

# Water Report

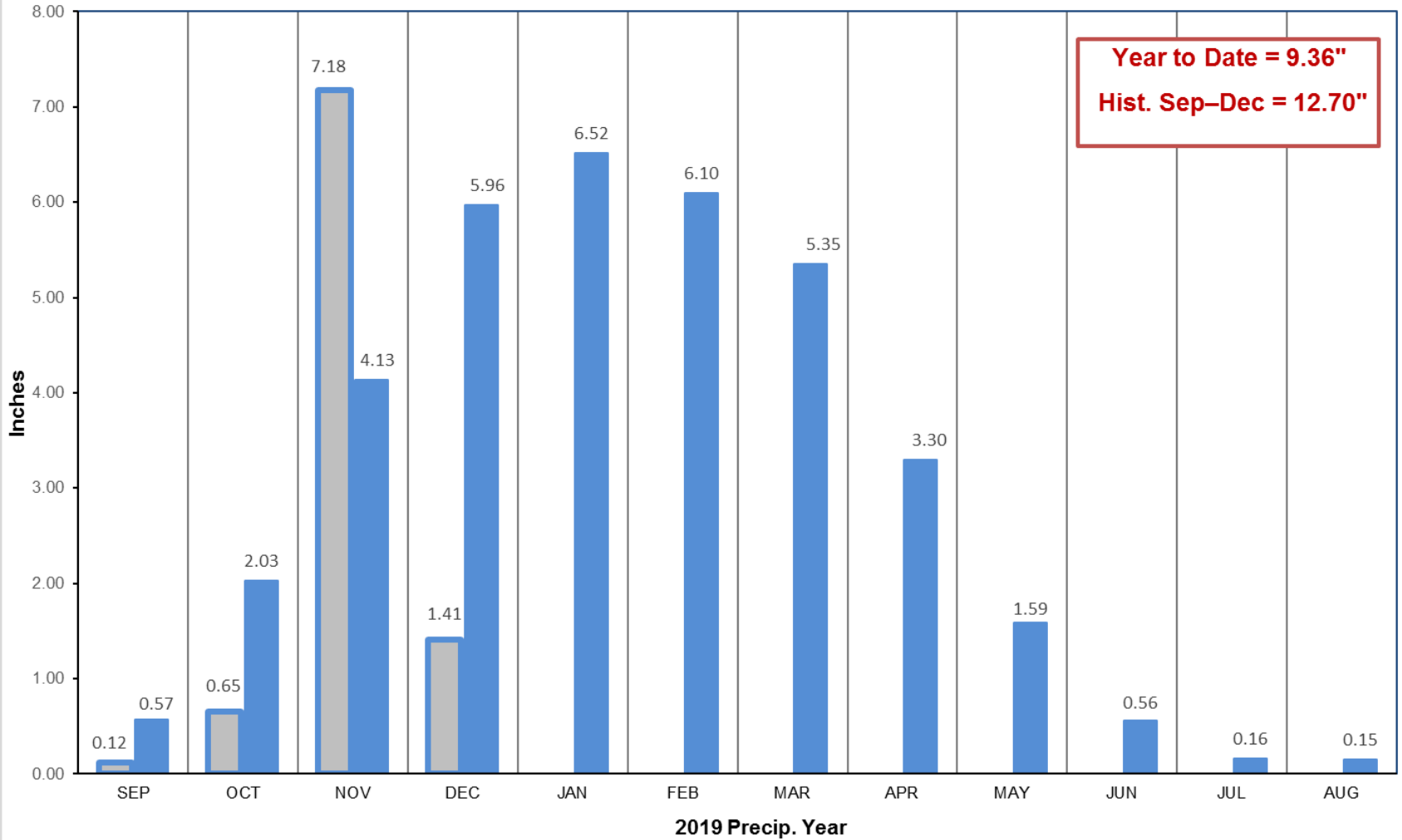
December 18, 2018



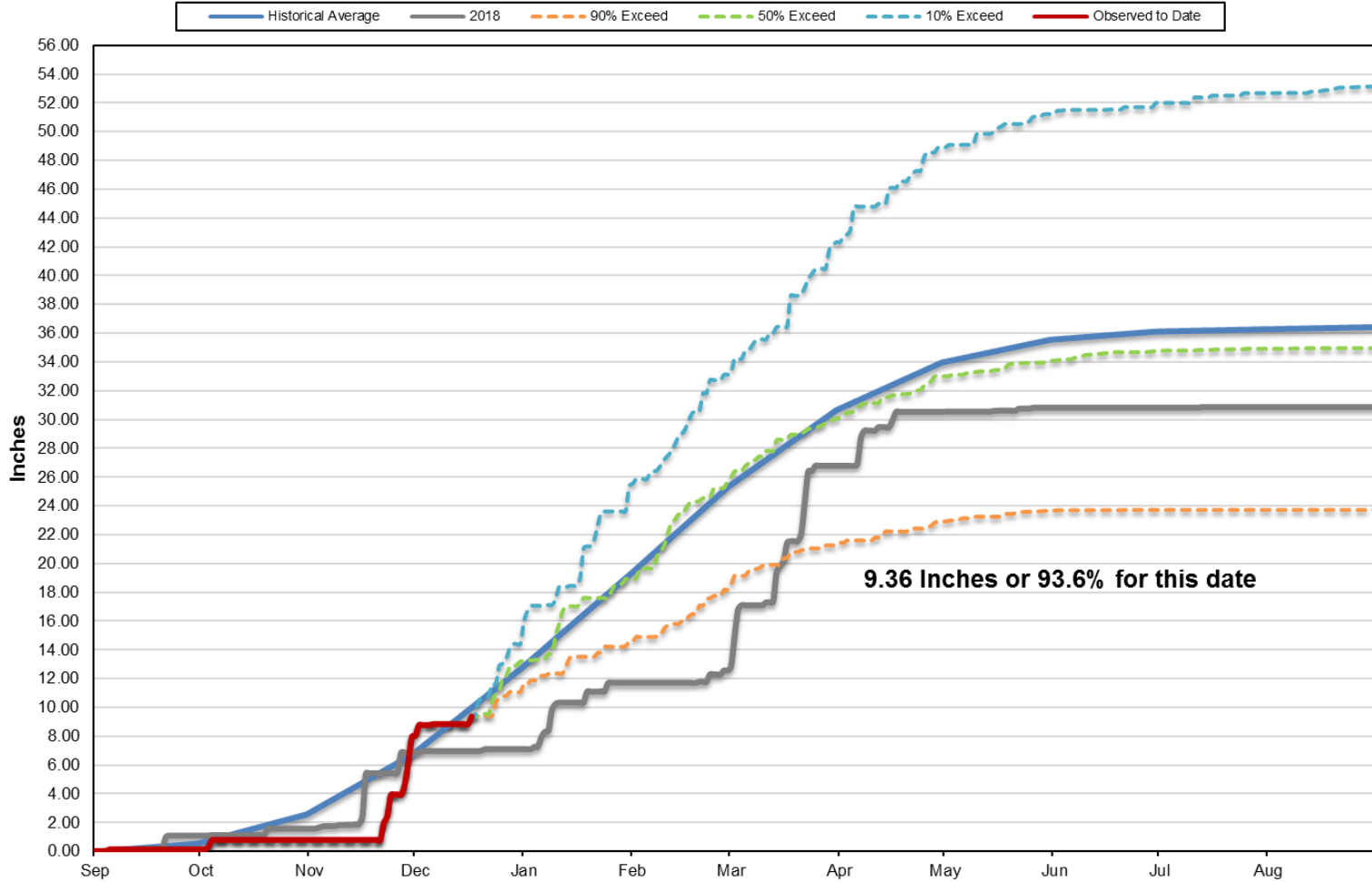
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# Tuolumne River Watershed Monthly Accumulation of Precipitation

2018 - 2019 AVERAGE



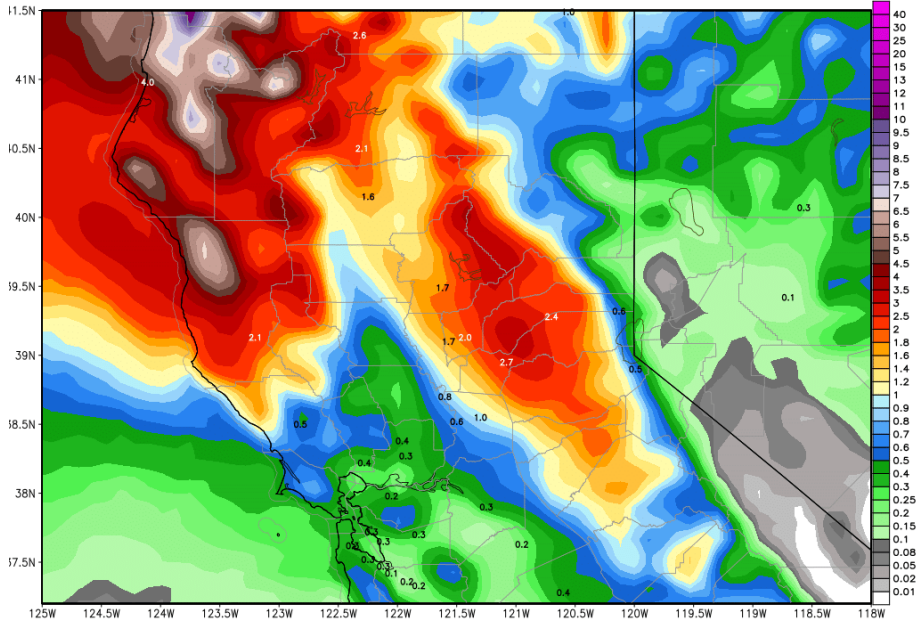
# Tuolumne River Watershed Accumulated Precipitation



# 8 Day Precipitation Forecast

## US MODEL

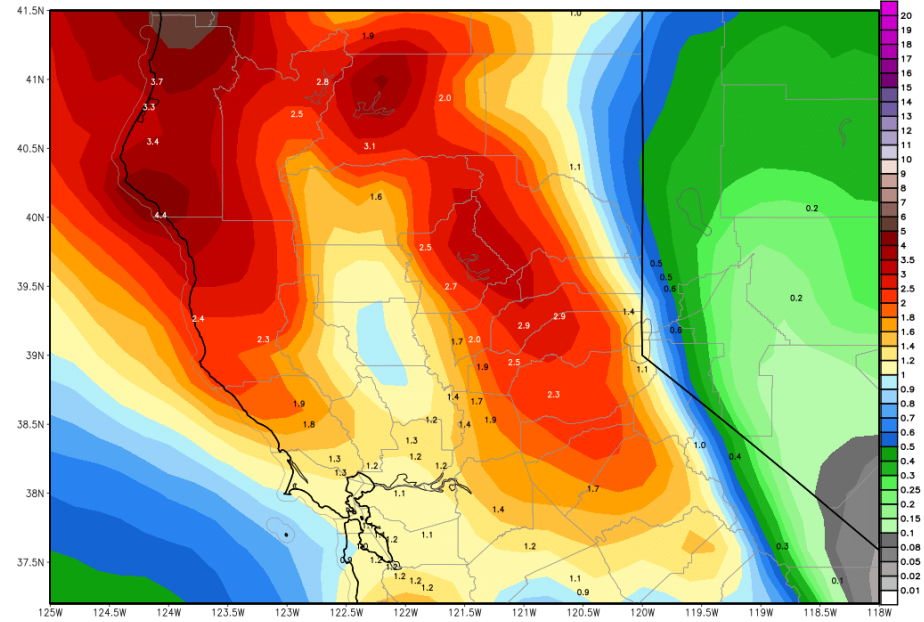
NCEP GFS Total Precipitation [inches] between 12Z17DEC2018 -- 12Z25DEC2018  
Init: 12Z17DEC2018 -- [192] hr --> Valid Tue 12Z25DEC2018 Maximum: 11.3 in.



WxBell

## EURO MODEL

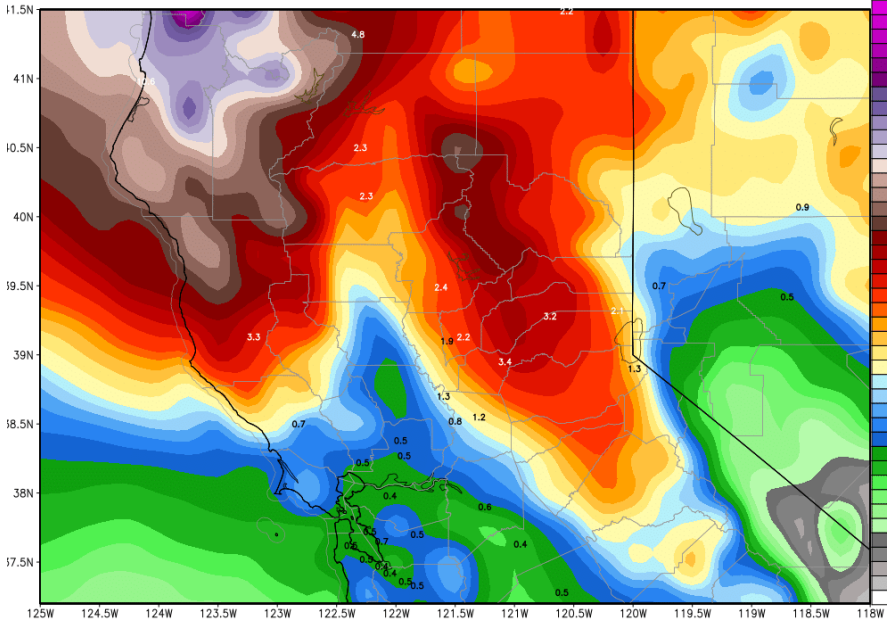
ECMWF EPS Total Precip [inch] Ensemble Mean [50-members]  
INIT: 00Z17DEC2018 fx: [192] hr --> Tue 00Z25DEC2018 Max 6.16 inch



# 16 Day Precipitation Forecast

## US MODEL

NCEP GFS Precipitation [inches] between 12Z17DEC2018 -- 12Z02JAN2019  
Init: 12Z17DEC2018 -- [384] hr --> Valid Wed 12Z02JAN2019

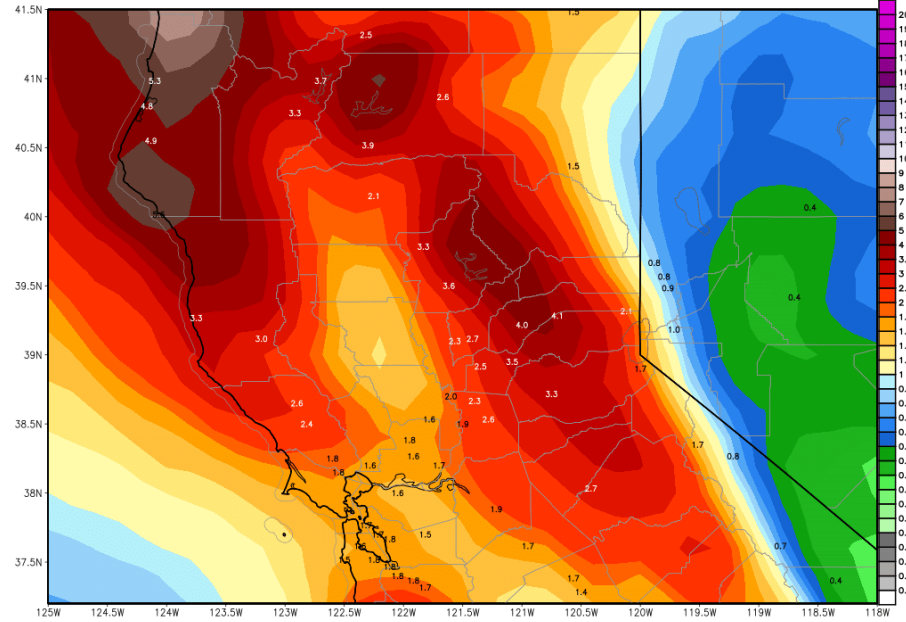


WxBell

## EURO MODEL

ECMWF EPS Total Precip [inch] Ensemble Mean [50-members]  
INIT: 00Z17DEC2018 fx: [360] hr --> Tue 00Z01JAN2019

Max 8.15 inch



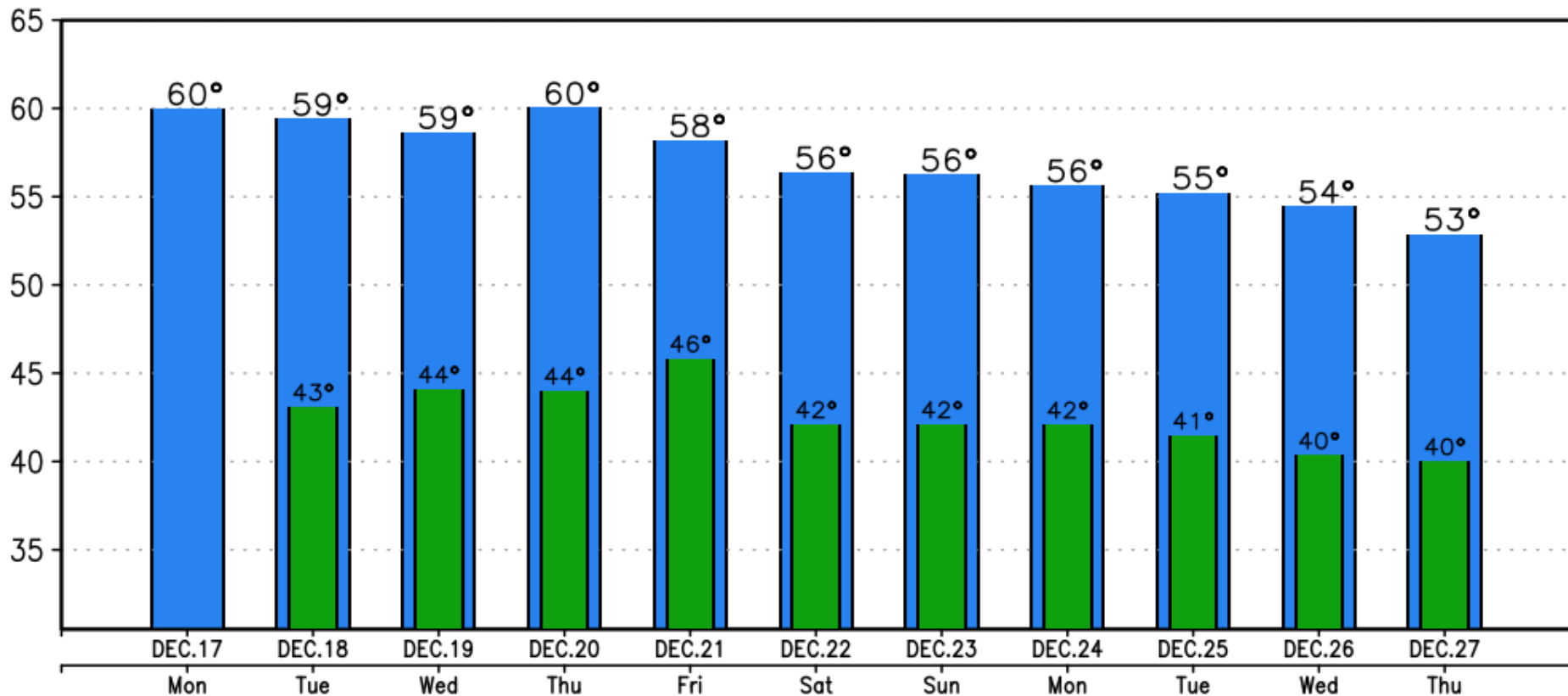
# 10-Day MAX/MIN Temperature Forecast (Modesto)

NWS Blend v3.0 Temperature [°F]  
Daily TMAX/TMIN Init: 2018121705

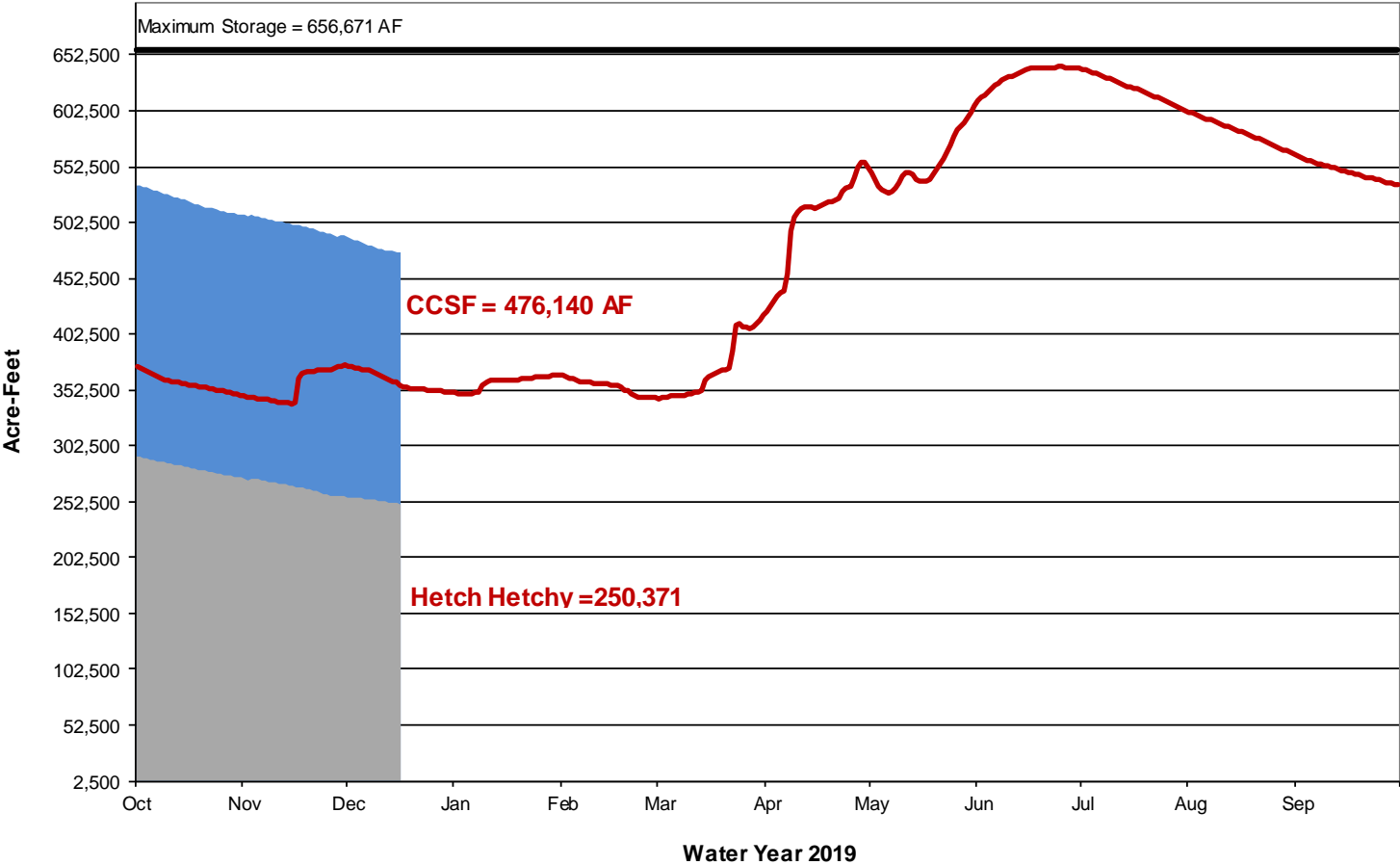
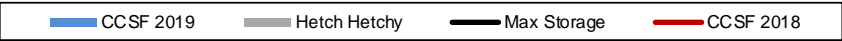
KMOD MODESTO \_\_\_\_\_, CA

KMOD: 37.6167°, -120.95°W

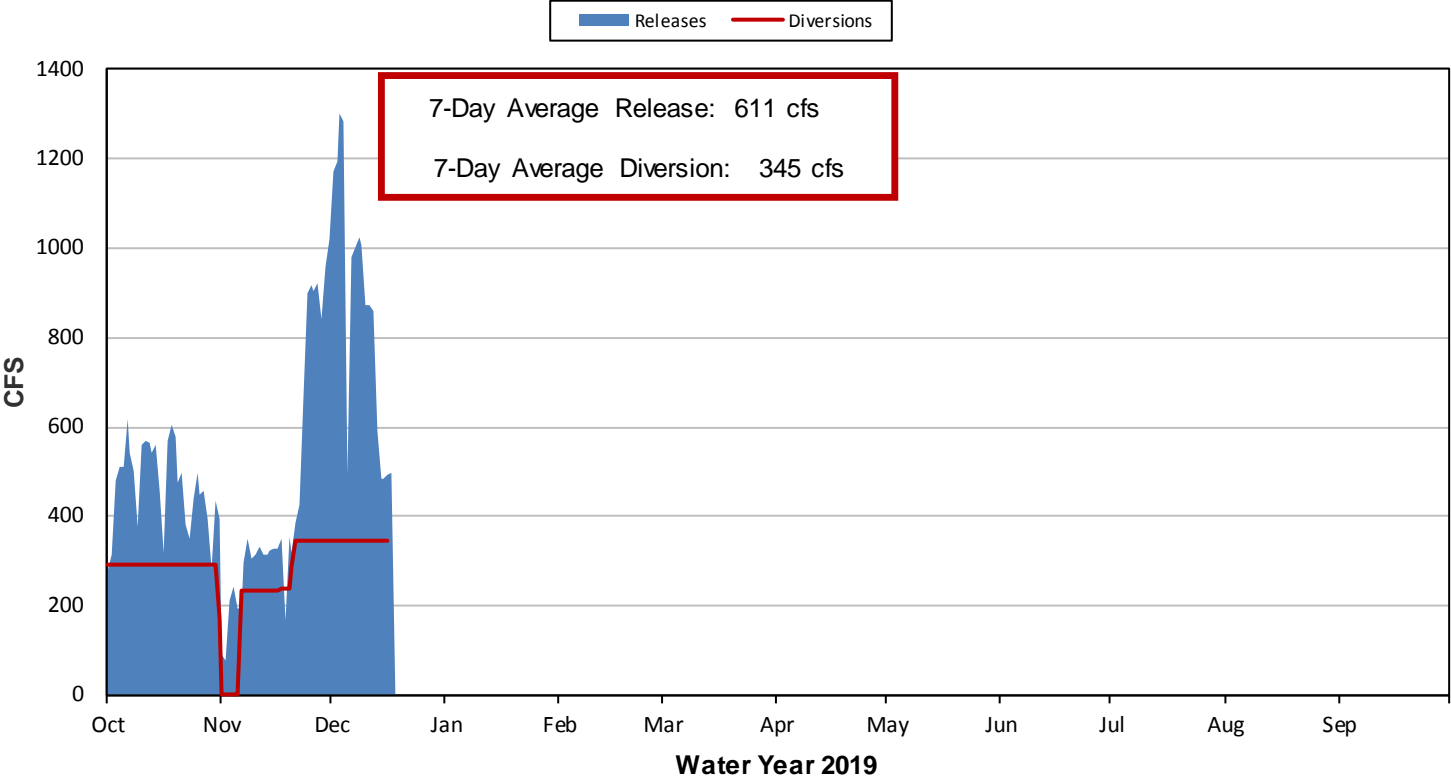
WxBell°



# CCSF Total Storage

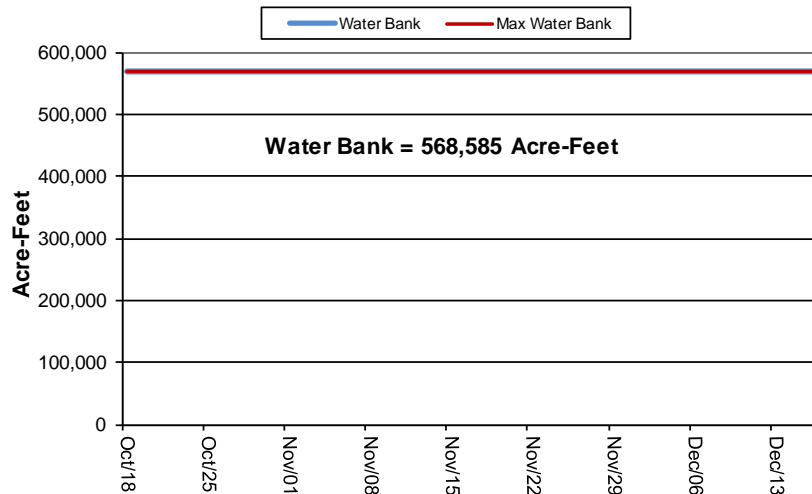


# CCSF Total Releases and Diversions

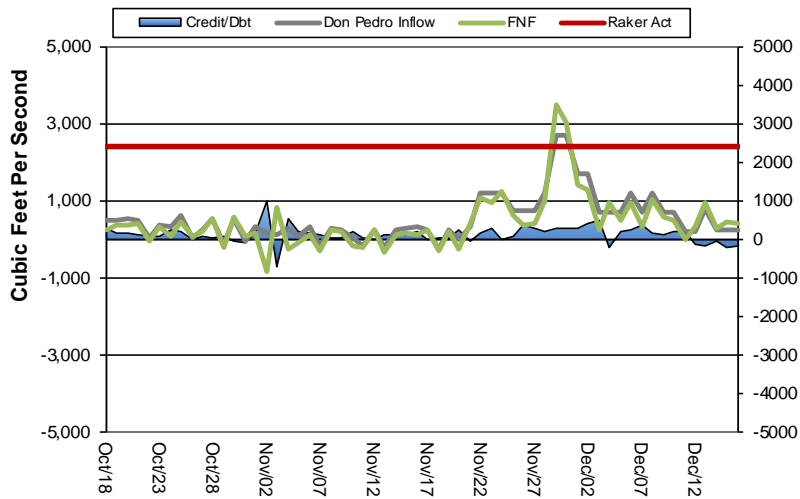




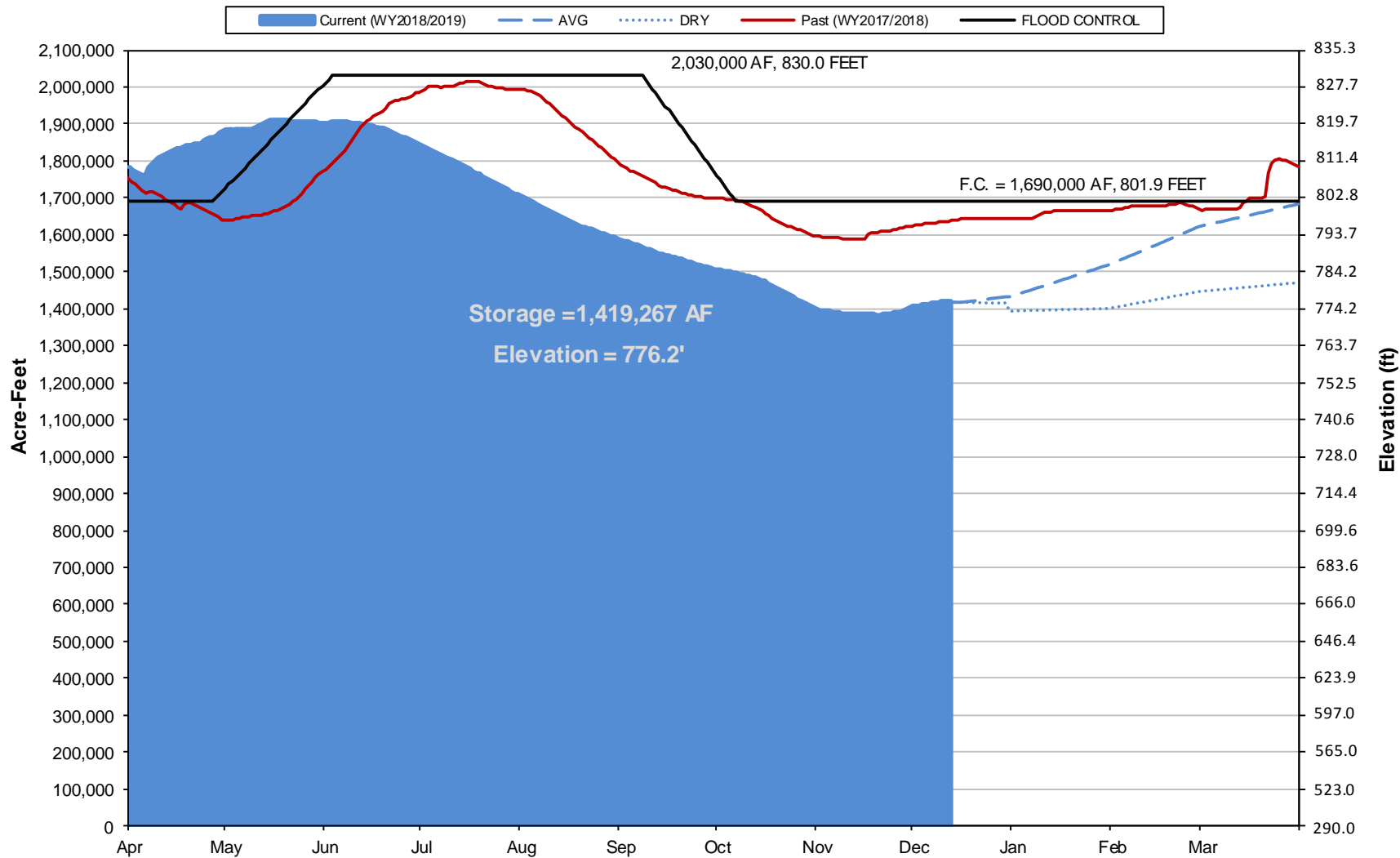
# Don Pedro Water Bank



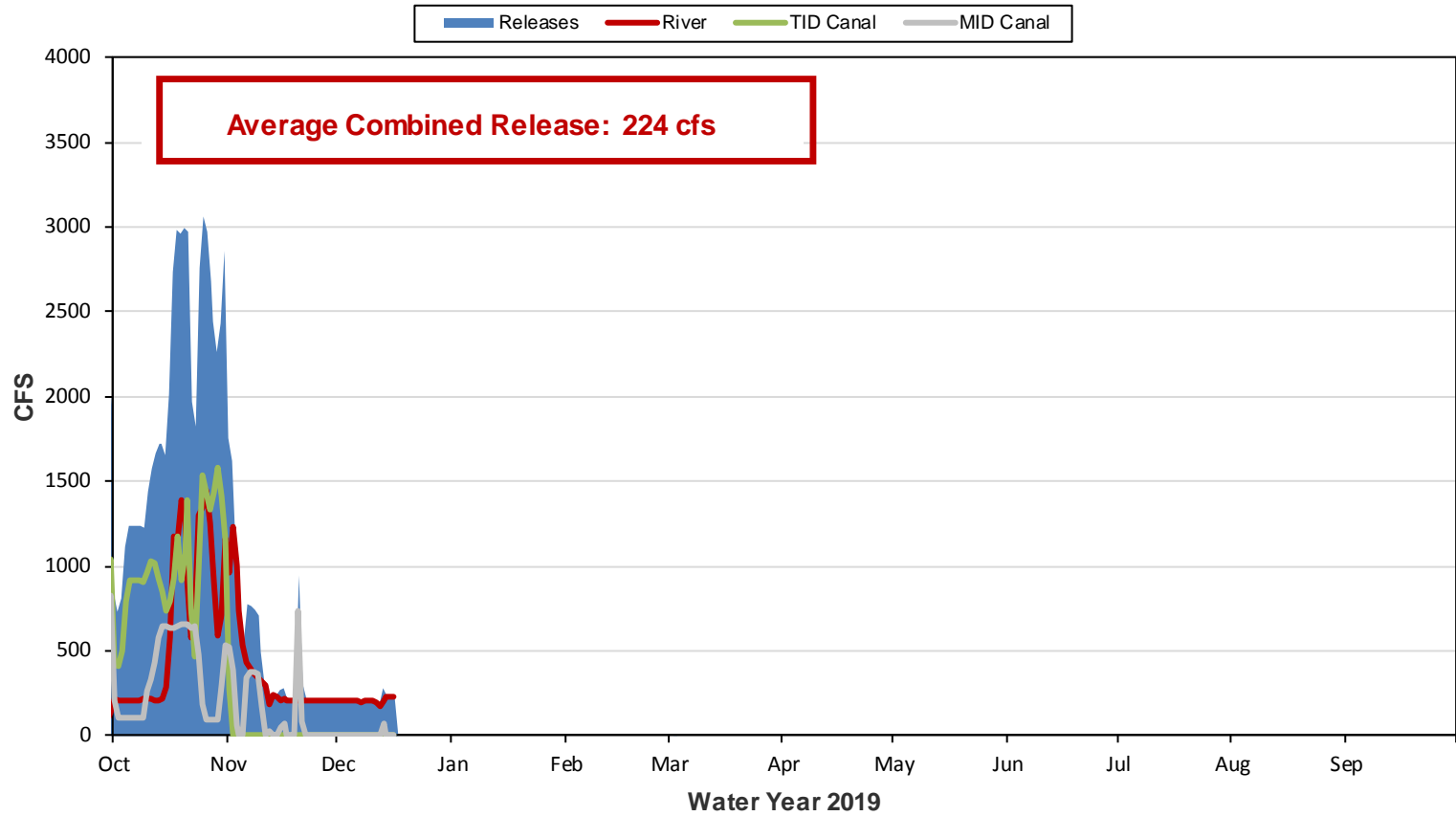
# Water Bank Credit/Debit



# DON PEDRO STORAGE



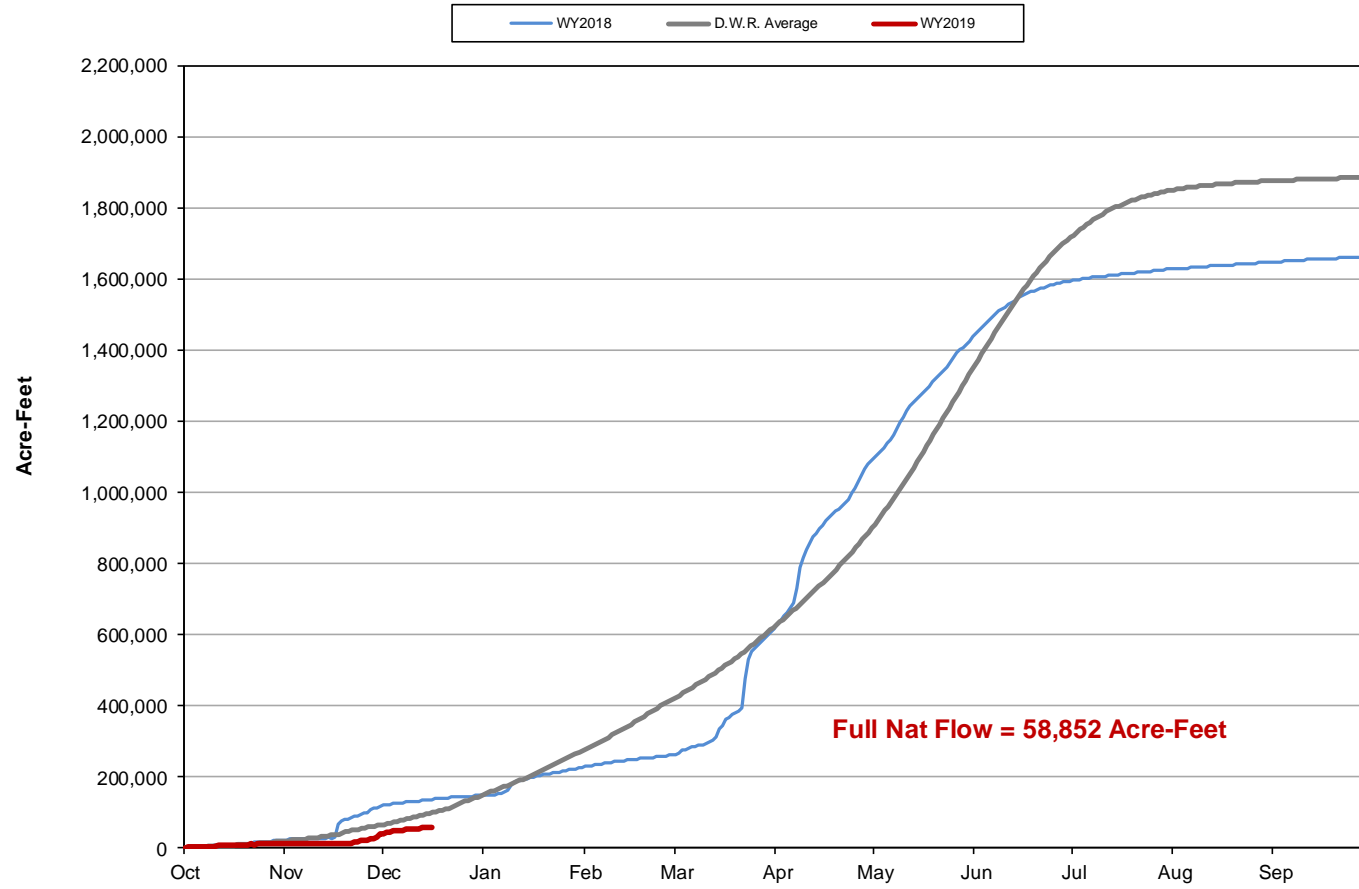
# Don Pedro Releases



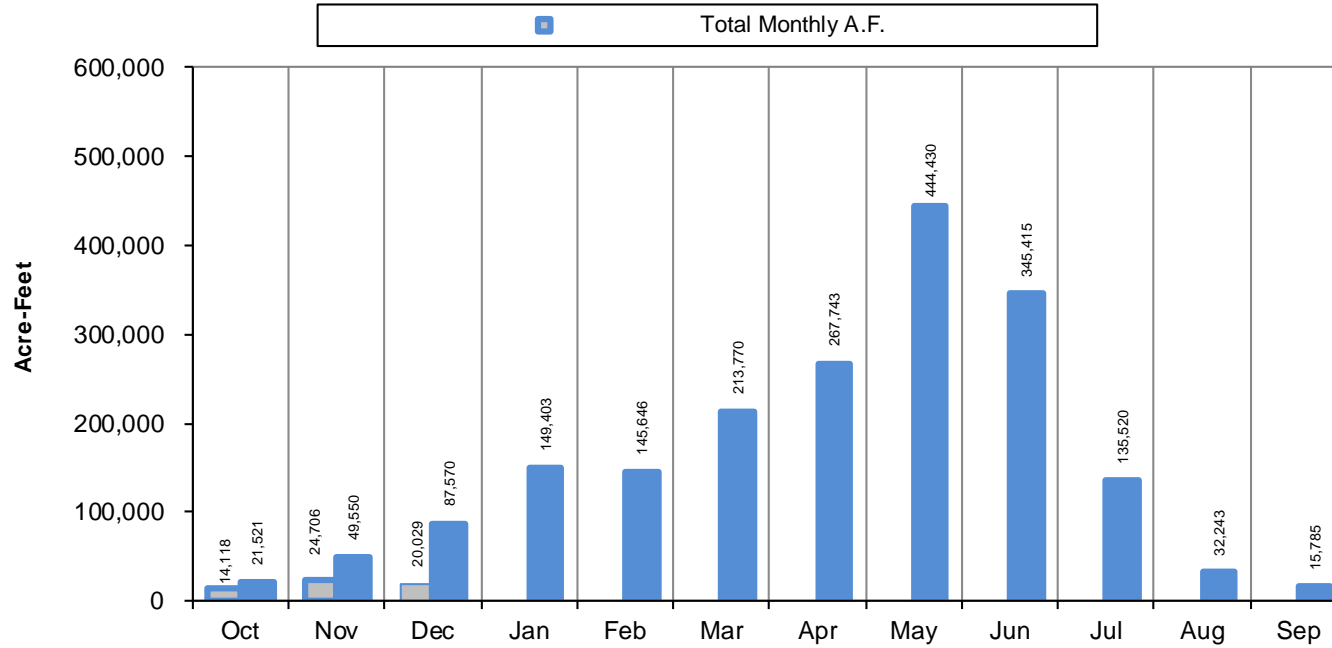
## WY2019 Computed Natural Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
---	-	-	-	-	-	-	-	-	-	-	-	-
DAY	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS
---	-	-	-	-	-	-	-	-	-	-	-	-
1	409	168	1,414									
2	210	(831)	1,290									
3	130	828	224									
4	608	(252)	930									
5	102	(110)	496									
6	23	130	950									
7	283	(311)	321									
8	632	234	1,039									
9	(153)	202	582									
10	319	(182)	497									
11	372	(207)	(8)									
12	42	240	303									
13	(75)	(341)	949									
14	790	127	272									
15	128	165	446									
16	(27)	92	393									
17	(28)	244										
18	235	(287)										
19	347	200										
20	378	(253)										
21	410	391										
22	(38)	1,066										
23	328	936										
24	90	1,240										
25	429	628										
26	71	377										
27	196	423										
28	507	1,005										
29	(204)	3,493										
30	548	3,039										
31	54											
	-	-	-	-	-	-	-	-	-	-	-	-
Average C.F.S.	230	415	631									
Total Monthly A.F.	14,118	24,706	20,029									
DWR 50 YR Average A.F.	22,000	50,000	88,000	149,000	146,000	214,000	268,000	444,000	345,000	136,000	32,000	16,000
<b>Total Oct-Sept Computed Natural Flow=</b>		<b>58,852</b>	<b>A.F.</b>						<b>APR-JLY = 0</b>		<b>A.F.</b>	
<b>Remaining =</b>		<b>1,851,148</b>							<b>Remaining : 1,193,000</b>			

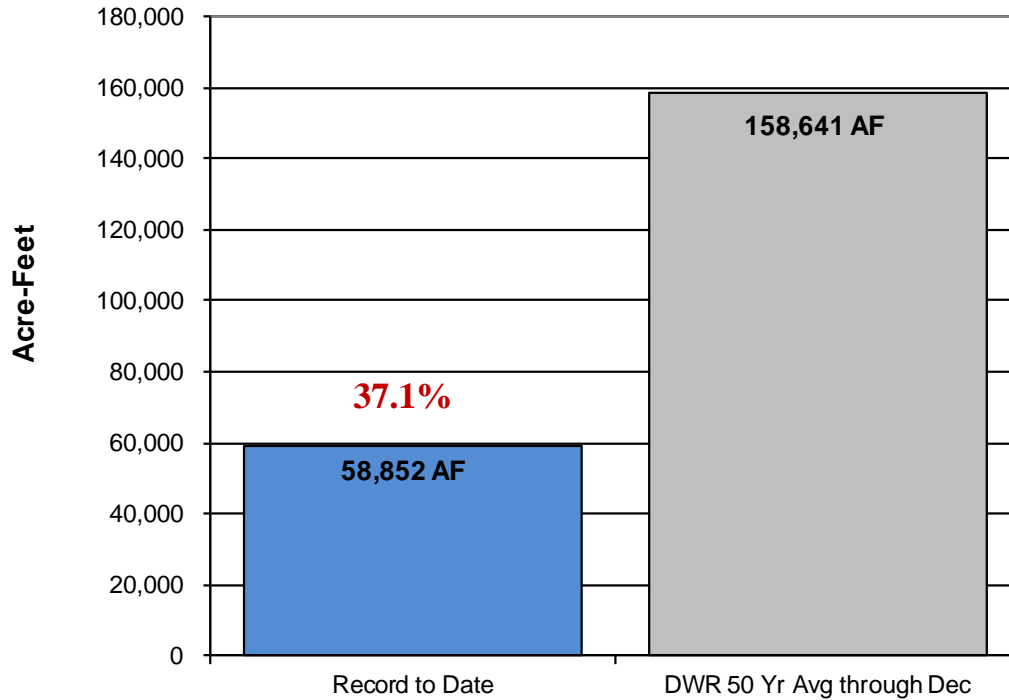
# Accumulated Full Natural Flow



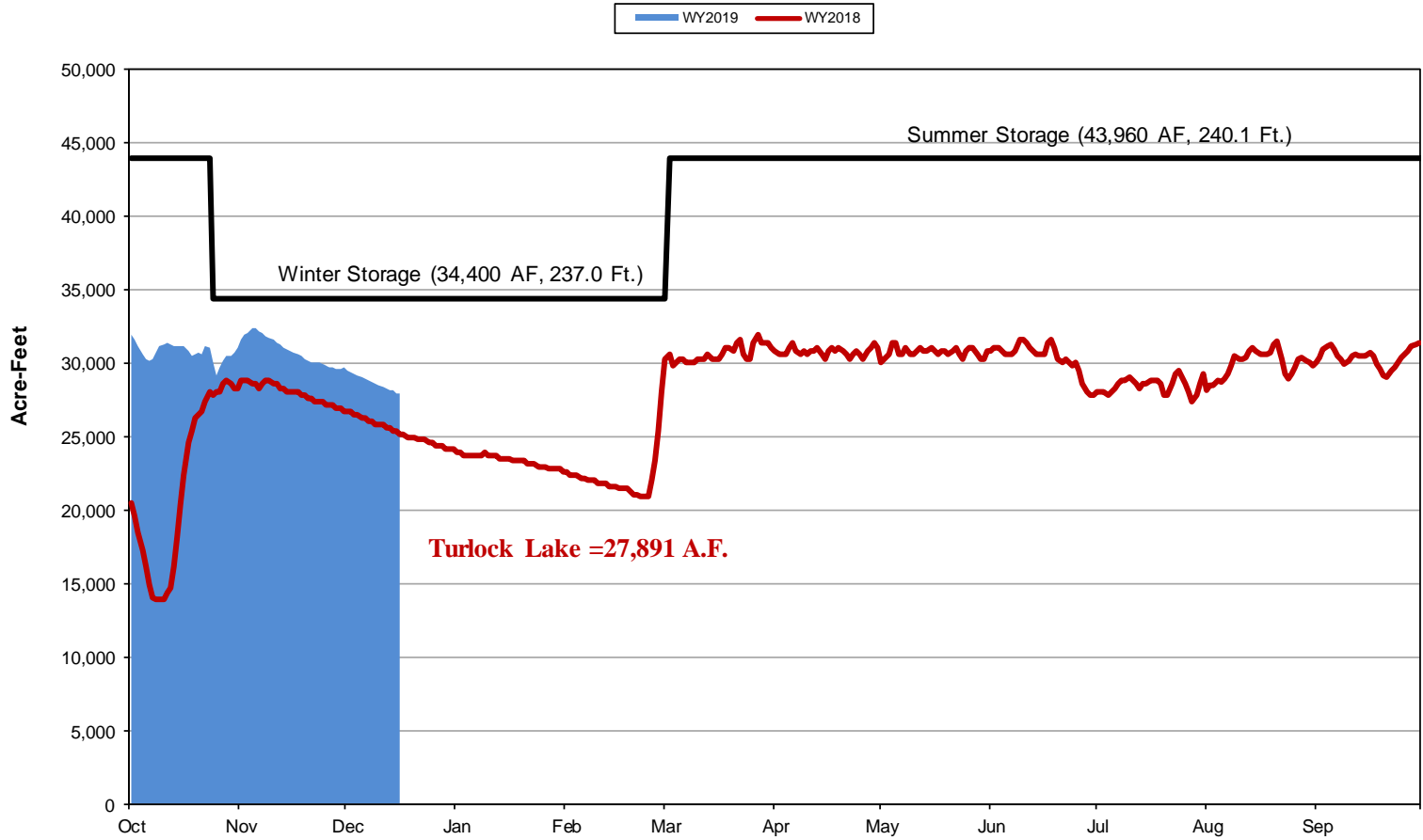
# WY 2019 Monthly Full Natural Flow Distribution



# WY2019 Computed Natural Flow to Date



# Turlock Lake Storage





WEEKLY WATERSHED STATUS REPORT

12/16/2018

	This Week	Week Ago	Last Year
	-	-	-
Don Pedro Reservoir Elevation:	776.2	776.0	797.6
Don Pedro Reservoir Storage:	1,419,267	1,417,298	1,642,380
<b>Storage in Acre Feet:</b>			
Don Pedro (TID Net)	760,089	758,741	912,832
Don Pedro (MID Net)	350,178	349,557	420,548
Turlock Lake	27,891	28,557	25,190
Total TID	787,980	787,298	938,022
Hetch Hetchy Reservoir	250,371	253,831	324,720
Cherry Valley Reservoir	209,559	210,373	7,402
Lake Eleanor Reservoir	16,210	16,124	25,309

# Questions?



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