				
Millerton Releases:				
Madera Canal		1,048	1,010	697
Friant-Kern Canal		4,286	4,334	2,142
San Joaquin River		2,376	2,519	491
Spillway		<u>312</u>	<u>0</u>	<u>0</u>
Total Millerton Releases		8,022	7,863	3,330
Actual Millerton Inflow		8,335	10,094	1,976
Computed Natural River (@Friant)		7,818	10,093	1,040
SAN JOAQUIN RIVER (A.F.)				
This Month:				
Actual to-date		202,928	79,915	41,269
Forecasted DWR 50% forecasts.		790,000	790,000	68,000
April/July Period:				
Actual to-date		2,442,553	2,319,540	869,382
Forecasted DWR 50% forecasts.		2,520,000	2,520,000	874,000
Last Year Actual				892,555
Water Year:				
Actual to-date		4,027,602	3,904,589	1,260,224
Forecasted DWR 50% forecasts.		4,195,000	4,195,000	1,300,000
Last Year Actual				1,300,984
ESTIMATED WATER YET TO BE DELIVERED (A.F.)				
Contract Year Ending February 28		A lot more than this----->		225,157

*Figure is based on 100% Class I, Uncontrolled Class II, minus District usage (Uncontrolled Water Season)

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PRECIPITATION DATA

REPORTING STATIONS:	THIS YEAR 07/12/17		LAST YEAR 07/13/16	
	AVERAGE (INCHES)	ACCUMULATIVE TO DATE (INCHES/PERCENT AVG)		
HUNTINGTON				
This Month	0.30	0.00 /	0	0.00 / 0
Seasonal Average*	0.30	0.00 /	0	0.00 / 0
Annual Average	42.65	0.00 /	0	0.00 / 0
CRANE VALLEY				
This Month	0.06	0.00 /	0	0.00 / 0
Seasonal Average*	0.06	0.00 /	0	0.00 / 0
Annual Average	40.54	0.00 /	0	0.00 / 0
FRIANT				
This Month	0.01	0.00 /	0	0.00 / 0
Seasonal Average*	0.01	0.00 /	0	0.00 / 0
Annual Average	14.49	0.00 /	0	0.00 / 0

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

** SCE updated Huntington Precipitation

MISC RIVER/RESERVOIR	CAPACITY (A.F.)	STORAGE (A.F.)	RELEASE (C.F.S.)	INFLOW (C.F.S.)
Chowchilla/Buchanan	150,000	124,195	283	0
Fresno/Hidden	90,000	55,264	286	32
Kings/Pine Flat	1,000,000	986,880	8,664	8,093
Kaweah/Terminus	185,000	156,768	2,312	1,226
Tule/Success	82,314	83,185	194	94
Kern/Isabella	570,000	328,545	3,070	2,113

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CVP/SWP SAN LUIS OPERATIONS

		THIS YEAR 07/12/17	LAST WEEK FLOWRATE (C.F.S.)	LAST YEAR 07/13/16 Average
PUMPING INSTANTANEOUS	MAX. FLOWRATE (C.F.S.)			
Tracy P.P.	4,600	4,201	4,385	803
Banks P.P.	10,000	7,360	7,141	7,283
MONTH TO DATE				
Tracy P.P.		93,987	260,891	20,368
Banks P.P.		120,352	55,475	160,223
SEASON TO DATE (Since October 1)				
Tracy P.P.		2,028,861	2,195,765	932,734
Banks P.P.		2,552,252	2,487,375	1,005,669
SAN LUIS RESERVOIR	CAPACITY (A.F.)		(A.F.)	
Federal	980,000	890,334	895,876	60,120
State	1,060,000	1,102,284	1,113,690	228,820
Total	2,040,000	1,992,618	2,009,566	288,940
SAN LUIS RESERVOIR				
Federal		(595)	(719)	(6,470)
State		(668)	3,125	(665)

SACRAMENTO-SAN JOAQUIN DELTA FLOW INDICES

	FLOWRATE (C.F.S.)
Delta Outflow Index	7,608
Sacramento River @ Freeport	12,267
San Joaquin River @ Vernalis	10,089
Total Delta Inflow	23,501

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SIERRA SNOW SENSOR DATA

07/12/17

REPORTING STATION	ELEVATION (FT.)	WATER CONTENT (IN.)	APRIL 1st AVERAGE (IN.)	PERCENT OF APRIL 1st AVERAGE
San Joaquin River				
Kaiser Pass	9,200	0.0	37.8	0%
Green Mountain	7,900	0.0	30.8	0%
Tamarack	7,600	0.0	30.5	0%
Chilkoot Meadow	7,150	0.0	38.0	0%
Huntington Lake	7,000	0.0	20.1	0%
Graveyard Meadow	6,900	N.A.	N.A.	N.A.
Poison Ridge	6,900	0.0	28.9	0%
Mammoth Pass	9,300	0.0	42.4	0%
San Joaquin River Average		0.0	32.6	0%
San Joaquin River Areal * Weighted Average		0.0	34.3	0%
Kings River				
Charlotte Lake	10,400	N.A.	27.5	N.A.
State Lakes	10,400	0.0	29.0	0%
Mitchell Meadow	9,900	0.0	32.9	0%
Upper Burnt Corral	9,700	0.0	34.6	0%
W. Woodchuck Mdw.	9,100	0.0	32.8	0%
Big Meadows	7,600	0.0	25.9	0%
Kings River Average		0.0	30.5	0%
Kaweah River				
Farewell Gap	9,500	N.A.	34.5	N.A.
Giant Forest	6,650	0.0	10.0	0%
Kaweah River Average		0.0	22.3	0%
Tule River				
Quaking Aspen	7,200	0.0	21.0	0%
Kern River				
Upper Tyndall Crk	11,450	N.A.	27.7	N.A.
Crabtree	10,700	N.A.	19.8	N.A.
Chagoopa Plateau	10,300	0.0	21.8	0%
Pascoes	9,150	0.0	24.9	0%
Tunnel	8,950	0.0	15.6	0%
Wet Meadow	8,950	N.A.	30.3	N.A.
Beach Meadow	7,650	0.0	11.0	0%
Kern River Average		0.0	21.6	0%

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

** April 1st averages are based on measurements made during years 1951-2000 implemented Feb 2002.

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CIMIS EVAPOTRANSPIRATION RATES

REPORTING STATION #	REPORTING STATION	YESTERDAY 7/11/2017 (Inches)	TOTAL PAST 7 DAYS (Inches)	NORMAL PAST 7 DAYS (Inches)	VARIANCE FROM NORMAL (%)	NORMAL NEXT 7 DAYS* (Inches)
5	Shafter	0.28	1.98	1.87	6	1.82
15	Stratford	0.29	2.17	2.09	4	2.03
39	Parlier	0.27	1.88	1.87	1	1.82
80	Fresno State	0.32	2.14	2.02	6	1.98
86	Lindcove	0.27	1.89	1.88	1	1.82
125	Arvin-Edison	0.32	2.18	2.08	5	2.03
142	Orange Cove	0.32	2.14	2.03	5	2.02
148	Merced	0.28	2.07	1.96	6	1.93
169	Porterville	0.27	1.85	1.82	2	1.79
182	Delano	0.27	1.90	1.88	1	1.82
188	Madera II	0.29	1.96	1.87	5	1.80

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CROP COEFFICIENTS

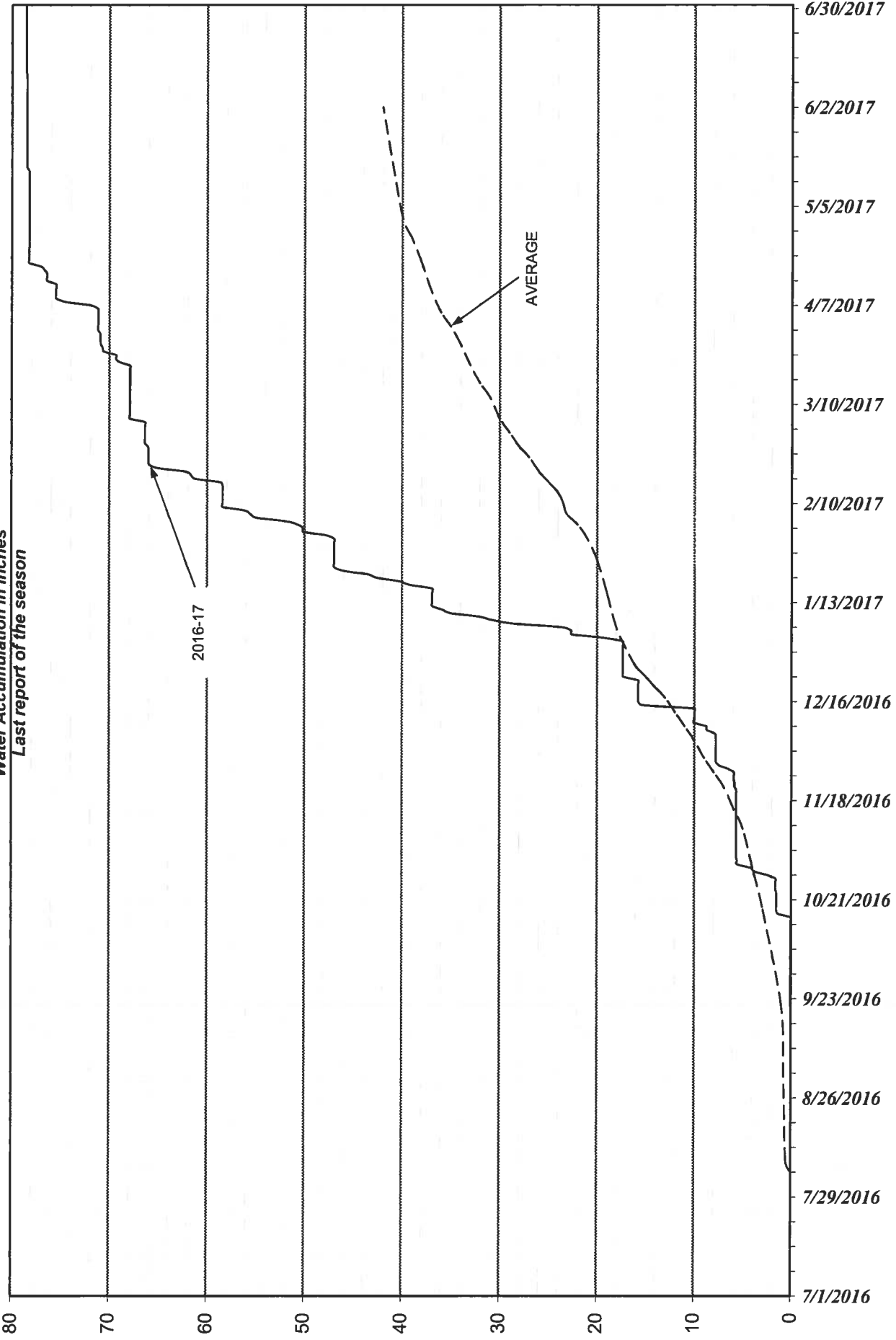
12-Jul-17

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)	0.99	0.99	0.98
Almonds (Mar. 1 leafout, Nov. 15 leafdrop)	0.99	0.99	0.99
Beans (Apr. 1 plant date, Aug. 1 harvest)	0.82	0.93	0.72
Beans (May 1 plant date, Aug. 15 harvest)	1.11	1.10	1.11
Beans (Jun. 1 plant date, Sep. 15 harvest)	1.05	0.89	1.07
Citrus (year round)	0.65	0.65	0.65
Corn (Apr. 15 plant date, Sep. 15 harvest)	1.10	1.10	1.10
Cotton (Apr. 1 plant date, Sep. 20 defoliate)	1.28	1.29	1.27
Cotton (Apr. 15 plant date, Oct. 1 defoliate)	1.27	1.17	1.29
Cotton (May 1 plant date, Oct. 1 defoliate)	1.08	0.97	1.19
Wheat, Oats, Barley (Dec. 1 plant date, Jun. 1 harvest)	0.00	0.00	0.00
Grapes, Raisin (Mar. 15 leafout, Oct. 15 leafdrop)	0.62	0.62	0.63
Grapes, Table (Mar. 15 leafout, Oct. 15 leafdrop)	0.79	0.78	0.79
Kiwi (Mar. 15 leafout, Nov. 1 leafdrop)	1.00	0.99	1.00
Melons (Apr. 1 plant date, Jul. 15 harvest)	0.19	0.35	0.04
Melons (May 1 plant date, Aug. 15 harvest)	0.90	0.88	0.90
Melons (Jun. 1 plant date, Sep. 20 harvest)	0.21	0.16	0.30
Melons (Jul. 1 plant date, Oct. 10 harvest)	0.16	0.16	0.16
Olives (year round)	0.75	0.75	0.75
Pasture Grass	0.81	0.81	0.82
Pistachio (Apr. 1 leafout, Nov. 15 leafdrop)	1.19	1.19	1.19
Safflower (Mar. 1 plant date, Aug. 1 harvest)	1.26	1.45	1.01
Low Chilling Stone Fruit (Feb. 15 leafout, Dec. 1 leafdrop)	0.95	0.95	0.95
Stone Fruit (Mar.1 leafout, Nov. 15 leafdrop)			
[Peach, Nectarine, Plum, Apricot]	0.95	0.95	0.95
Late Stone Fruit (Mar. 16 leafout, Nov. 1 leafdrop)	0.95	0.95	0.95
Soft Fruit (Apr. 1 leafout, Nov. 15 leafdrop)			
[Apple, Pear]	0.95	0.94	0.95
Tomato (Mar. 1 plant date, Jul. 20 harvest)	0.90	1.00	0.80
Tomato (Apr. 1 plant date, July 30 harvest)	1.20	1.20	1.08
Walnut, Early (Mar. 15 leafout, Nov. 1 leafdrop)	1.15	1.15	1.15
Walnut, Late (Apr. 1 leafout, Nov. 1 leafdrop)	1.15	1.15	1.15

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

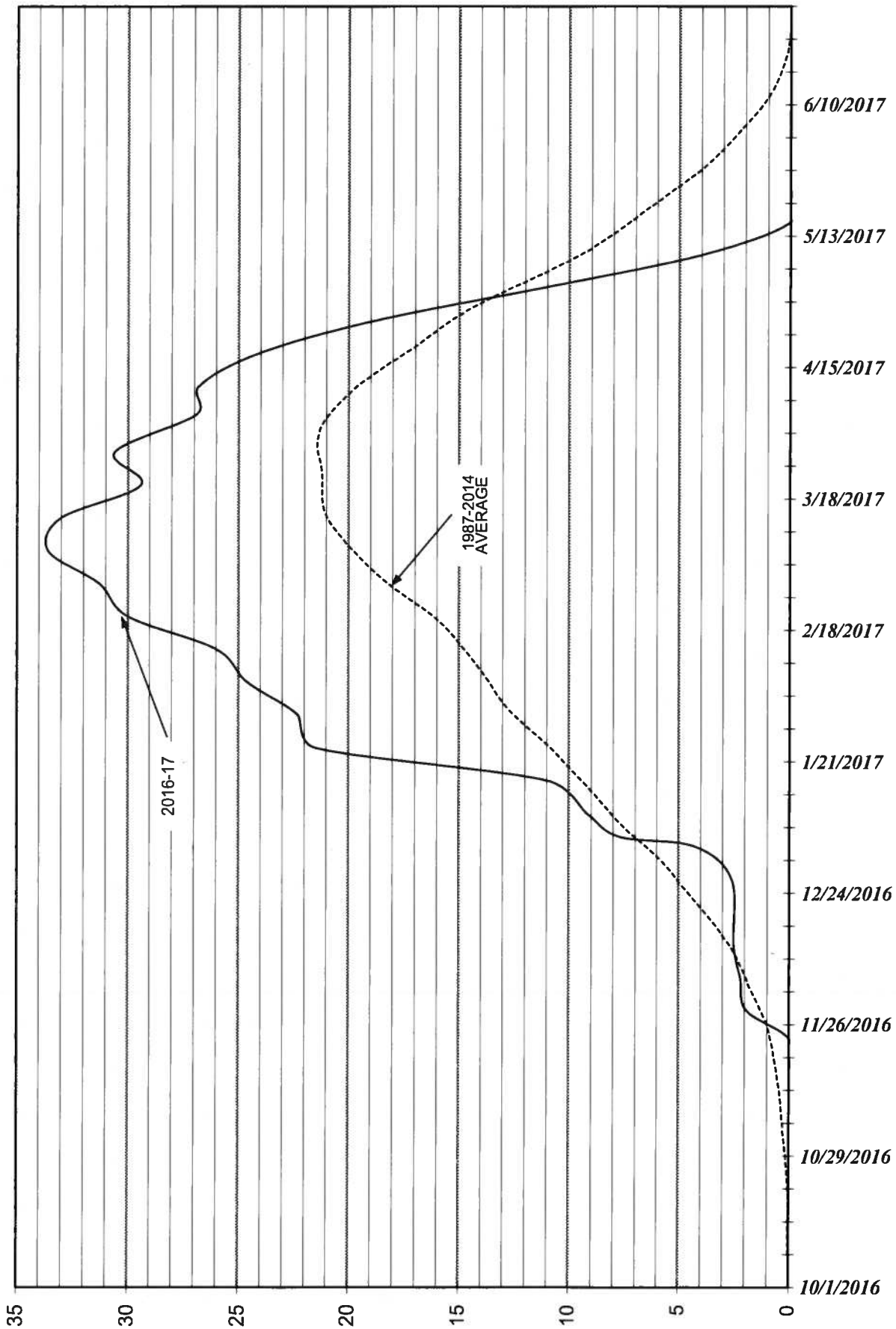
Water Accumulation in Inches
Last report of the season



Last Report for the Season.

HUNTINGTON SNOW DATA

Water Content in Inches
Last report of the season.



Last Report for the Season.

SAN JOAQUIN BASIN

Water Content in Percent of April 1st Average
Last report of the season.

