

Water Report

May 16, 2017

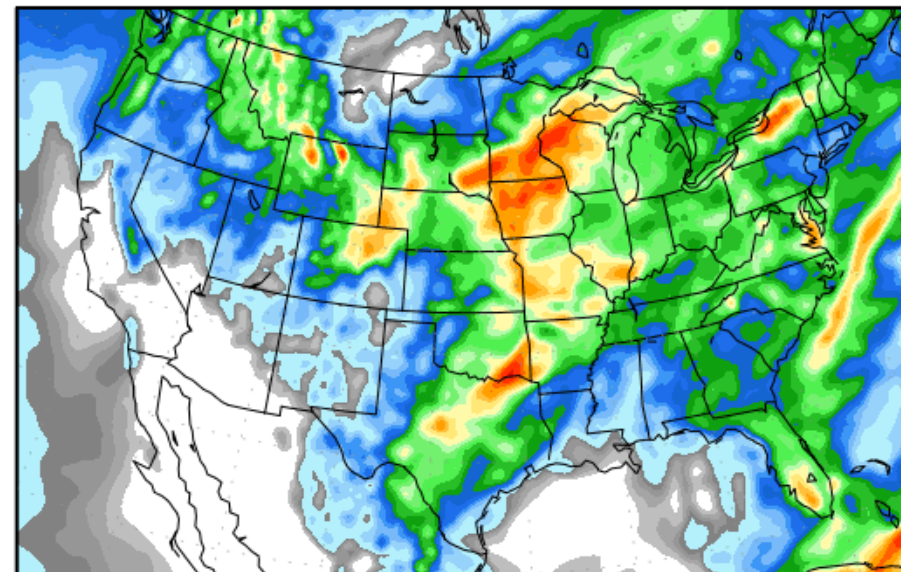
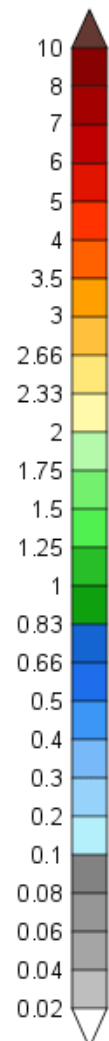
- Weather Forecast
- Status of Watershed
- CCSF Reservoir Storage and Operations
- Don Pedro Reservoir Storage and Operations



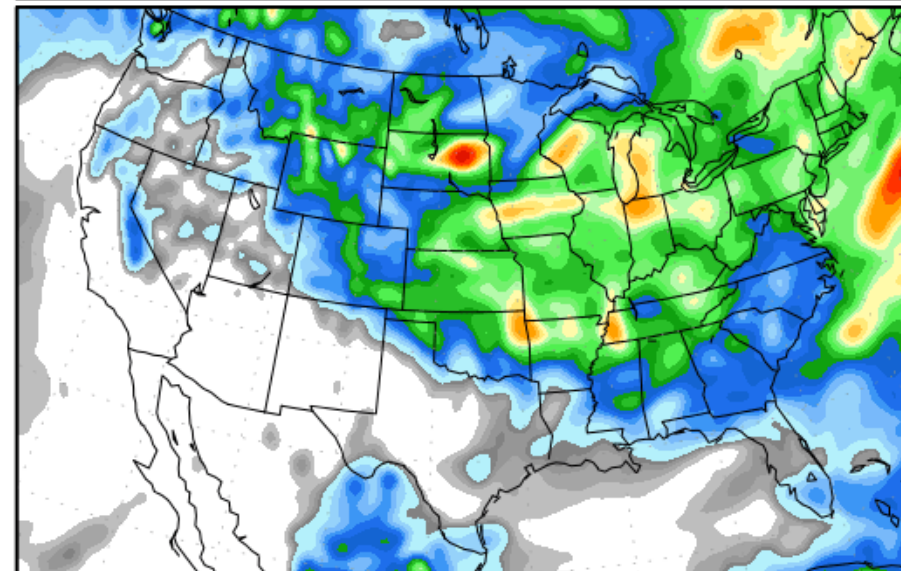
Precipitation Forecasts

Precipitation (in)
during the period:

Mon, 15 MAY 2017 at 00Z
-to-
Tue, 23 MAY 2017 at 00Z

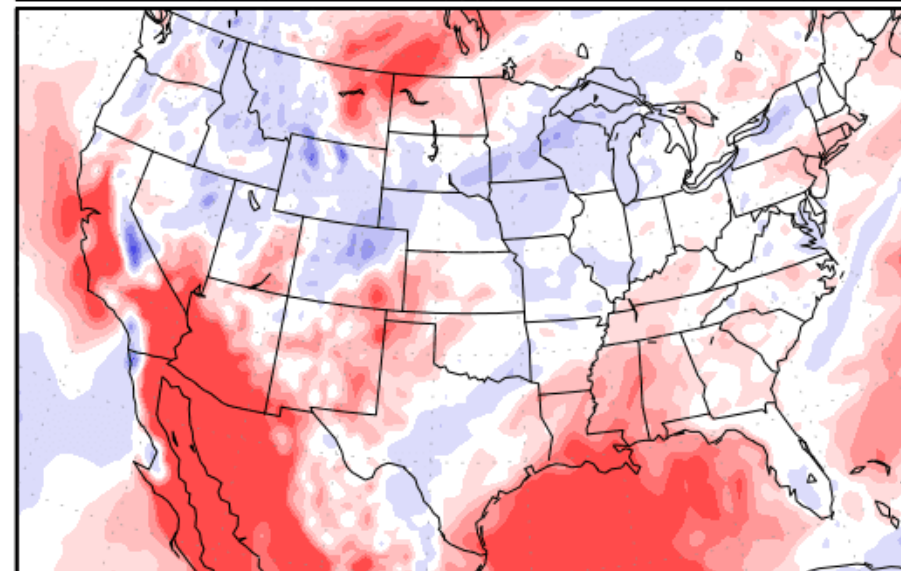
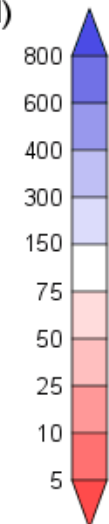


Tue, 23 MAY 2017 at 00Z
-to-
Wed, 31 MAY 2017 at 00Z

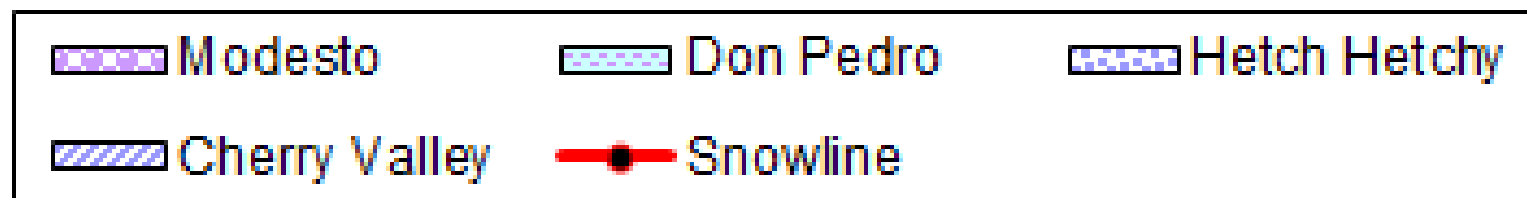
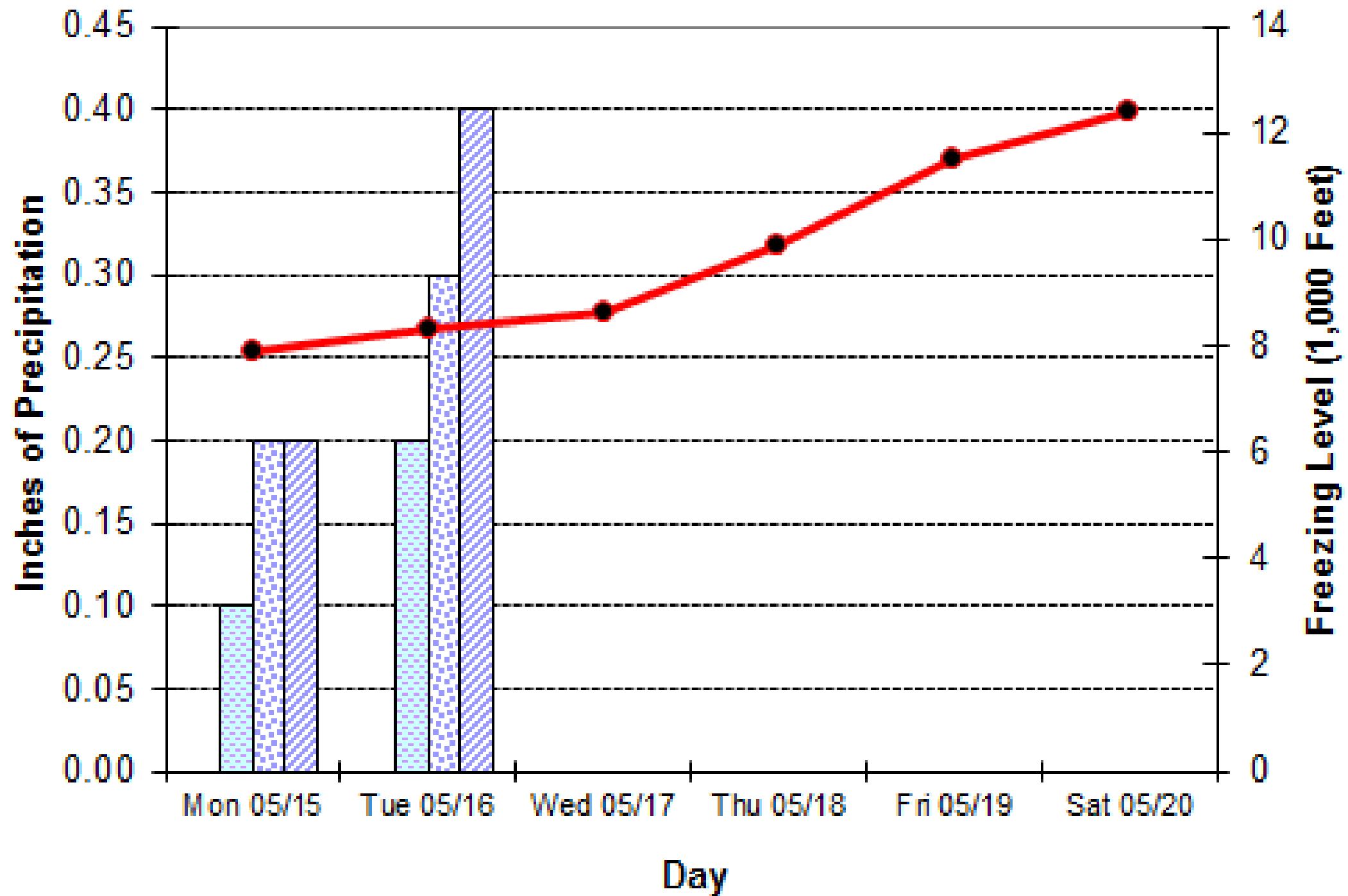


Precipitation (% of normal)
during the first period:

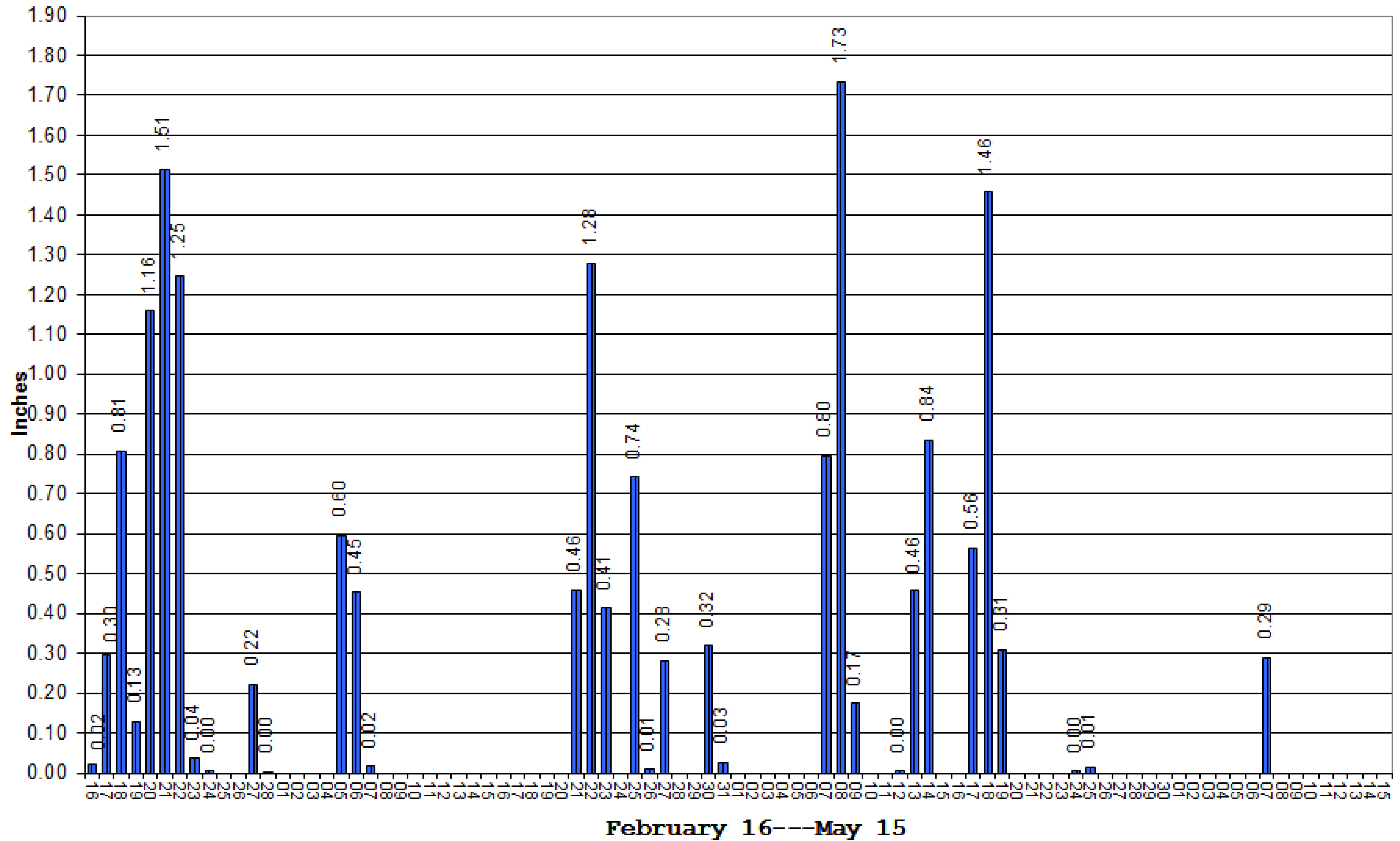
Mon, 15 MAY 2017 at 00Z
-to-
Tue, 23 MAY 2017 at 00Z



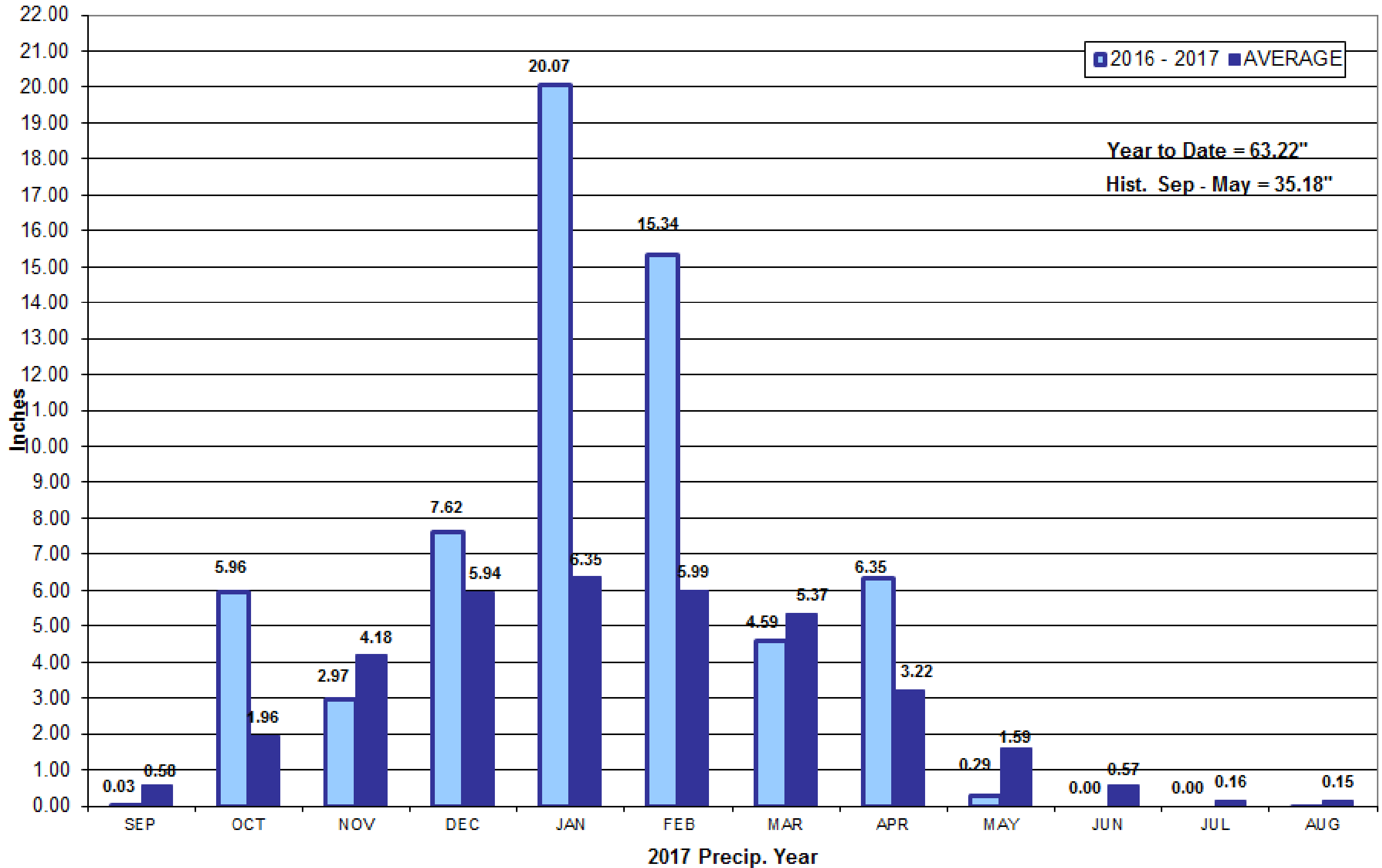
Precipitation forecasts from the National Centers for Environmental Prediction.
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
Forecast Initialization Time: 00Z15MAY2017



Watershed Daily Precipitation

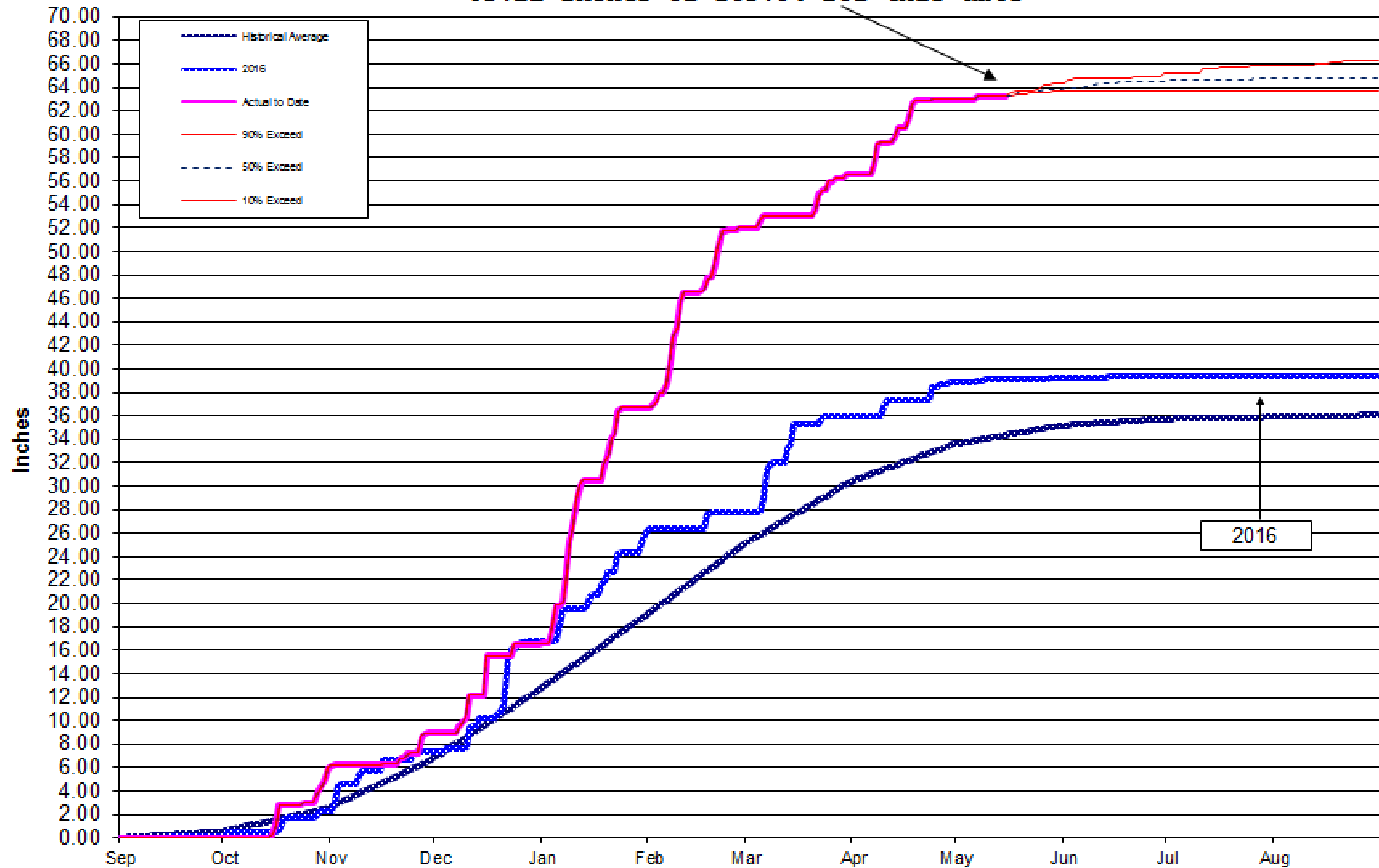


Tuolumne River Watershed Monthly Accumulation of Precipitation

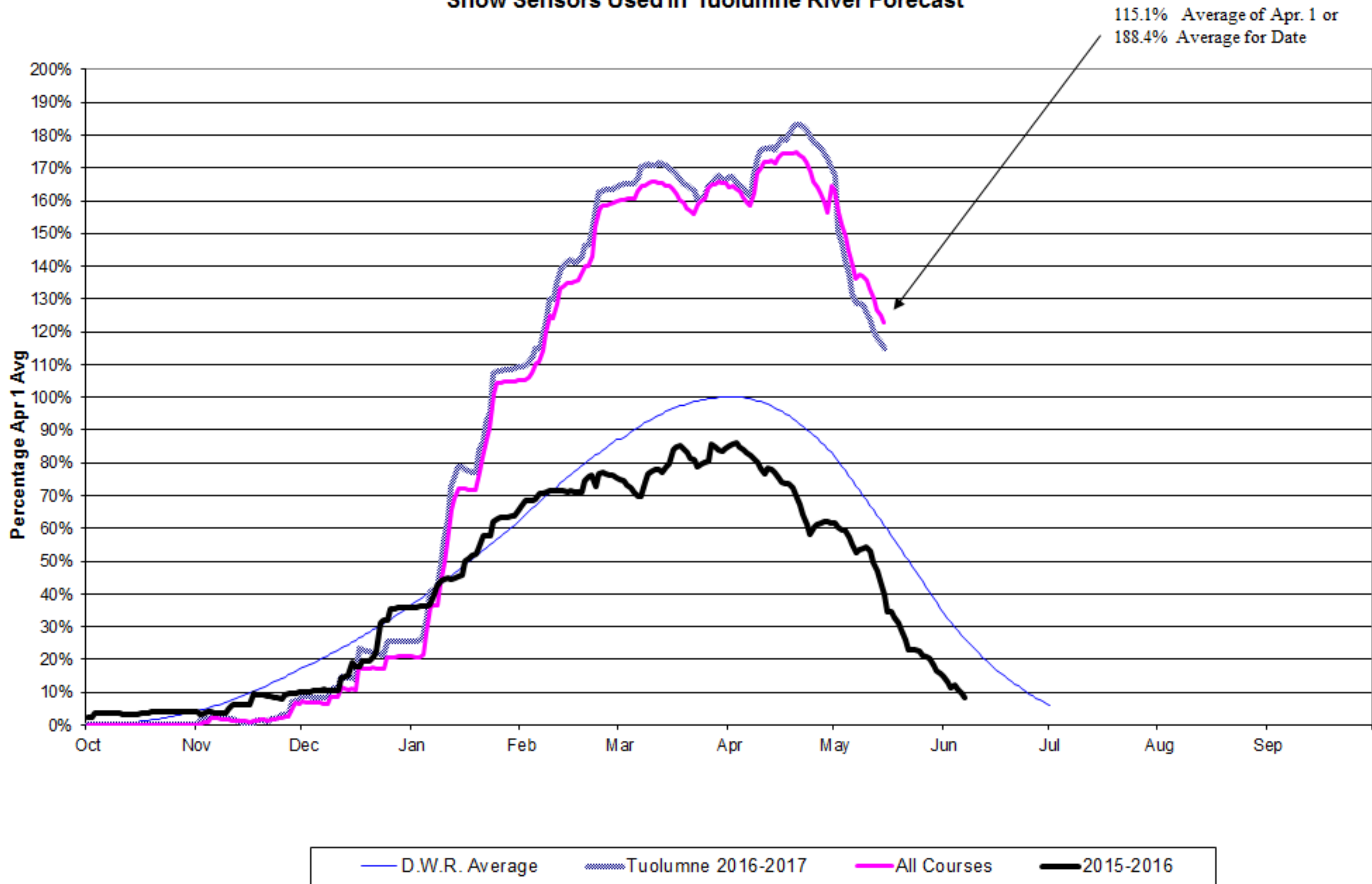


Tuolumne River Watershed Accumulated Precipitation

63.22 Inches or 183.9% for this date



Snow Sensors Used in Tuolumne River Forecast

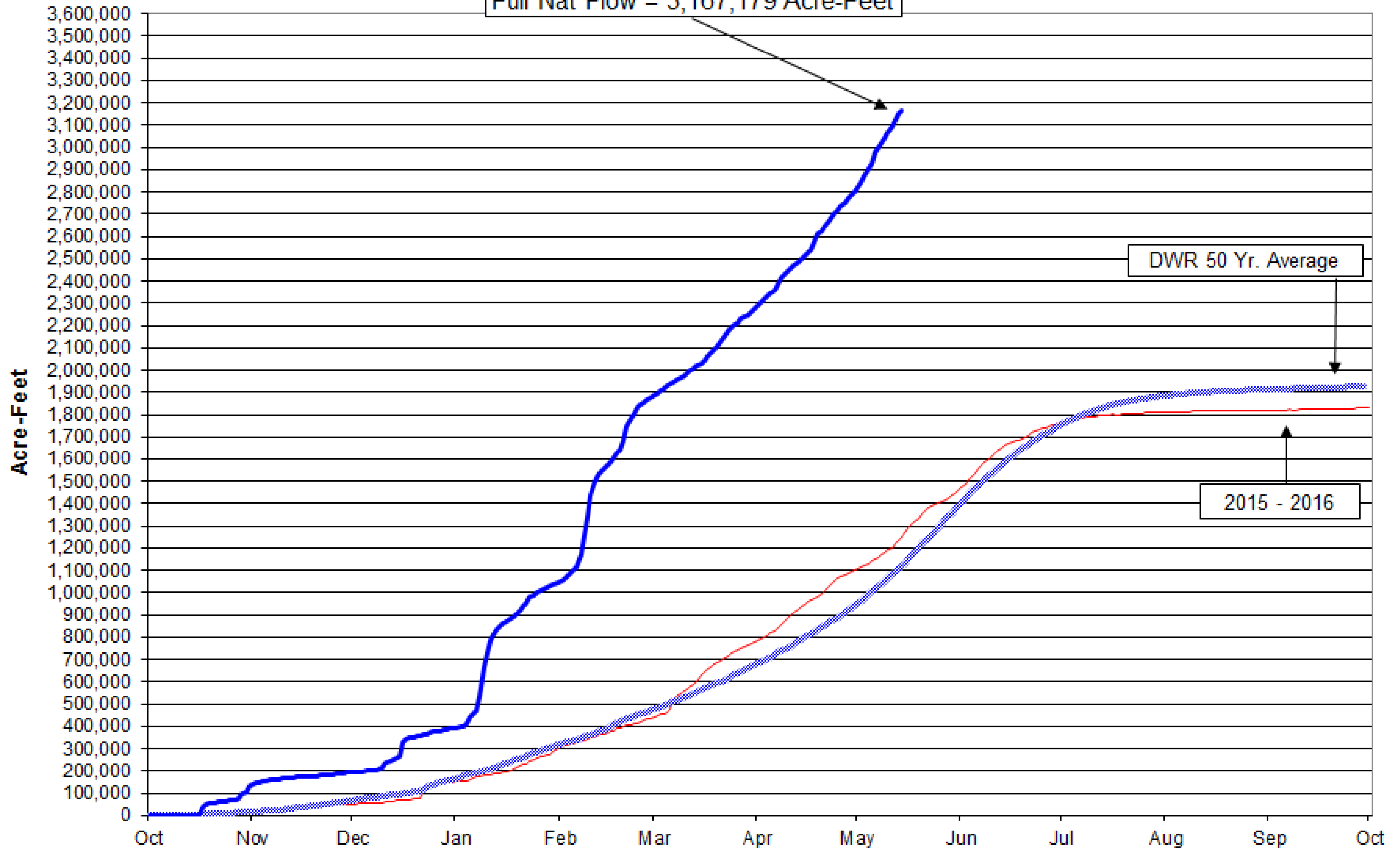


WY2017 Computed Natural Flow

	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	9,928				
2	(255)	2,982	38	1,317	3,383	4,697	6,483	11,343				
3	(211)	1,714	954	1,946	6,853	4,734	7,650	13,639				
4	183	1,955	662	5,473	7,750	4,497	7,321	15,656				
5	398	1,231	725	14,538	5,327	6,001	6,882	14,016				
6	118	1,083	521	7,479	7,933	5,367	7,342	21,797				
7	(8)	1,150	687	4,892	29,308	4,053	13,529	12,996				
8	(147)	1,066	877	35,352	42,774	4,547	14,049	9,970				
9	272	921	2,129	64,576	40,573	4,963	8,322	11,899				
10	(234)	1,312	3,728	31,652	48,732	5,130	7,181	12,419				
11	(41)	366	11,356	28,725	24,626	4,629	5,859	12,848				
12	314	1,207	4,143	15,647	14,574	6,251	5,872	16,188				
13	(619)	352	2,574	10,021	11,900	5,273	8,040	12,393				
14	863	698	1,919	6,977	9,869	5,838	7,706	8,766				
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	8,022					
18	6,170	906	3,356	4,183	9,851	7,692	19,184					
19	2,078	(126)	2,634	7,418	8,156	7,407	15,206					
20	1,605	508	2,350	9,289	22,394	7,095	9,636					
21	1,484	462	1,813	8,934	31,516	10,542	8,684					
22	637	795	1,966	8,526	17,478	15,415	9,026					
23	997	582	1,539	11,590	11,773	8,514	9,314					
24	1,603	857	2,661	6,533	12,238	6,997	10,198					
25	767	579	1,842	5,469	7,149	6,589	8,721					
26	1,442	599	1,099	4,561	4,680	6,797	7,422					
27	897	1,285	1,544	3,303	6,217	7,305	8,766					
28	3,110	1,174	1,514	4,163	5,367	4,585	9,578					
29	9,835	1,088	1,554	2,912		5,261	7,973					
30	4,829	545	1,102	3,646		6,387	8,083					
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	8,834	13,133				
Total Monthly A.F.	129,134	64,511	198,416	655,633	829,418	399,705	525,686	364,676				
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=				3,167,179	A.F.				APR-JLY =	890,362	A.F.	
			Remaining =	(1,257,179)					Remaining =	302,638		

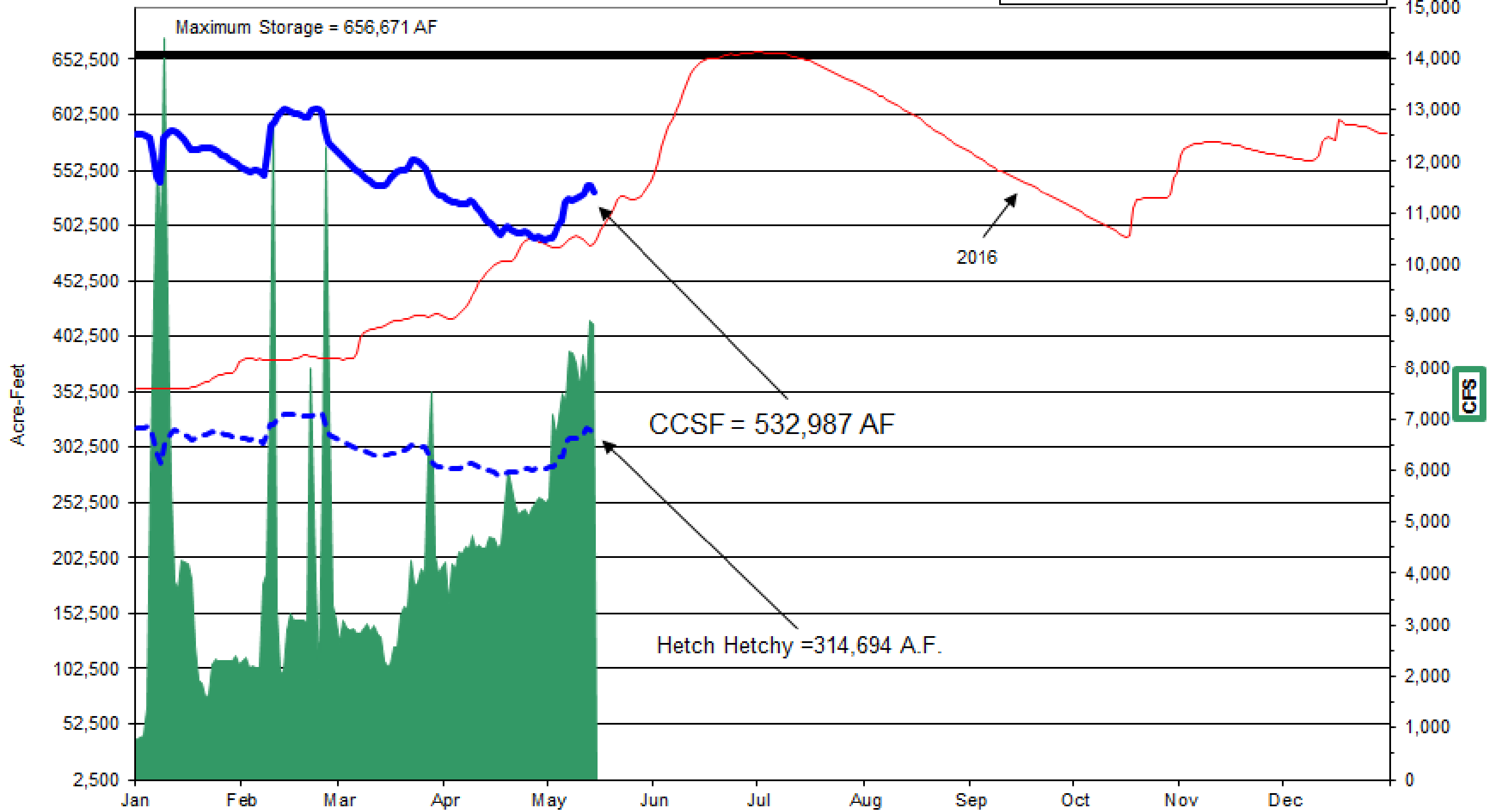
Full Natural Flow

Full Nat Flow = 3,167,179 Acre-Feet



CCSF Total Storage

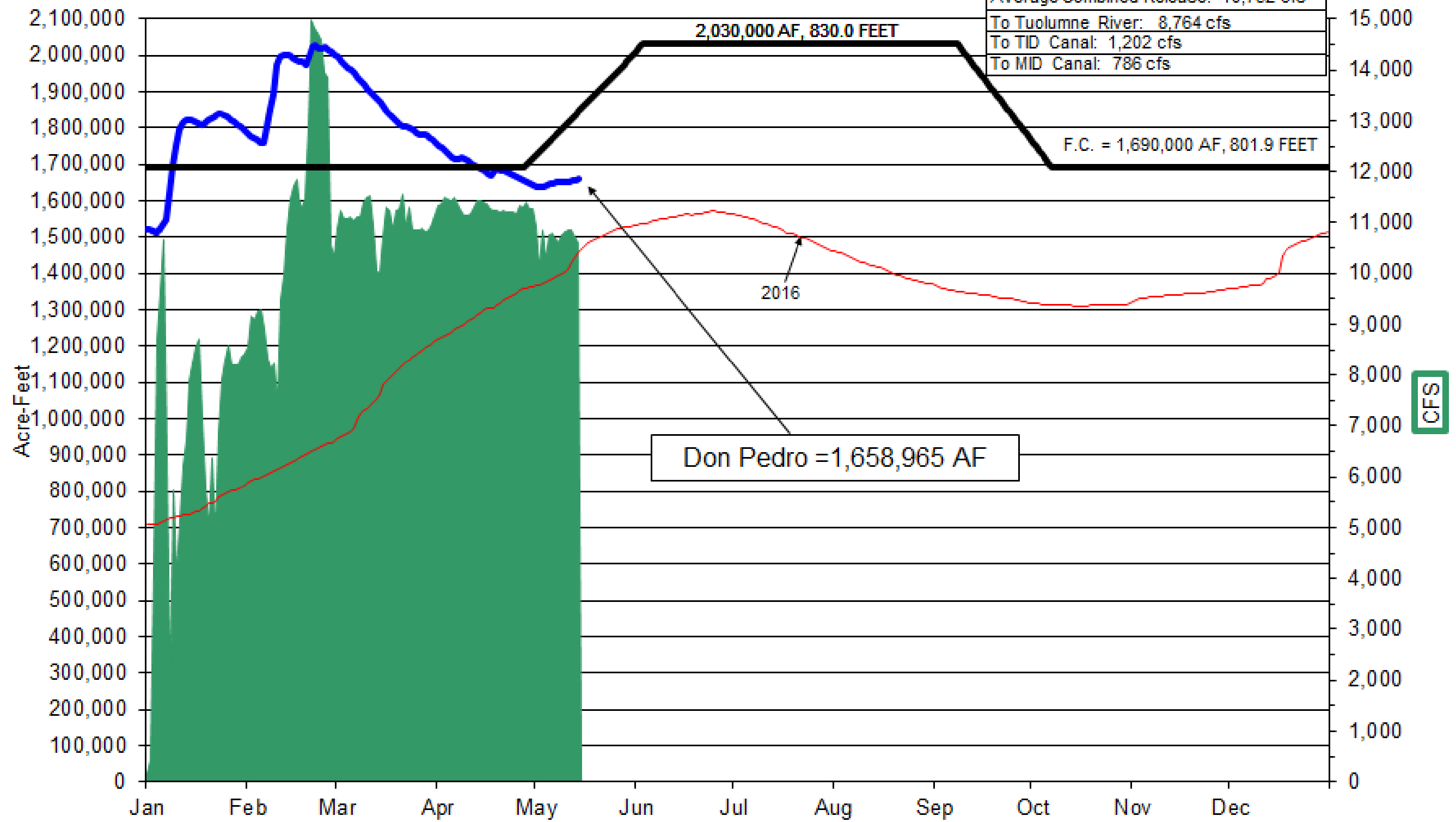
7-Day Average Release: 8,235 cfs
7-Day Average Diversion: 147 cfs



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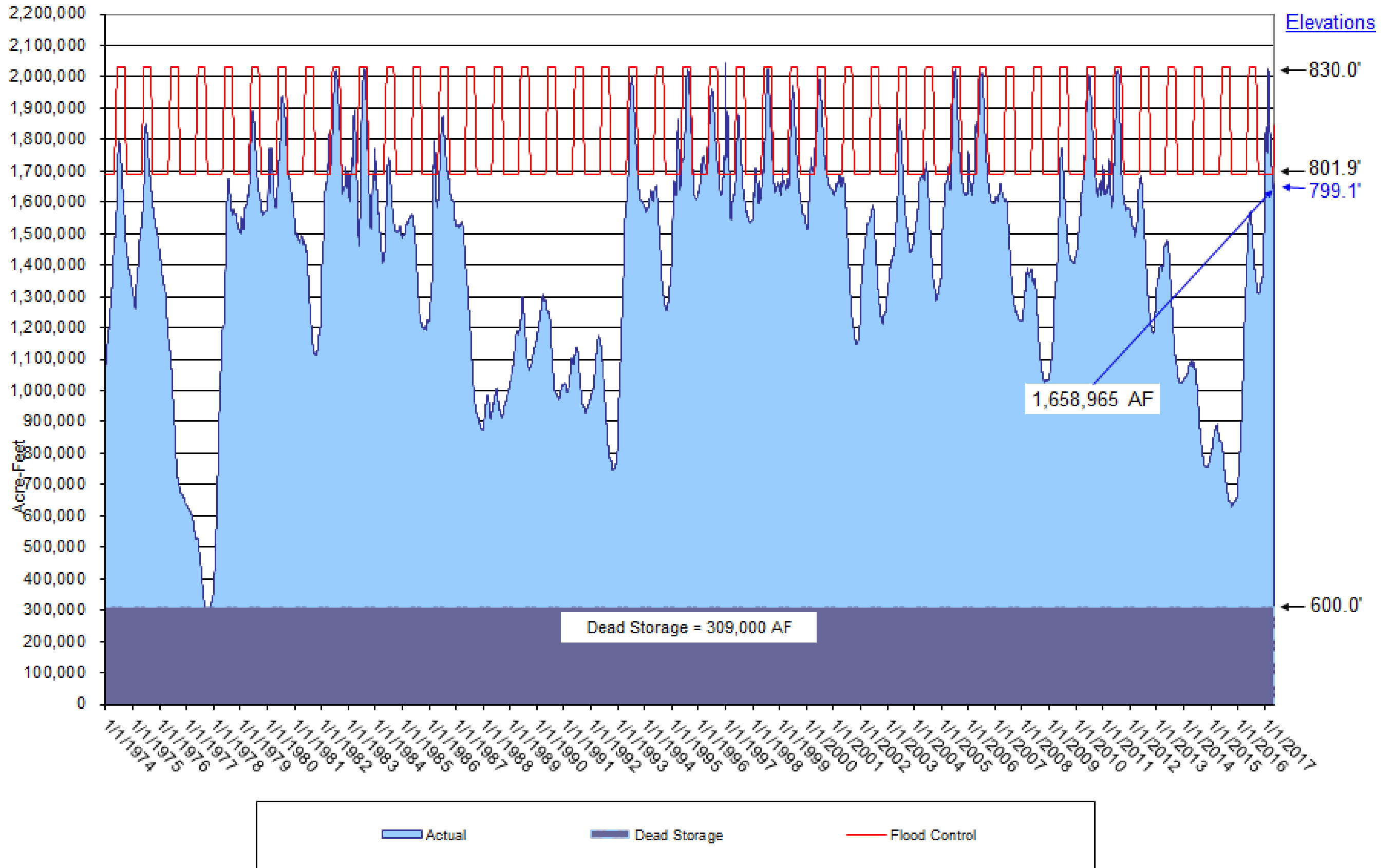
DON PEDRO STORAGE

Releases During Past 7 Days	
Average Combined Release:	10,752 cfs
To Tuolumne River:	8,764 cfs
To TID Canal:	1,202 cfs
To MID Canal:	786 cfs



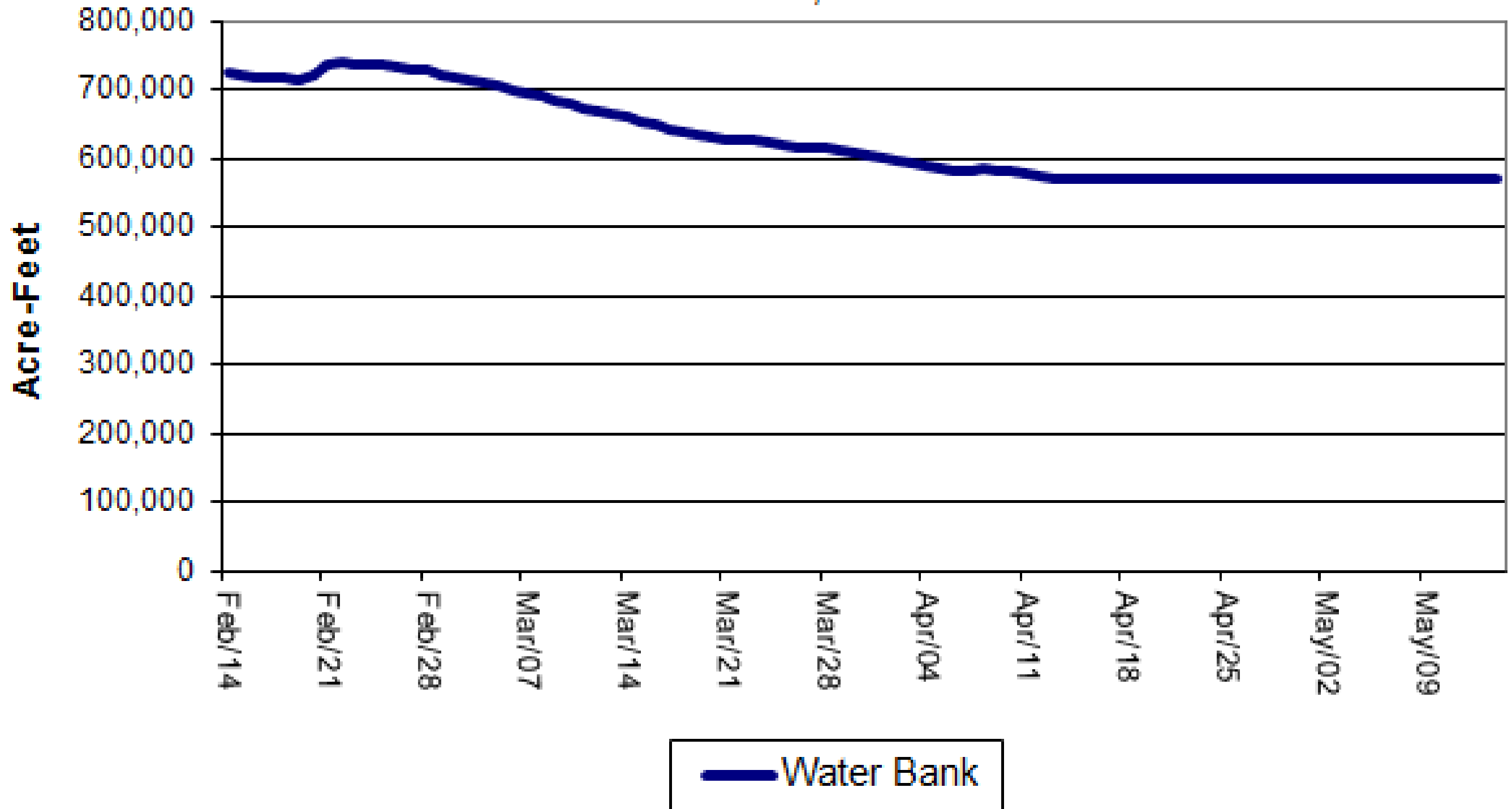
■ Average Combined Release (cfs)
 — 2016
 — 2017
 — FLOOD CONTROL
 Dry
 Avg.

HISTORIC DON PEDRO STORAGE



Don Pedro Water Bank

Water Bank = 570,000 Acre-Feet



Turlock Lake Storage

