

# Water Report

January 16, 2018

- Weather Forecast
- Status of Watershed
- CCSF Reservoir Storage and Operations
- Don Pedro Reservoir Storage and Operations



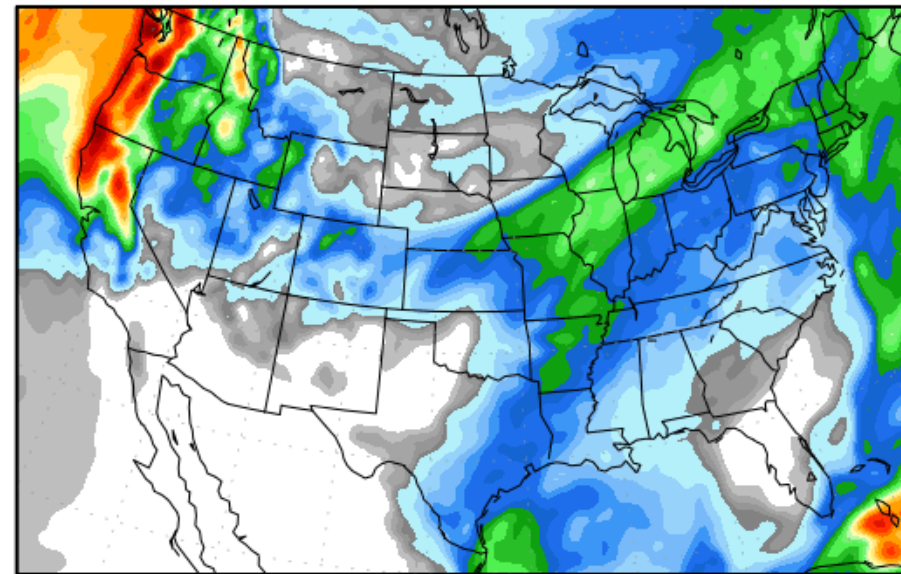
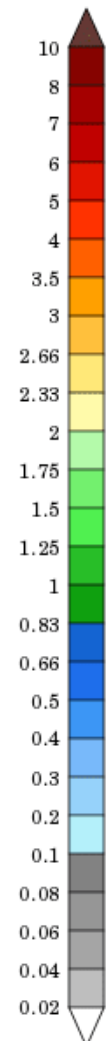
# Precipitation Forecasts

Precipitation (in)  
during the period:

Mon, 15 JAN 2018 at 12Z

-to-

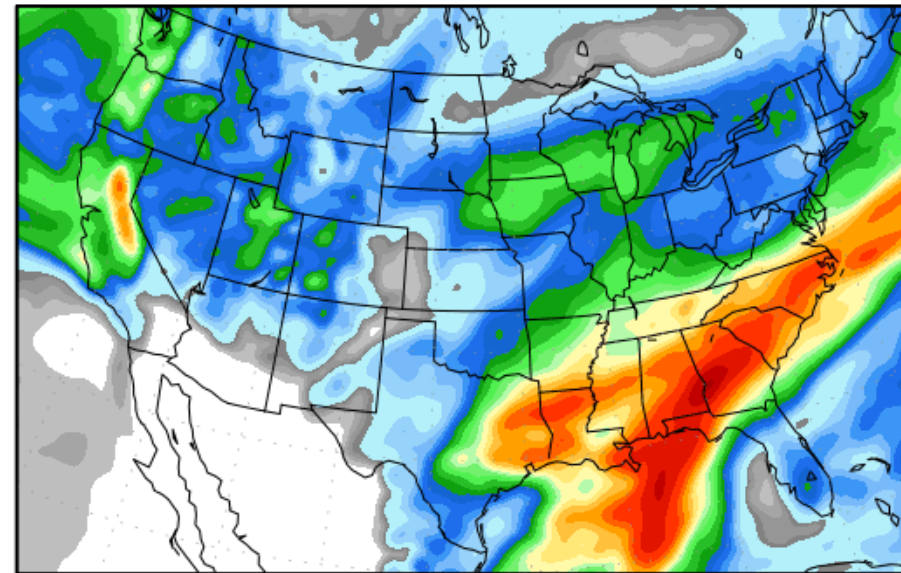
Tue, 23 JAN 2018 at 12Z



Tue, 23 JAN 2018 at 12Z

-to-

Wed, 31 JAN 2018 at 12Z

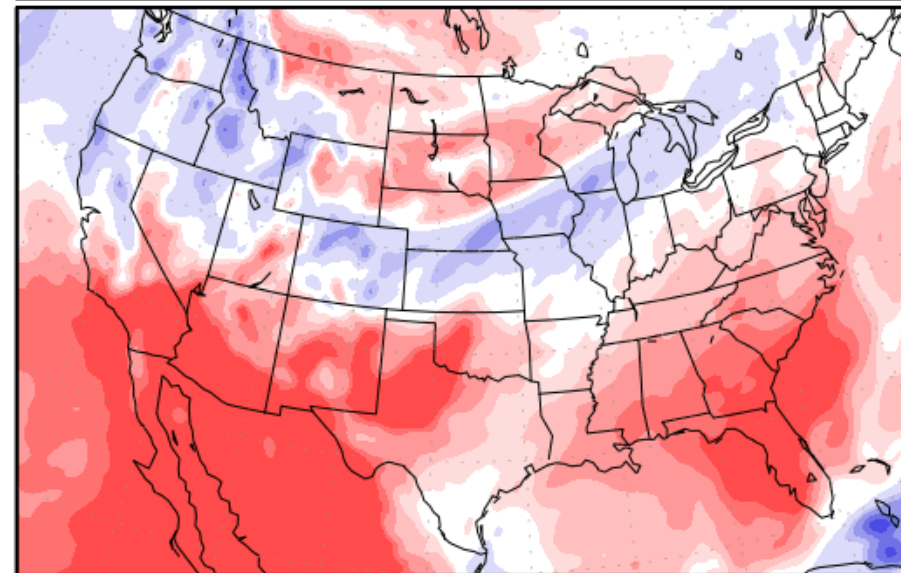
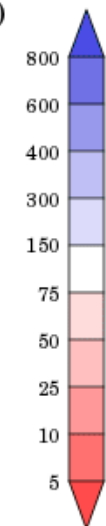


Precipitation (% of normal)  
during the first period:

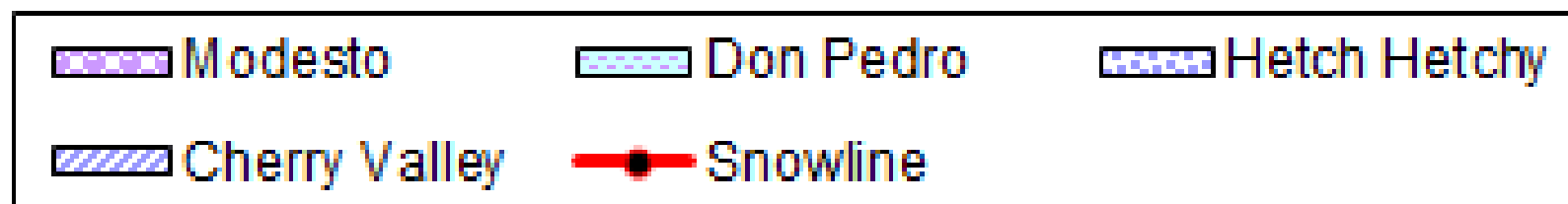
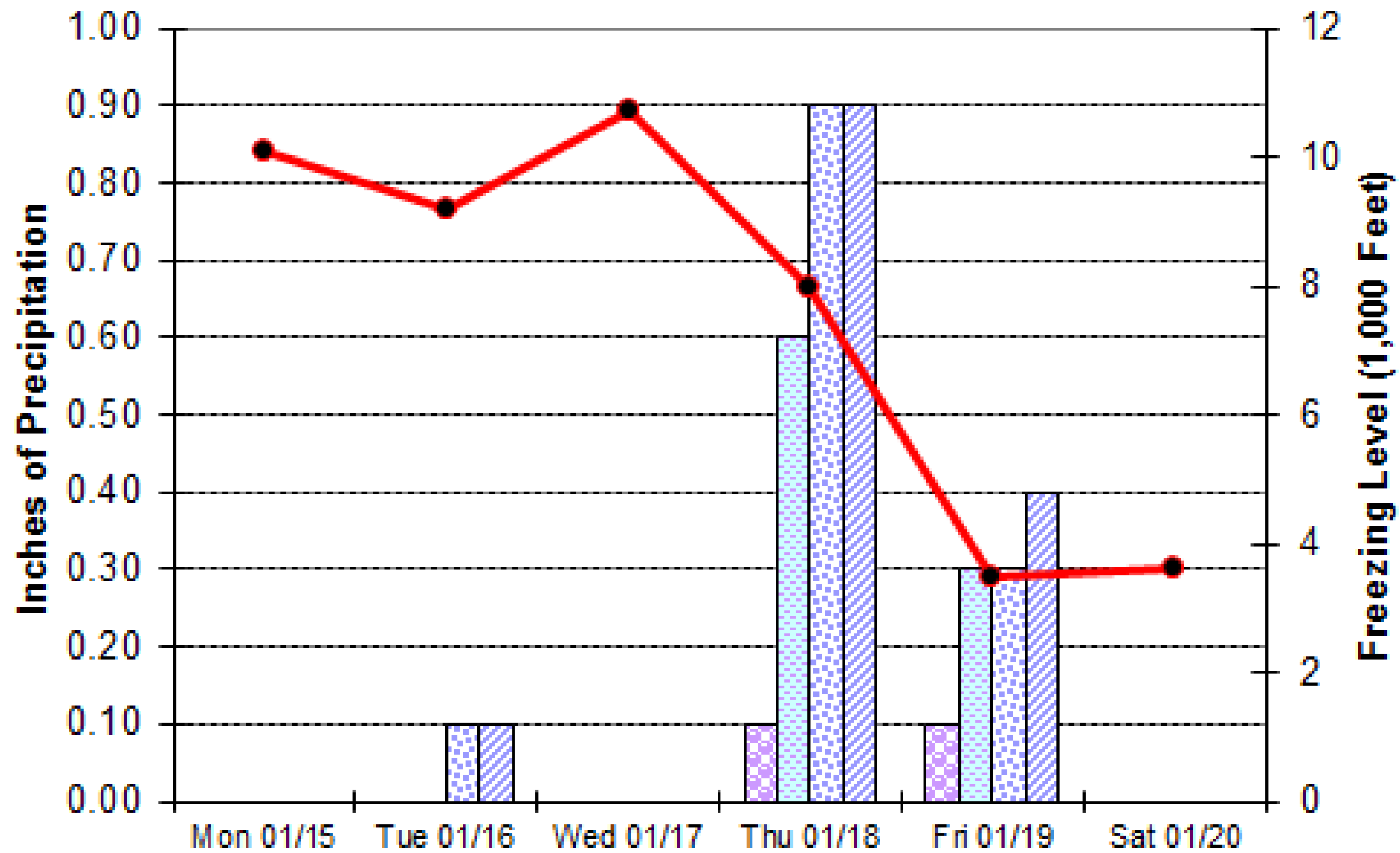
Mon, 15 JAN 2018 at 12Z

-to-

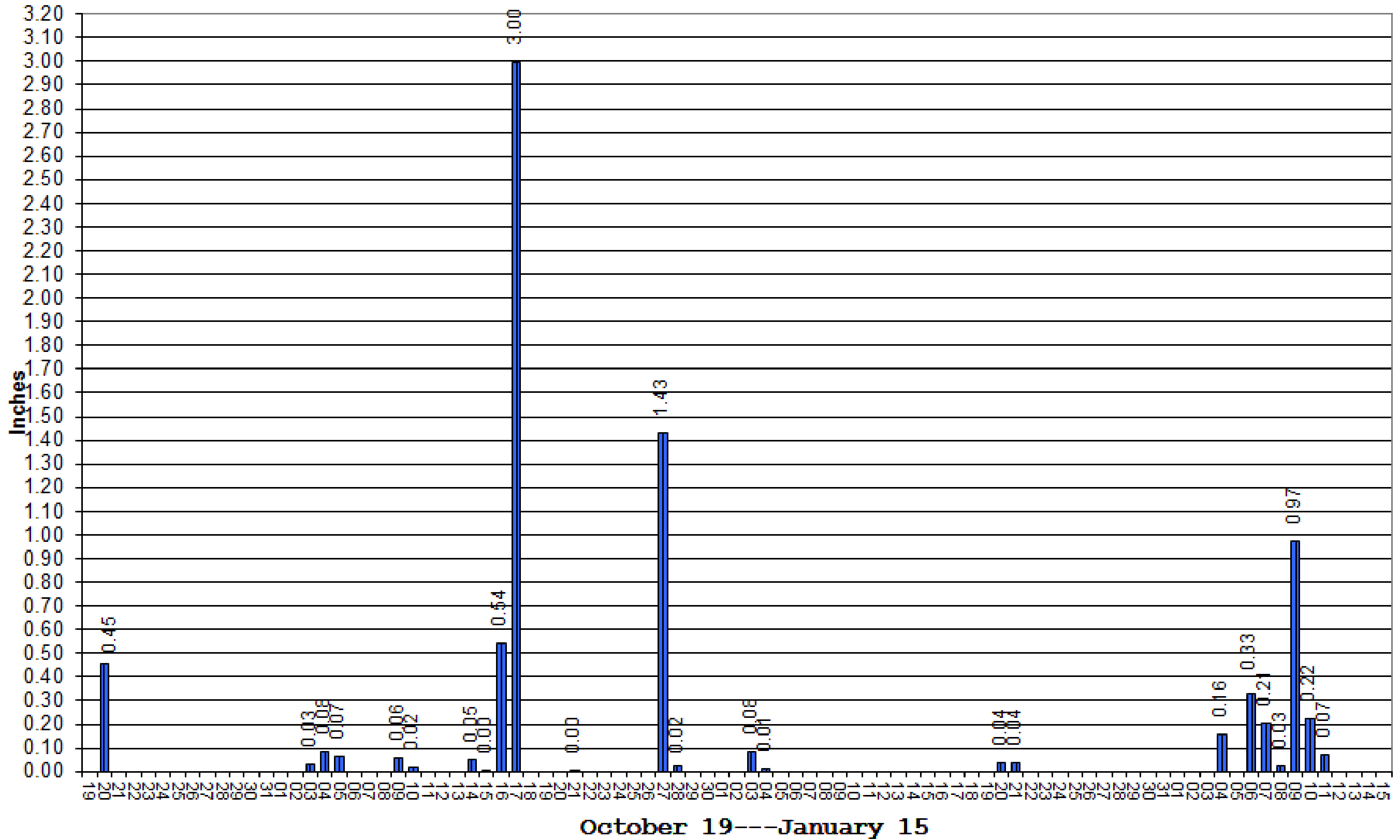
Tue, 23 JAN 2018 at 12Z



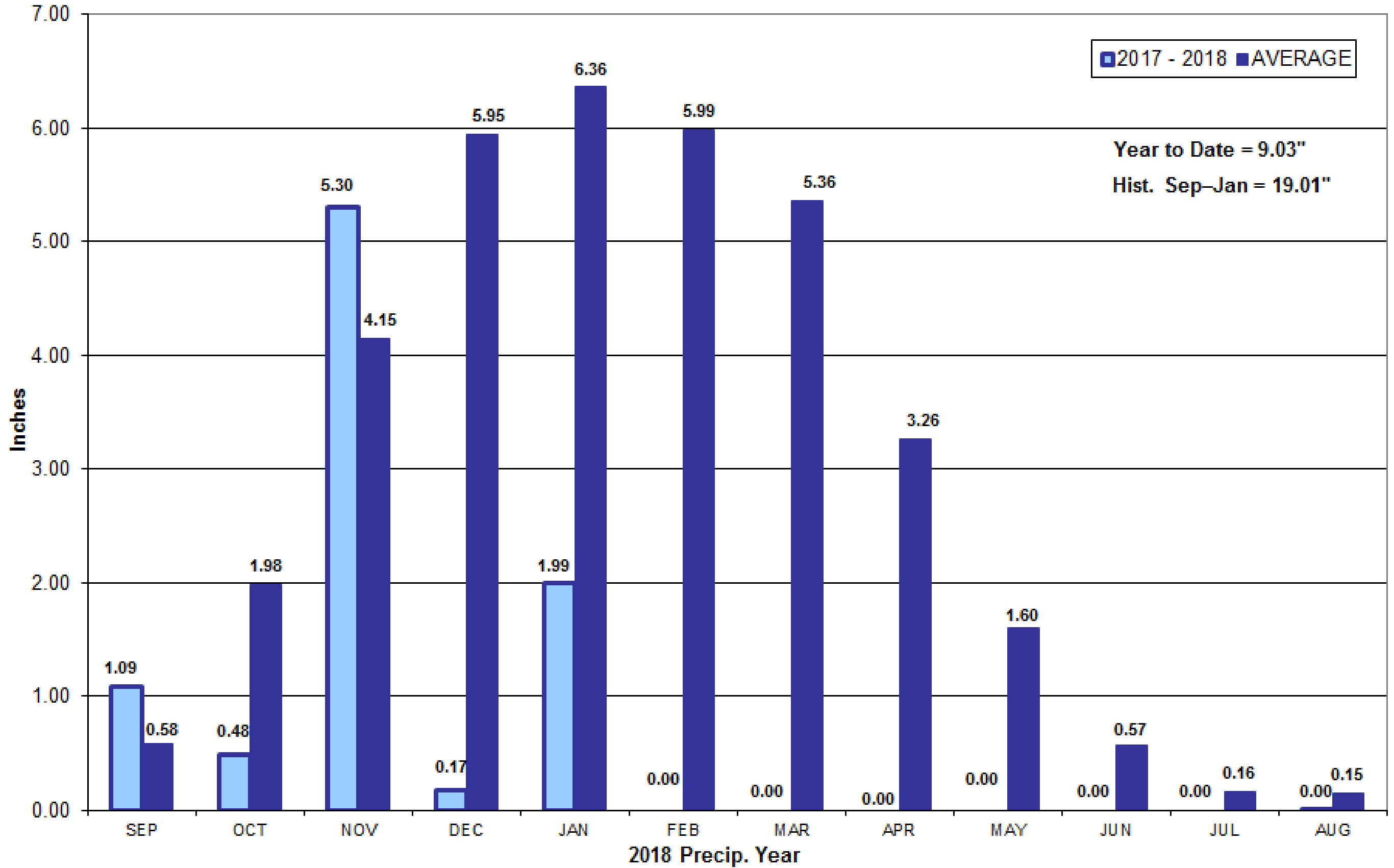
Precipitation forecasts from the National Centers for Environmental Prediction.  
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.  
Forecast Initialization Time: 12Z15JAN2018



# Watershed Daily Precipitation

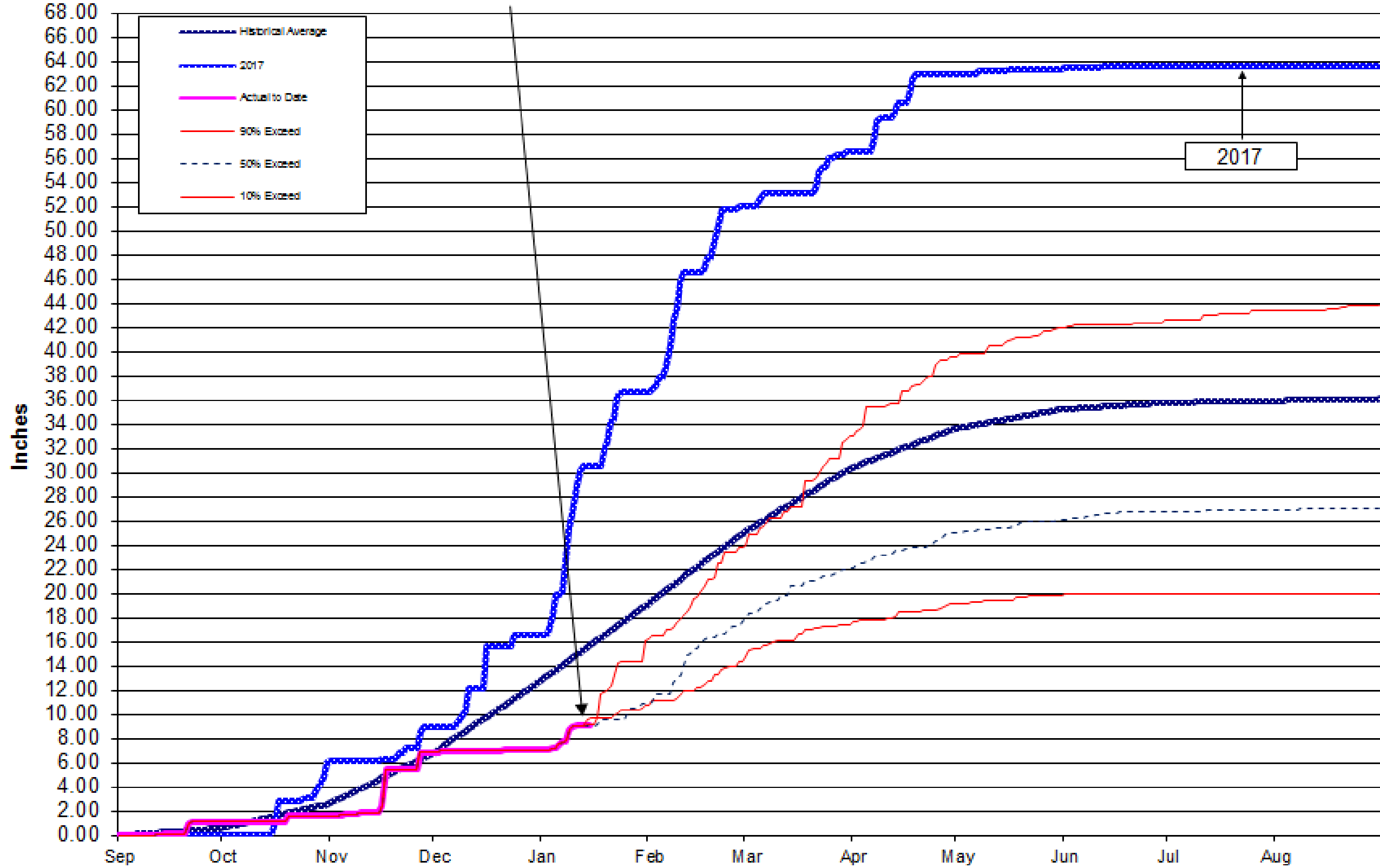


# Tuolumne River Watershed Monthly Accumulation of Precipitation

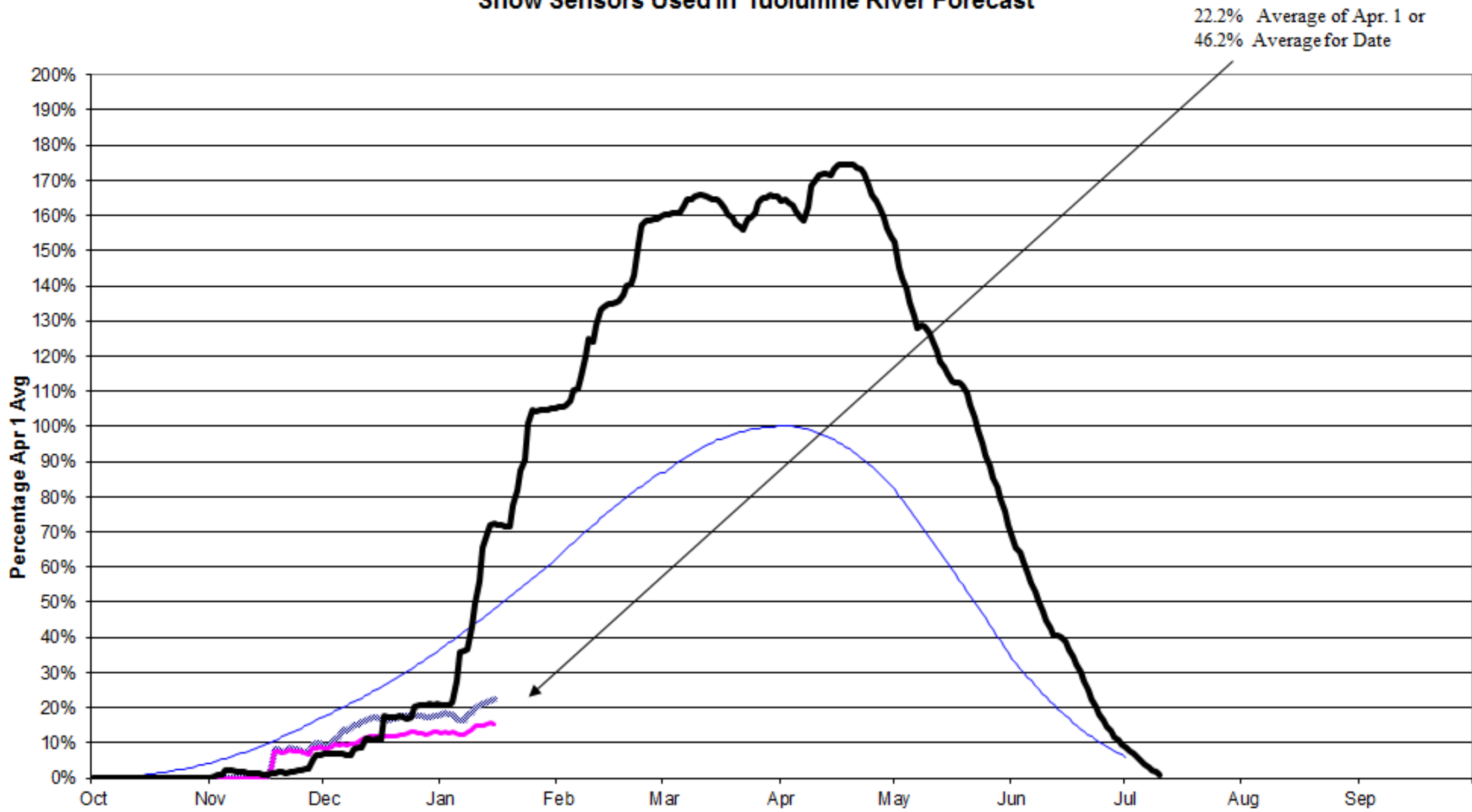


# Tuolumne River Watershed Accumulated Precipitation

9.03 Inches or 57.4% for this date



### Snow Sensors Used in Tuolumne River Forecast



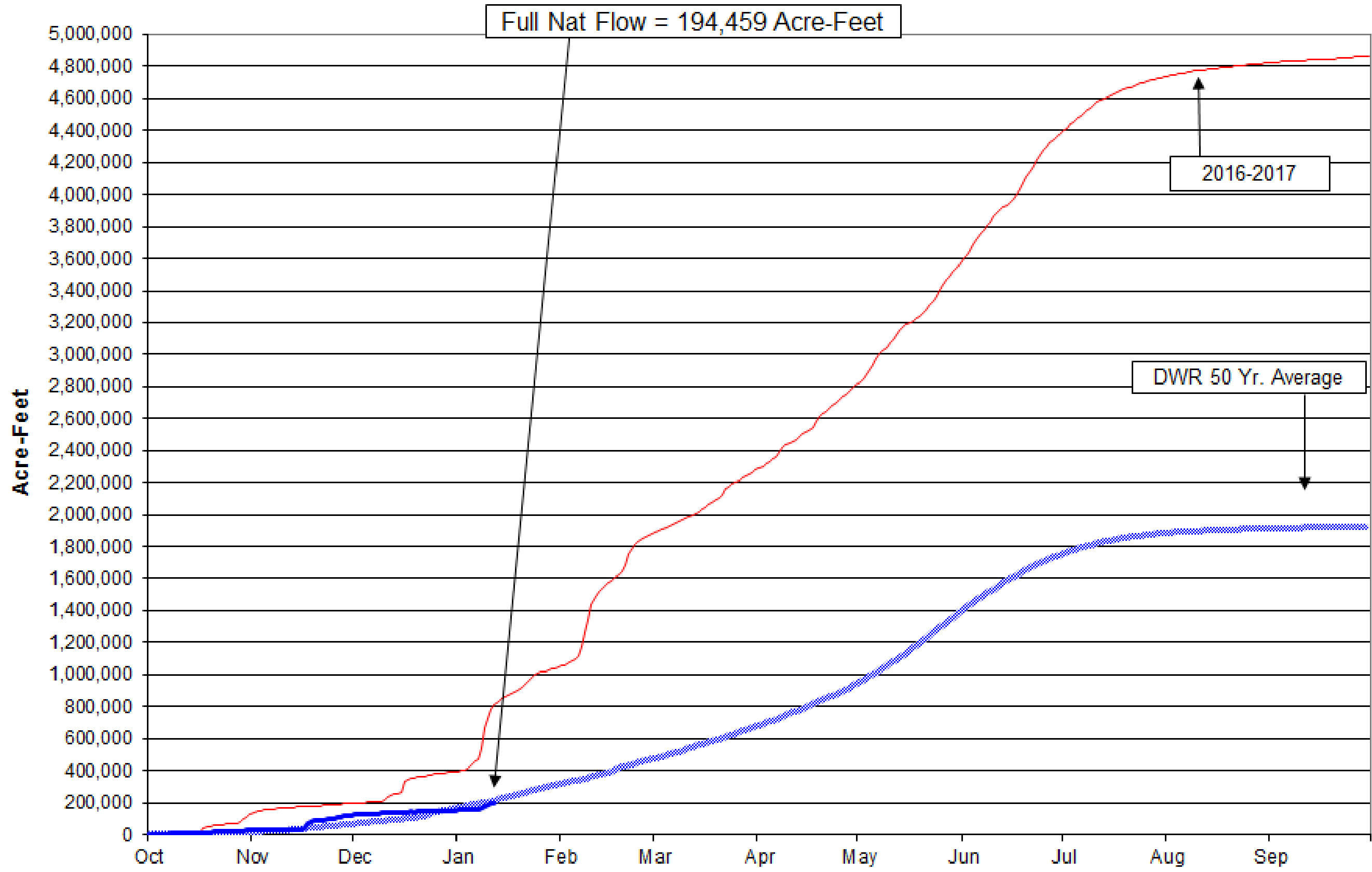
— D.W.R. Average    ··· Tuolumne 2017-2018    — All Courses    — 2016-2017

WY2018 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	(55)	169	1,540	357								
2	593	675	481	423								
3	672	114	897	(181)								
4	91	145	955	376								
5	742	162	658	403								
6	113	524	715	1,250								
7	471	(153)	358	2,202								
8	180	343	663	1,614								
9	363	(201)	980	7,105								
10	1,008	299	381	4,356								
11	19	346	248	2,227								
12	373	333	364	1,333								
13	717	(203)	1,017									
14	(145)	447	370									
15	936	(270)	558									
16	422	2,379	330									
17	429	17,549	315									
18	(23)	4,632	541									
19	444	2,329	(133)									
20	1,110	727	1,018									
21	545	1,657	432									
22	338	1,500	409									
23	257	1,151	(154)									
24	620	1,286	358									
25	339	1,343	966									
26	424	1,612	(146)									
27	384	2,851	510									
28	765	2,399	403									
29	164	1,478	432									
30	488	1,377	363									
31	612		350									
Average C.F.S.	432	1,567	522	1,789								
Total Monthly A.F.	26,569	93,223	32,088	42,579								
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 October-September Computed Natural Flow=</b>				194,459	A.F.				APR-JLY =	0	A.F.	
			Remaining =	1,715,541					Remaining =	1,193,000		

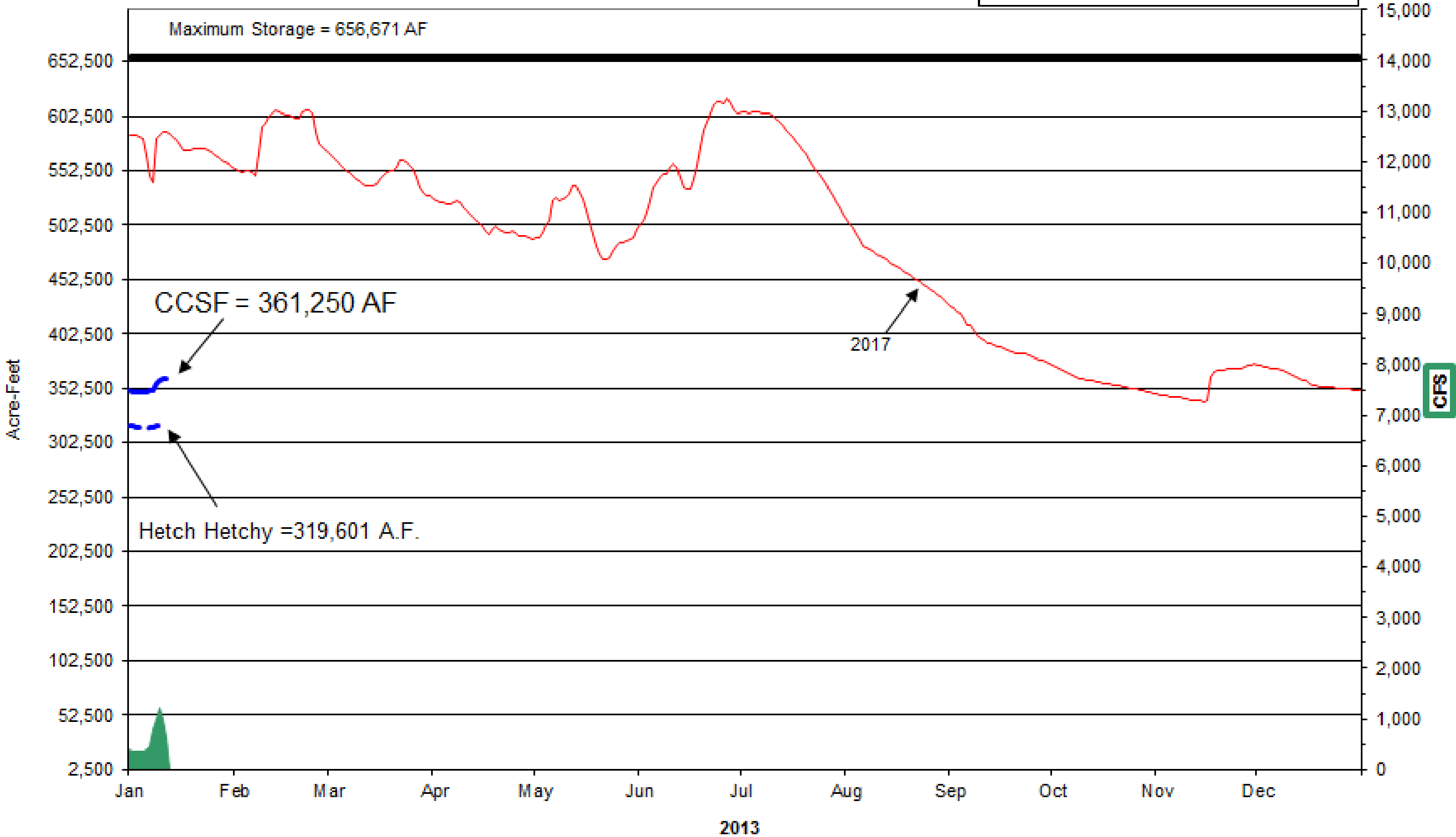


# Full Natural Flow

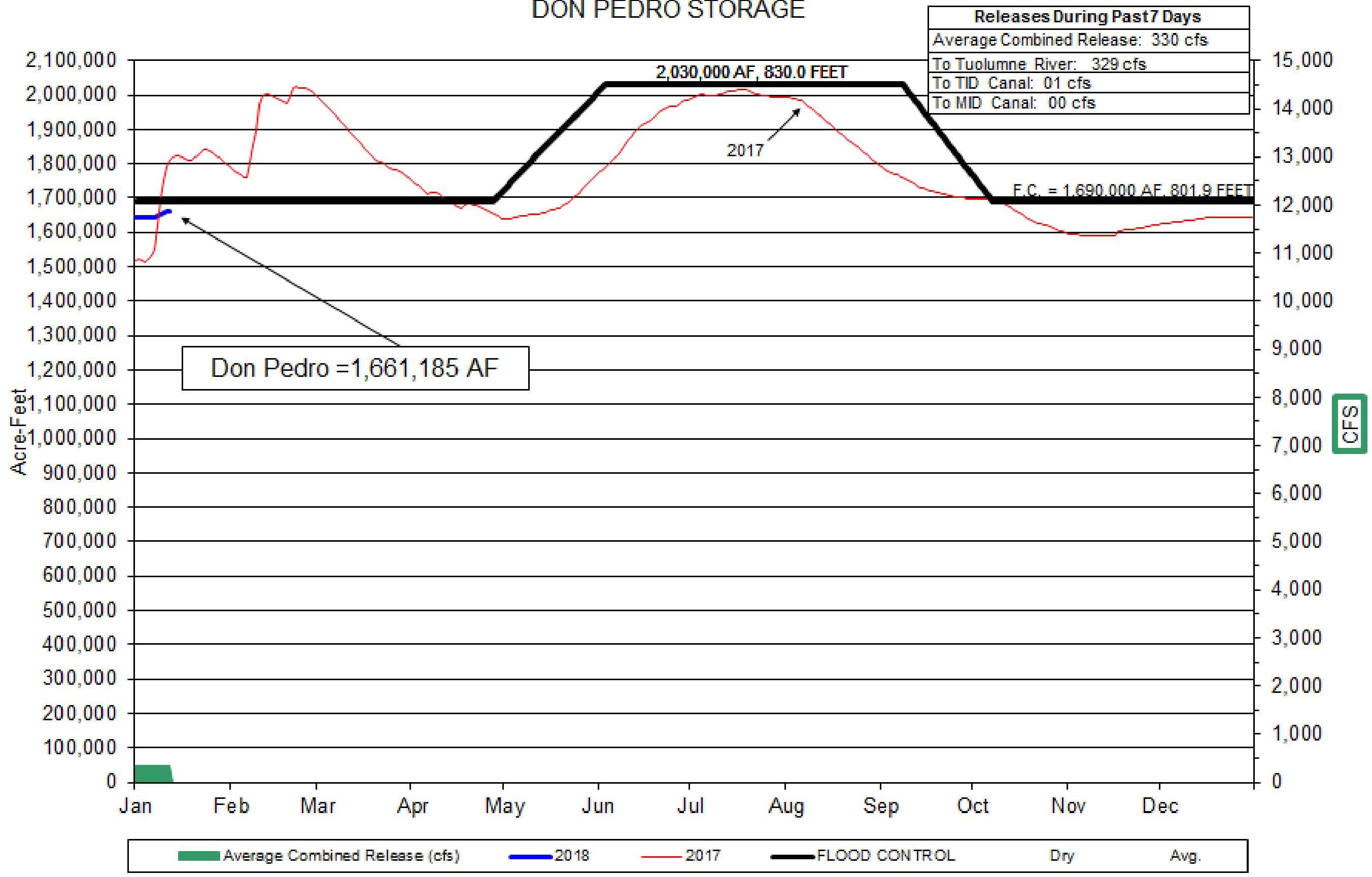


# CCSF Total Storage

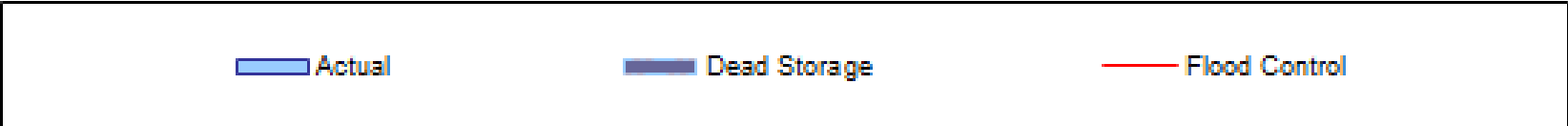
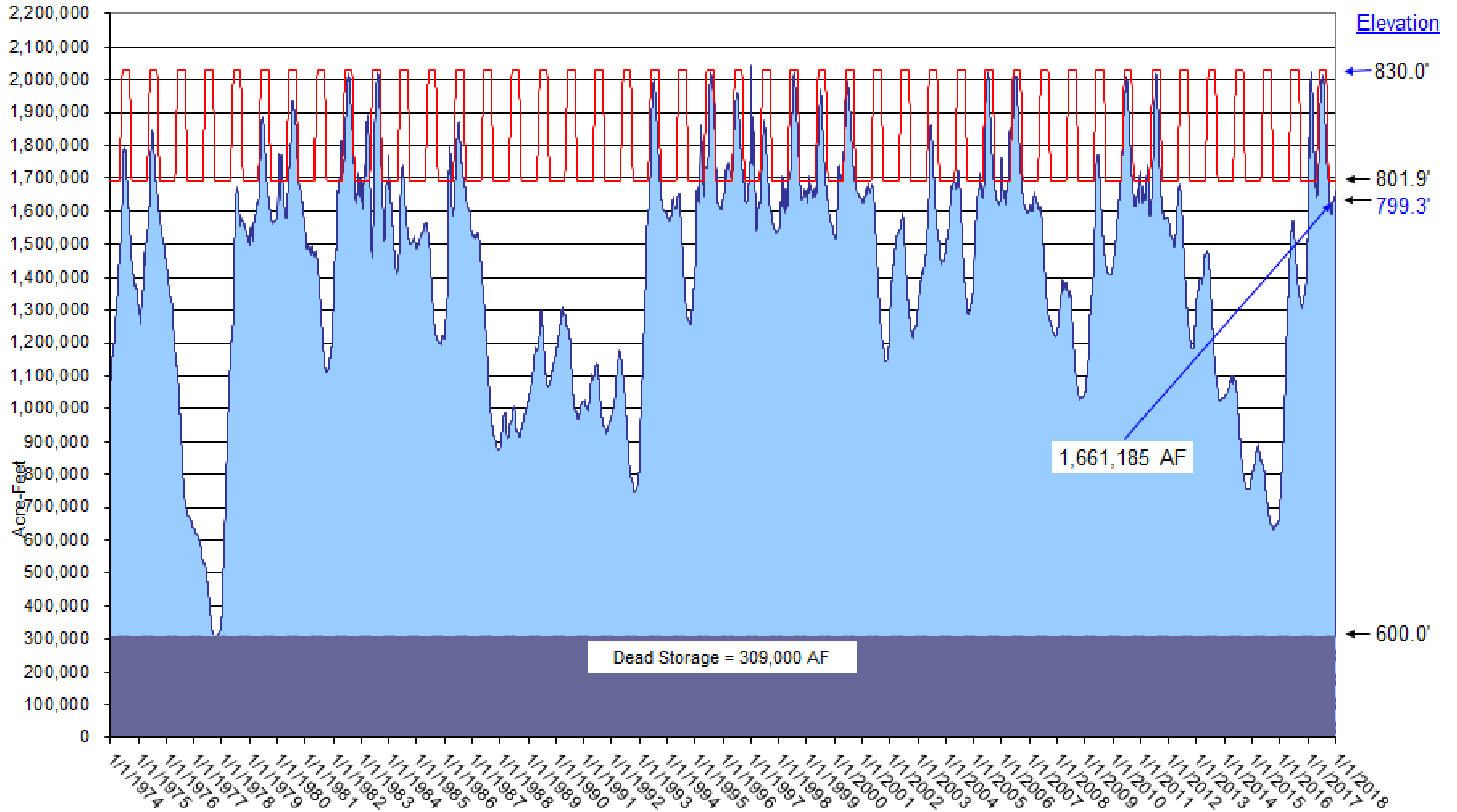
7-Day Average Release: 783 cfs  
7-Day Average Diversion: 275 cfs



# DON PEDRO STORAGE

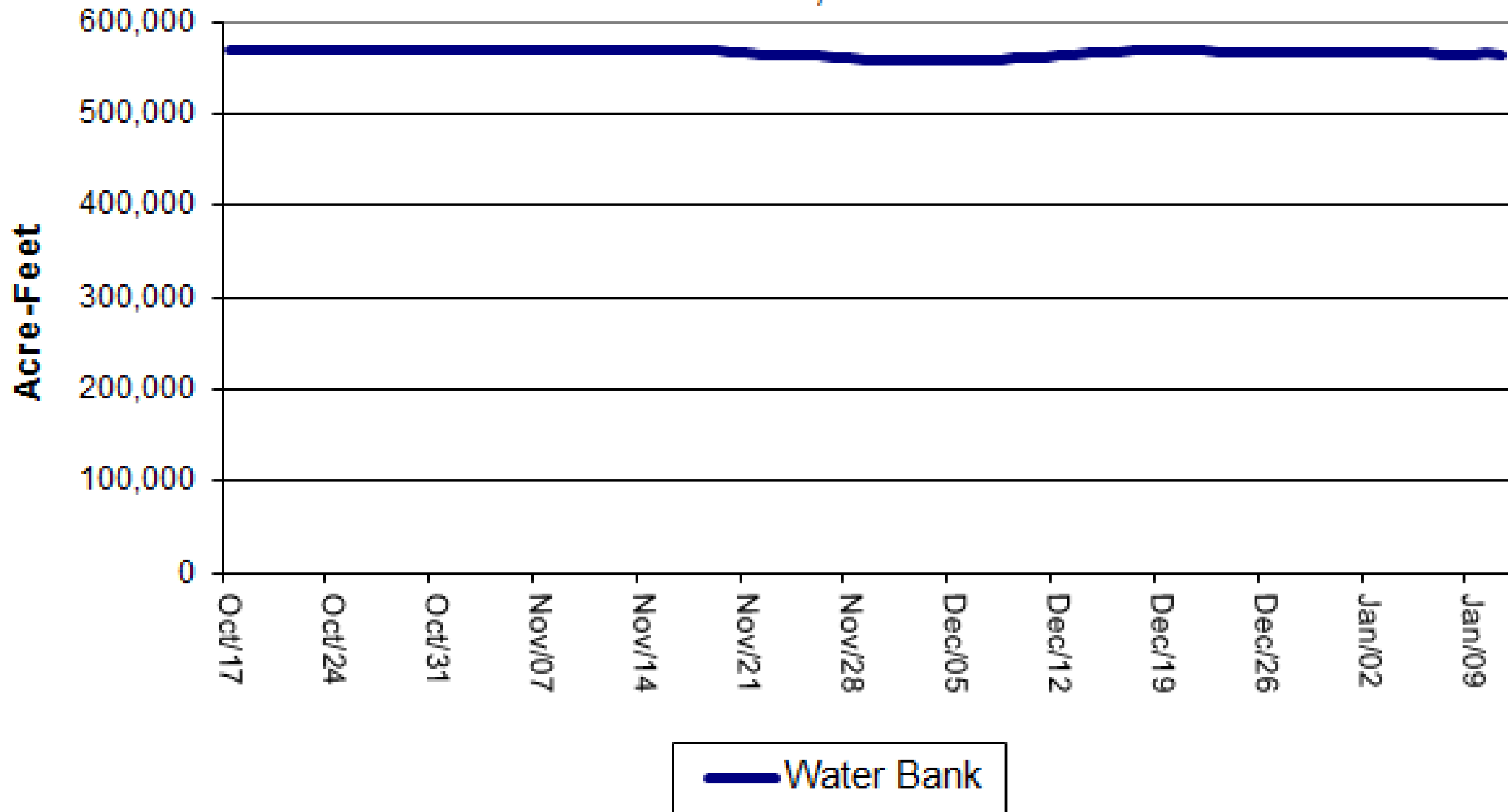


# HISTORIC DON PEDRO STORAGE



# Don Pedro Water Bank

Water Bank = 562,191 Acre-Feet



# Turlock Lake Storage

