

# Water Report

January 31, 2017

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



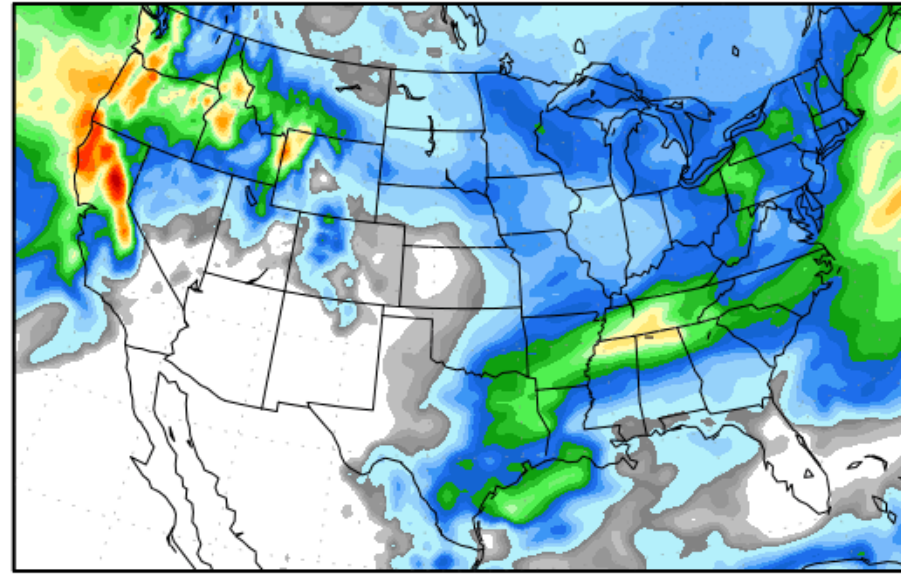
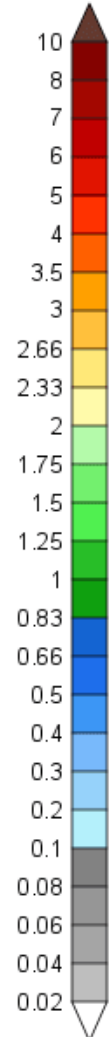
# Precipitation Forecasts

Precipitation (in)  
during the period:

Mon, 30 JAN 2017 at 12Z

-to-

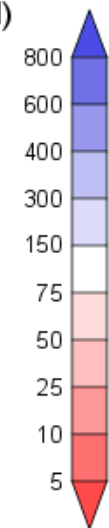
Tue, 07 FEB 2017 at 12Z



Tue, 07 FEB 2017 at 12Z

-to-

Wed, 15 FEB 2017 at 12Z

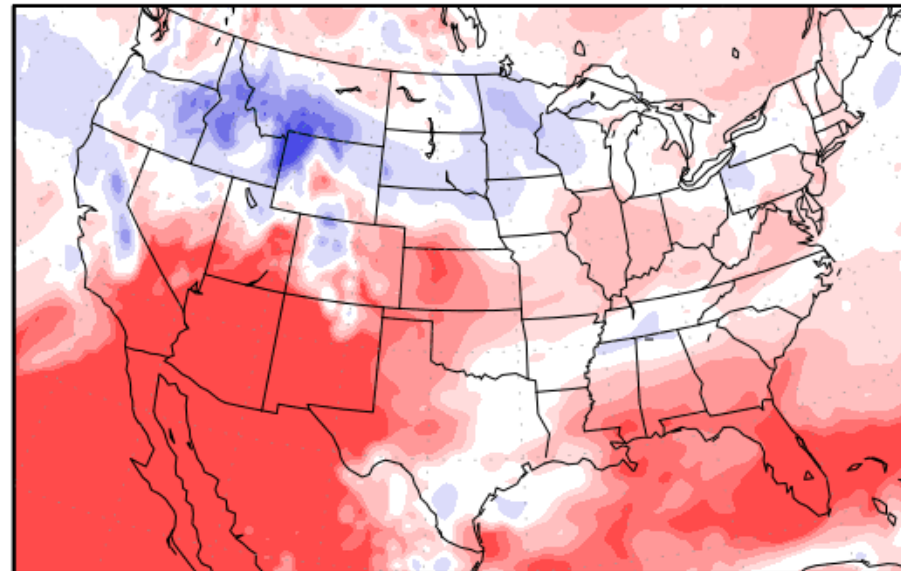


Precipitation (% of normal)  
during the first period:

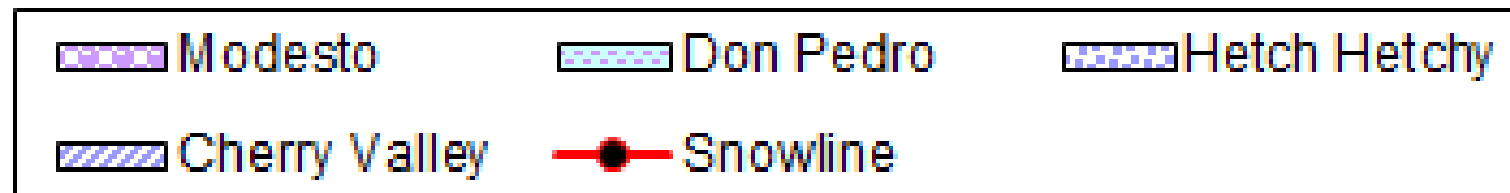
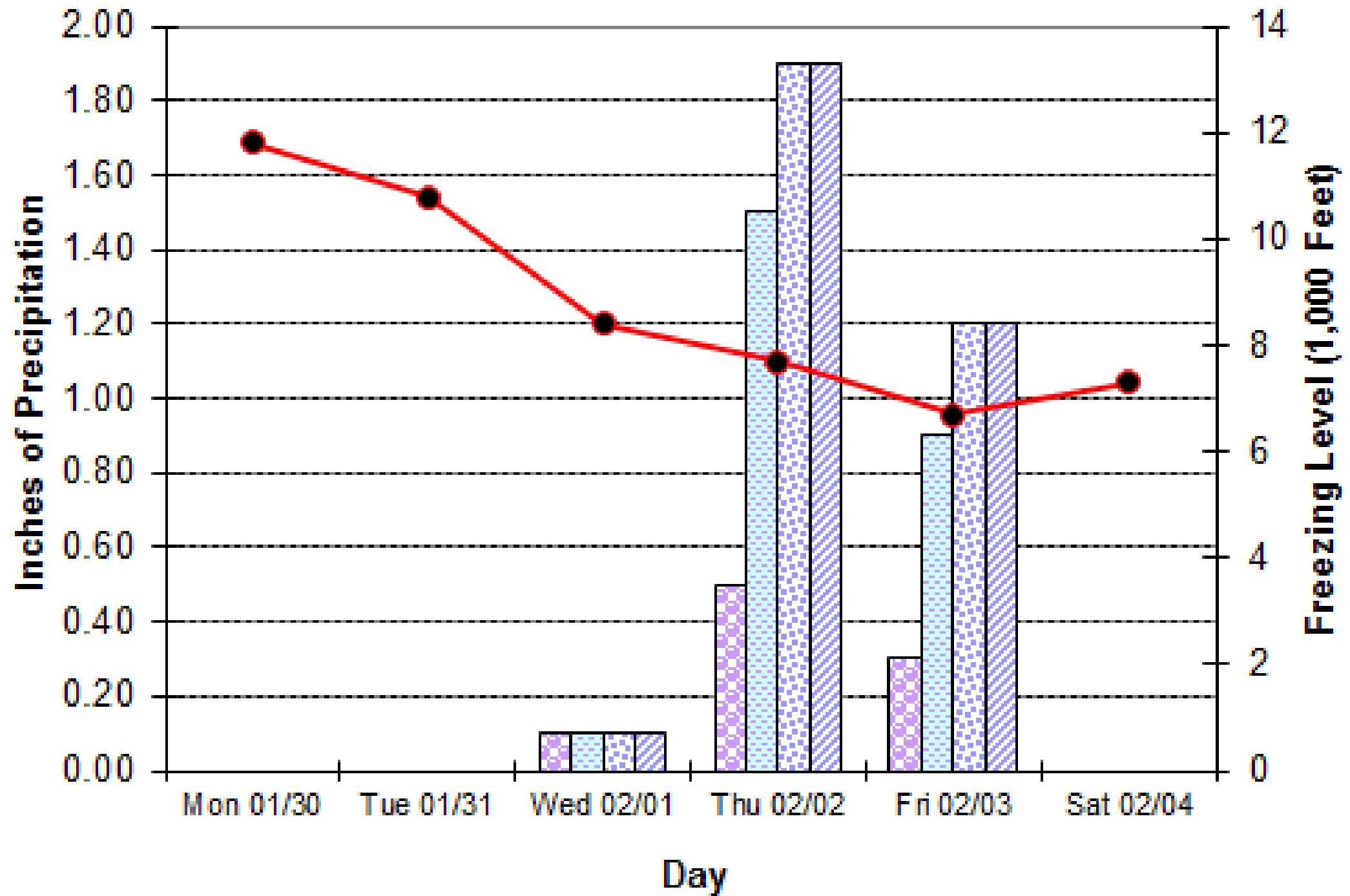
Mon, 30 JAN 2017 at 12Z

-to-

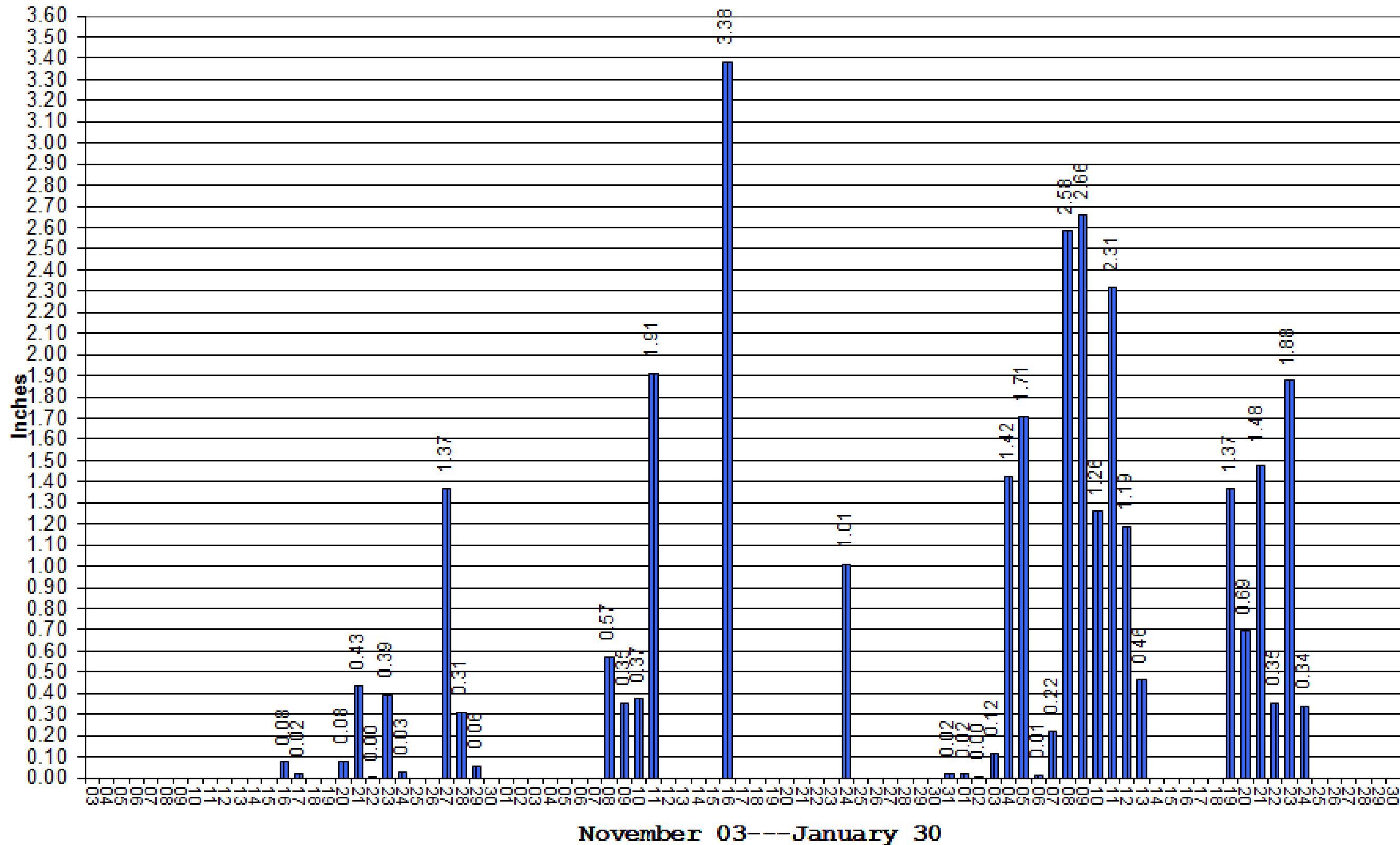
Tue, 07 FEB 2017 at 12Z



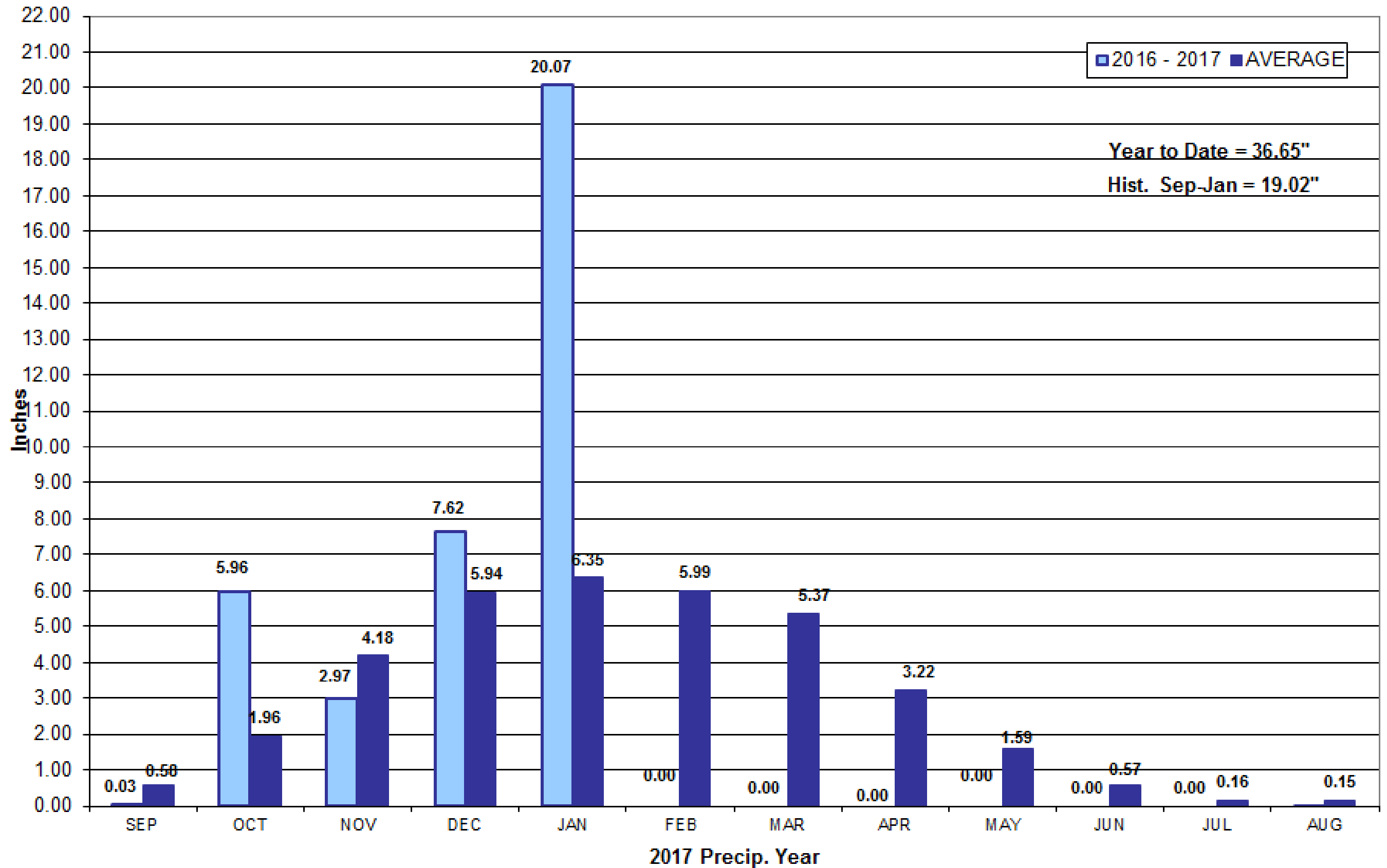
Precipitation forecasts from the National Centers for Environmental Prediction.  
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.  
Forecast Initialization Time: 12Z30JAN2017



# Watershed Daily Precipitation

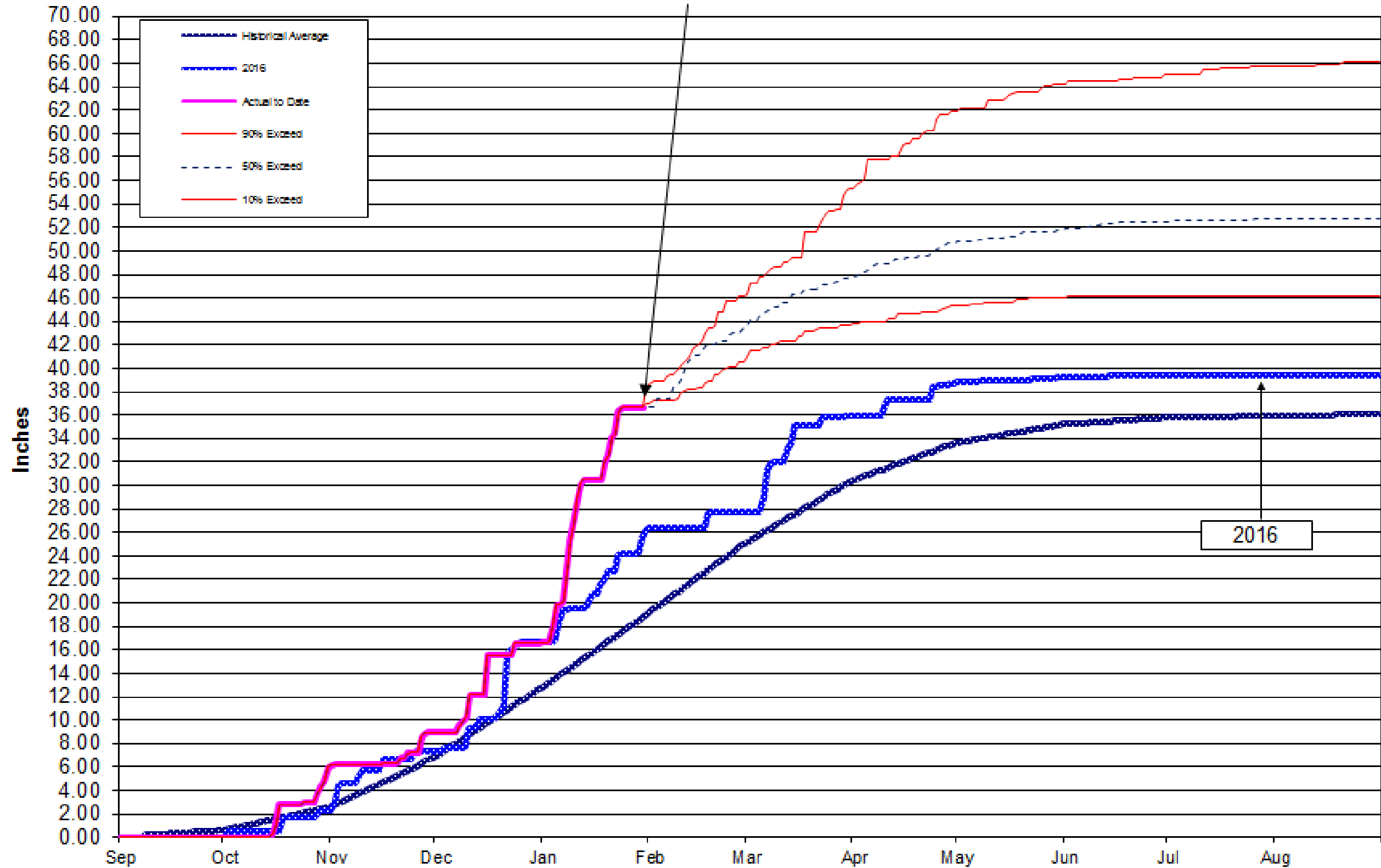


# Tuolumne River Watershed Monthly Accumulation of Precipitation

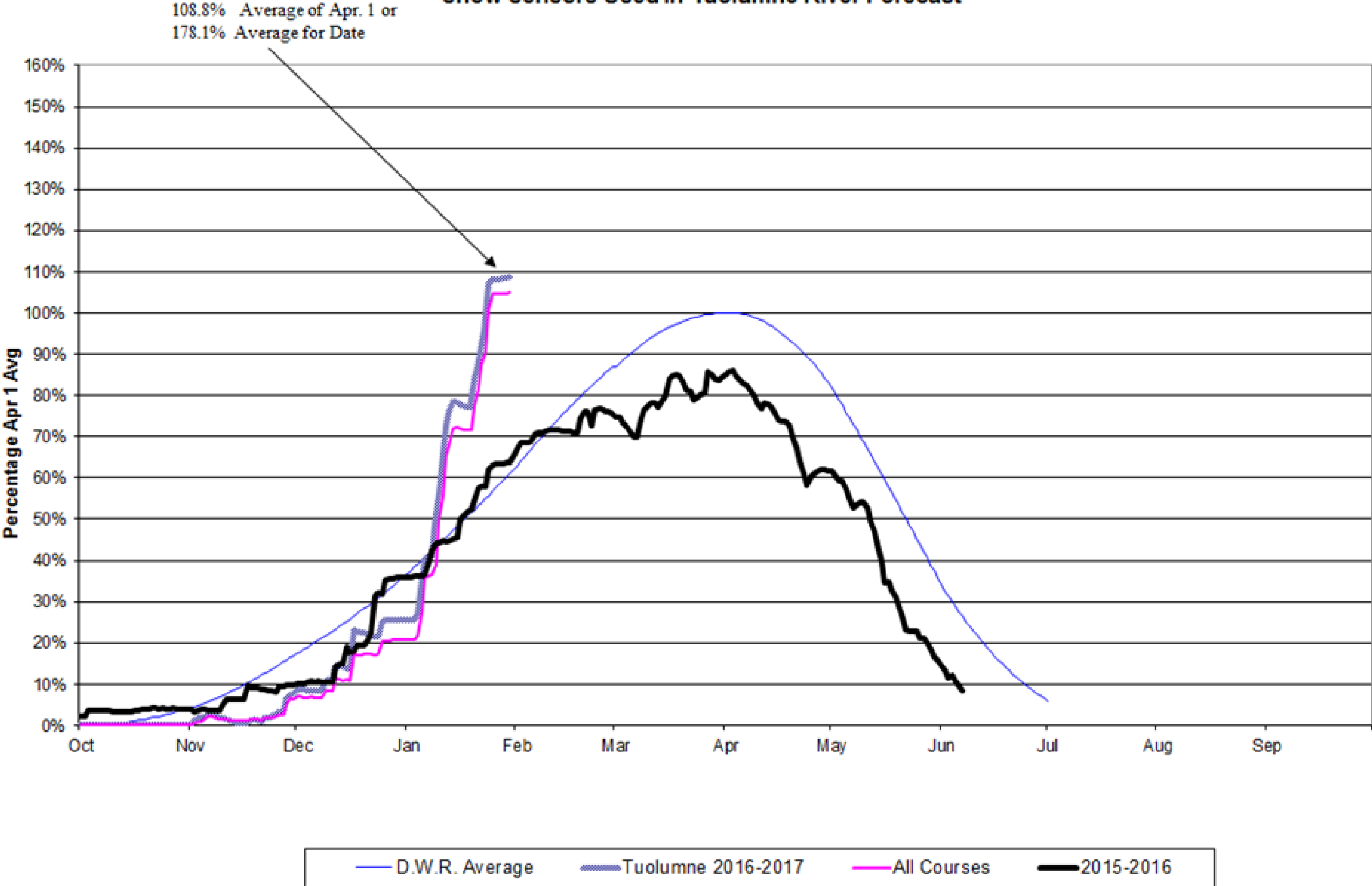


# Tuolumne River Watershed Accumulated Precipitation

36.65 Inches or 194.8% for this date



### Snow Sensors Used in Tuolumne River Forecast



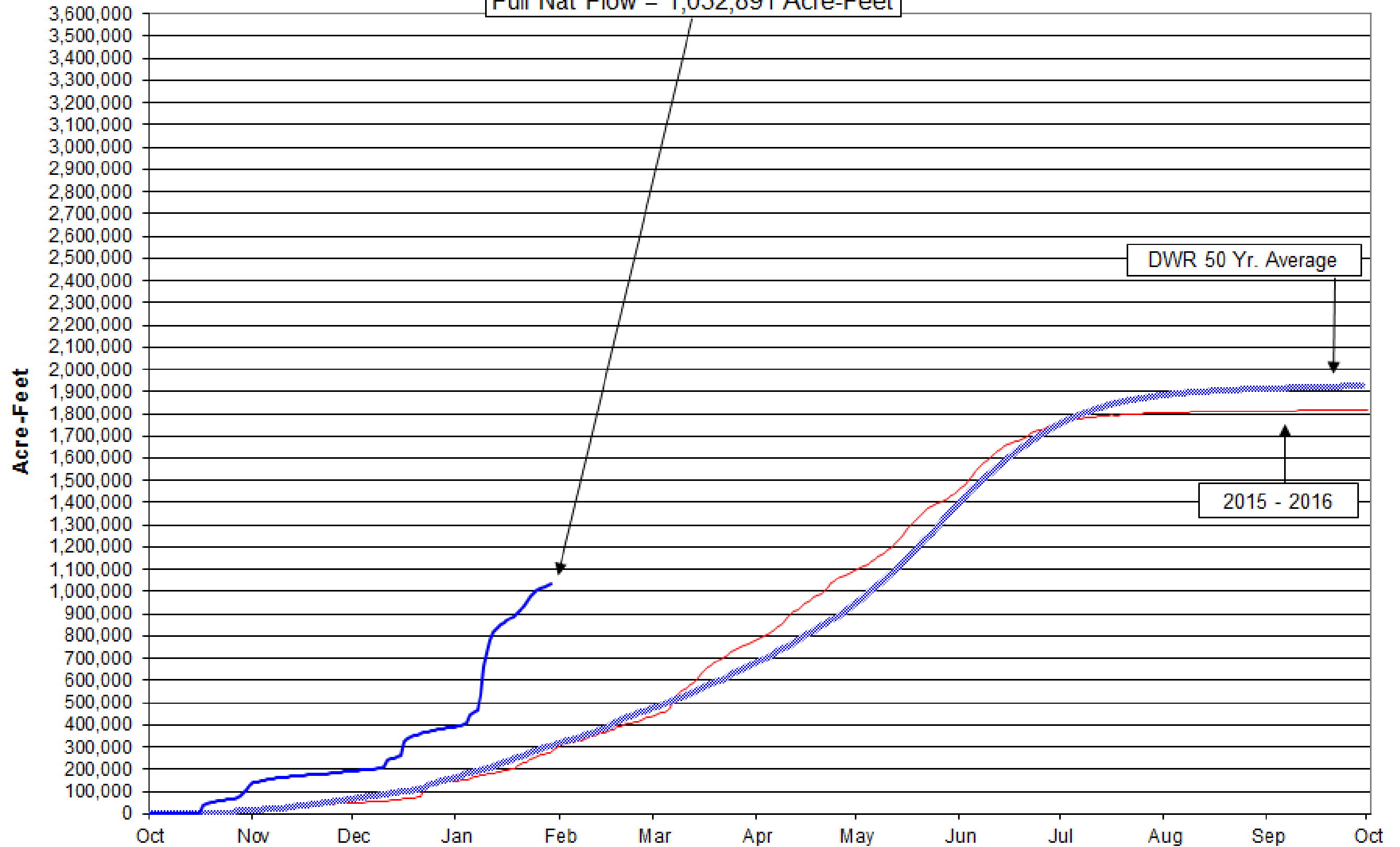
WY2017 Computed Natural Flow

	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	6,977								
15	236	581	4,211	6,447								
16	1,883	537	32,121	5,510								
17	14,942	697	6,447	4,006								
18	6,170	906	3,356	4,183								
19	2,078	(126)	2,634	7,418								
20	1,605	508	2,350	9,289								
21	1,484	462	1,813	8,934								
22	637	795	1,966	8,526								
23	997	582	1,539	11,590								
24	1,603	857	2,661	6,533								
25	767	579	1,842	5,469								
26	1,442	599	1,099	4,561								
27	897	1,285	1,544	3,303								
28	3,110	1,174	1,514	4,163								
29	9,835	1,088	1,554	2,912								
30	4,829	545	1,102									
31	11,737		1,103									
Average C.F.S.	2,100	1,084	3,227	11,141								
Total Monthly A.F.	129,134	64,511	198,416	640,830								
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
<b>Total October-September Computed Natural Flow=</b>				1,032,891	A.F.					APR-JLY =	0 A.F.	
			Remaining =	911,109					Remaining =	1,221,000		



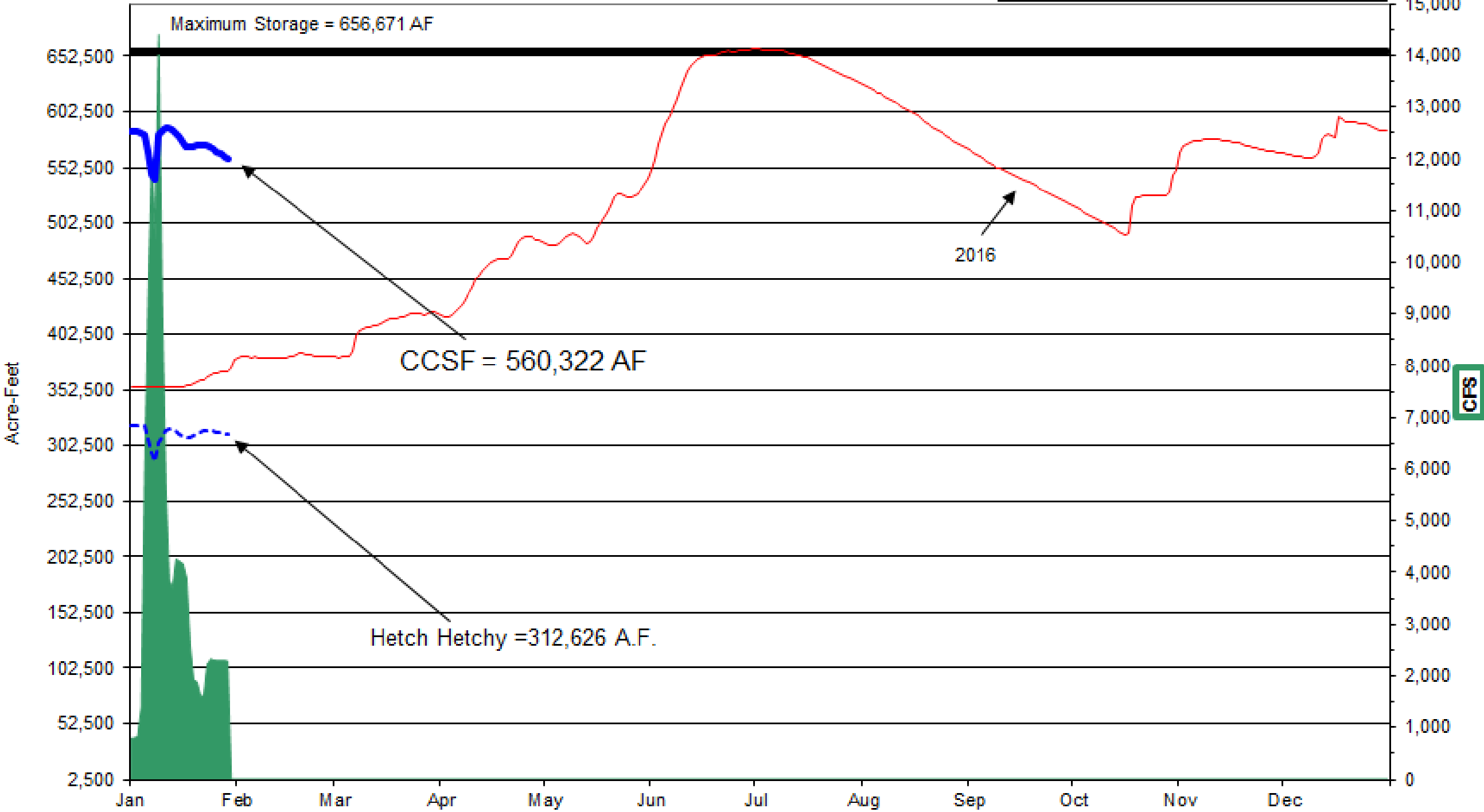
# Full Natural Flow

Full Nat Flow = 1,032,891 Acre-Feet



# CCSF Total Storage

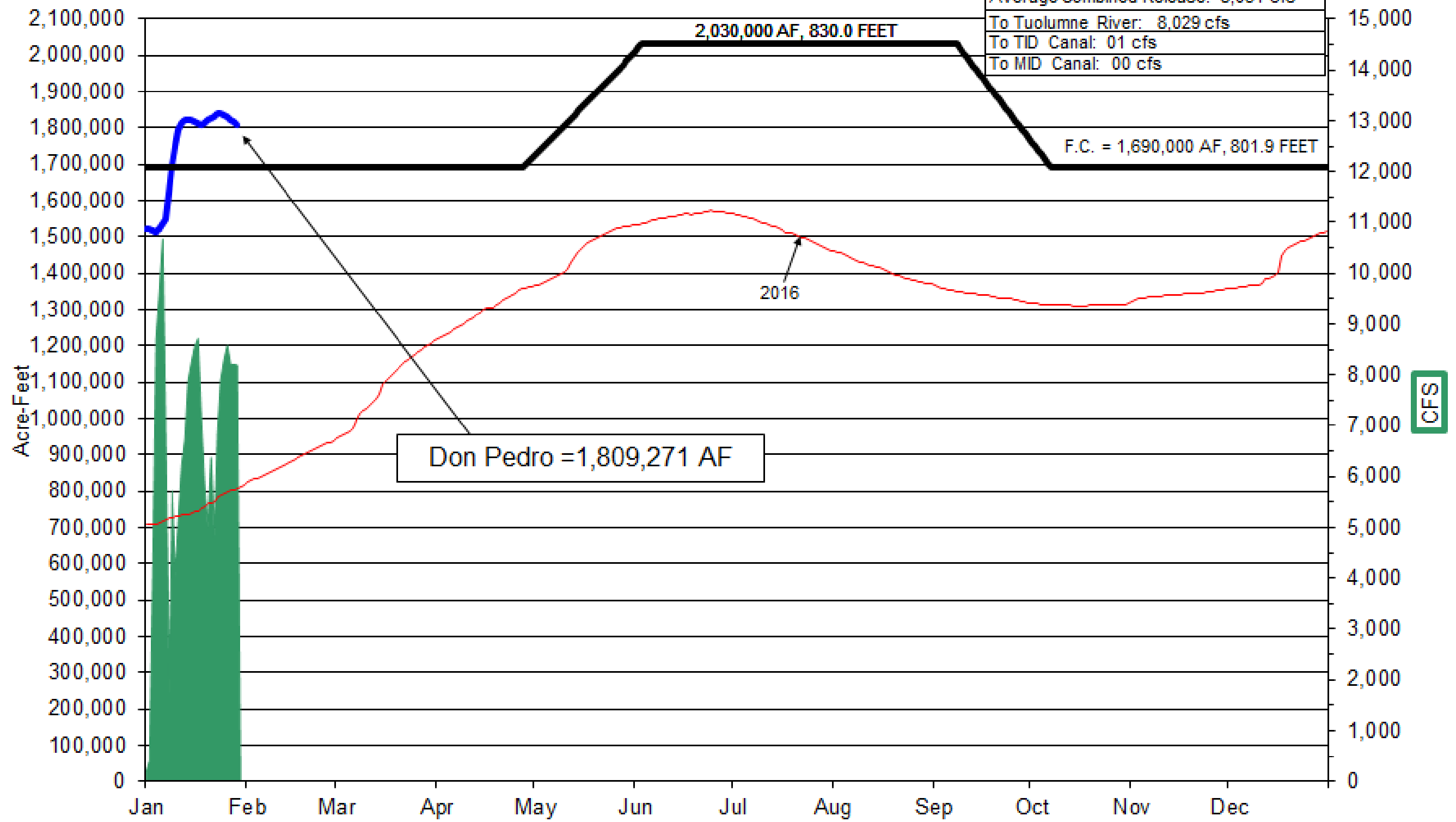
7-Day Average Release: 2,288 cfs  
 7-Day Average Diversion: 00 cfs



Releases (cfs)    Max Storage    CCSF 2016    CCSF 2017    Hetch Hetchy

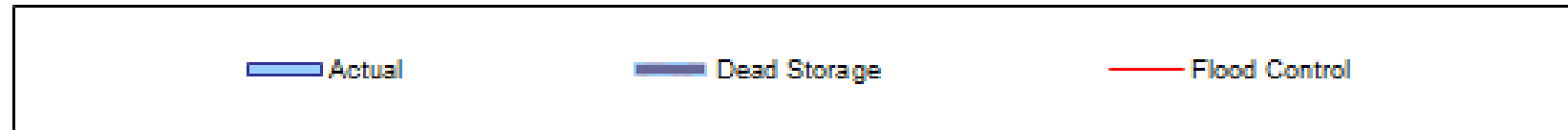
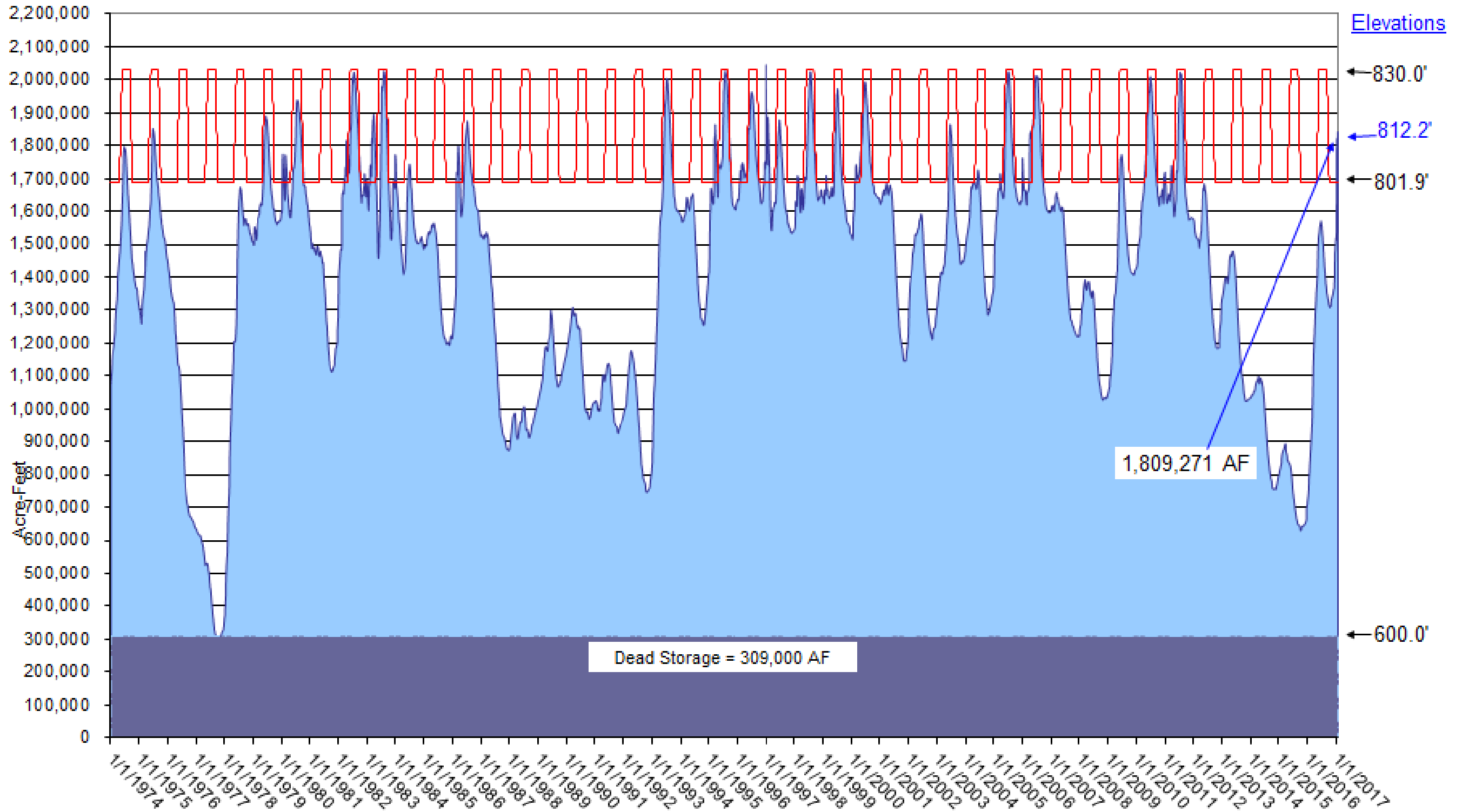
# DON PEDRO STORAGE

Releases During Past 7 Days	
Average Combined Release:	8,031 cfs
To Tuolumne River:	8,029 cfs
To TID Canal:	01 cfs
To MID Canal:	00 cfs



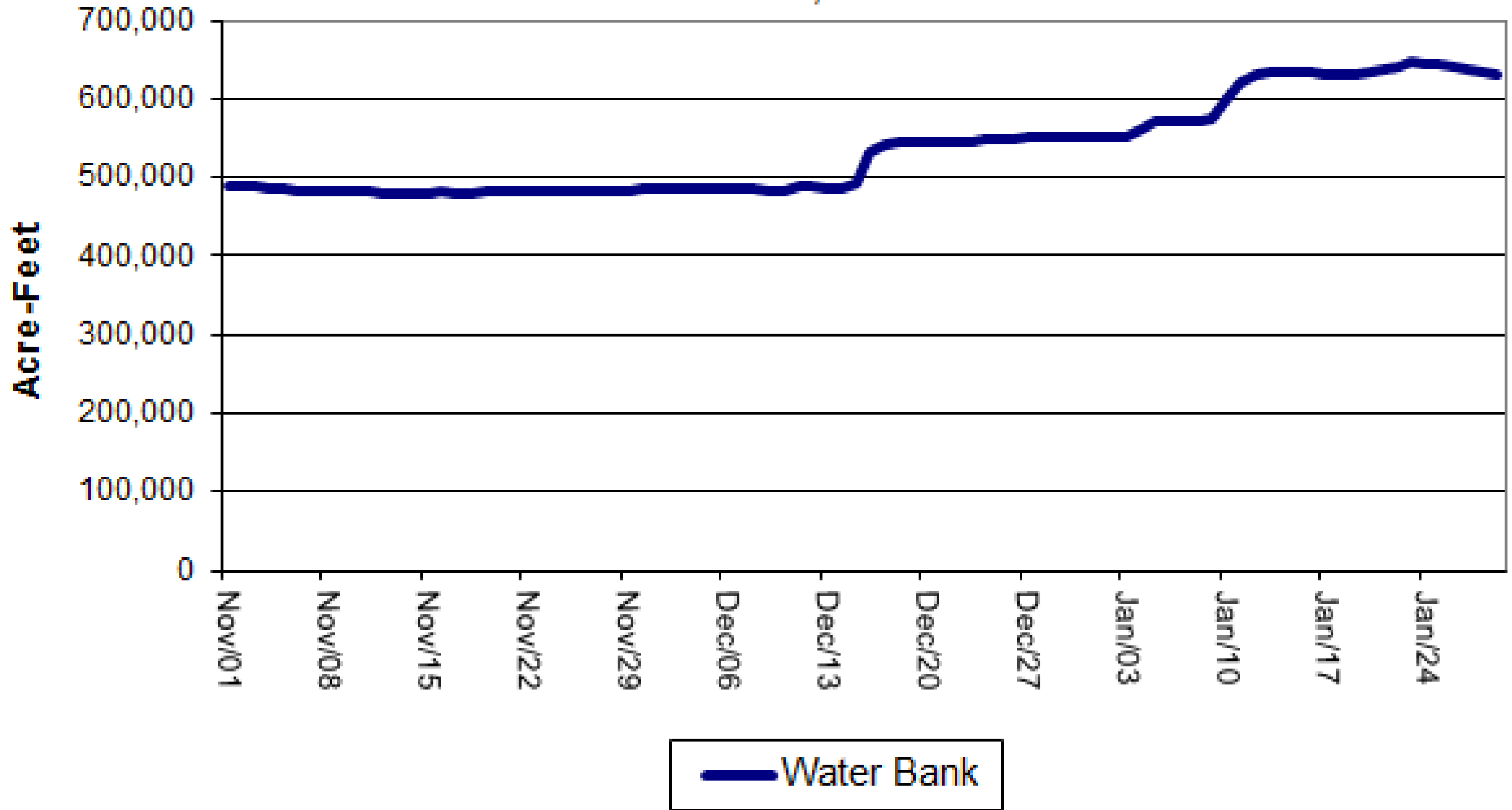
█ Average Combined Release (cfs)    
 — 2016    
 — 2017    
  FLOOD CONTROL    
 Dry    
 Avg.

# HISTORIC DON PEDRO STORAGE



# Don Pedro Water Bank

Water Bank = 629,636 Acre-Feet



# Turlock Lake Storage

