

Water Report

October 3, 2017

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



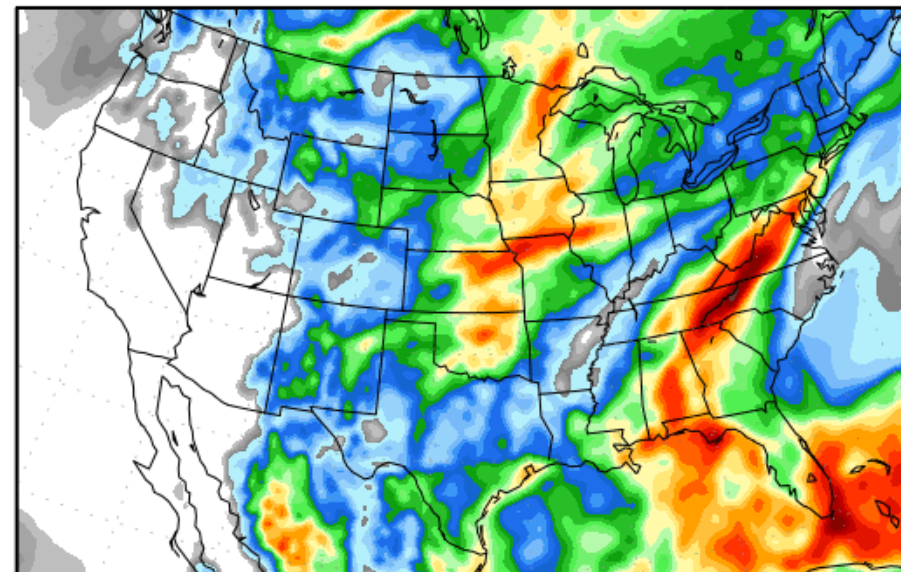
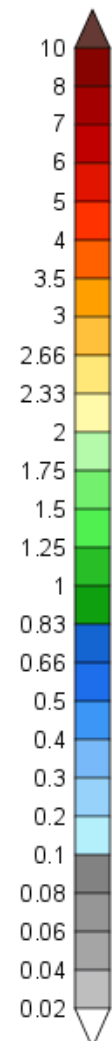
Precipitation Forecasts

Precipitation (in)
during the period:

Mon, 02 OCT 2017 at 12Z

-to-

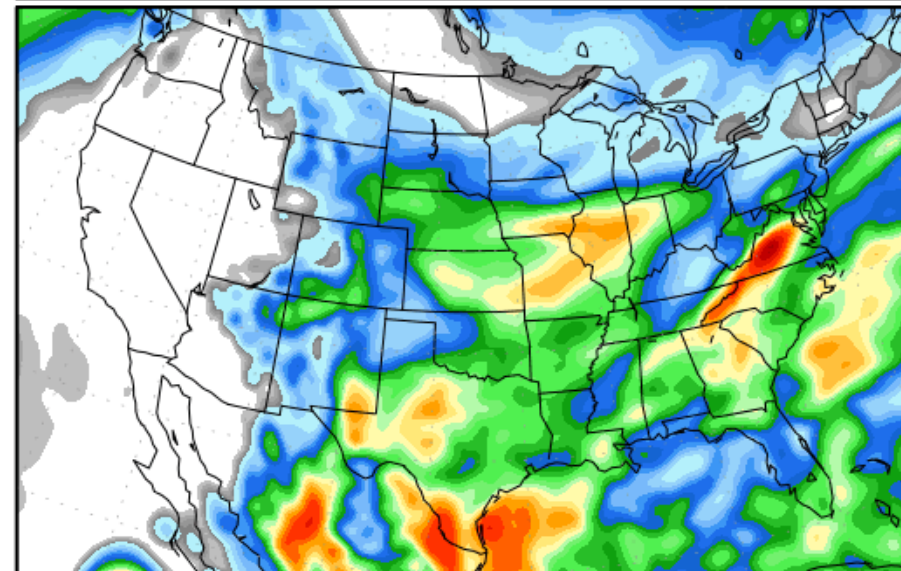
Tue, 10 OCT 2017 at 12Z



Tue, 10 OCT 2017 at 12Z

-to-

Wed, 18 OCT 2017 at 12Z

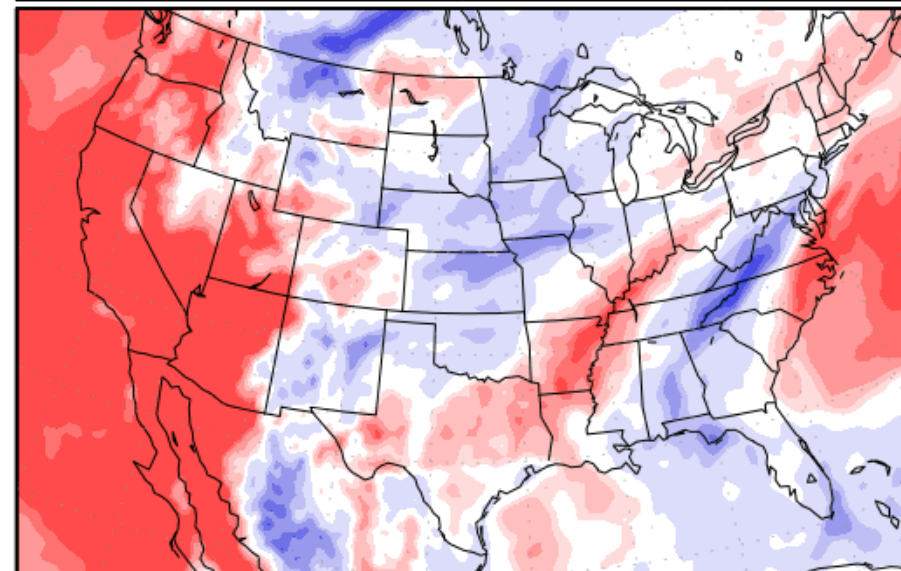
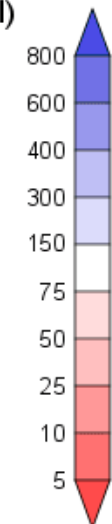


Precipitation (% of normal)
during the first period:

Mon, 02 OCT 2017 at 12Z

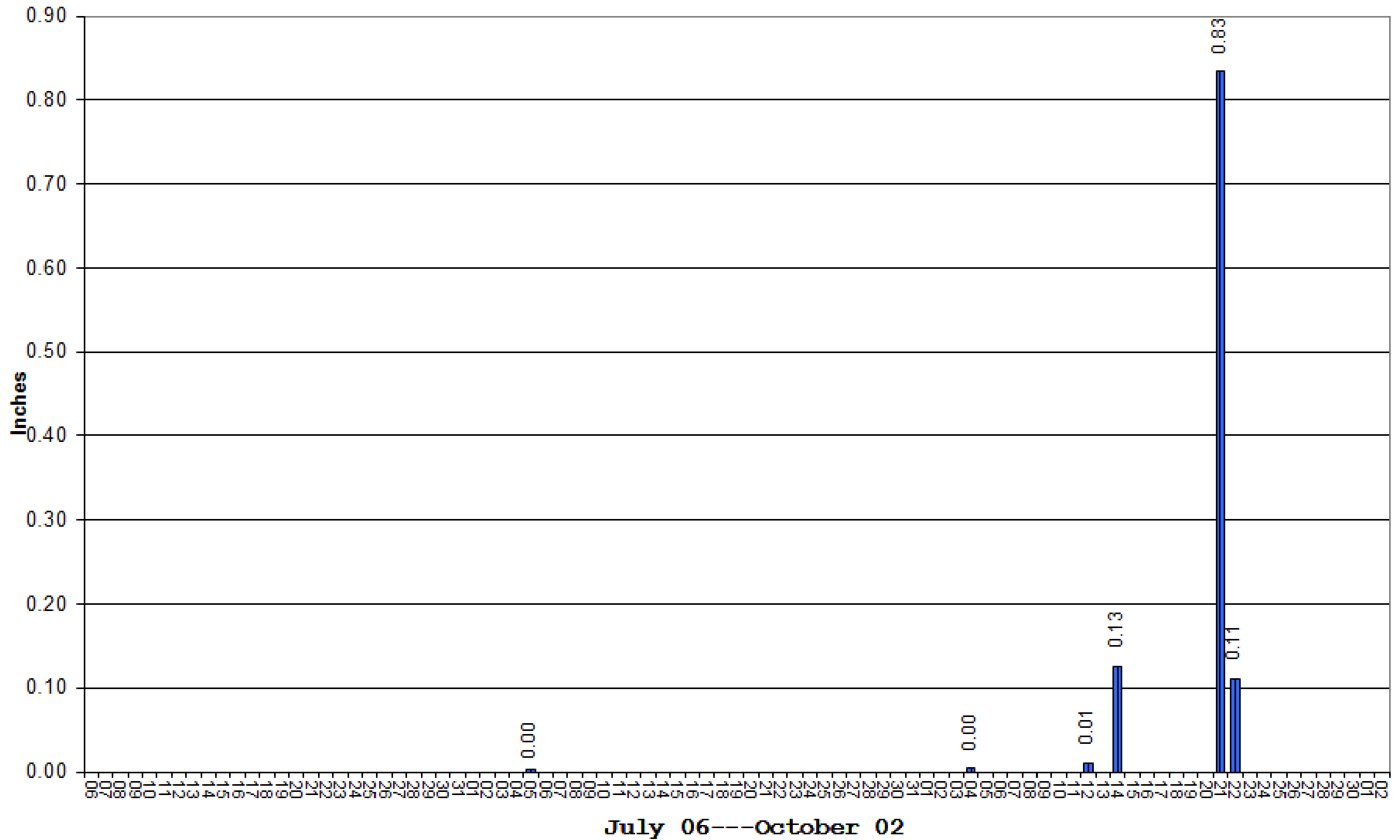
-to-

Tue, 10 OCT 2017 at 12Z

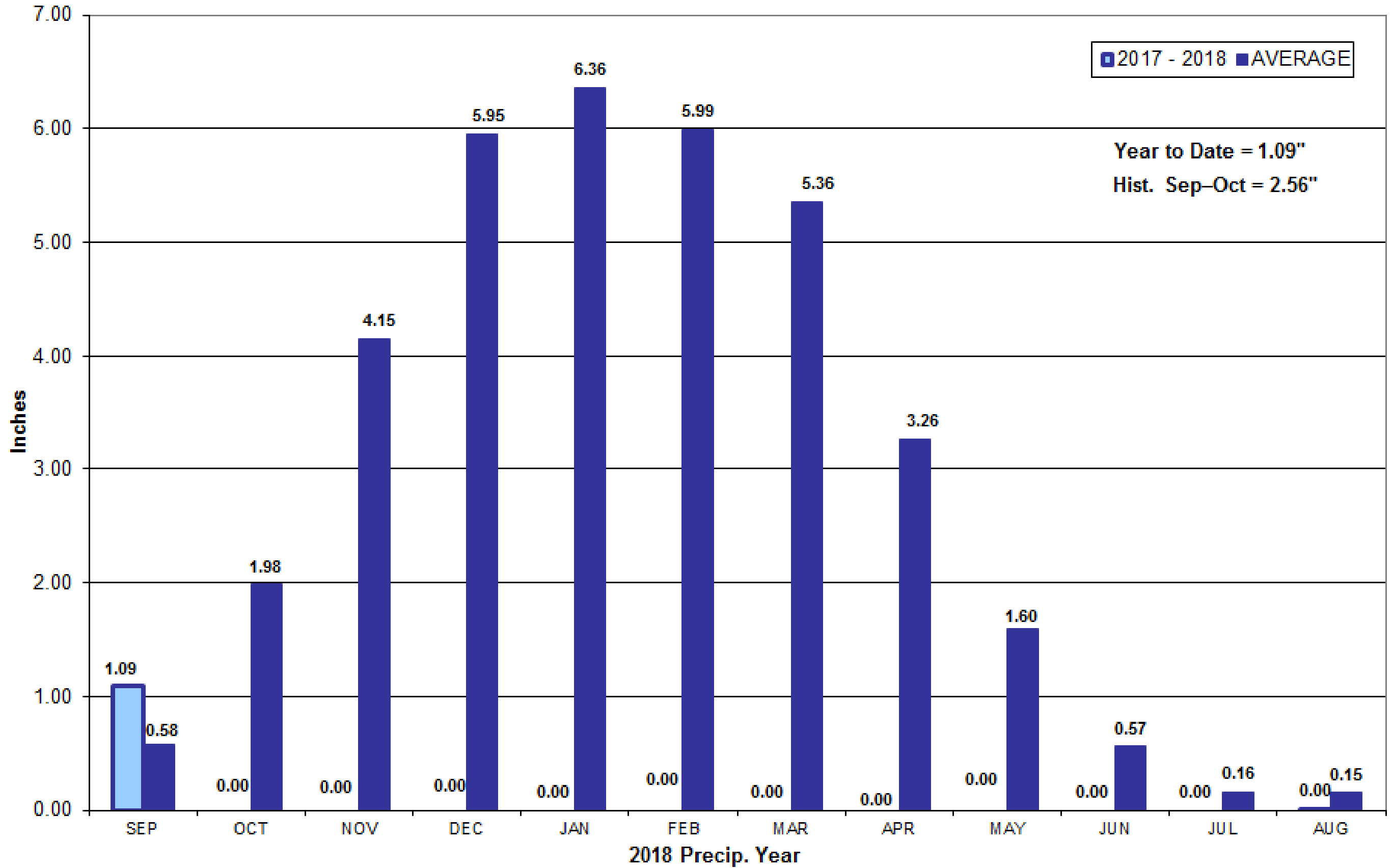


Precipitation forecasts from the National Centers for Environmental Prediction.
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
Forecast Initialization Time: 12Z02OCT2017

Watershed Daily Precipitation

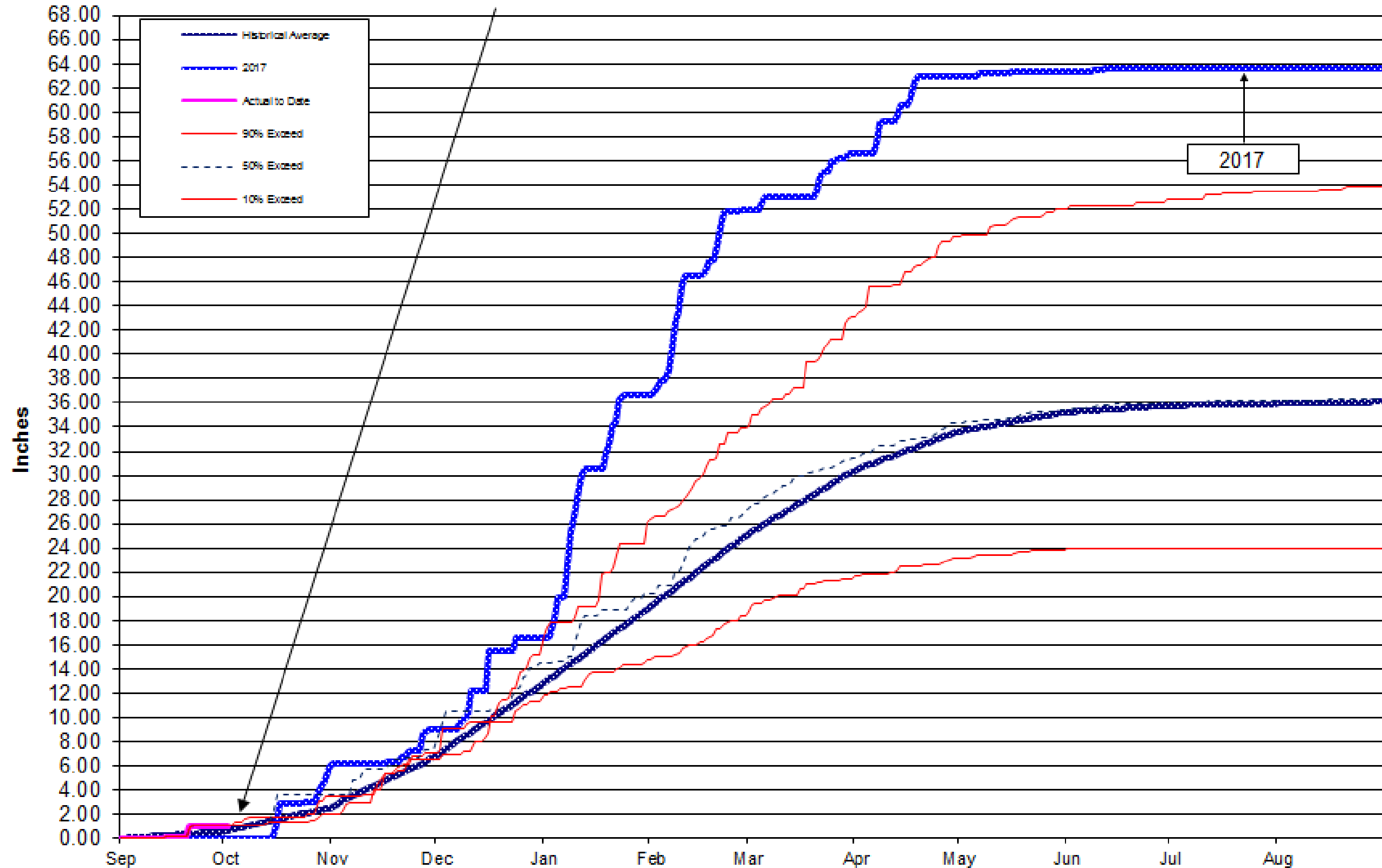


Tuolumne River Watershed Monthly Accumulation of Precipitation



Tuolumne River Watershed Accumulated Precipitation

1.09 Inches or 155.7% for this date



WY2017 Computed Natural Flow

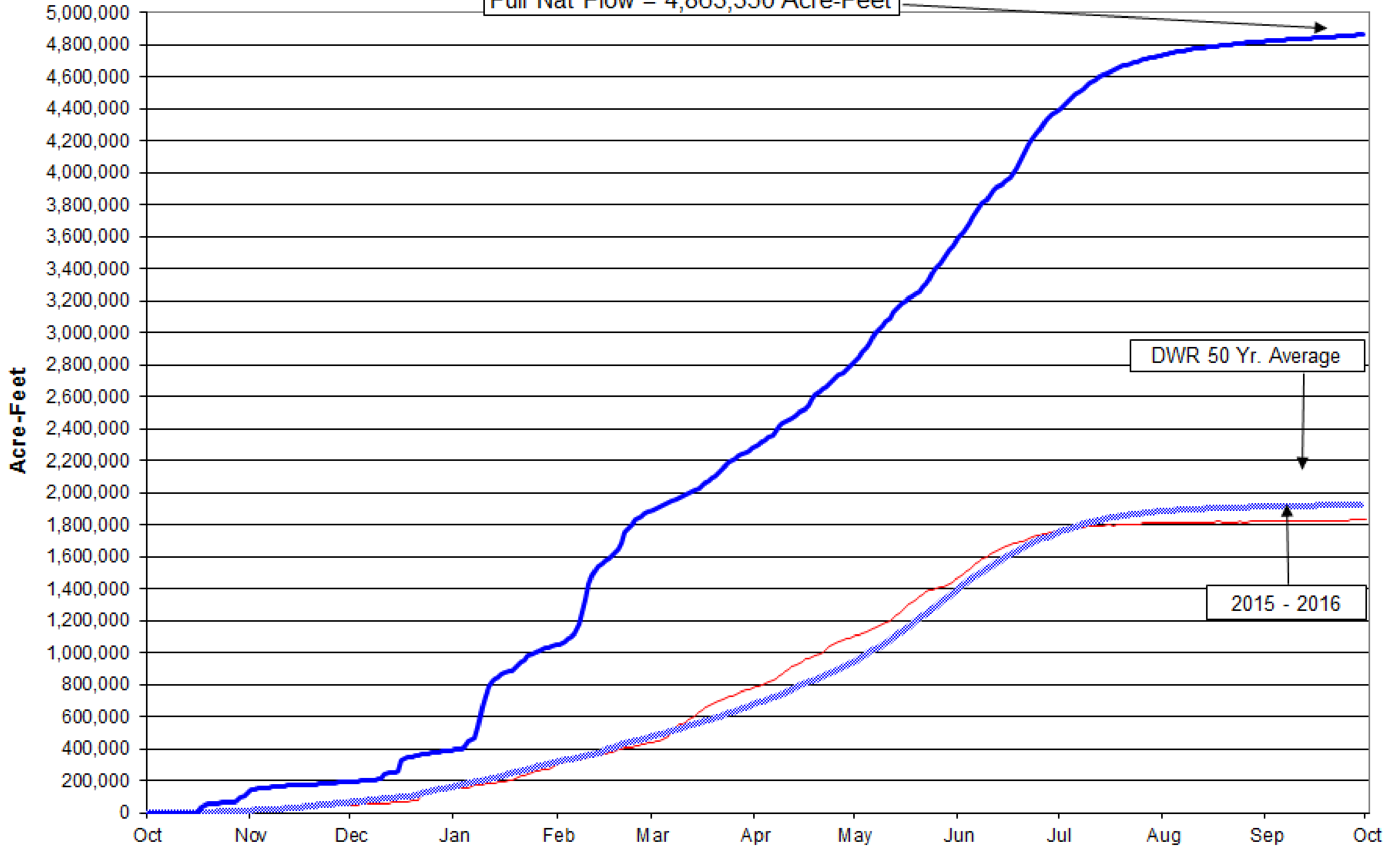
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
DAY	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS
1	272	5,414	867	1,647	2,668	5,513	6,220	9,928	13,092	9,379	2,642	1,138
2	(212)	2,978	38	1,317	3,383	4,697	6,483	11,343	12,903	9,745	1,881	1,203
3	(187)	1,715	954	1,946	6,853	4,734	7,650	13,639	14,953	10,023	2,328	733
4	213	1,949	662	5,473	7,750	4,497	7,321	15,656	17,570	9,478	2,591	1,090
5	468	1,231	725	14,538	5,327	6,001	6,882	14,016	17,246	10,202	1,770	244
6	150	1,082	521	7,479	7,933	5,367	7,342	21,797	15,572	8,443	2,249	494
7	25	1,149	687	4,892	29,308	4,053	13,529	12,996	13,572	7,748	1,834	1,217
8	(118)	1,066	877	35,352	42,774	4,547	14,049	9,970	13,580	8,850	2,186	478
9	317	921	2,129	64,576	40,573	4,963	8,322	11,899	11,800	8,503	1,680	771
10	(186)	1,312	3,728	31,652	48,732	5,130	7,181	12,419	15,623	8,148	1,404	406
11	(26)	366	11,356	28,725	24,626	4,629	5,859	12,848	13,669	7,602	1,724	920
12	378	1,207	4,143	15,647	14,574	6,251	5,872	16,188	10,064	6,242	1,250	1,071
13	(588)	352	2,574	10,021	11,900	5,273	8,040	12,393	6,166	5,801	1,483	(99)
14	916	698	1,919	6,977	9,869	5,838	7,706	8,766	5,980	4,788	762	421
15	276	581	4,211	6,447	8,393	5,842	6,898	9,005	8,645	6,028	1,882	471
16	1,879	537	32,121	5,510	7,828	7,293	5,865	7,190	10,986	5,464	1,116	918
17	14,941	697	6,447	4,006	8,855	8,180	8,022	6,283	13,297	4,890	1,168	368
18	6,171	906	3,356	4,183	9,851	7,692	19,184	6,829	16,187	4,928	1,003	599
19	2,084	(126)	2,634	7,418	8,156	7,407	15,206	7,598	19,647	3,959	1,321	157
20	1,617	508	2,350	9,289	22,394	7,095	9,636	9,243	20,149	3,978	1,266	906
21	1,468	462	1,813	8,934	31,516	10,542	8,684	11,112	18,398	3,073	477	926
22	625	795	1,966	8,526	17,478	15,415	9,026	12,727	17,593	3,180	2,000	1,417
23	995	582	1,539	11,590	11,773	8,514	9,314	14,942	18,240	3,978	1,434	1,258
24	1,594	857	2,661	6,533	12,238	6,997	10,198	16,989	16,075	2,984	1,215	536
25	758	579	1,842	5,469	7,149	6,589	8,721	15,943	13,221	4,062	963	1,152
26	1,431	599	1,099	4,561	4,680	6,797	7,422	15,492	12,145	3,406	831	721
27	901	1,285	1,544	3,303	6,217	7,305	8,766	13,704	13,352	3,171	1,210	58
28	3,111	1,174	1,514	4,163	5,367	4,585	9,578	13,834	11,099	2,713	708	1,270
29	9,835	1,088	1,554	2,912		5,261	7,973	13,762	8,437	2,490	1,050	24
30	4,827	545	1,102	3,646		6,387	8,083	14,040	7,987	2,514	961	606
31	11,729		1,103	3,817		8,125		14,916		1,886	235	
Average C.F.S.	2,118	1,084	3,227	10,663	14,934	6,501	8,834	12,499	13,575	5,731	1,439	716
Total Monthly A.F.	130,247	64,478	198,416	655,633	829,418	399,705	525,686	768,530	807,766	352,375	88,509	42,588
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= 4,863,350 A.F.
 Remaining = (2,953,350)

APR-JLY = 2,454,357 A.F.
 Remaining = (1,261,357)

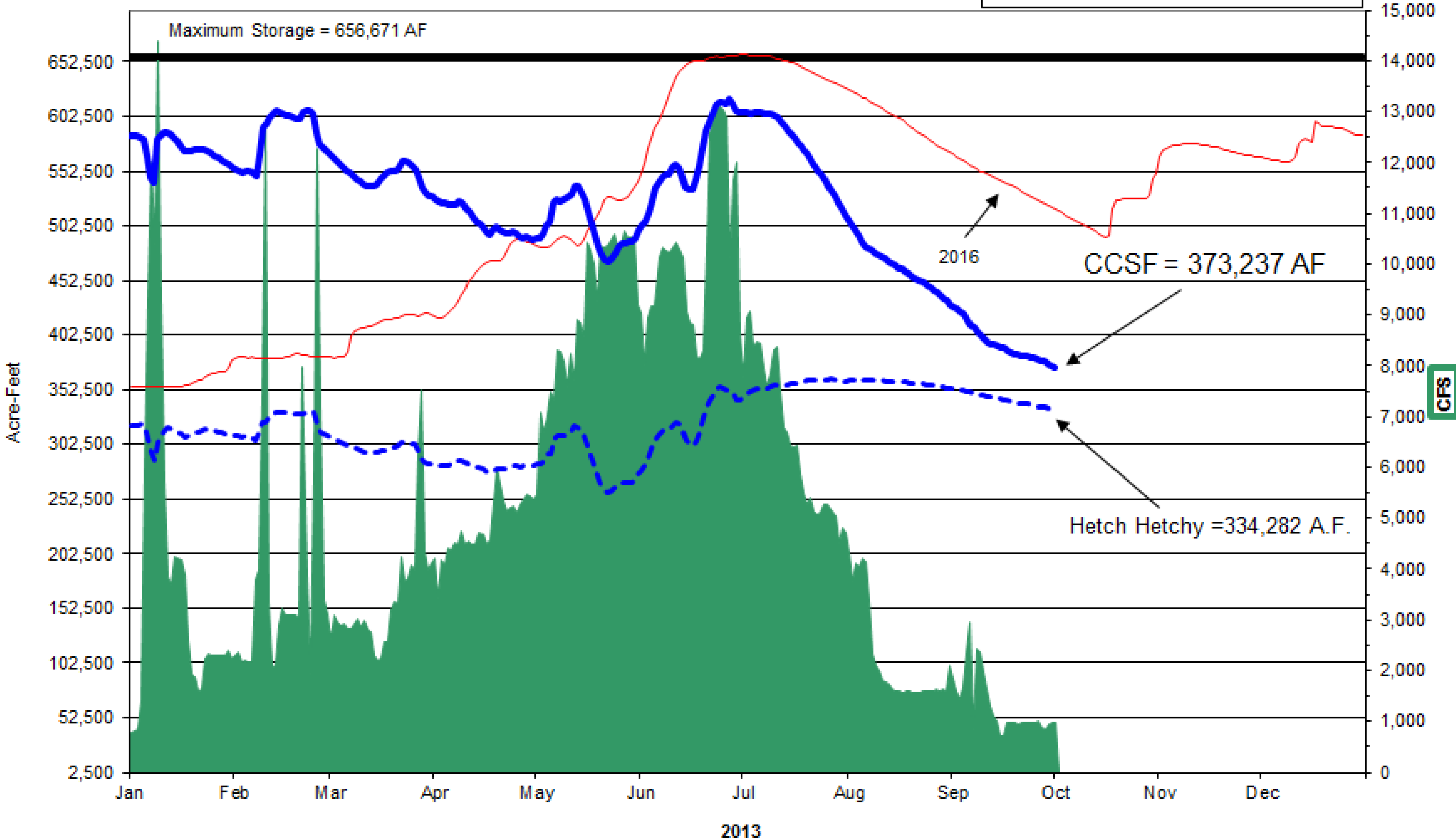
Full Natural Flow

Full Nat Flow = 4,863,350 Acre-Feet



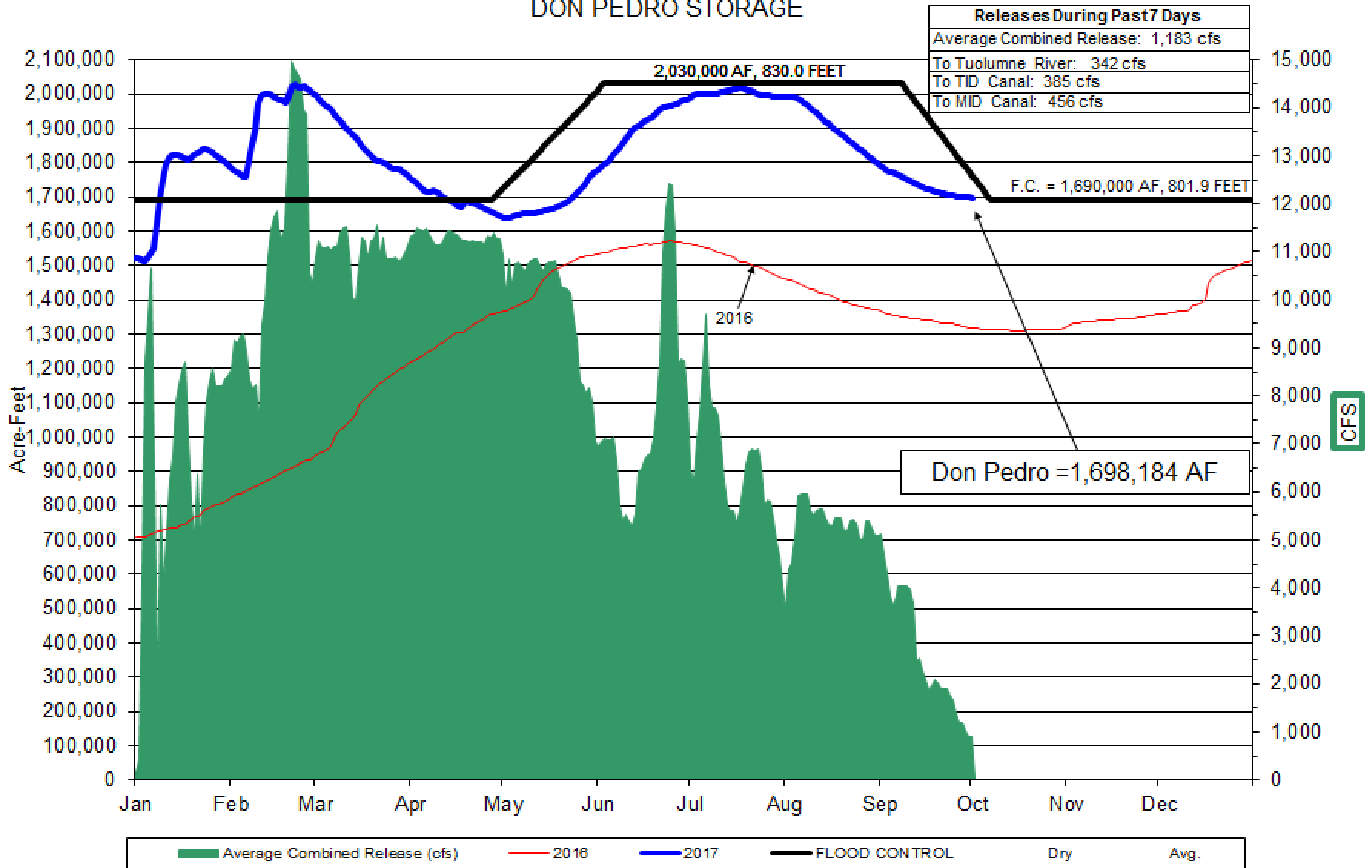
CCSF Total Storage

7-Day Average Release: 937 cfs
 7-Day Average Diversion: 365 cfs

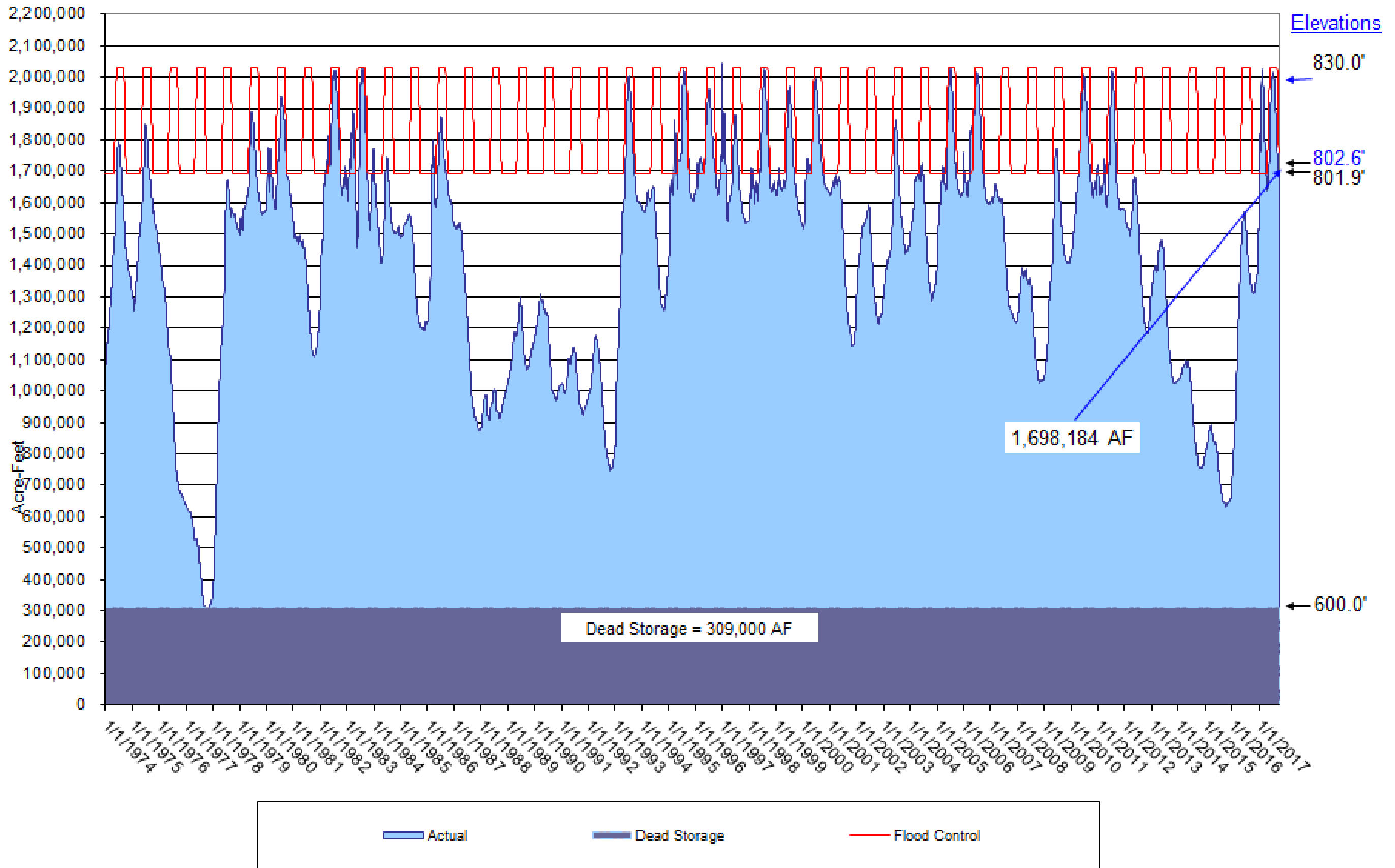


■ Releases (cfs)
 Max Storage
 — CCSF 2016
 — CCSF 2017
 - - - Hetch Hetchy

DON PEDRO STORAGE

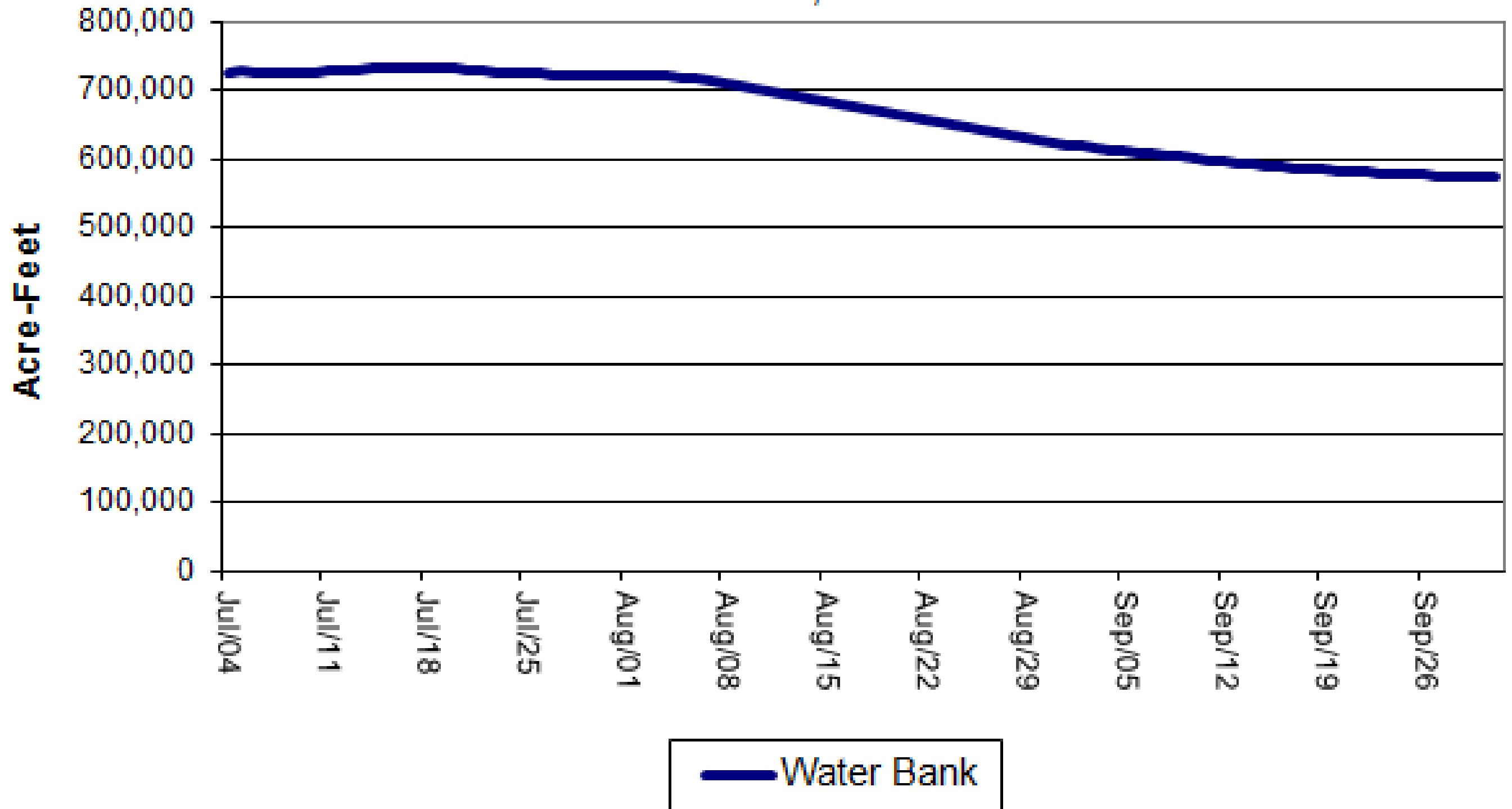


HISTORIC DON PEDRO STORAGE



Don Pedro Water Bank

Water Bank = 574,092 Acre-Feet



Turlock Lake Storage

