

Water Report

April 18, 2017

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



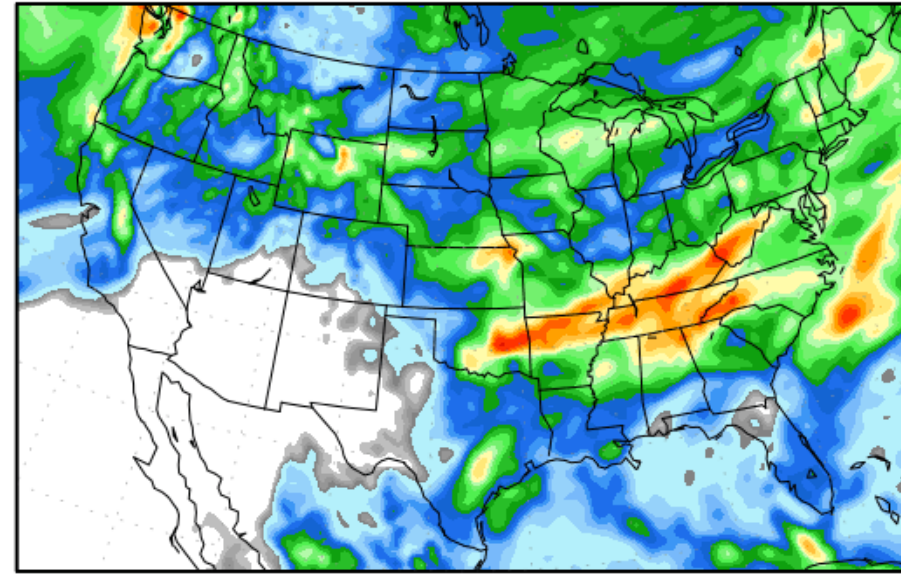
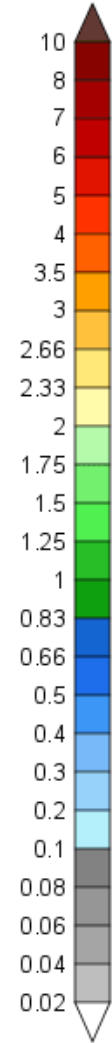
Precipitation Forecasts

Precipitation (in)
during the period:

Mon, 17 APR 2017 at 12Z

-to-

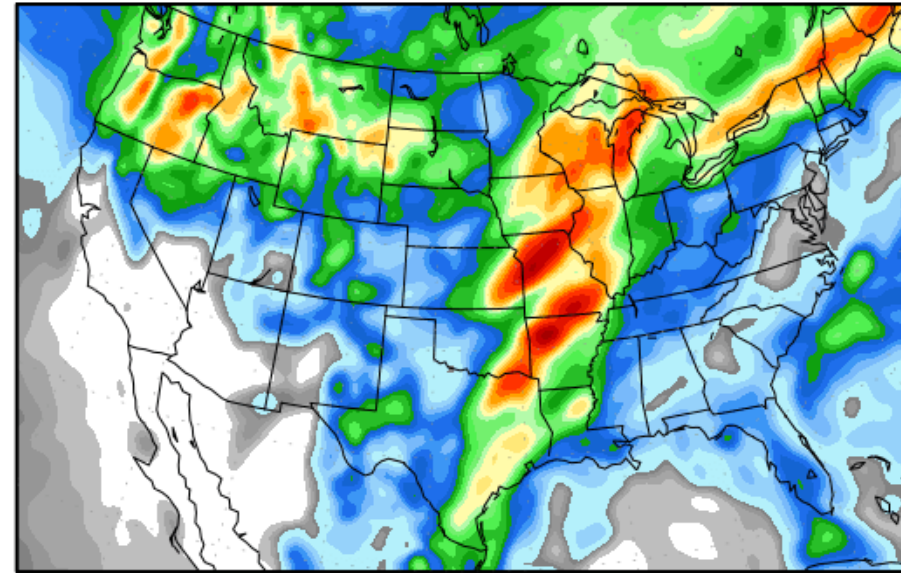
Tue, 25 APR 2017 at 12Z



Tue, 25 APR 2017 at 12Z

-to-

Wed, 03 MAY 2017 at 12Z

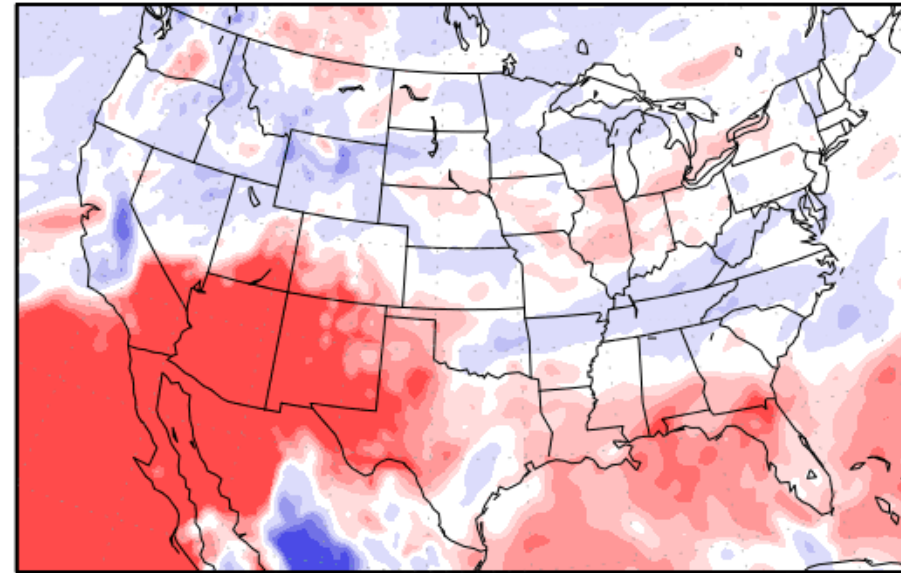
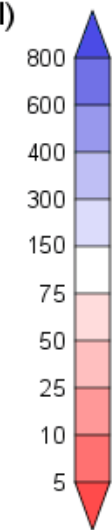


Precipitation (% of normal)
during the first period:

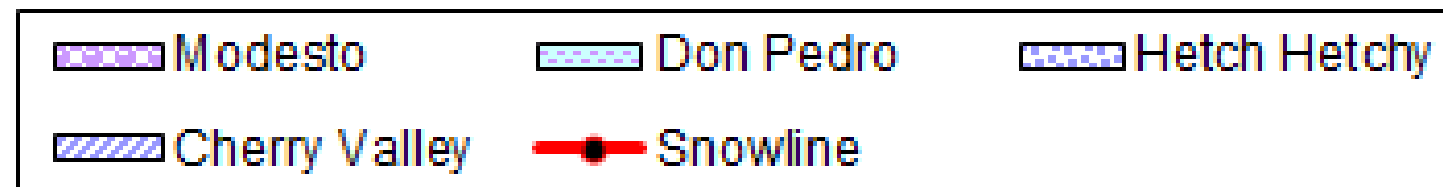
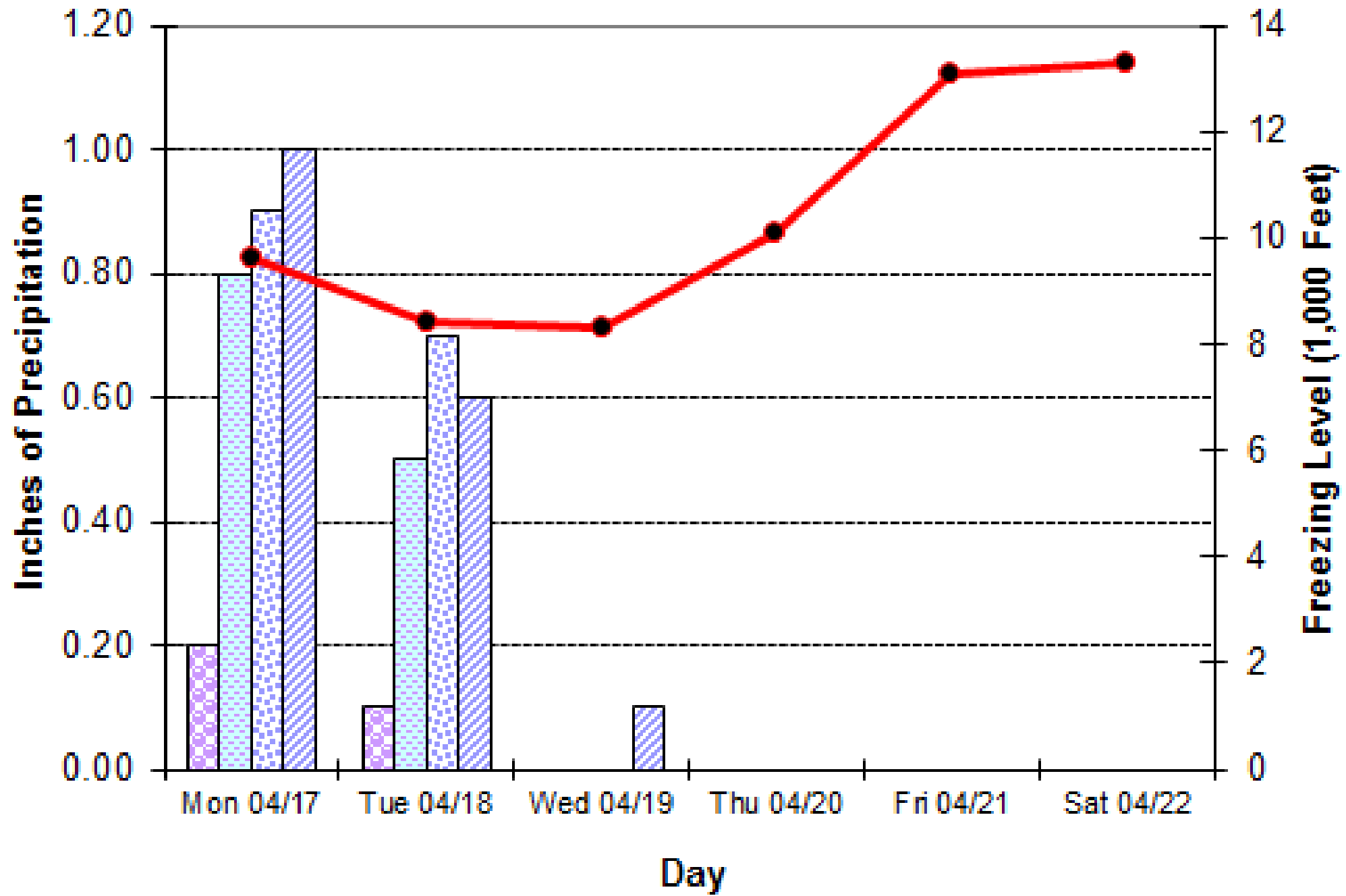
Mon, 17 APR 2017 at 12Z

-to-

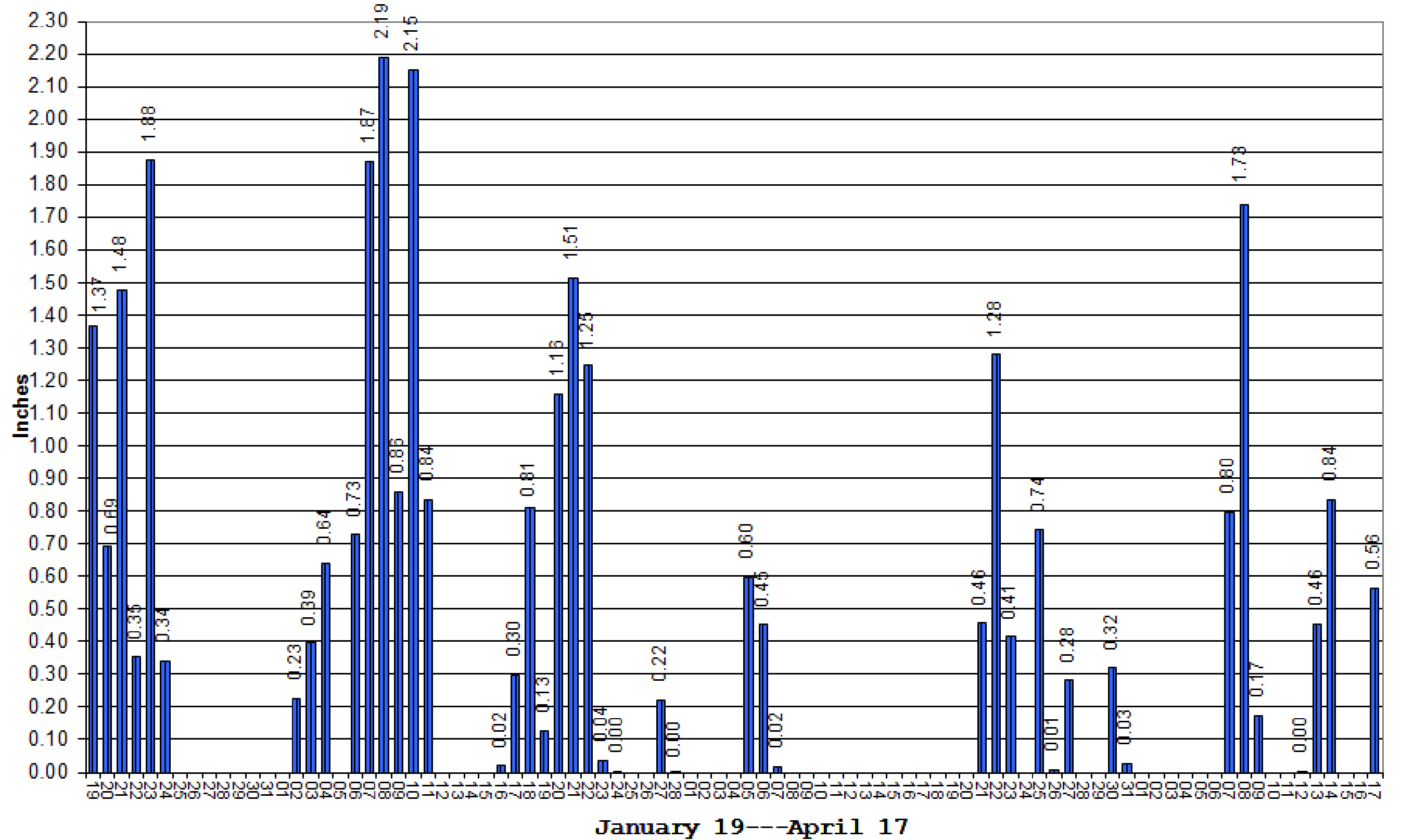
Tue, 25 APR 2017 at 12Z



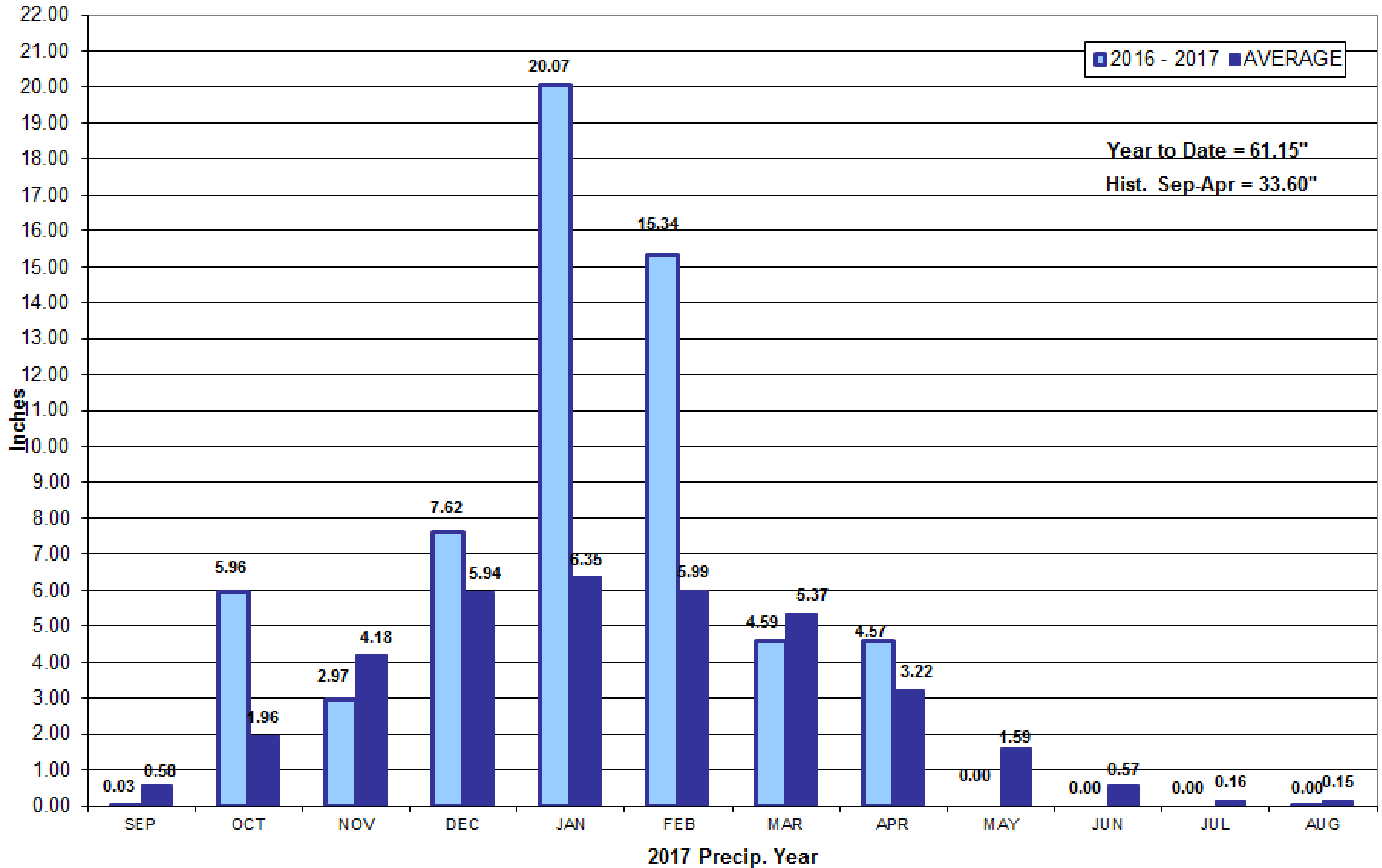
Precipitation forecasts from the National Centers for Environmental Prediction.
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
Forecast Initialization Time: 12Z17APR2017



Watershed Daily Precipitation

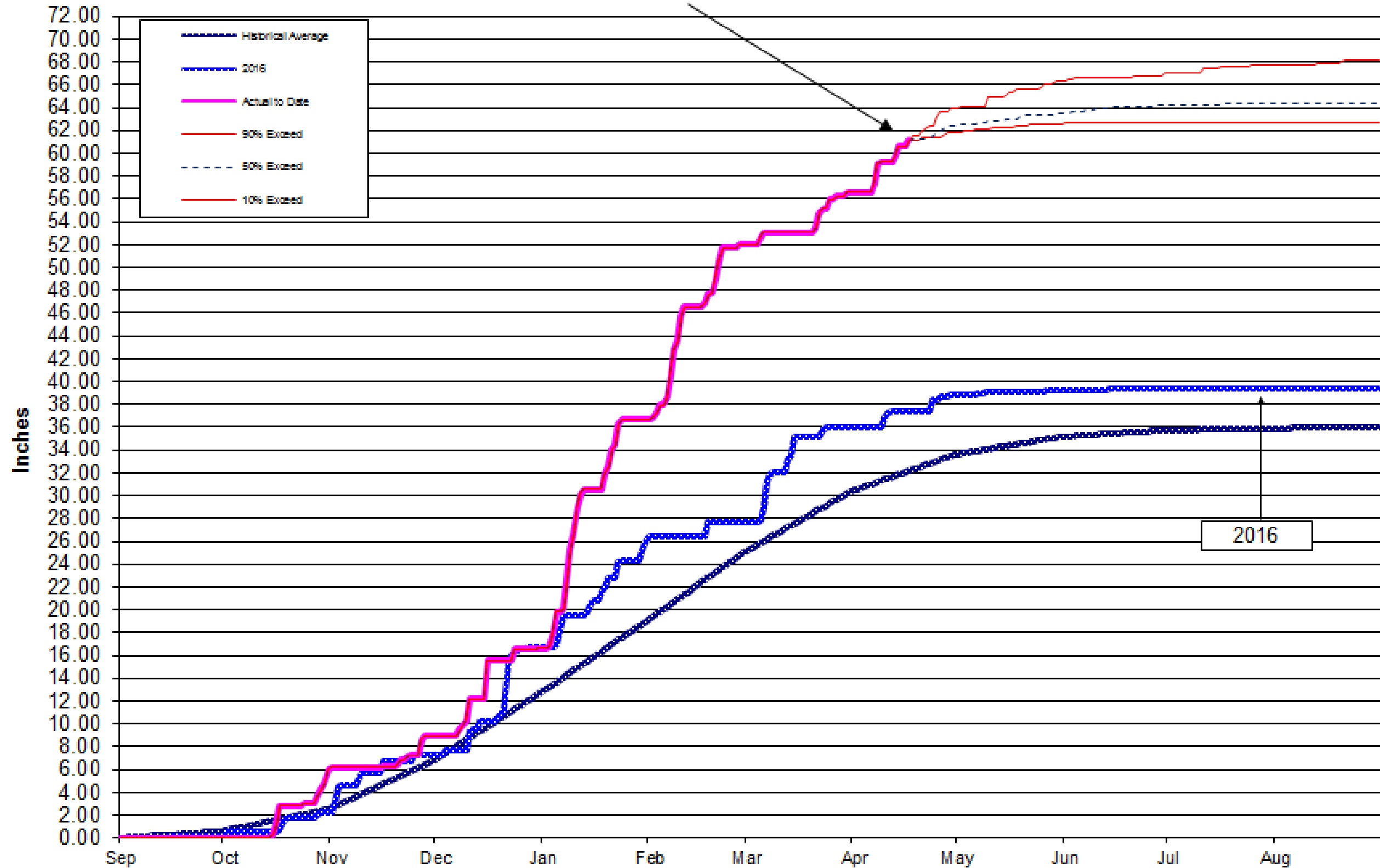


Tuolumne River Watershed Monthly Accumulation of Precipitation

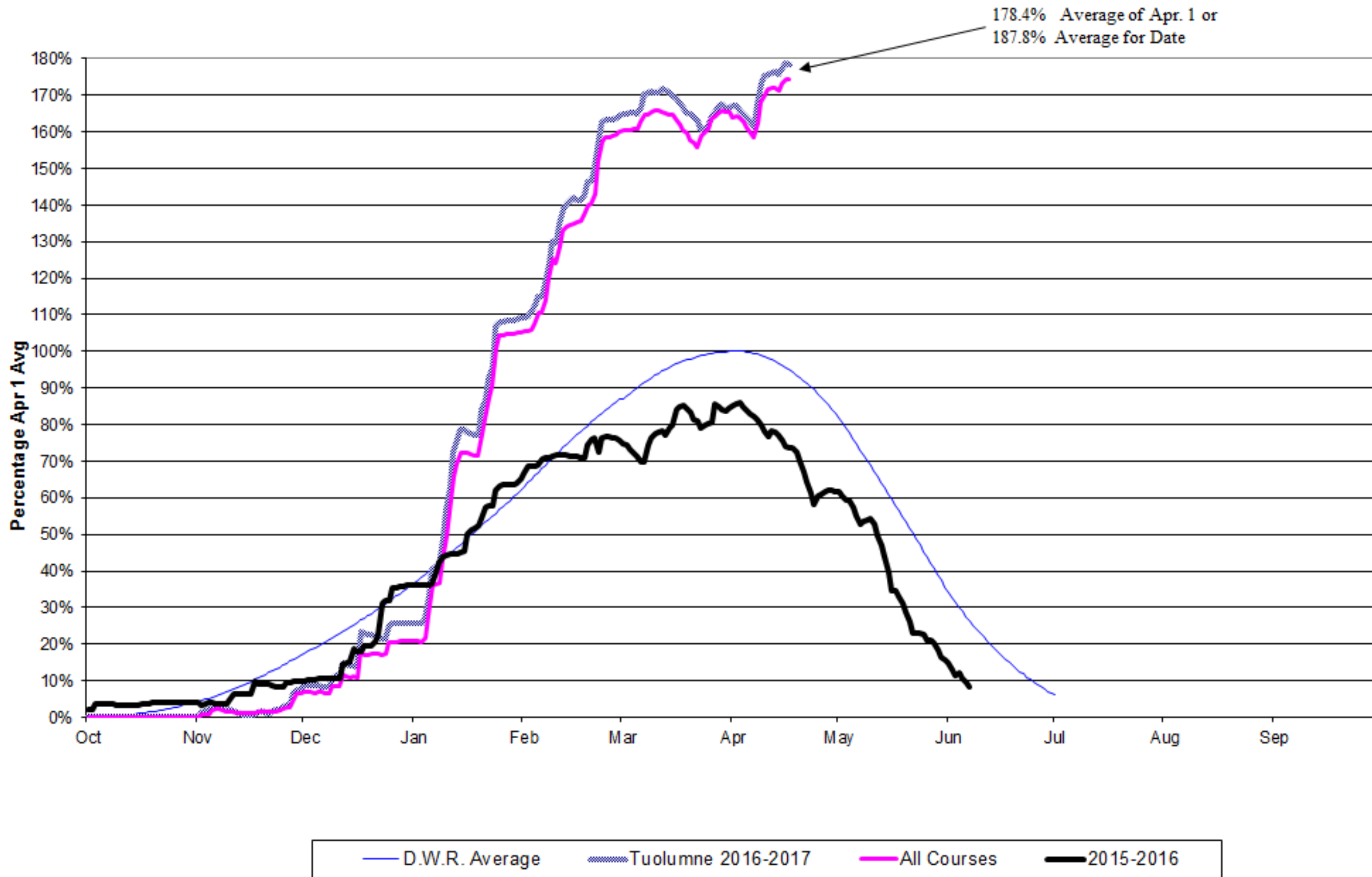


Tuolumne River Watershed Accumulated Precipitation

61.15 Inches or 189.9% for this date



Snow Sensors Used in Tuolumne River Forecast

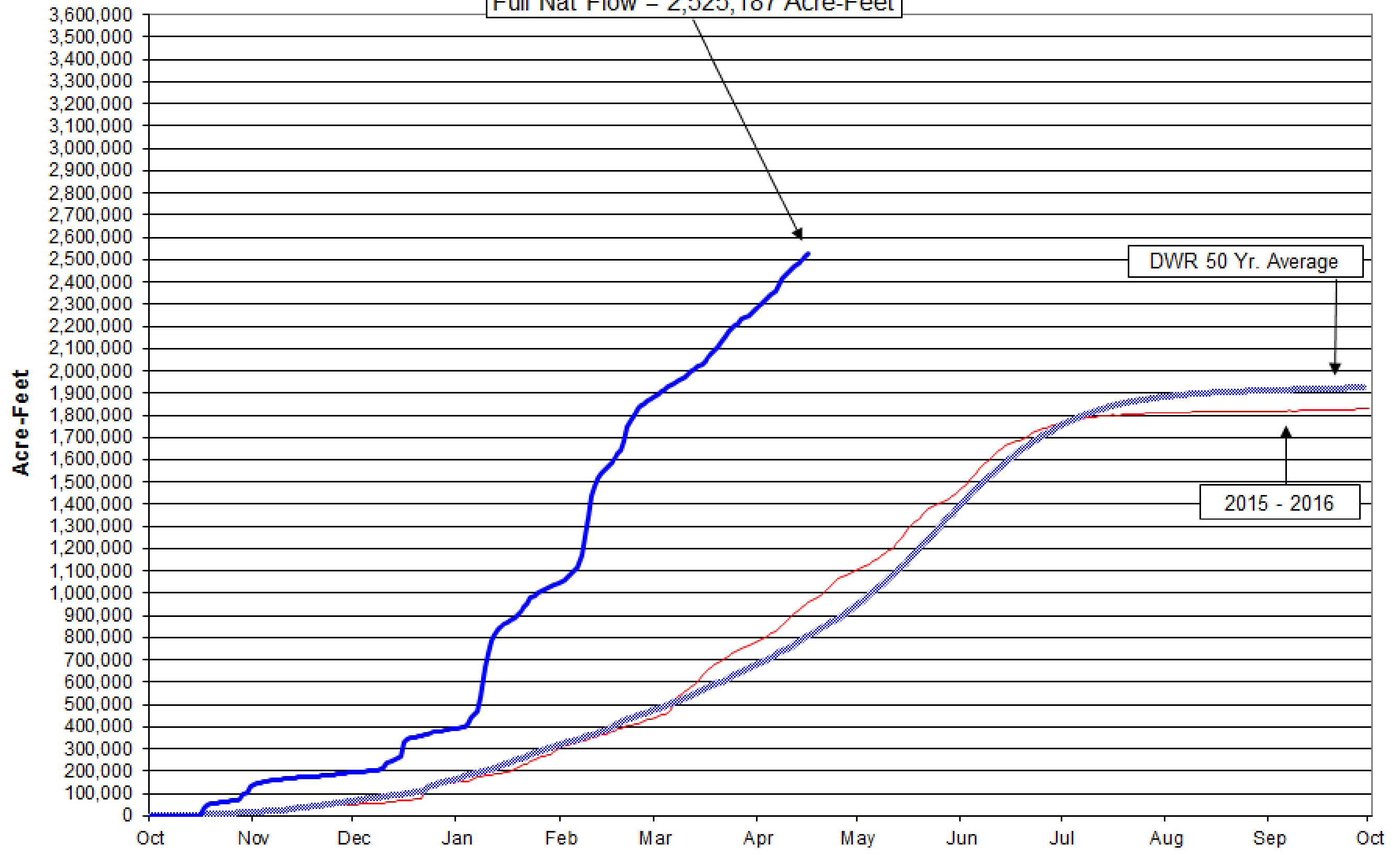


WY2017 Computed Natural Flow

	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	218	5,420	867	1,647	2,668	5,513	6,220					
2	(255)	2,982	38	1,317	3,383	4,697	6,483					
3	(211)	1,714	954	1,946	6,853	4,734	7,650					
4	183	1,955	662	5,473	7,750	4,497	7,321					
5	398	1,231	725	14,538	5,327	6,001	6,882					
6	118	1,083	521	7,479	7,933	5,367	7,342					
7	(8)	1,150	687	4,892	29,308	4,053	13,529					
8	(147)	1,066	877	35,352	42,774	4,547	14,049					
9	272	921	2,129	64,576	40,573	4,963	8,322					
10	(234)	1,312	3,728	31,652	48,732	5,130	7,181					
11	(41)	366	11,356	28,725	24,626	4,629	5,859					
12	314	1,207	4,143	15,647	14,574	6,251	5,872					
13	(619)	352	2,574	10,021	11,900	5,273	8,040					
14	863	698	1,919	6,977	9,869	5,838	7,706					
15	236	581	4,211	6,447	8,393	5,842	6,898					
16	1,883	537	32,121	5,510	7,828	7,293	5,865					
17	14,942	697	6,447	4,006	8,855	8,180						
18	6,170	906	3,356	4,183	9,851	7,692						
19	2,078	(126)	2,634	7,418	8,156	7,407						
20	1,605	508	2,350	9,289	22,394	7,095						
21	1,484	462	1,813	8,934	31,516	10,542						
22	637	795	1,966	8,526	17,478	15,415						
23	997	582	1,539	11,590	11,773	8,514						
24	1,603	857	2,661	6,533	12,238	6,997						
25	767	579	1,842	5,469	7,149	6,589						
26	1,442	599	1,099	4,561	4,680	6,797						
27	897	1,285	1,544	3,303	6,217	7,305						
28	3,110	1,174	1,514	4,163	5,367	4,585						
29	9,835	1,088	1,554	2,912		5,261						
30	4,829	545	1,102	3,646		6,387						
31	11,737		1,103	3,817		8,125						
Average C.F.S.	2,100	1,084	3,227	10,663	14,934	6,501	7,826					
Total Monthly A.F.	129,134	64,511	198,416	655,633	829,418	399,705	248,371					
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
Total October-September Computed Natural Flow=				2,525,187	A.F.				APR-JLY =	248,371	A.F.	
			Remaining =	(615,187)				Remaining =	944,629			

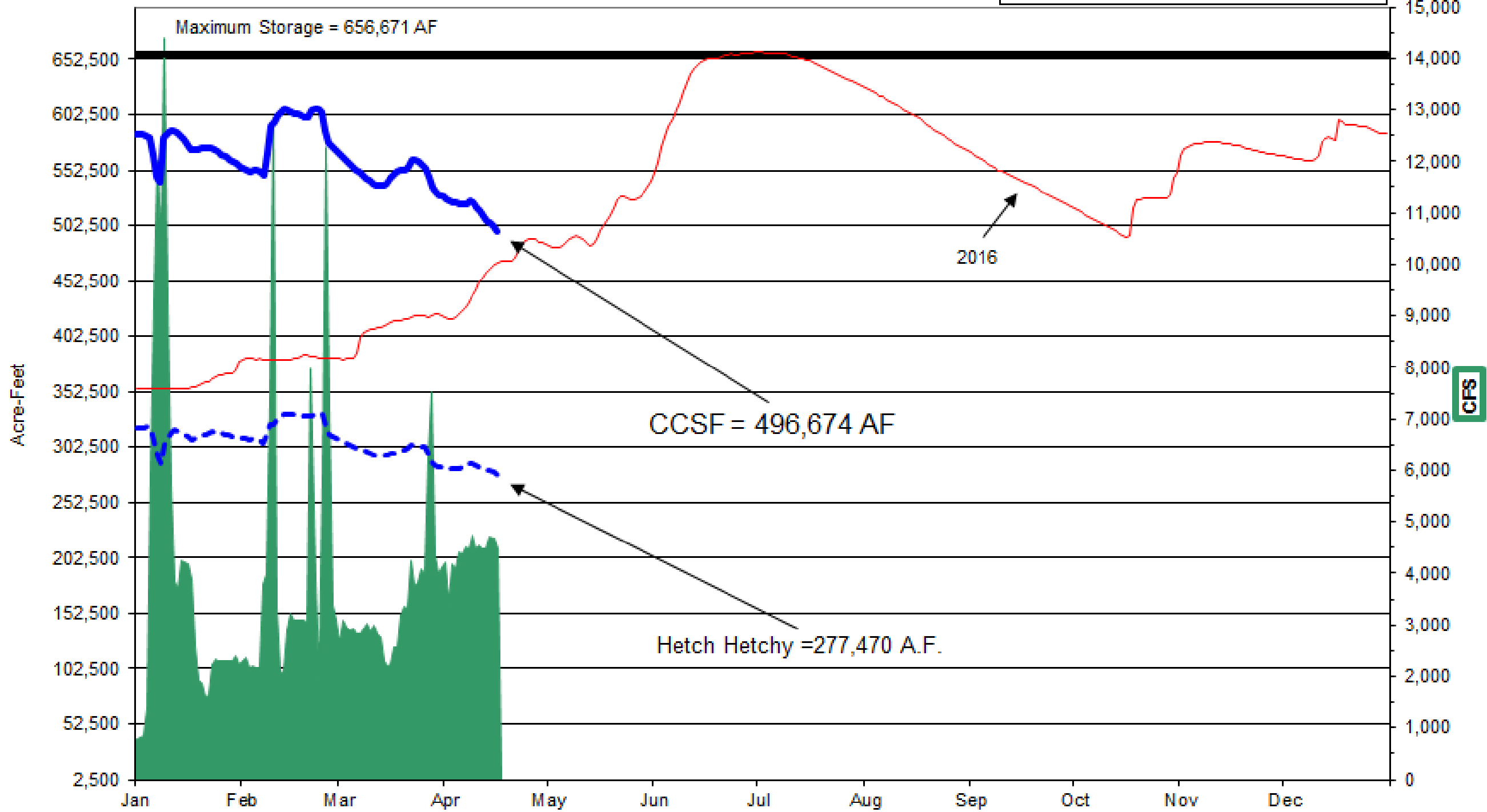
Full Natural Flow

Full Nat Flow = 2,525,187 Acre-Feet



CCSF Total Storage

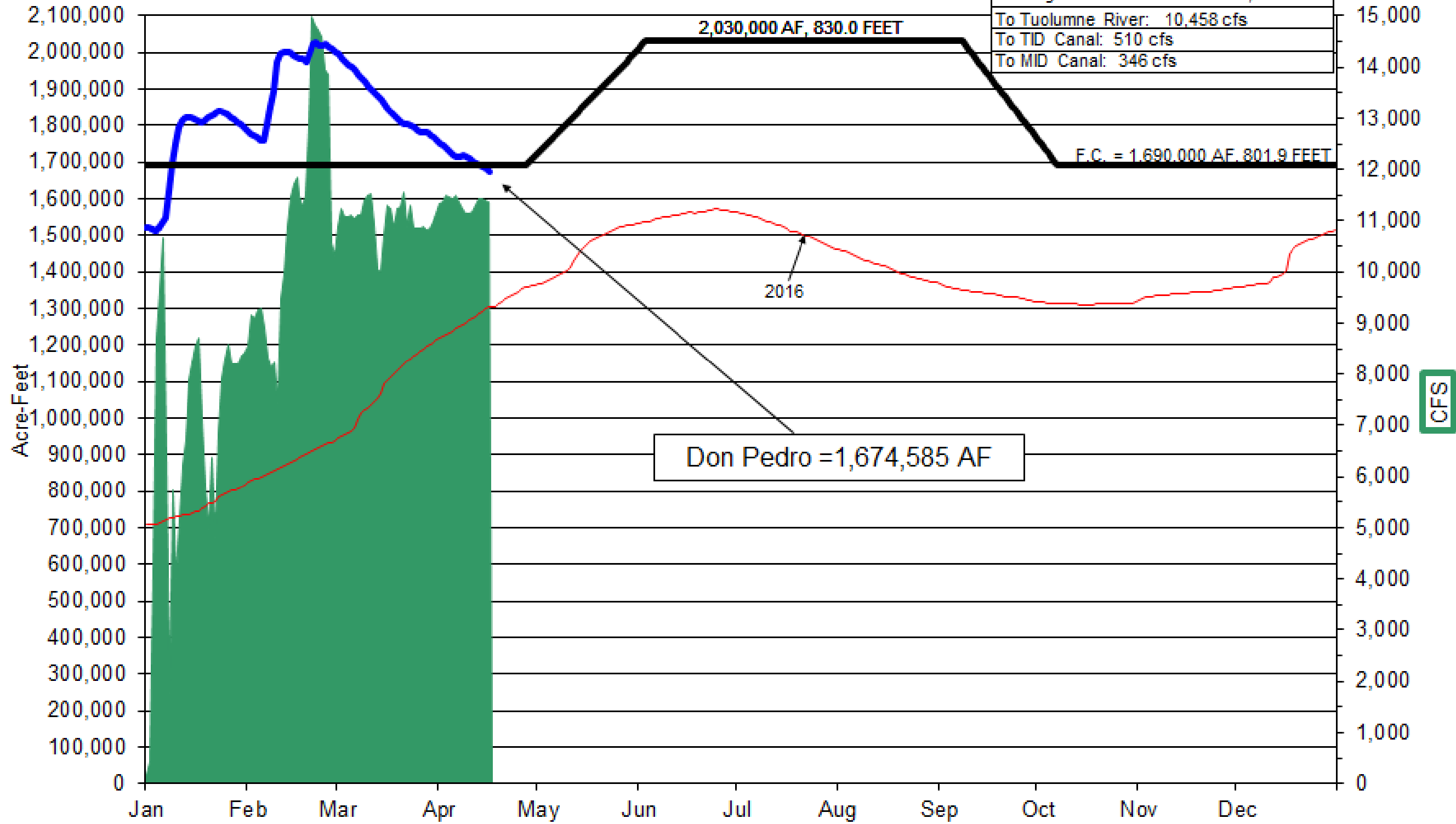
7-Day Average Release: 4,546 cfs
7-Day Average Diversion: 155 cfs



Releases (cfs)	Max Storage	CCSF 2016	CCSF 2017	Hetch Hetchy
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DON PEDRO STORAGE

Releases During Past 7 Days	
Average Combined Release:	11,314 cfs
To Tuolumne River:	10,458 cfs
To TID Canal:	510 cfs
To MID Canal:	346 cfs



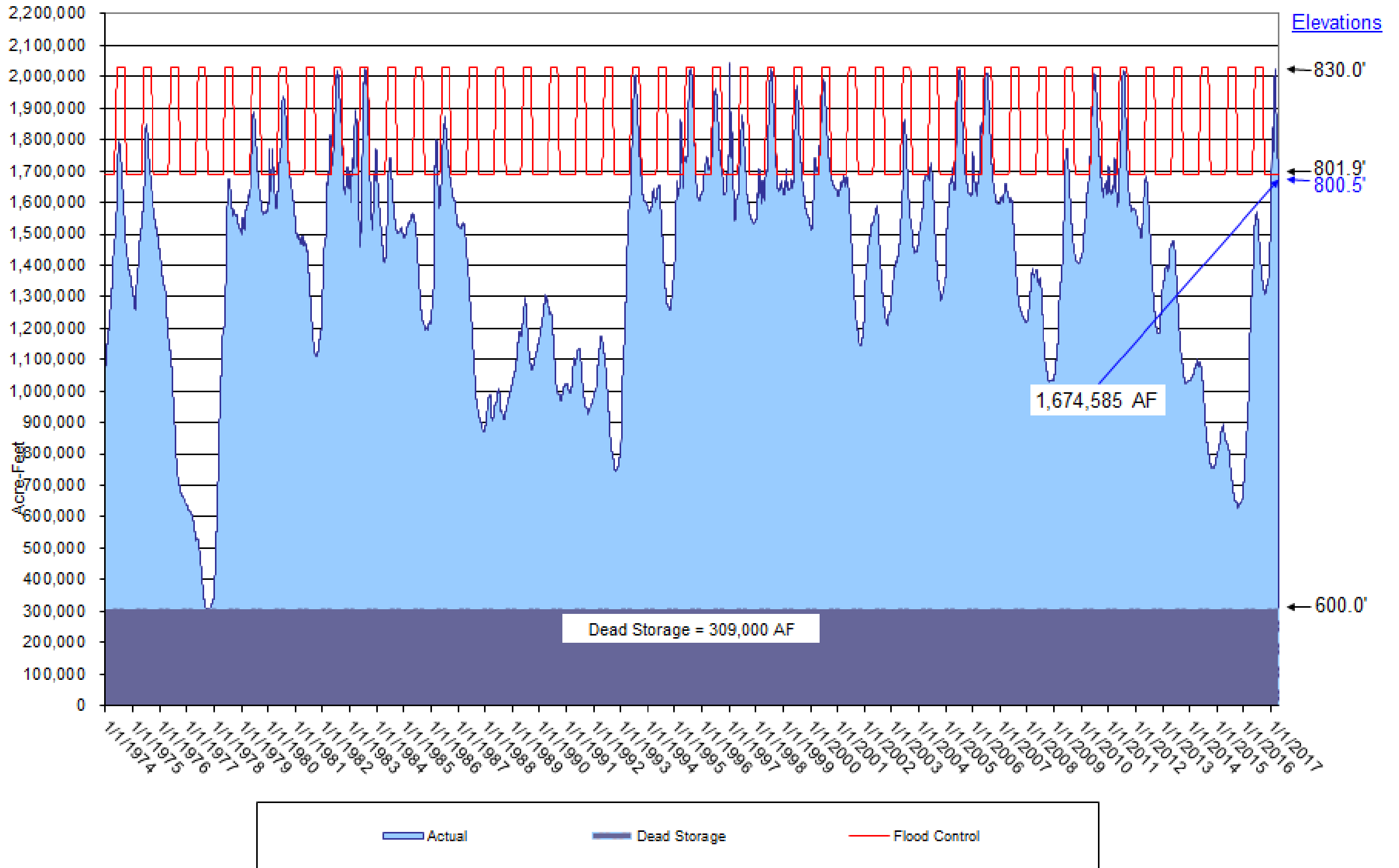
Don Pedro = 1,674,585 AF

2,030,000 AF, 830.0 FEET

F.C. = 1,690,000 AF, 801.9 FEET

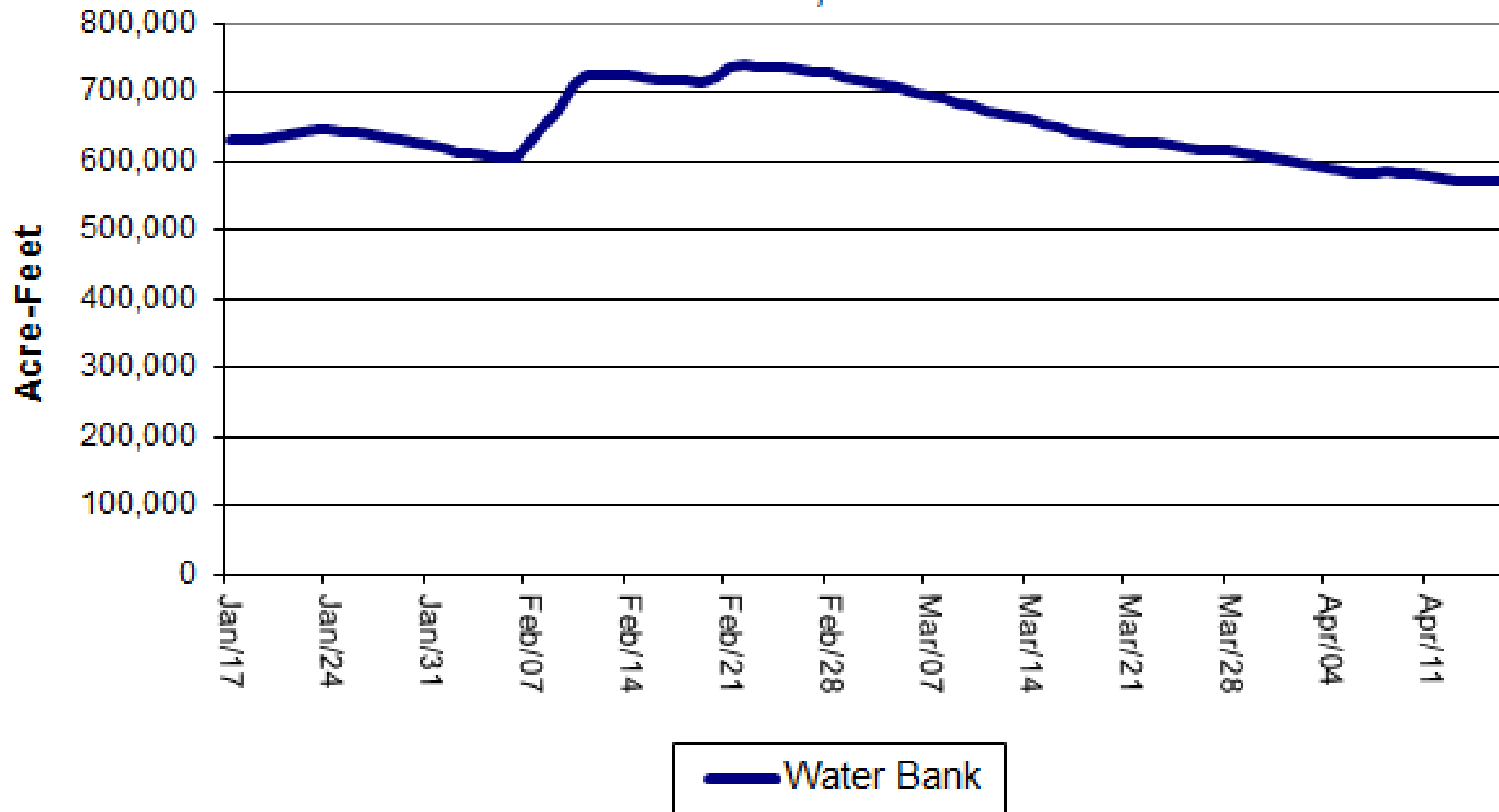


HISTORIC DON PEDRO STORAGE



Don Pedro Water Bank

Water Bank = 570,000 Acre-Feet



Turlock Lake Storage

