

Water Report

January 17, 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, 16 JAN 2017 at 12Z

-to-

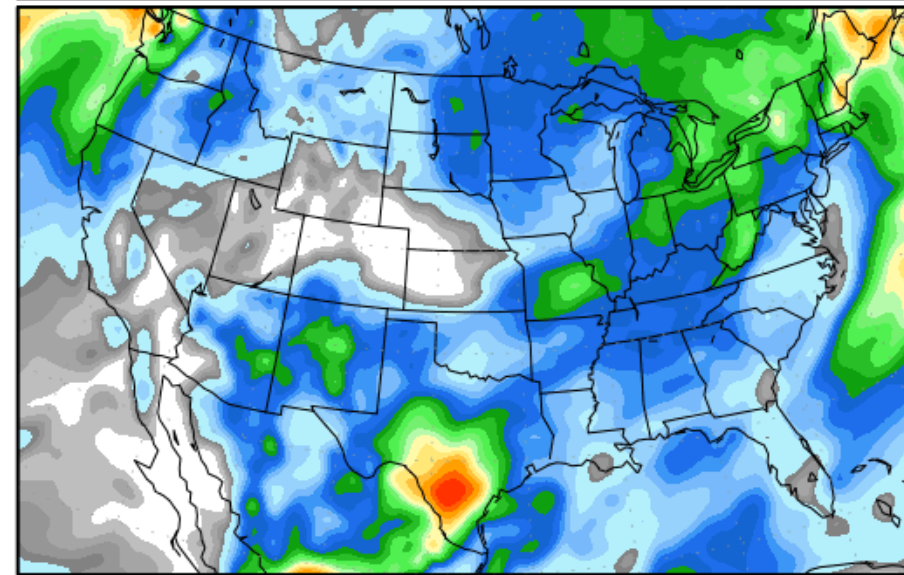
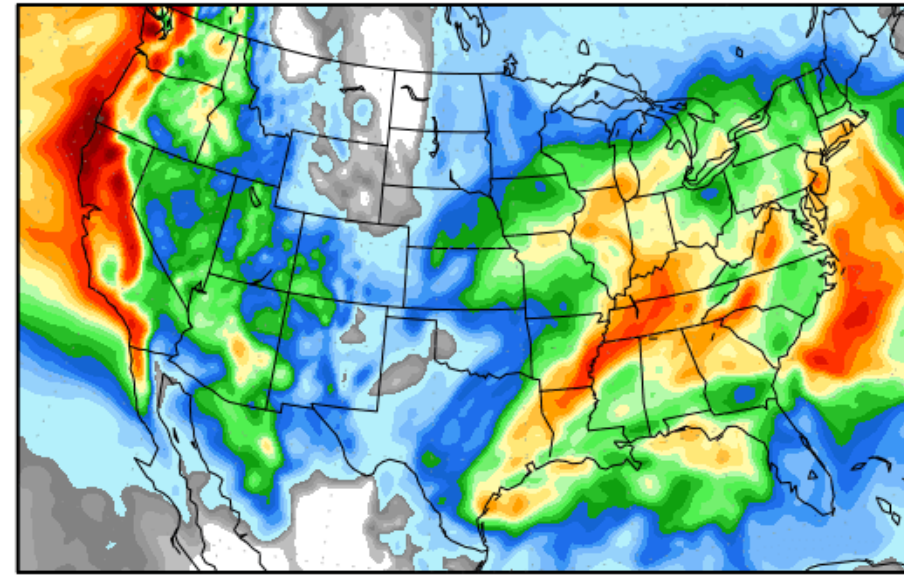
Tue, 24 JAN 2017 at 12Z



Tue, 24 JAN 2017 at 12Z

-to-

Wed, 01 FEB 2017 at 12Z

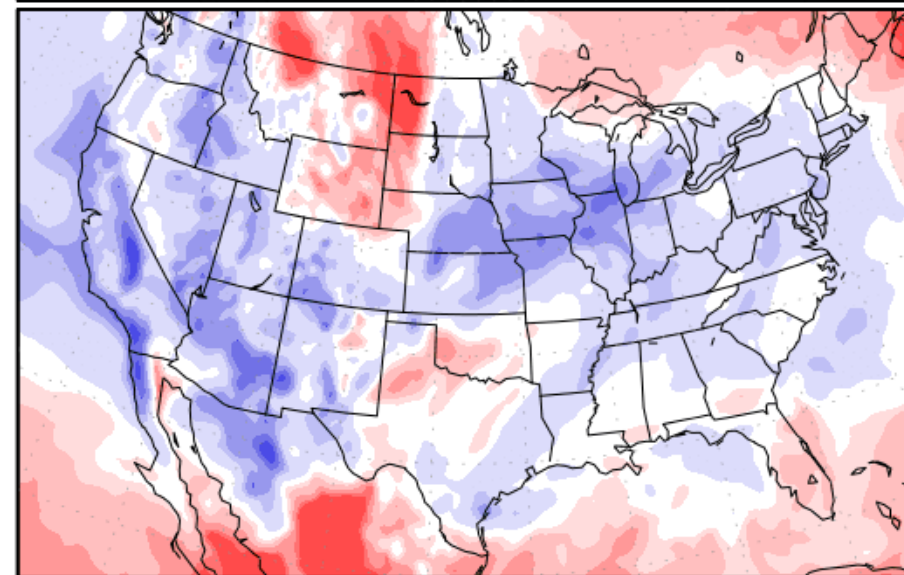
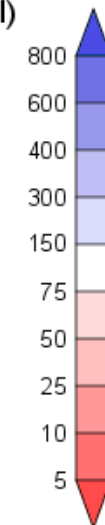


Precipitation (% of normal)
during the first period:

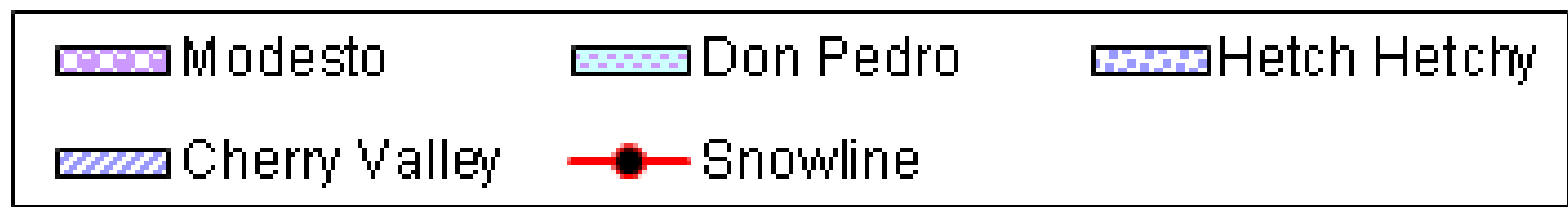
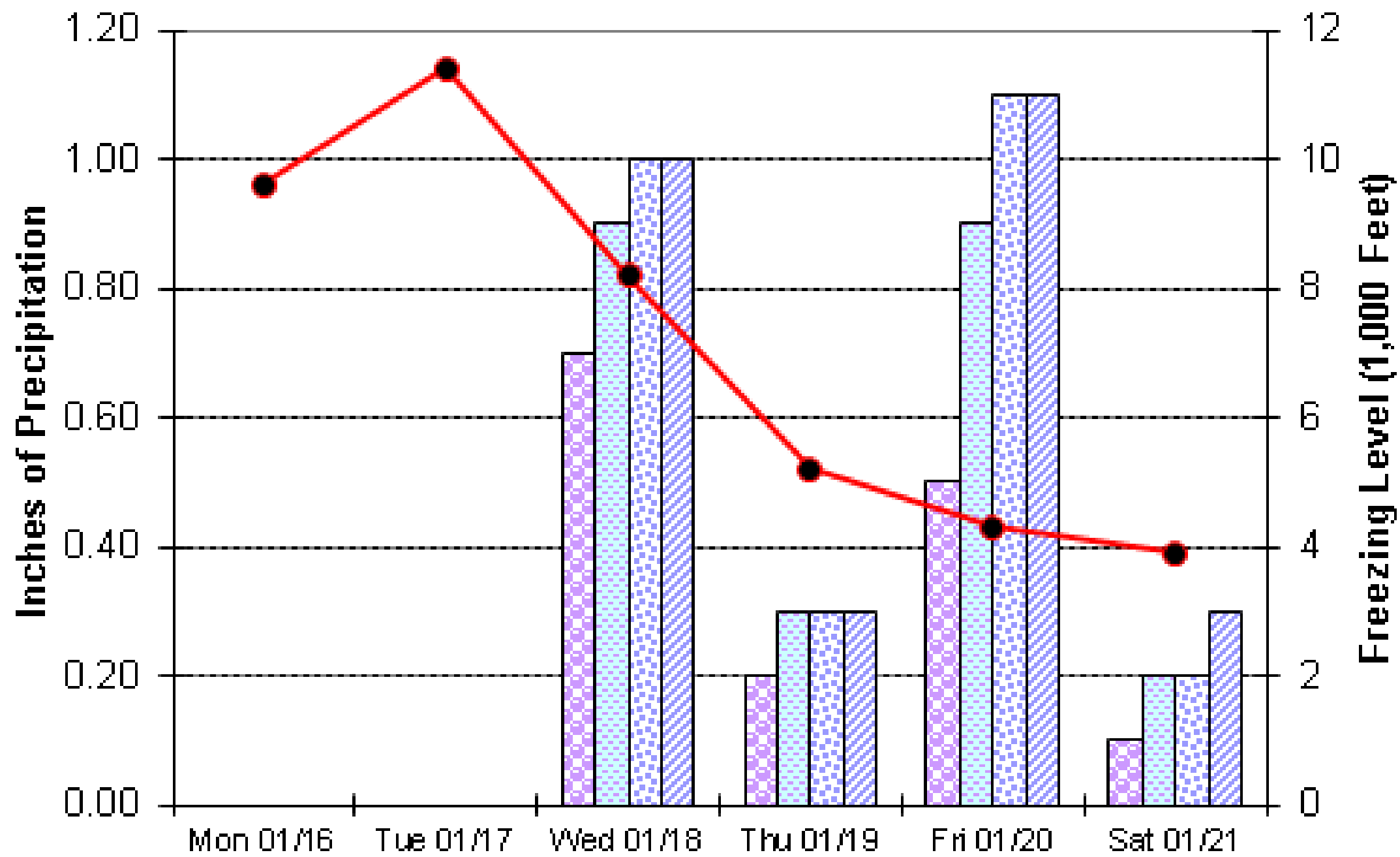
Mon, 16 JAN 2017 at 12Z

-to-

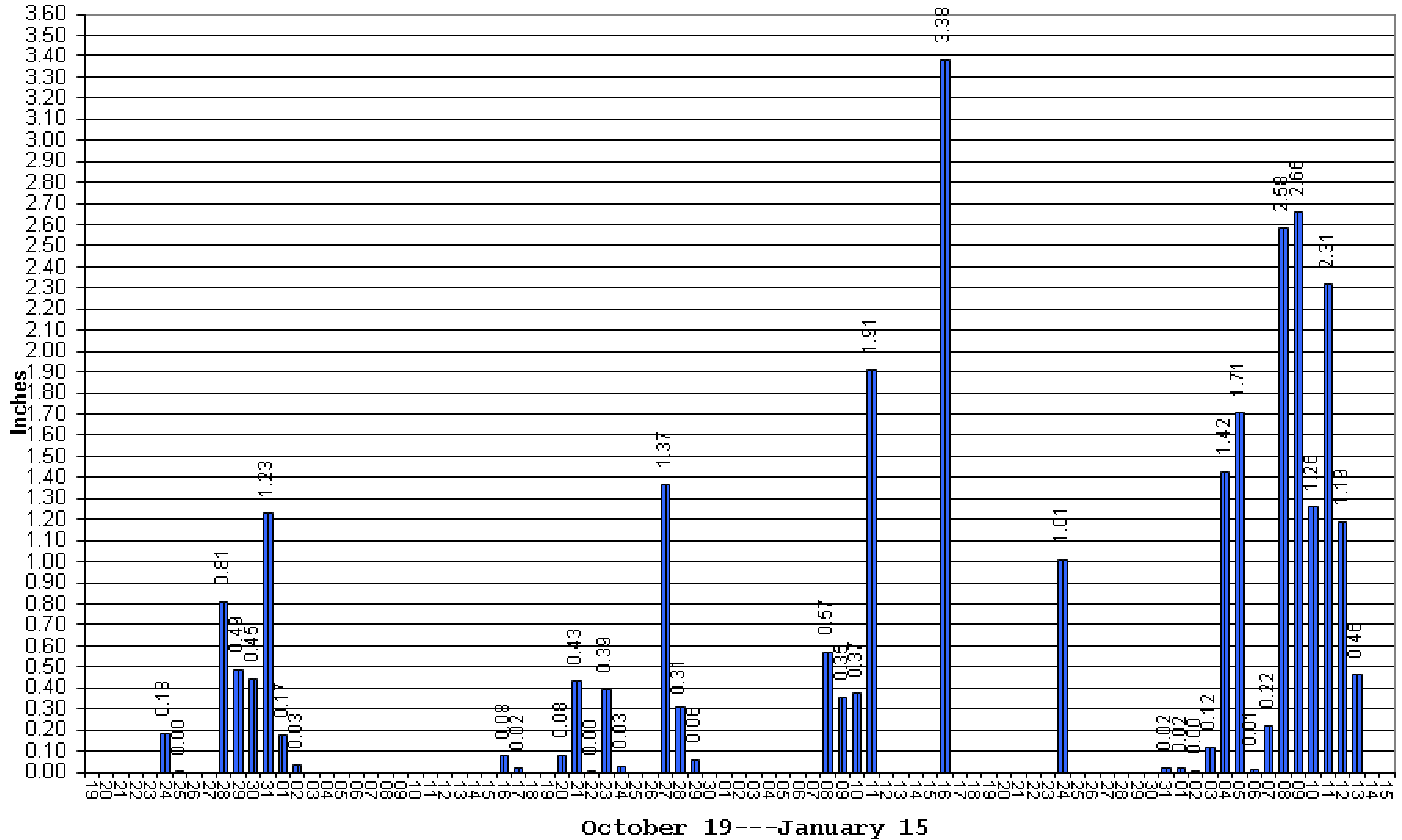
Tue, 24 JAN 2017 at 12Z



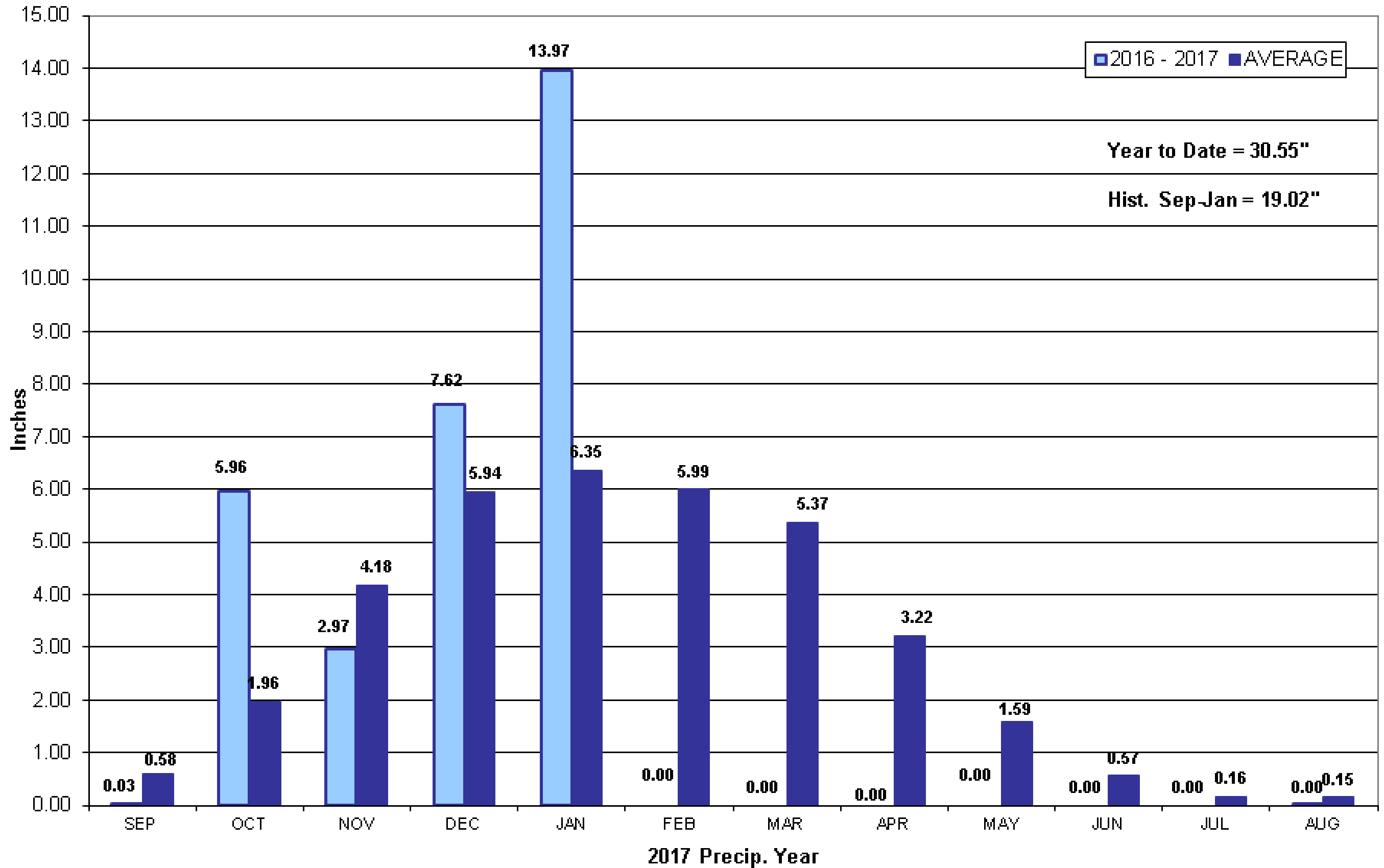
Precipitation forecasts from the National Centers for Environmental Prediction.
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
Forecast Initialization Time: 12Z16JAN2017



Watershed Daily Precipitation

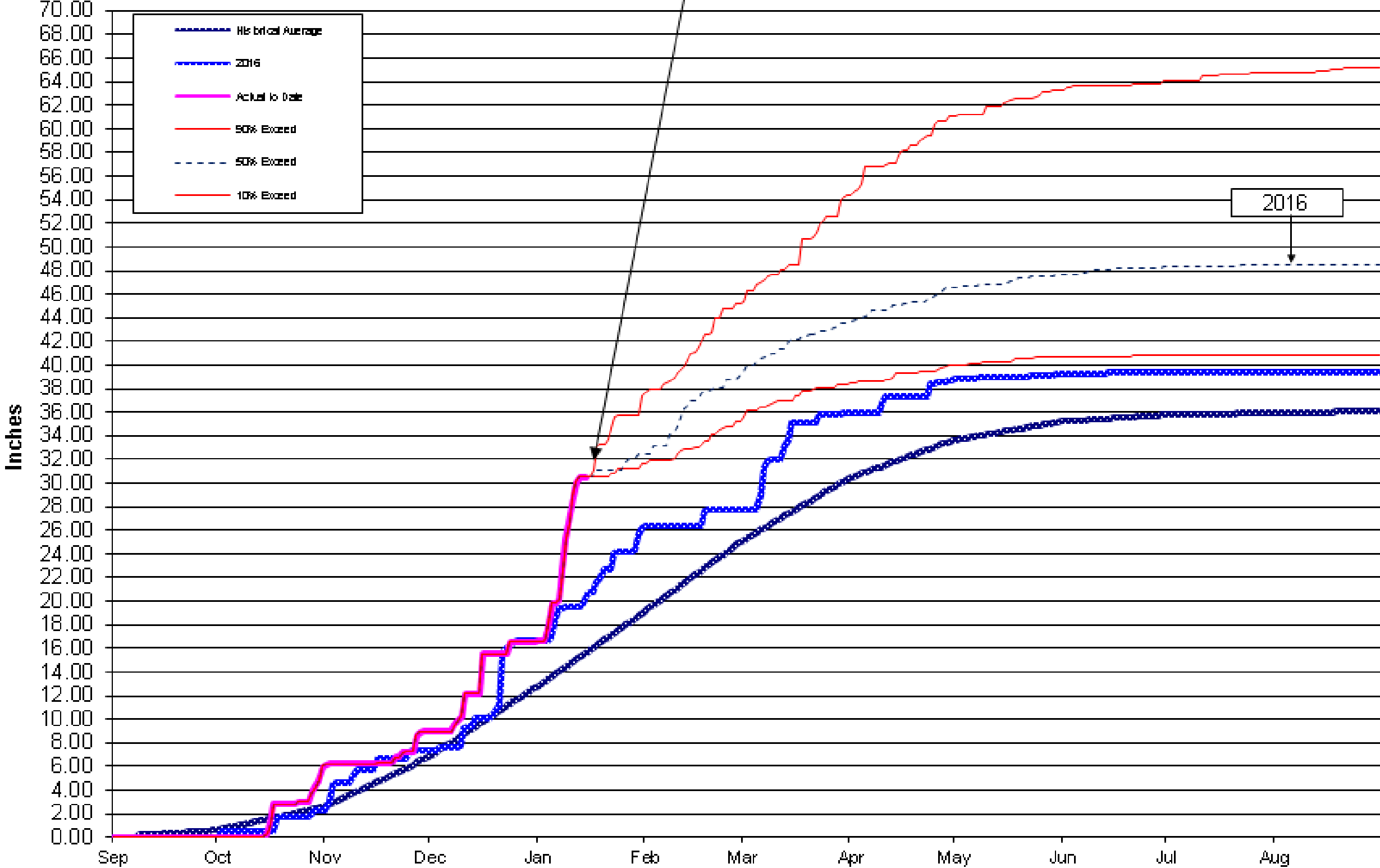


Tuolumne River Watershed Monthly Accumulation of Precipitation

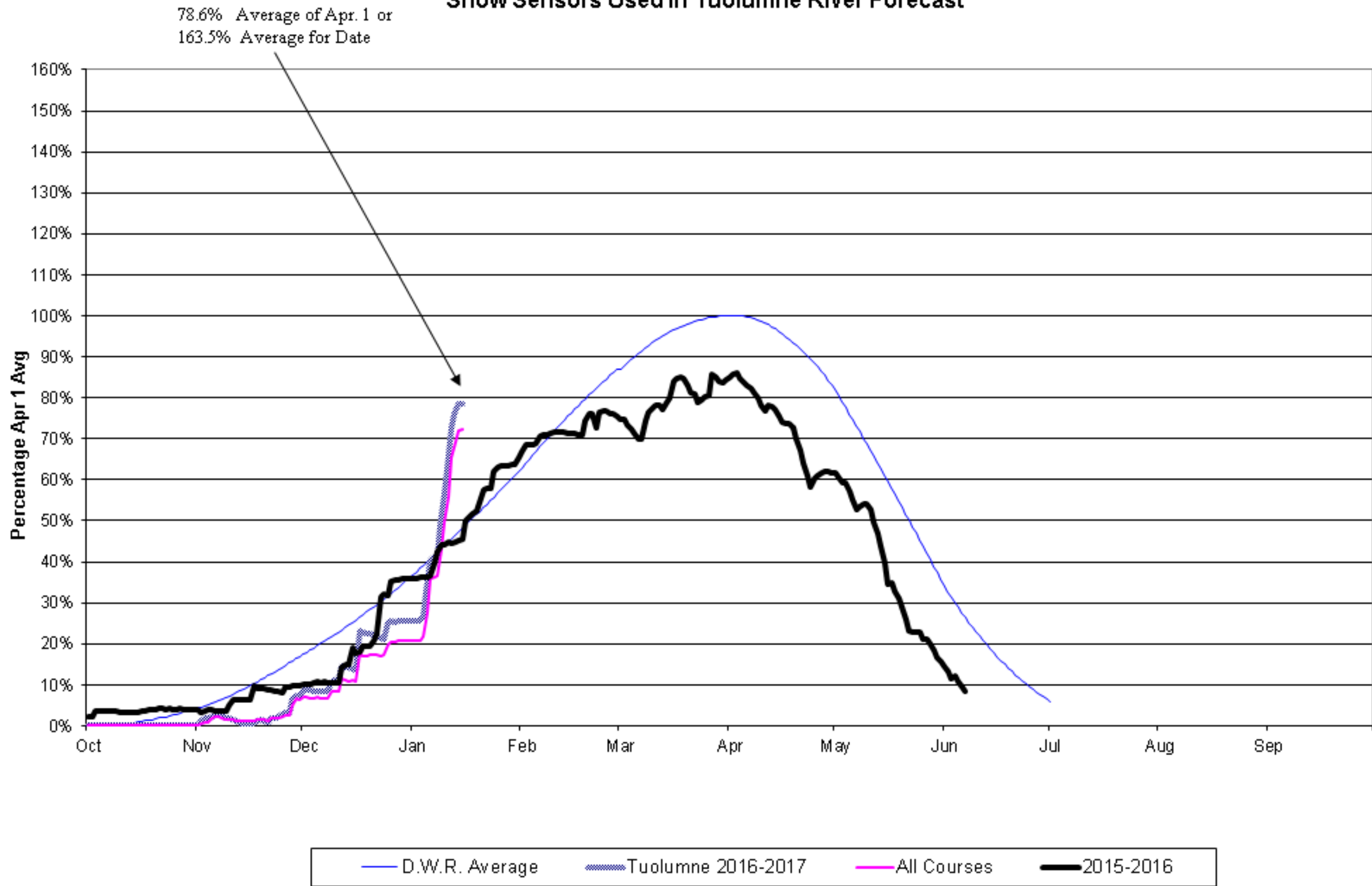


Tuolumne River Watershed Accumulated Precipitation

30.55 Inches or 194.1% for this date



Snow Sensors Used in Tuolumne River Forecast

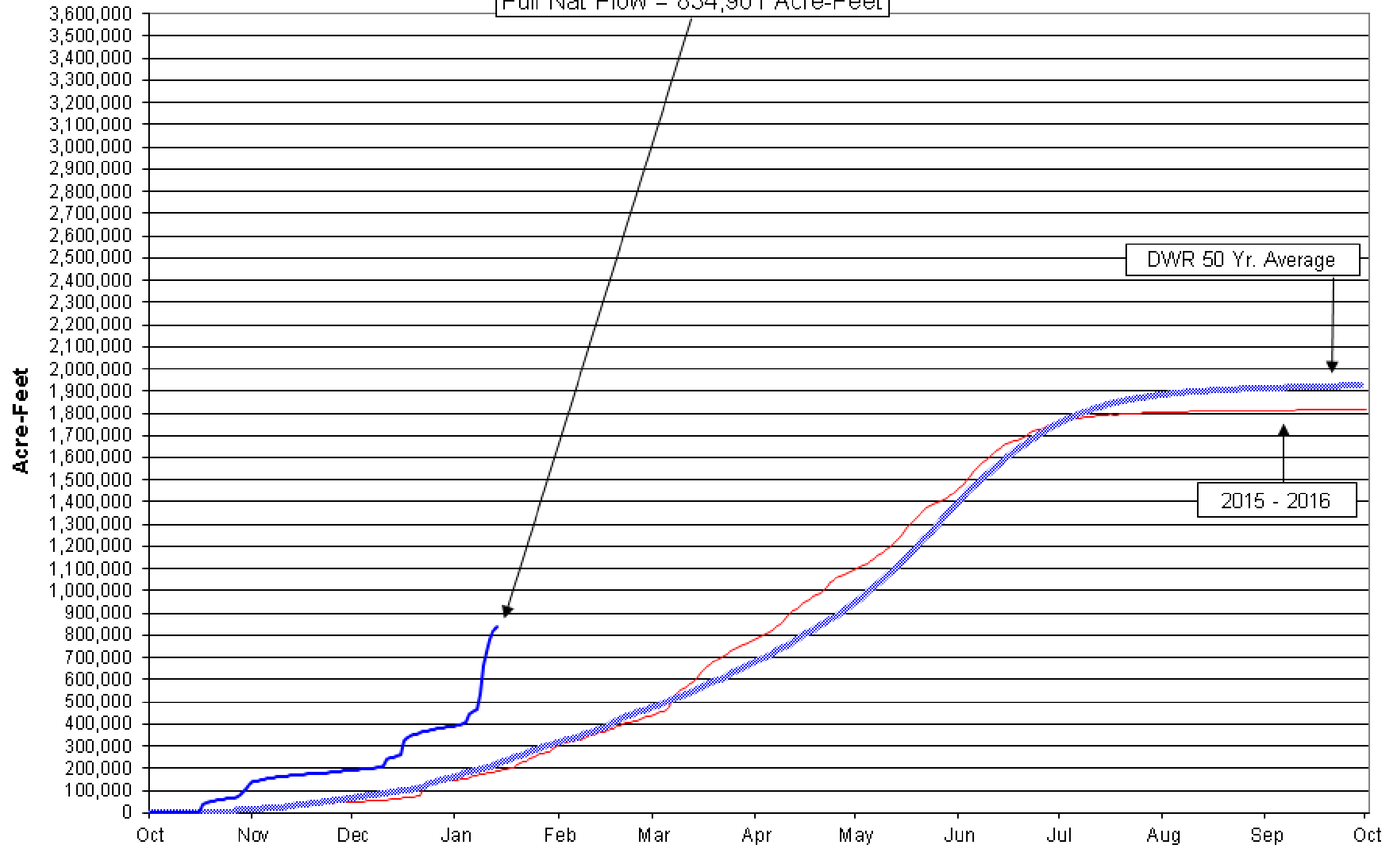


WY2017 Computed Natural Flow

	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	(255)	2,982	38	1,317								
3	(211)	1,714	954	1,946								
4	183	1,955	662	5,473								
5	398	1,231	725	14,538								
6	118	1,083	521	7,479								
7	(8)	1,150	687	4,892								
8	(147)	1,066	877	35,352								
9	272	921	2,129	64,576								
10	(234)	1,312	3,728	31,652								
11	(41)	366	11,356	28,725								
12	314	1,207	4,143	15,647								
13	(619)	352	2,574	10,021								
14	863	698	1,919									
15	236	581	4,211									
16	1,883	537	32,121									
17	14,942	697	6,447									
18	6,170	906	3,356									
19	2,078	(126)	2,634									
20	1,605	508	2,350									
21	1,484	462	1,813									
22	637	795	1,966									
23	997	582	1,539									
24	1,603	857	2,661									
25	767	579	1,842									
26	1,442	599	1,099									
27	897	1,285	1,544									
28	3,110	1,174	1,514									
29	9,835	1,088	1,554									
30	4,829	545	1,102									
31	11,737		1,103									
Average C.F.S.	2,100	1,084	3,227	17,174								
Total Monthly A.F.	129,134	64,511	198,416	442,840								
DWR 50 YR Average A.F.	20,000	50,000	88,000	153,000	154,000	209,000	270,000	455,000	359,000	137,000	33,000	16,000
Total October-September Computed Natural Flow=				834,901 A.F.					APR-JLY =	0 A.F.		
			Remaining =	1,109,099					Remaining =	1,221,000		

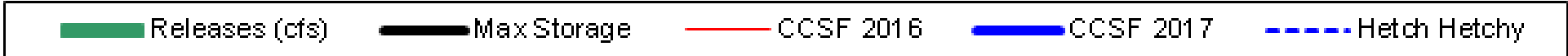
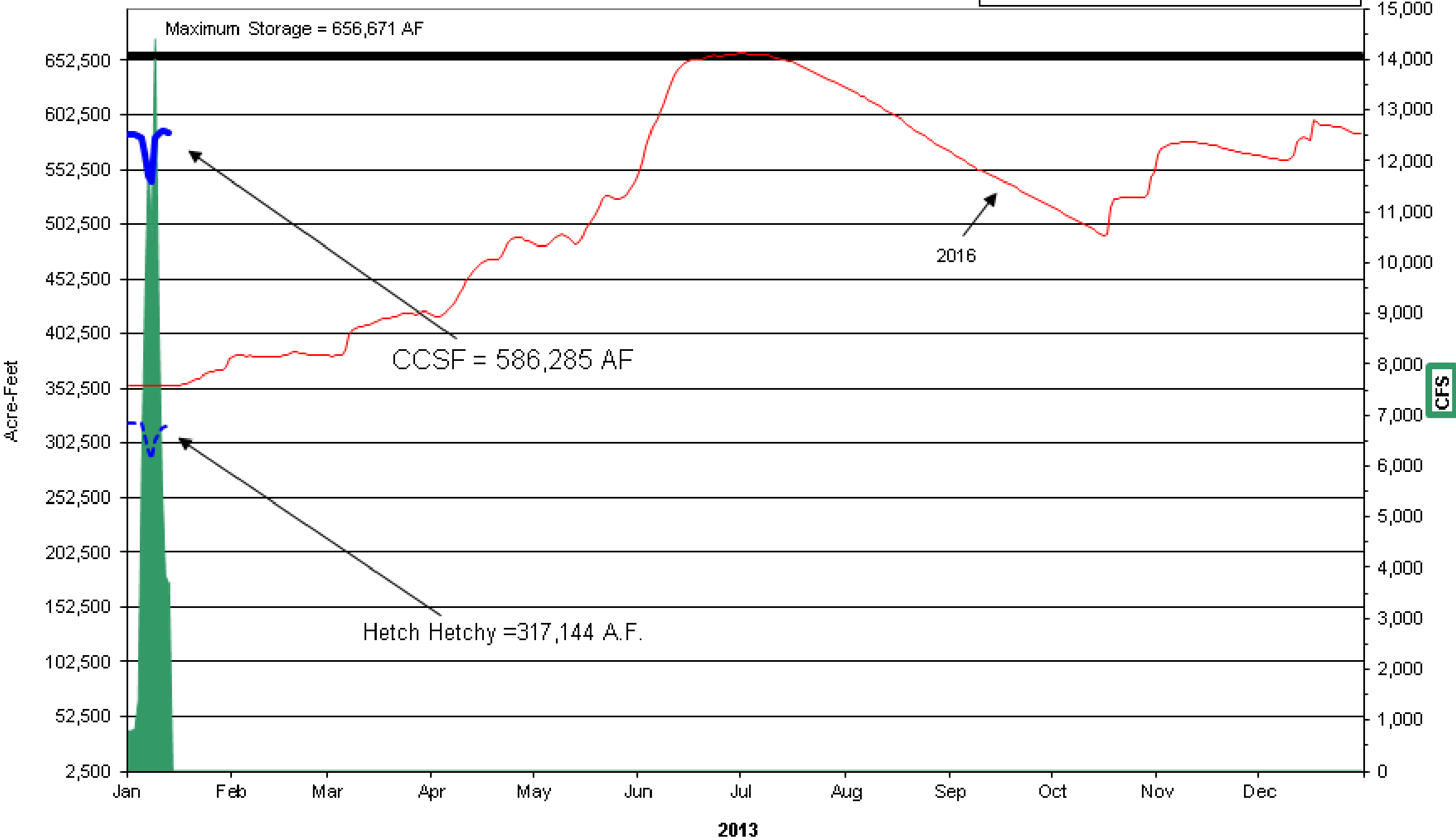
Full Natural Flow

Full Nat Flow = 834,901 Acre-Feet



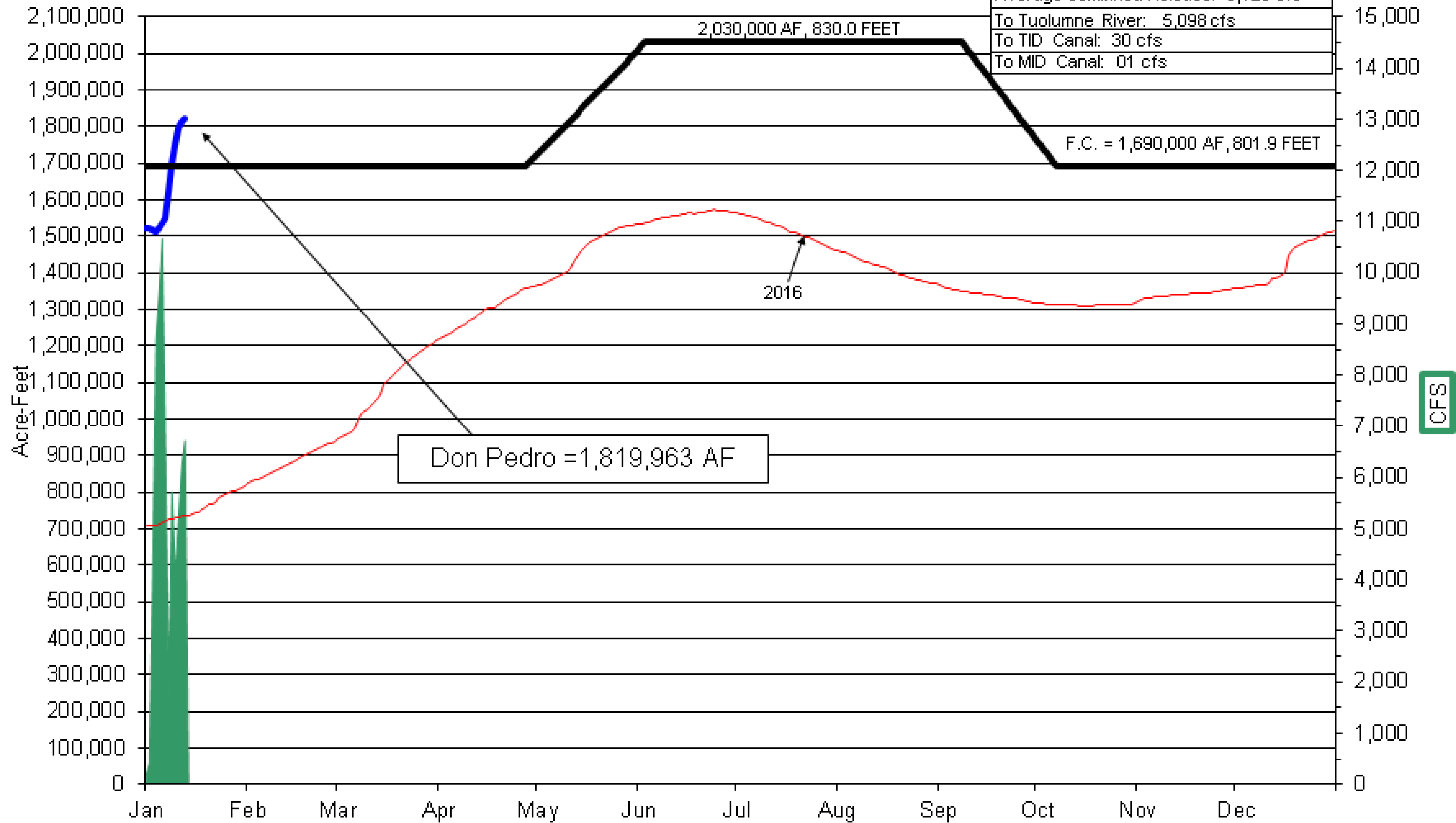
CCSF Total Storage

7-Day Average Release: 8,472 cfs
 7-Day Average Diversion: 00 cfs



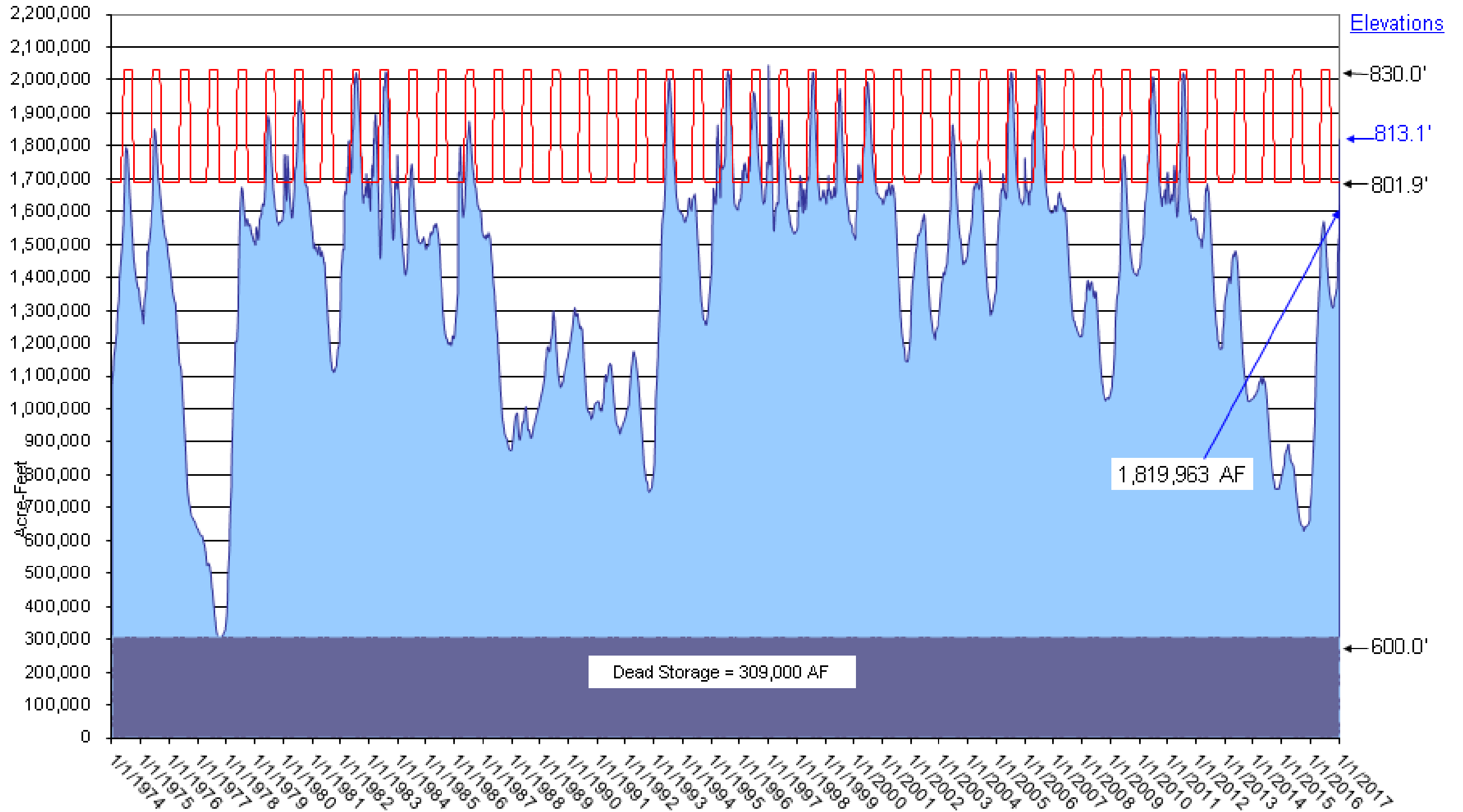
DON PEDRO STORAGE

Releases During Past 7 Days	
Average Combined Release:	5,128 cfs
To Tuolumne River:	5,098 cfs
To TID Canal:	30 cfs
To MID Canal:	01 cfs



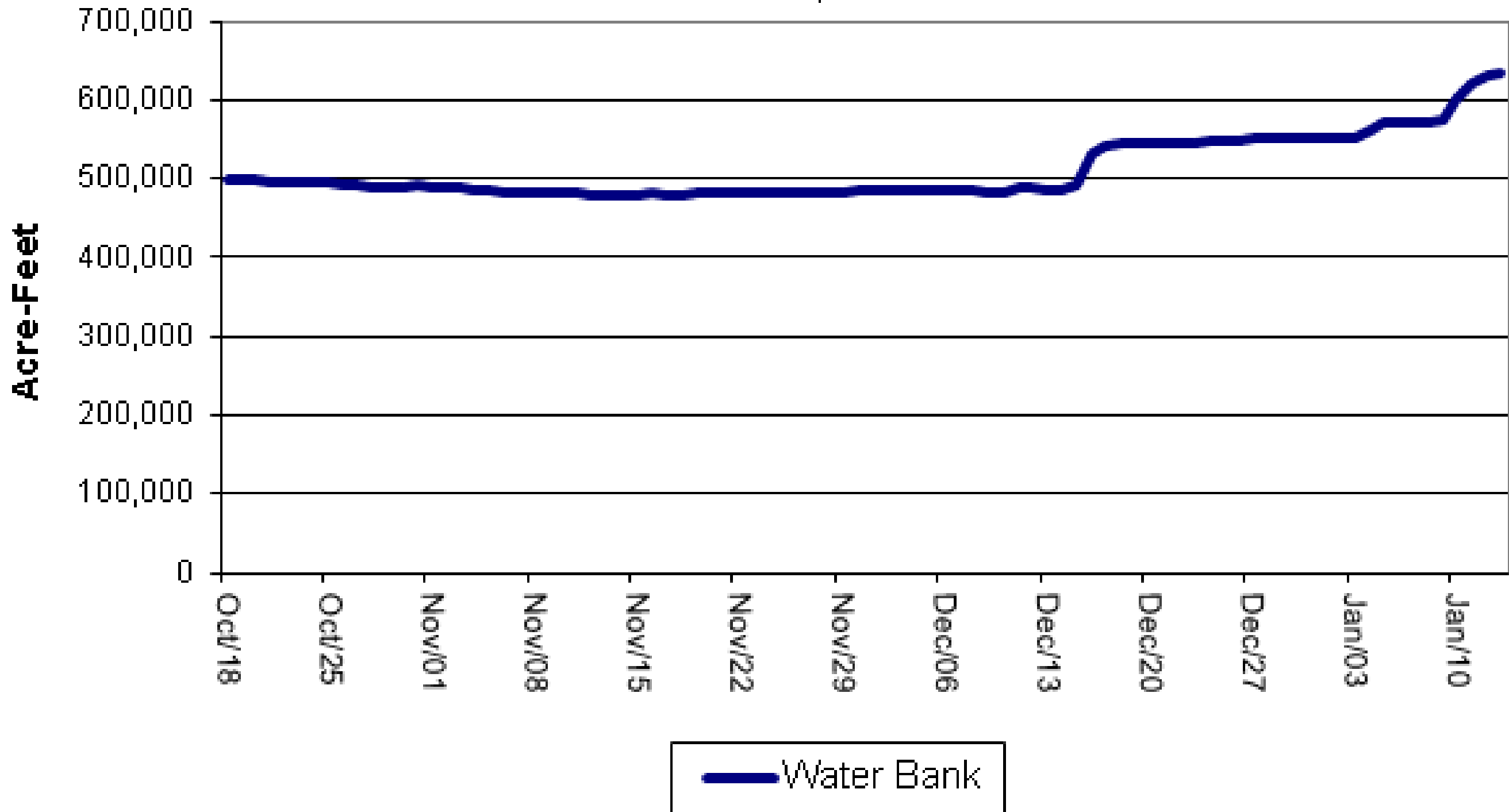
█ Average Combined Release (cfs)
 — 2016
 — 2017
 — FLOOD CONTROL
 Dry
 Avg.

HISTORIC DON PEDRO STORAGE



Don Pedro Water Bank

Water Bank = 634,982 Acre-Feet



Turlock Lake Storage

