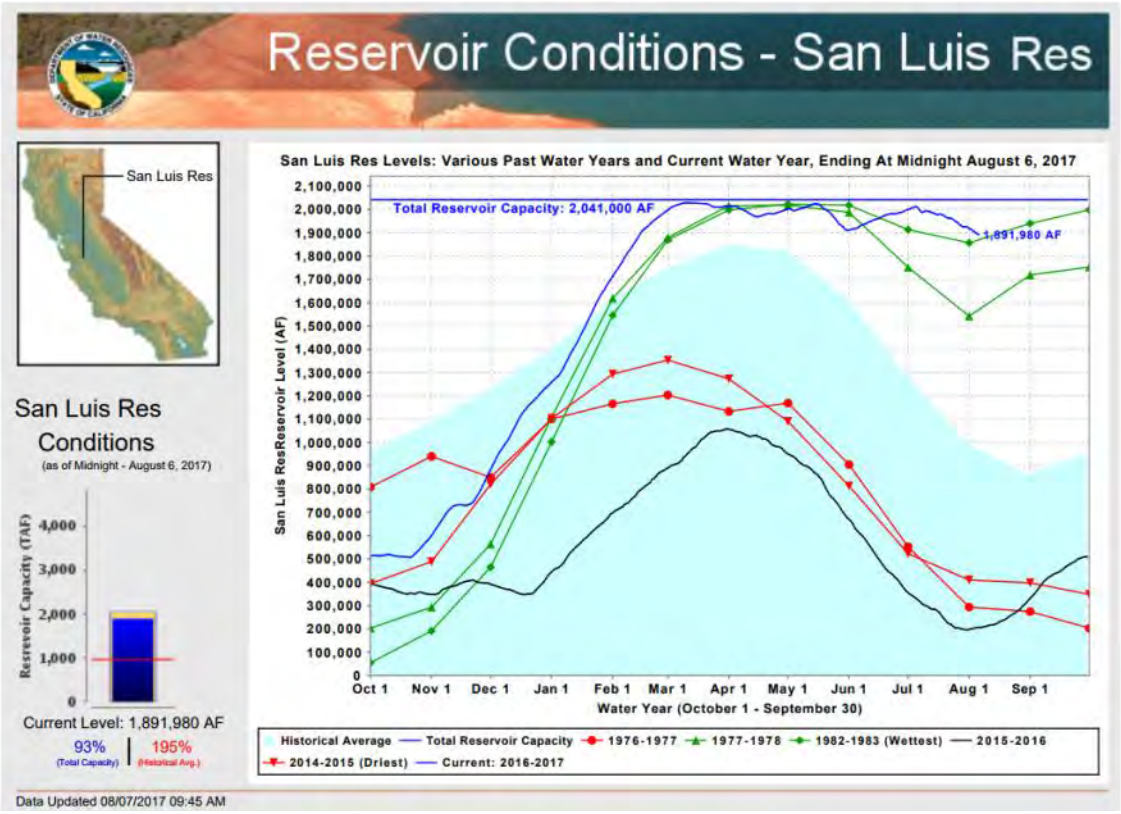
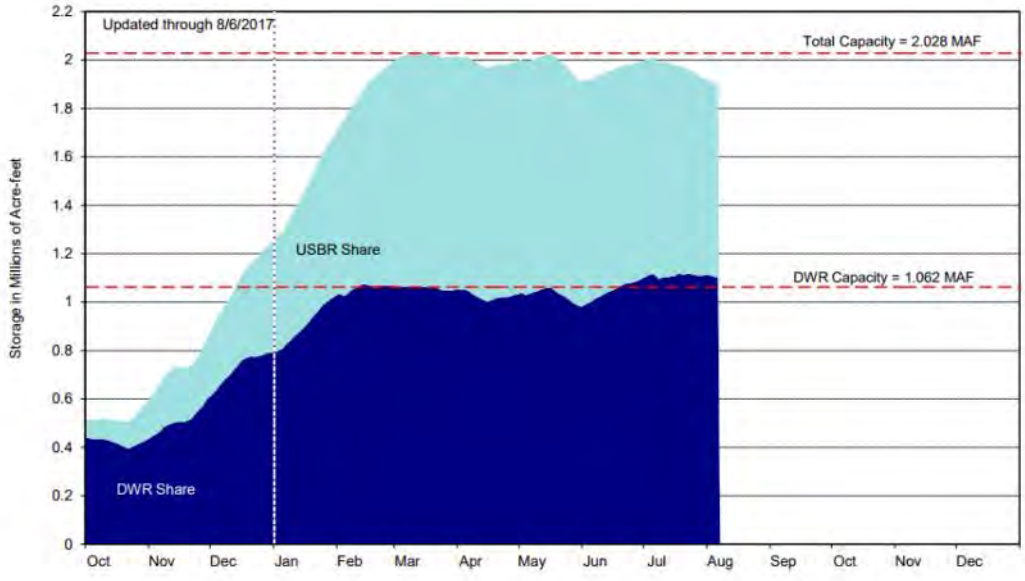
San Luis Reservoir Still At Record High Level

San Luis is still the fullest it has ever been for this time of year at 195% of the historical average with the Federal CVP portion at 289% of the 15-year average. As of August 6th, San Luis total (CVP + SWP) storage is at 1,891,980 AF and is at 93.3% of the 2,027,835AF of allotted storage capacity. It is down 34,592AF from last week. The CVP share is 788,670 AF (at 81.7%) and decreased by 26,223 AF in the last week.



http://cdec.water.ca.gov/cgi-progs/products/snlres.pdf

San Luis Reservoir Storage Shares
Combination Water/Calendar Year 2017



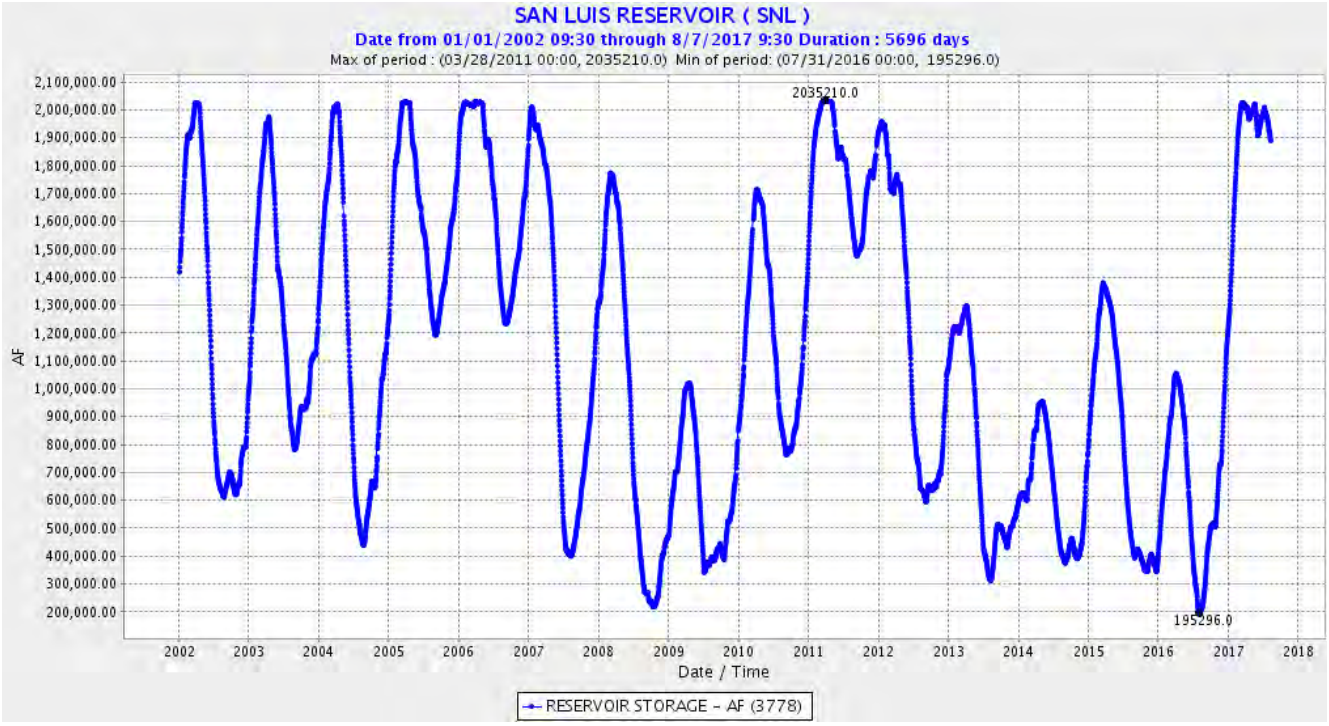
For current San Luis Reservoir Storage Shares, go to http://www.water.ca.gov/swp/operationscontrol/docs/storsanl.pdf

Federal Storage within San Luis Reservoir

As of August 6th, federal storage was at 788,670AF (81.7% full—down 26,223AF from last week). Total federal storage capacity is 965,655AF.

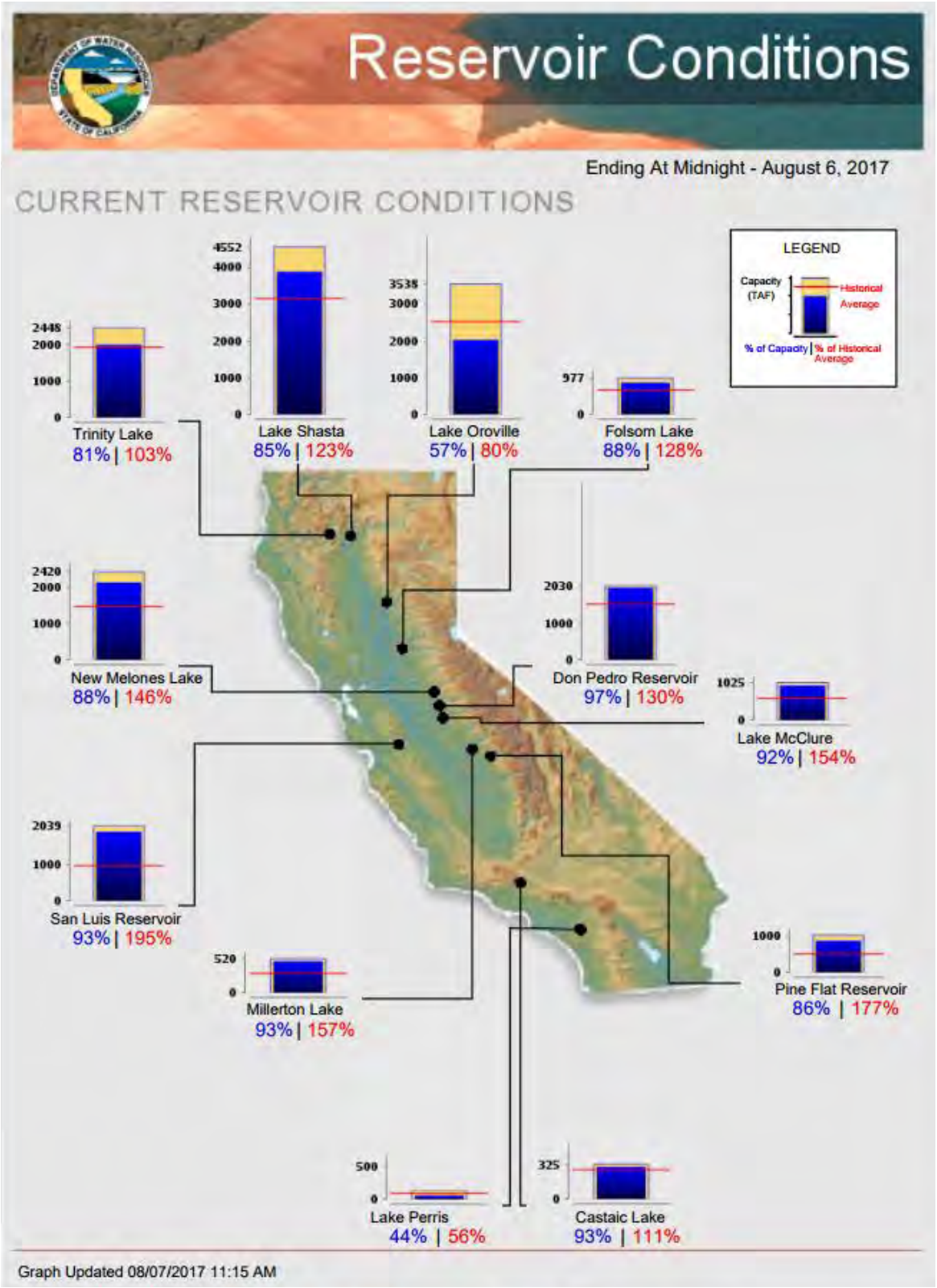
State Storage within San Luis Reservoir

As of August 6th, state storage was at 1,103,310AF (now at 103.9% capacity—down 8,369AF from last week). The total state storage capacity in SLR is 1,062,180AF. Total State and Federal storage reported is 1,891,980AF. The reservoir is at 93.3% of capacity.



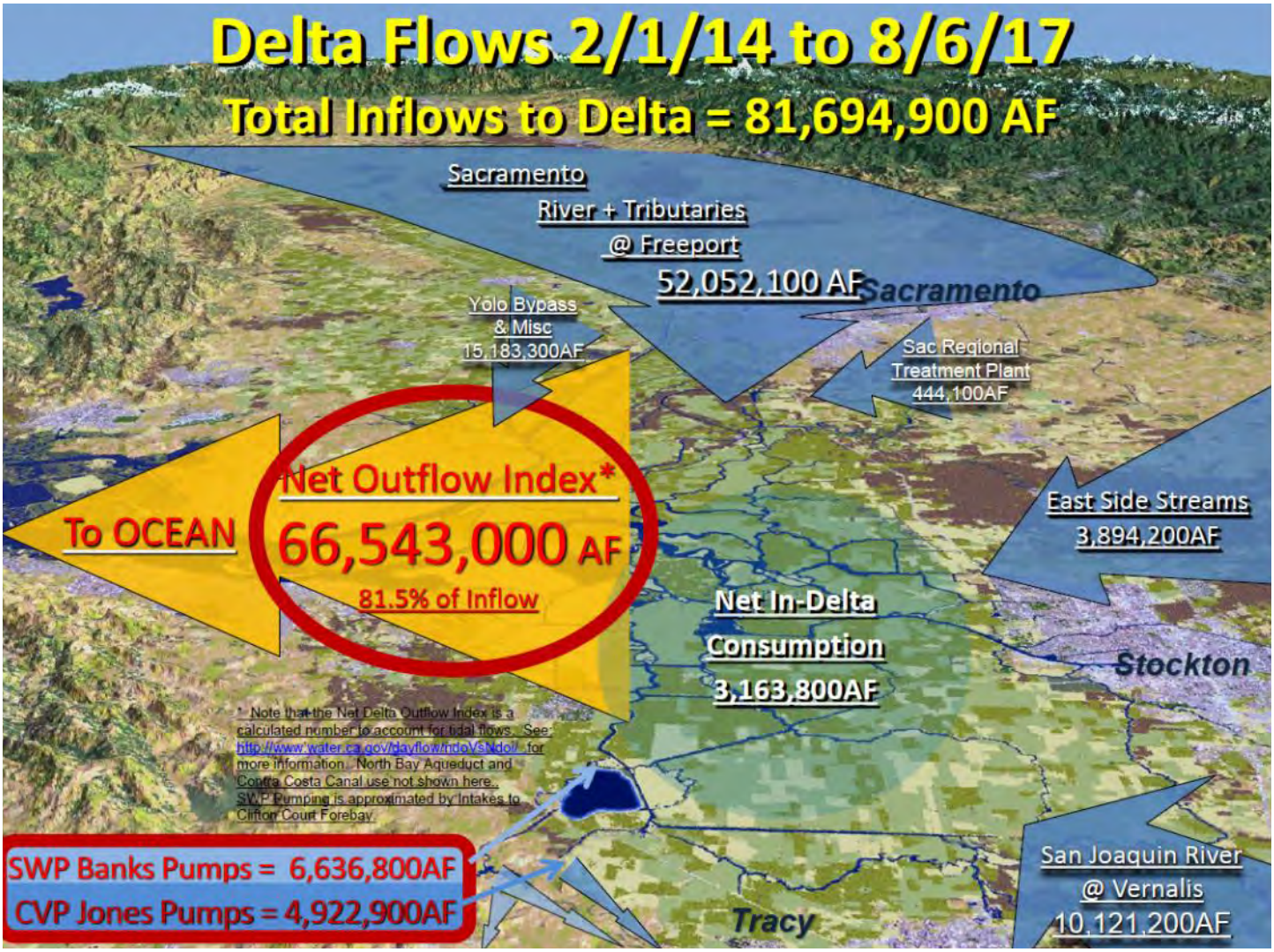
Reservoir Storage

As of August 6th, northern California reservoirs are between 80-128% of historical average and 57-88% of capacity. Oroville and Folsom are down 3%, Shasta is down 2%, and Trinity is down 1% of capacity from last week. The central ones are between 130-195% of historical average and 86-97% of capacity. San Luis is down 1% of capacity.

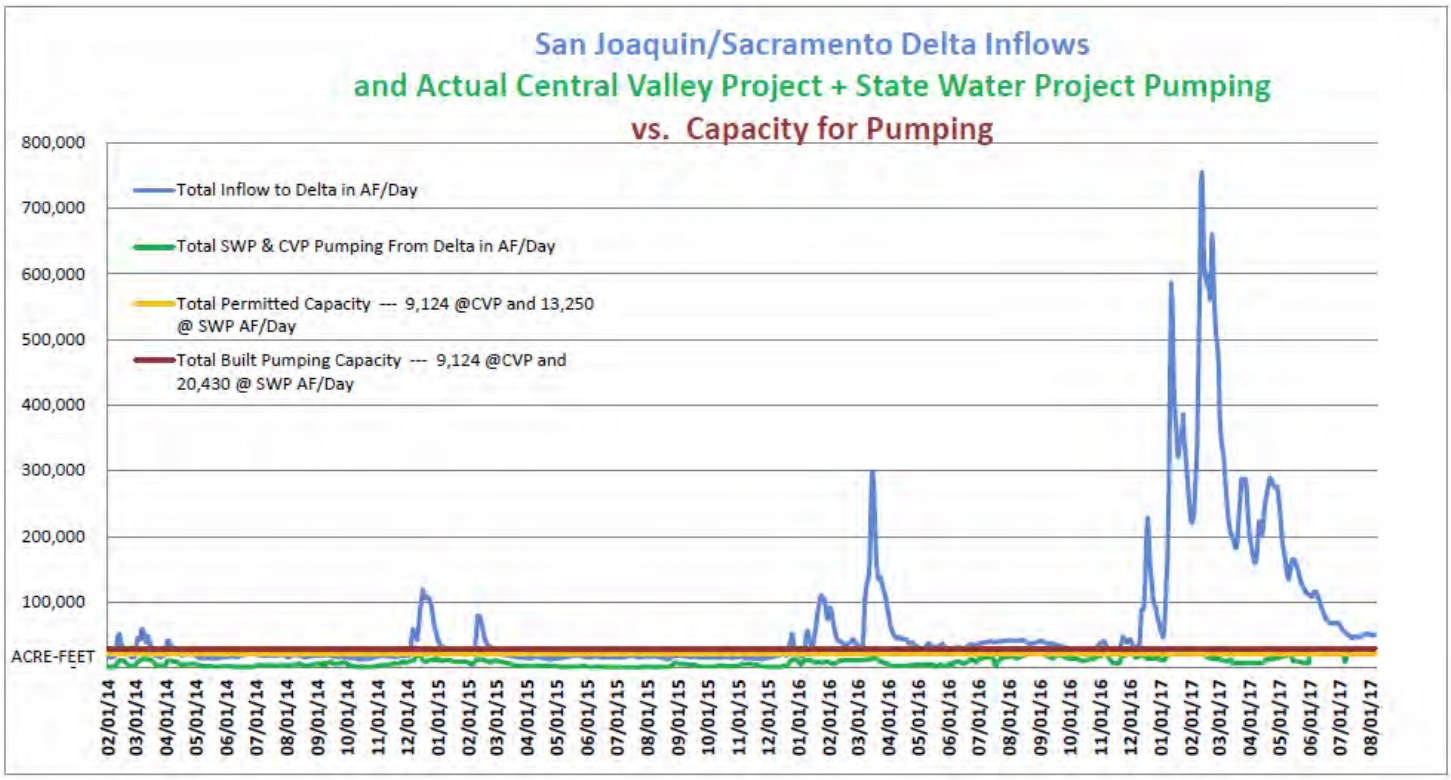


http://cdec.water.ca.gov/cgi-progs/products/rescond.pdf

Plenty of water has been flowing through the delta. In the last forty-two months, almost 81.7 million acre-feet of water have poured into the delta. Of that water, 81.5 percent, or over 66.5 million acre-feet, has gone out to the ocean, but just 11.5 million acre-feet have been pumped into the California Aqueduct and Delta Mendota Canal for cities and farms. Since October 1, 2016, the losses are worse with 89.7 percent wasted to the ocean.

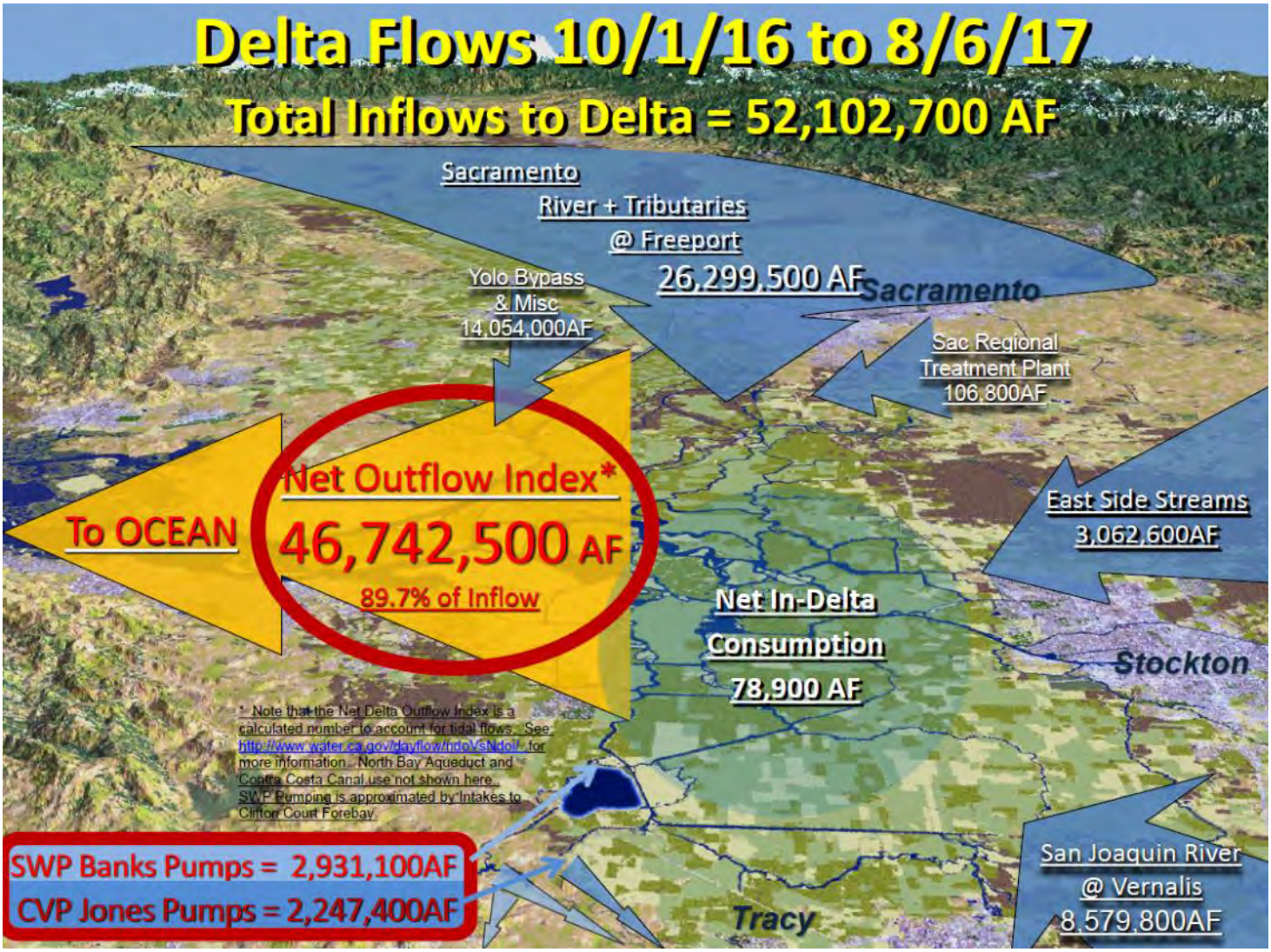


February 1, 2014 to August 6, 2017

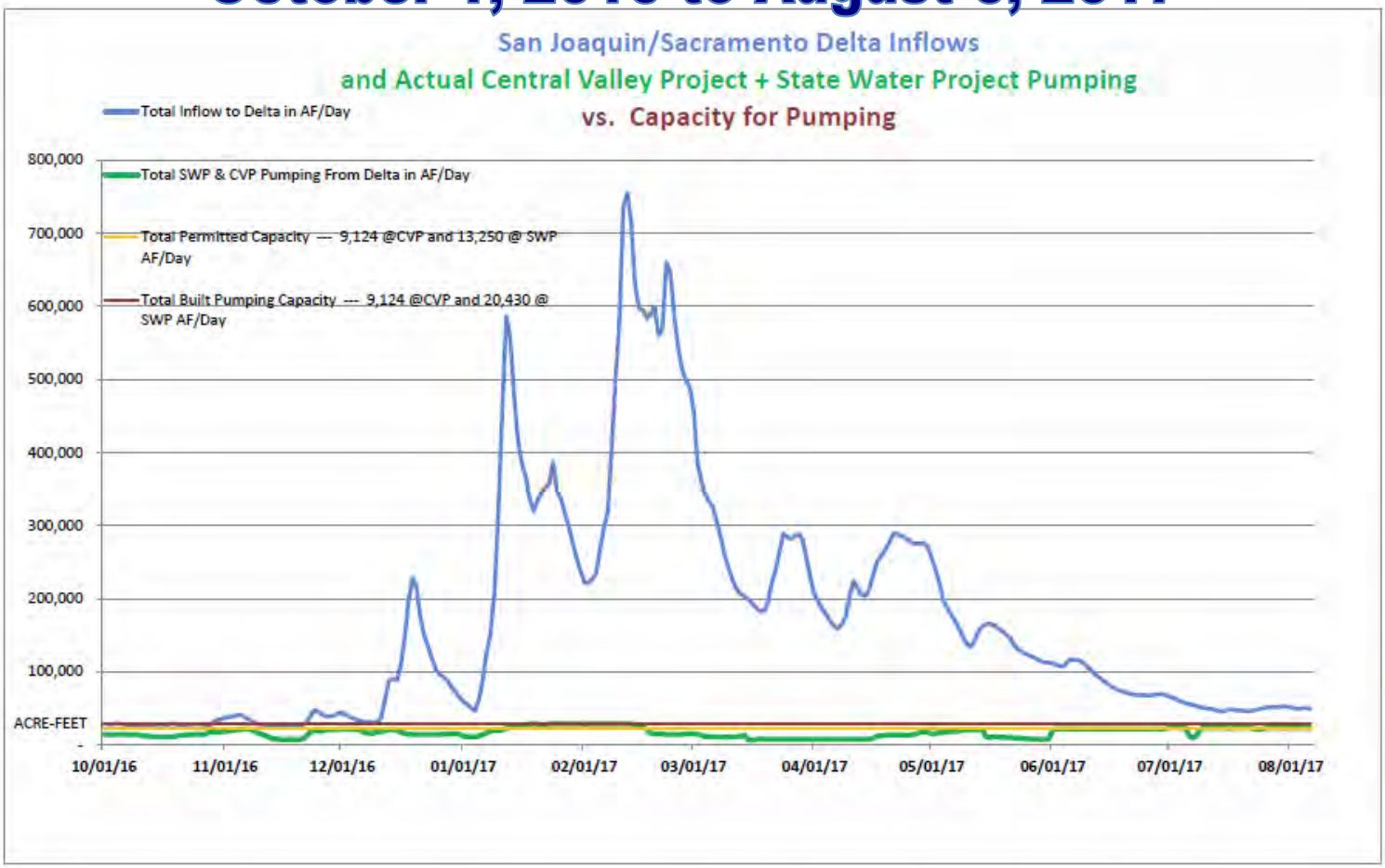


Delta Flows from October 1, 2016, through August 6, 2017

In ten months, 52,102,700AF of water flowed into the Delta. The Net In-Delta Consumption was 78,900AF (.15%). The Banks and Jones Pumps captured 5,178,500AF (9.9%), and 46,742,500AF (89.7%) flowed out to the ocean.

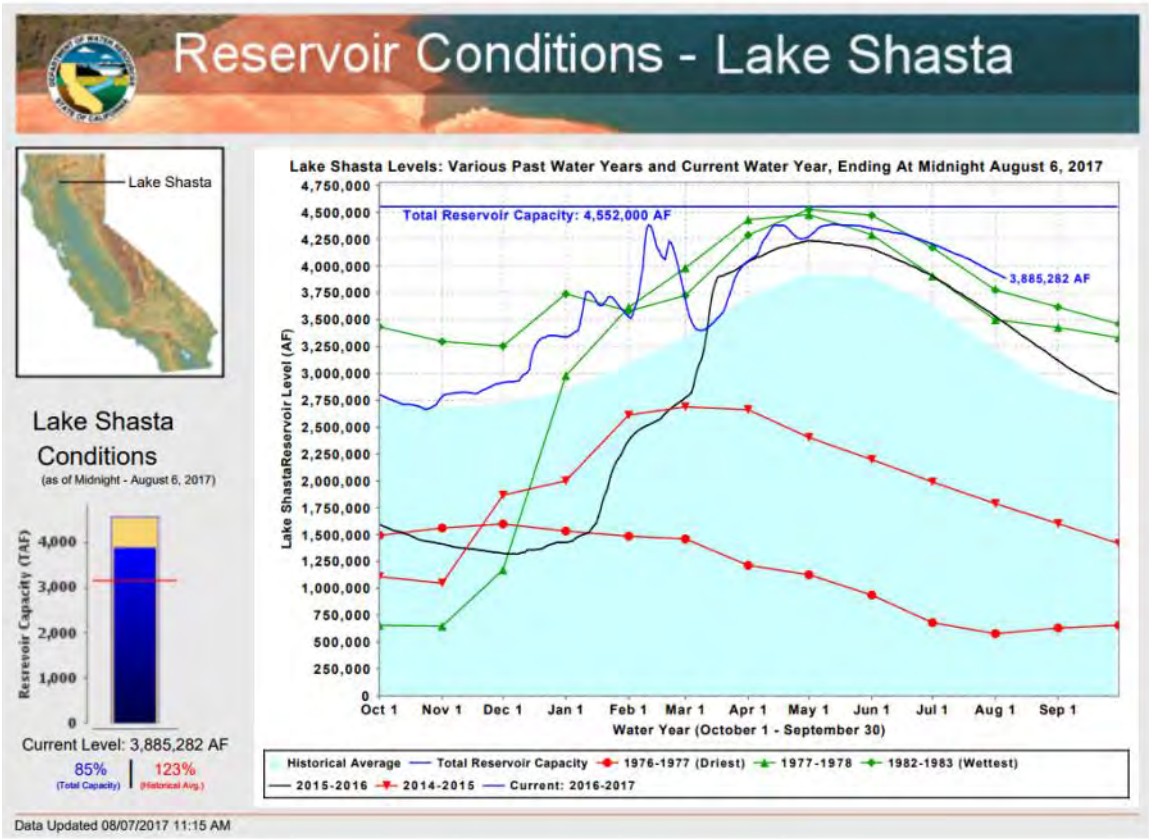


October 1, 2016 to August 6, 2017



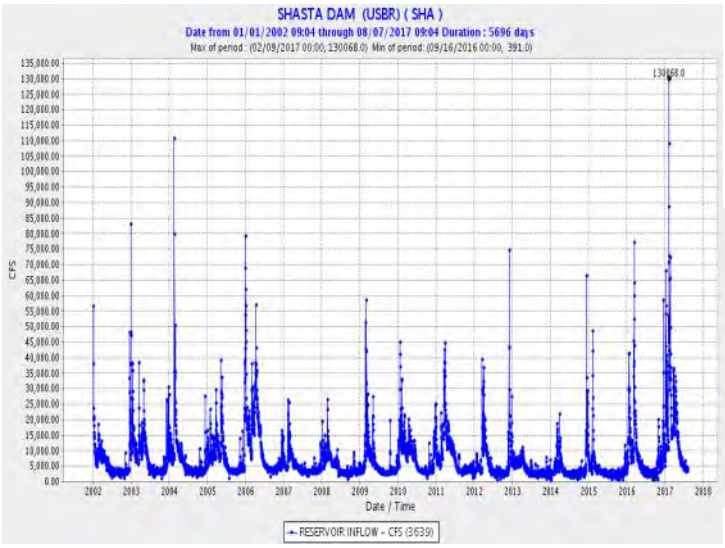
Shasta Storage —

As of August 6th, storage was approximately 3,885,282AF (down 65,354AF and at 85% of capacity, down 2% in capacity from last week). The current level is 123% of the historical average. Total capacity of Shasta is about 4,552,000AF. Shasta's weekly average inflows are about 8,437AF/day, and outflows are about 16,935AF/day as of Sunday.

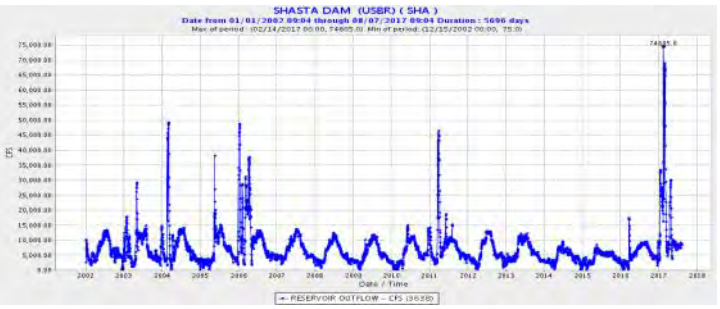


Reservoir graphs from: http://cdec.water.ca.gov/reservoir_map.html

Inflows

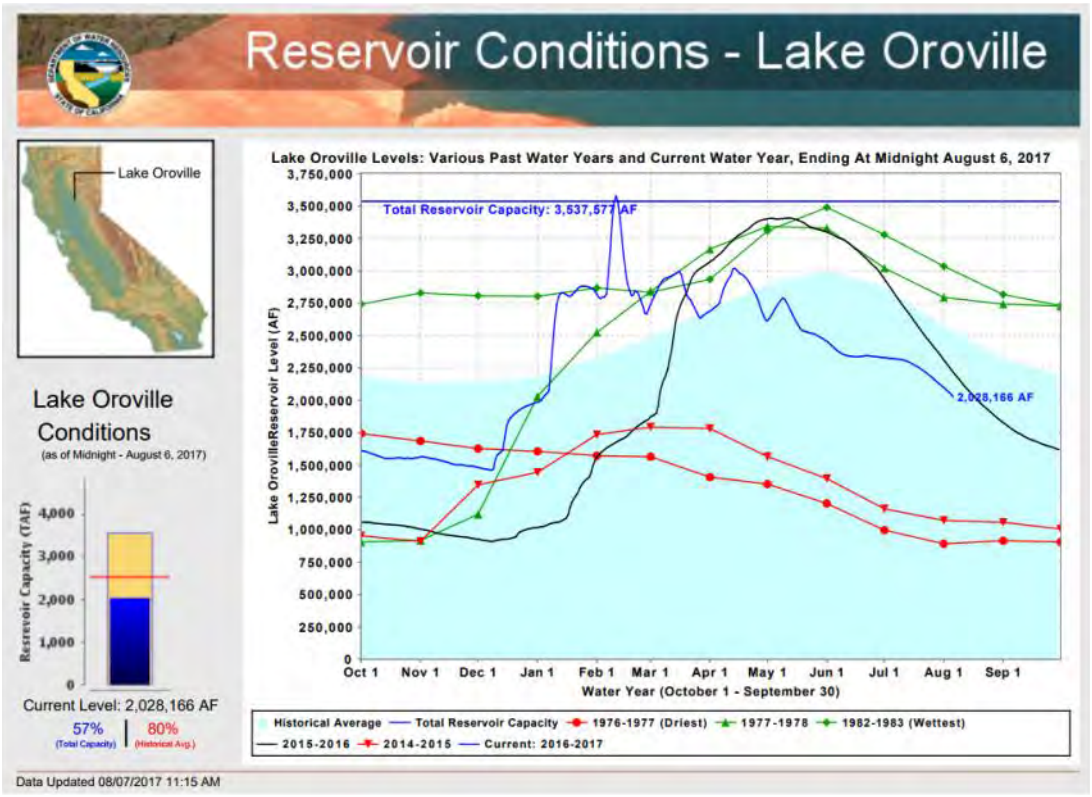


Outflows



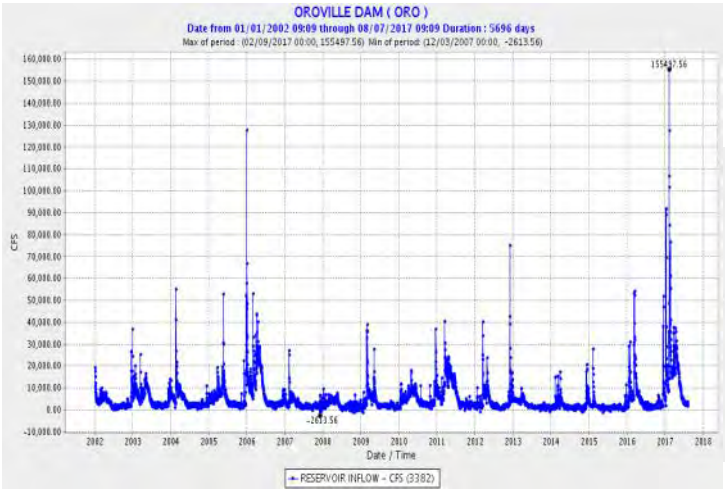
Oroville Storage

As of August 6th, storage was approximately 2,028,166AF (down 95,742AF and at 57% capacity, down 3% in capacity from last week).

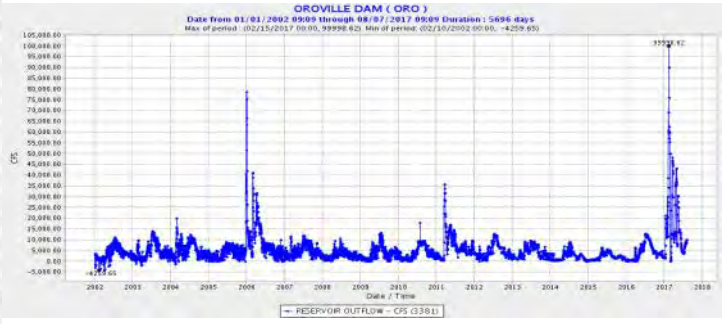


The current level is 80% of the historical average. Inflows for the past week averaged 5,642AF/day. Total capacity of Oroville is 3,538,000AF. Current releases into the Feather River as of Sunday have gone to 19,781AF/day.

Inflows

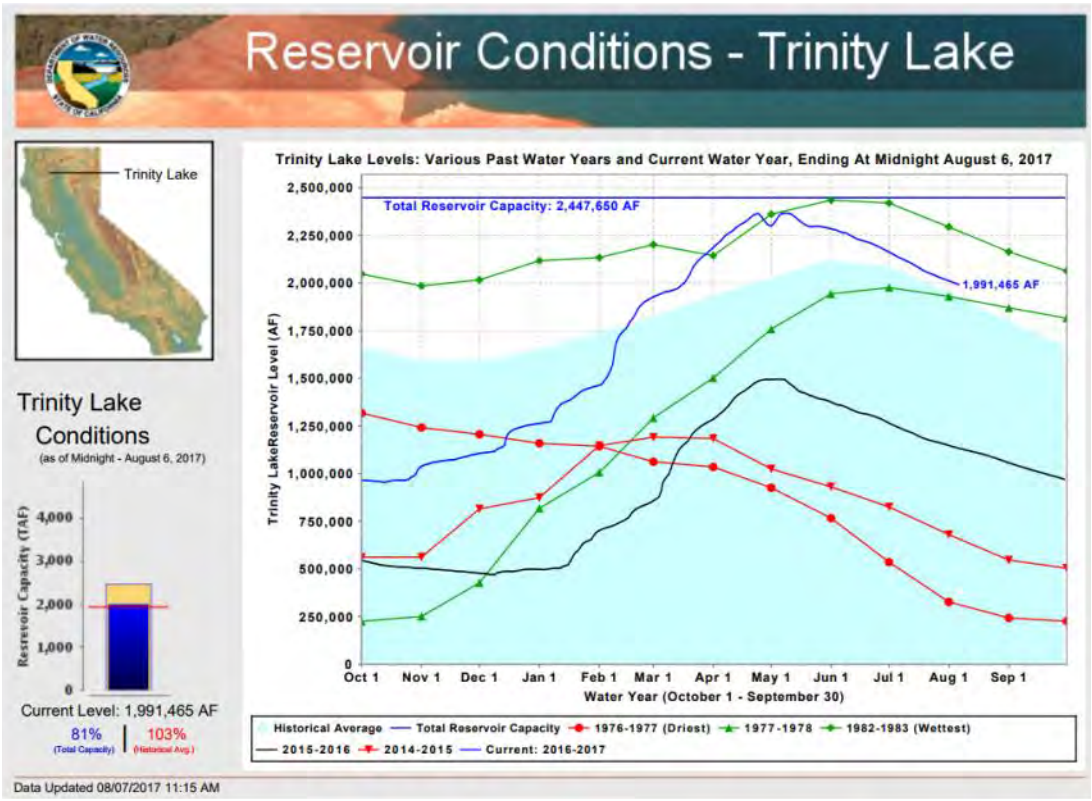


Outflows

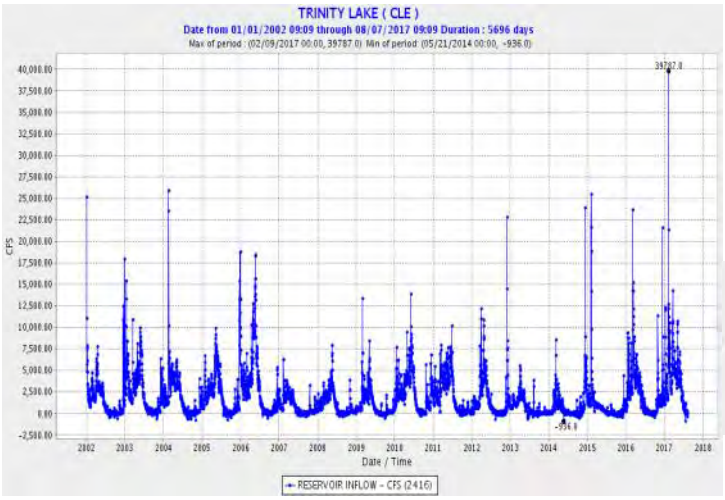


Trinity Lake Storage

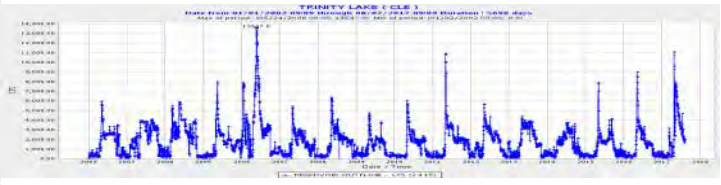
As of August 6th, storage was approximately 1,991,465AF with capacity being at 81% (down 27,169AF and down 1% of capacity from last week). The current level is 103% of the historical average. Net inflows for the past week averaged 262AF/day. Total capacity of the Trinity is about 2,448,000AF. On Sunday, releases to the Trinity River were about 4,030AF/day.



Inflows

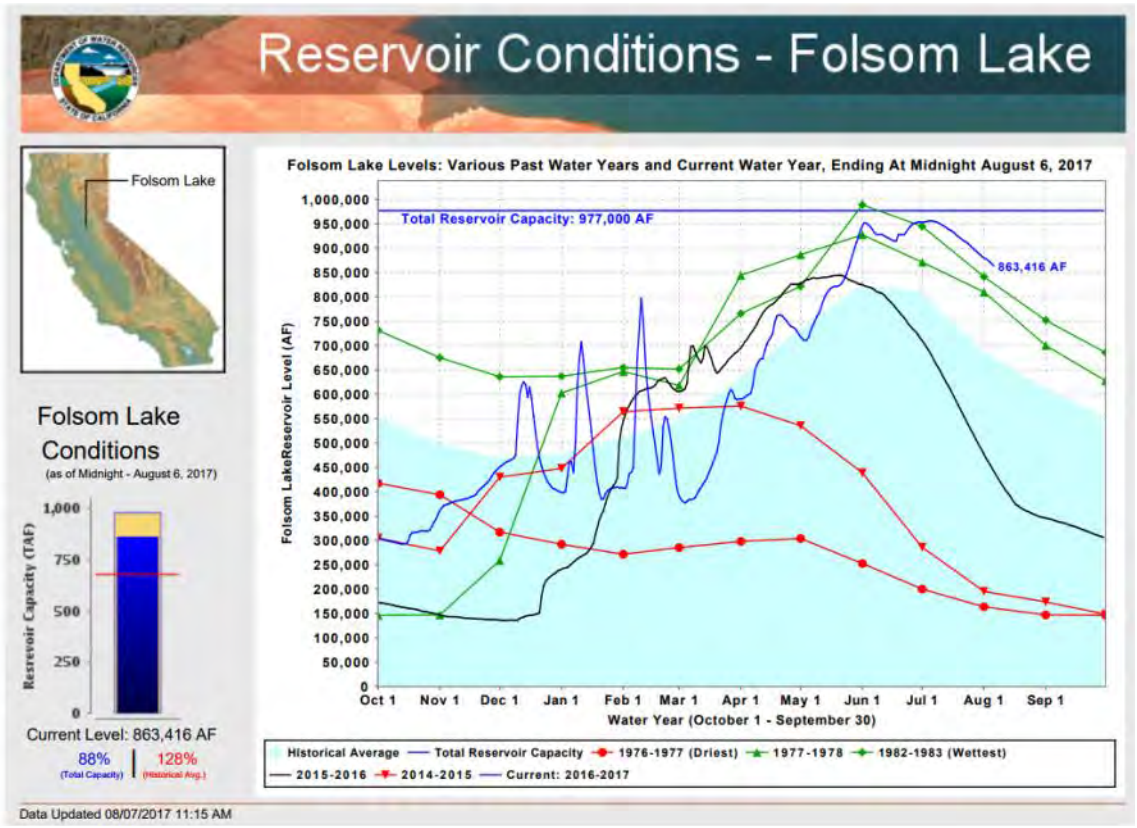


Outflows

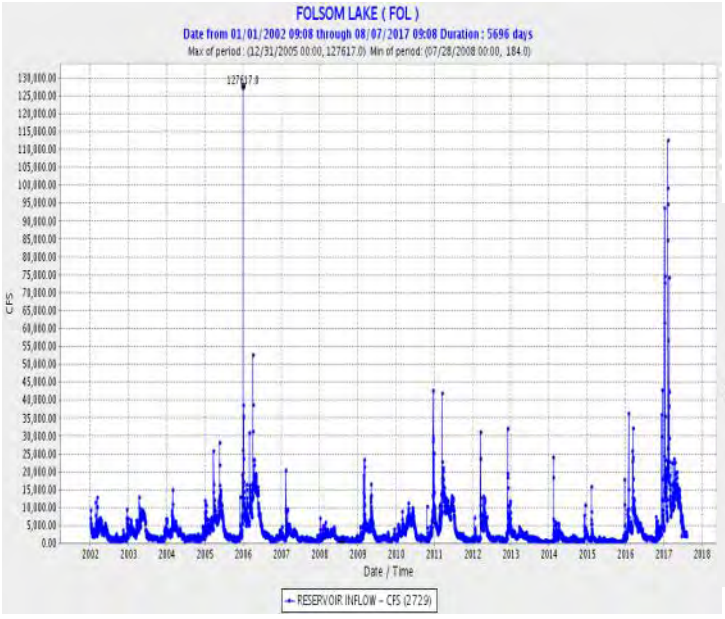


Folsom Storage

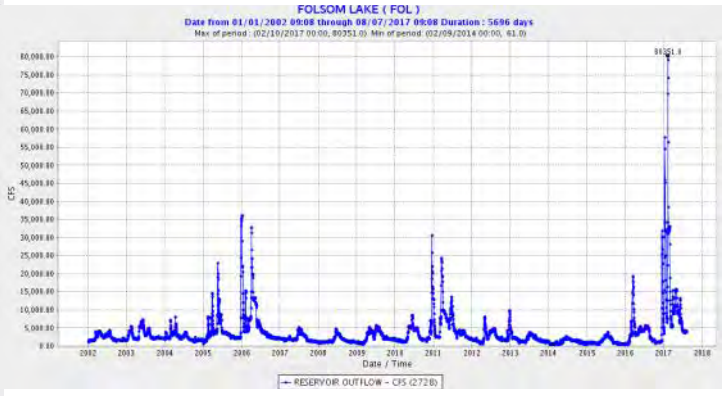
As of August 6th, storage was approximately 863,416AF (down 23,403AF and at 88% capacity, down 3% of capacity from last week). The current level is 128% of the historical average. Inflows for the past week averaged 5,008AF/day. Total capacity of Folsom is 977,000AF. As of Sunday, releases were about 8,186AF/day.



Inflows

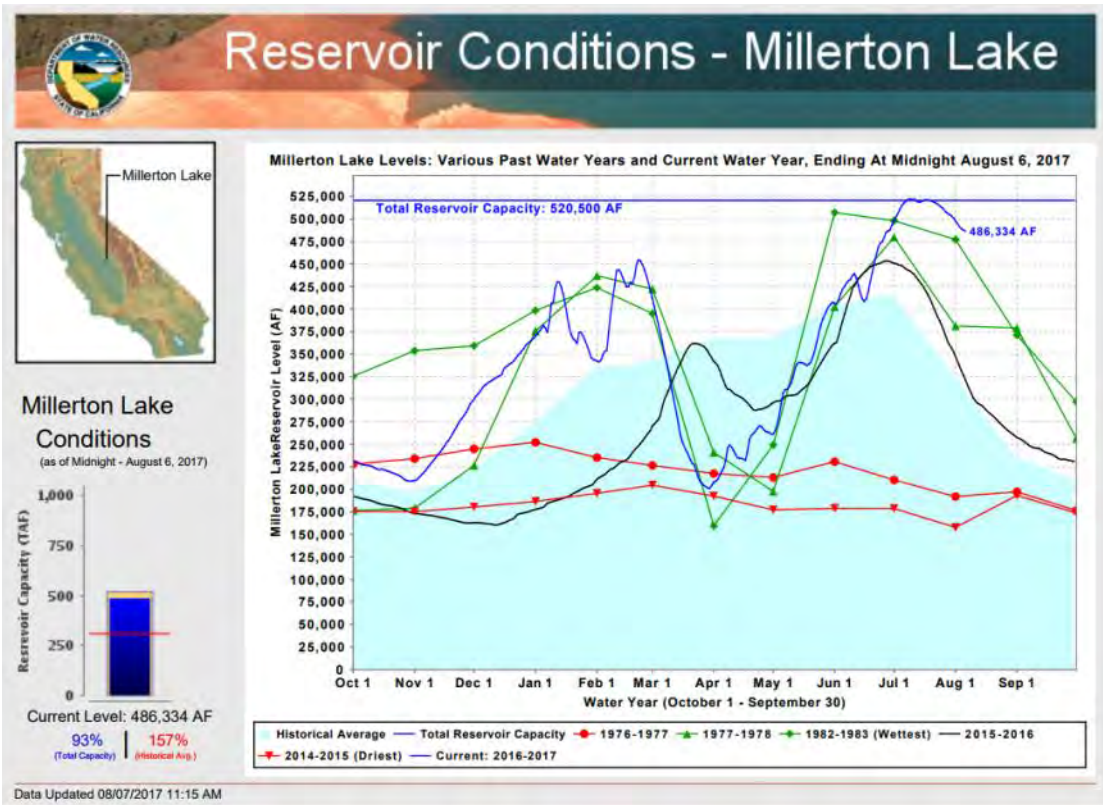


Outflows



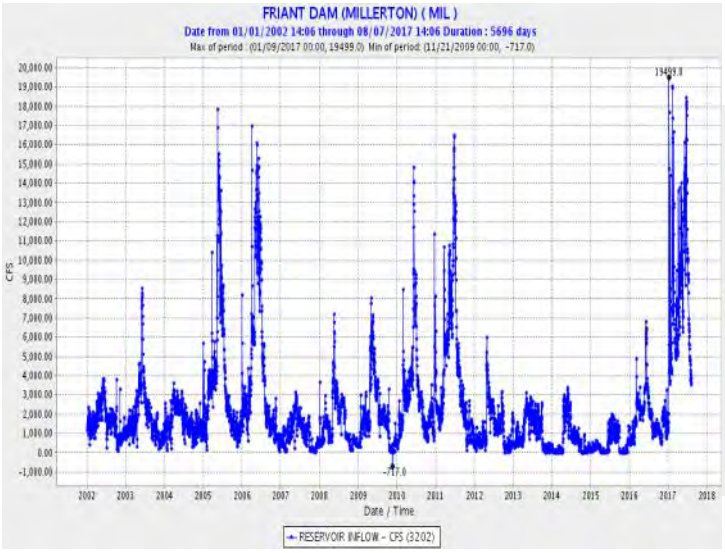
Friant Storage

As of August 6th, storage was about 486,334AF (down 16,805AF and at 93% capacity, down 4% in capacity from last week). The current level is 157% of the historical average. Inflows for the last week averaged about 7,545 AF/day. Total capacity of Friant is 520,500AF.

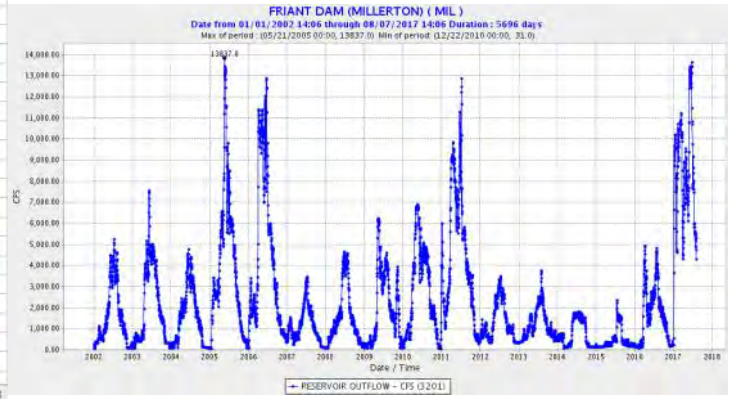


Data for Millerton's releases was unavailable as of 2:00 PM on 8/7/17. Data is still unavailable as of 10:00 AM on 8/8/17.

Inflows

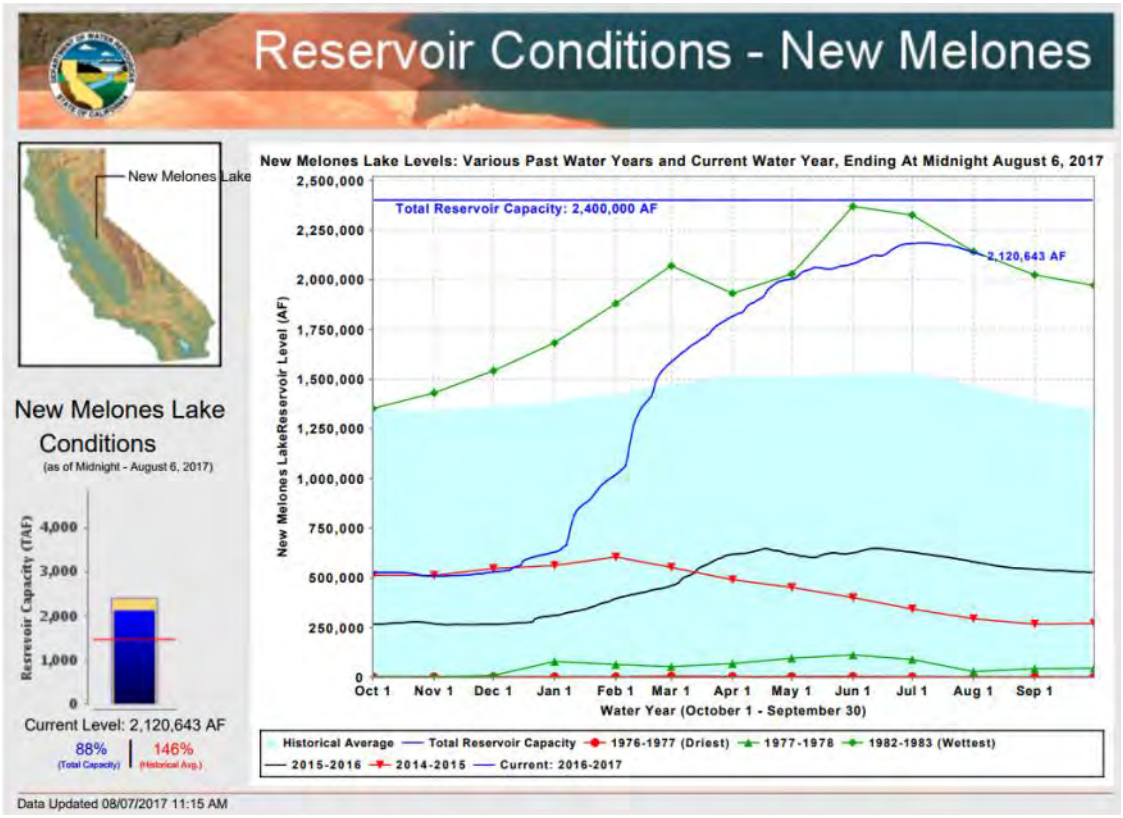


Outflows

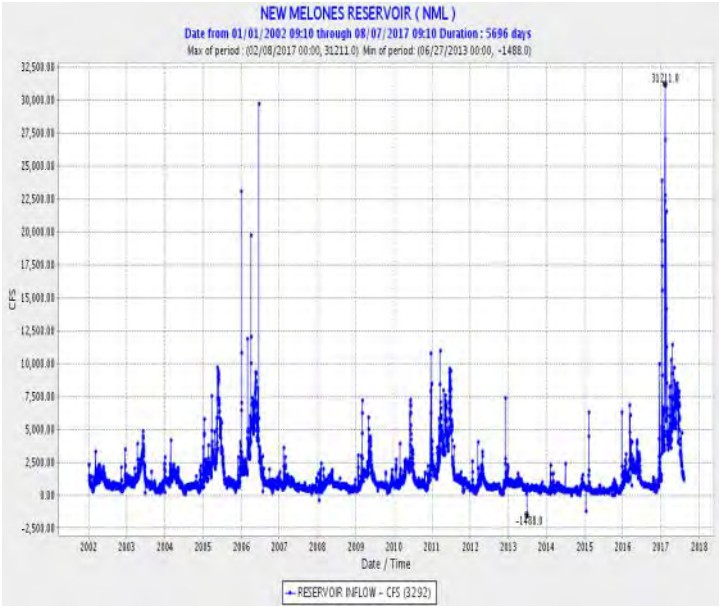


New Melones Storage

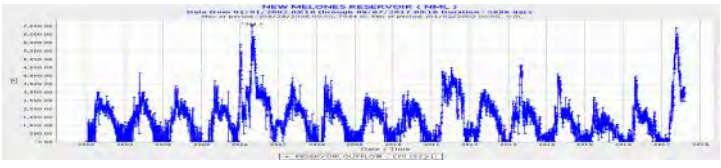
As of August 6th, storage was approximately 2,120,643AF (down 23,580AF and at 88% capacity, down 1% in capacity from last week). The current level is 146% of the historical average. Inflows for the past week averaged 2,785AF/day. Total capacity of New Melones is 2,400,000AF. Current releases to the Stanislaus River have been adjusted to 5,877AF/day.



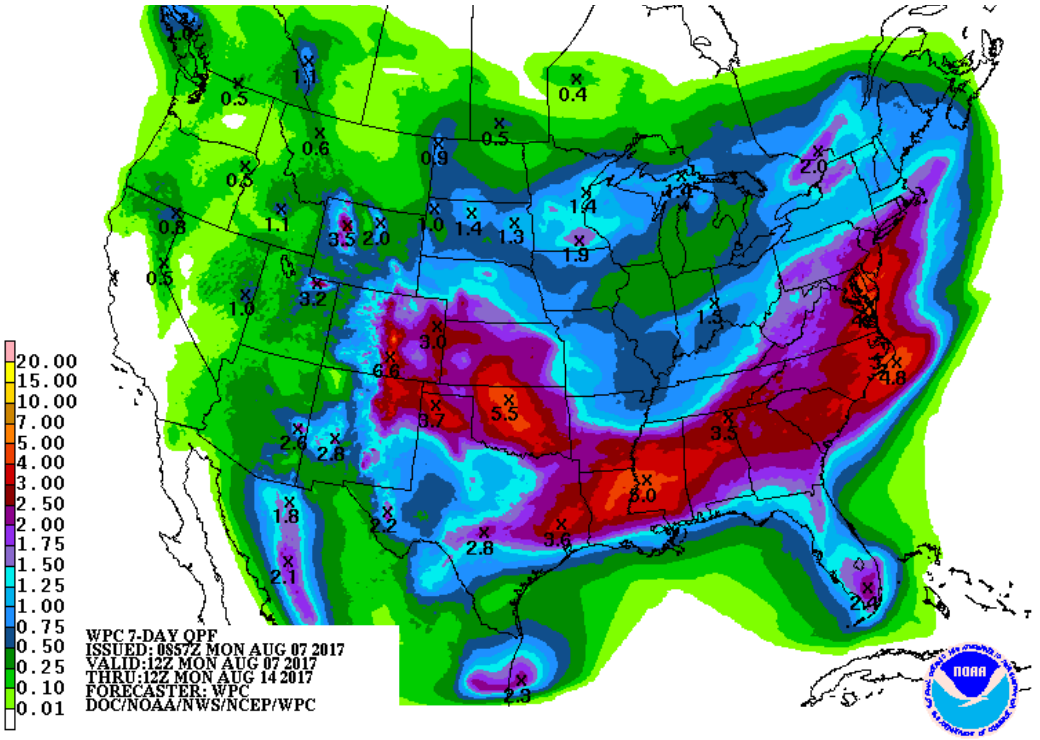
Inflows



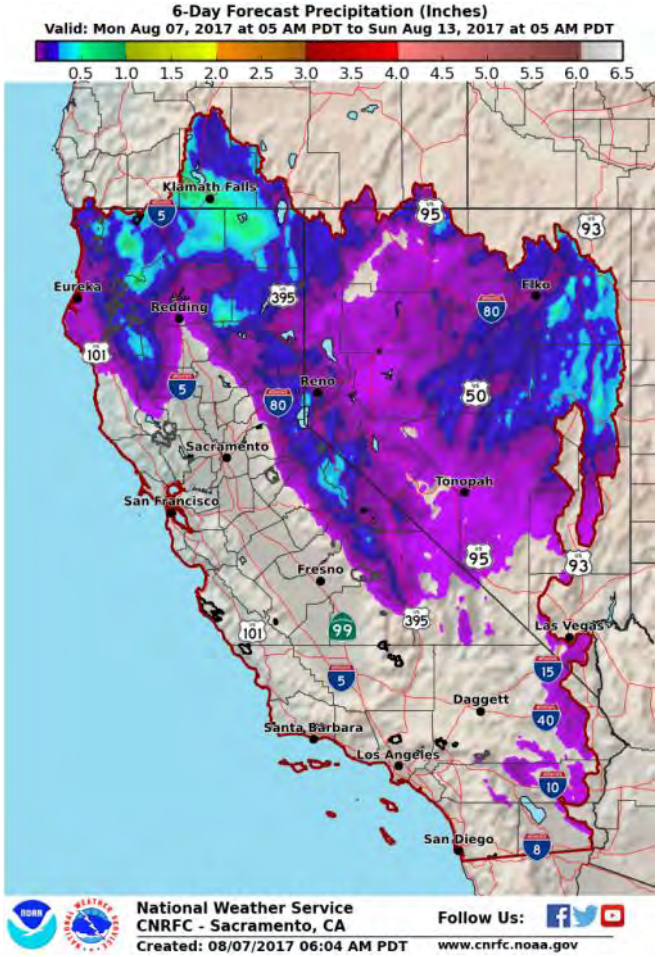
Outflows



Some Precipitation This Week for Parts of California

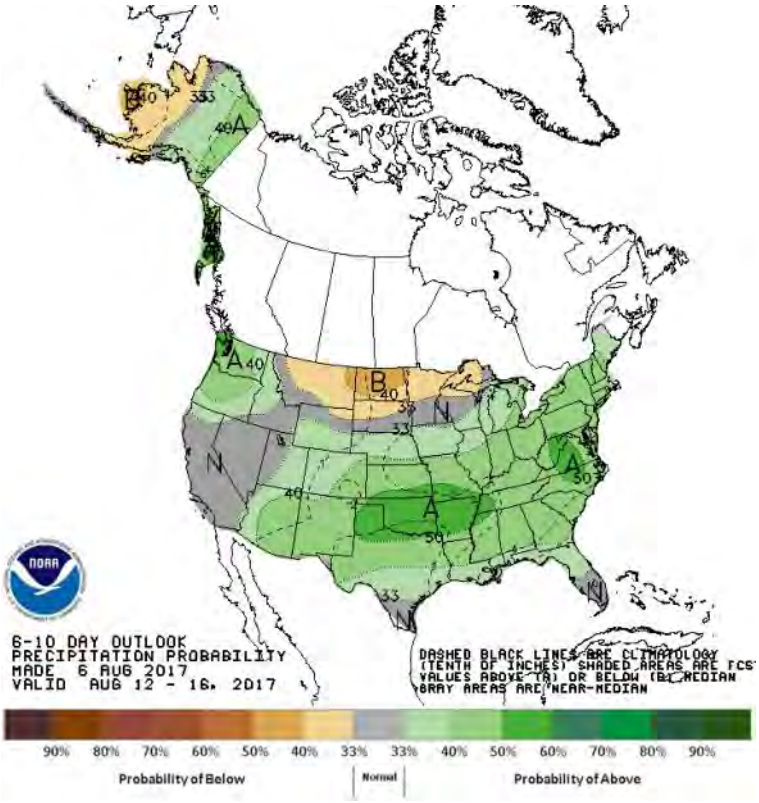


http://www.wpc.ncep.noaa.gov/#

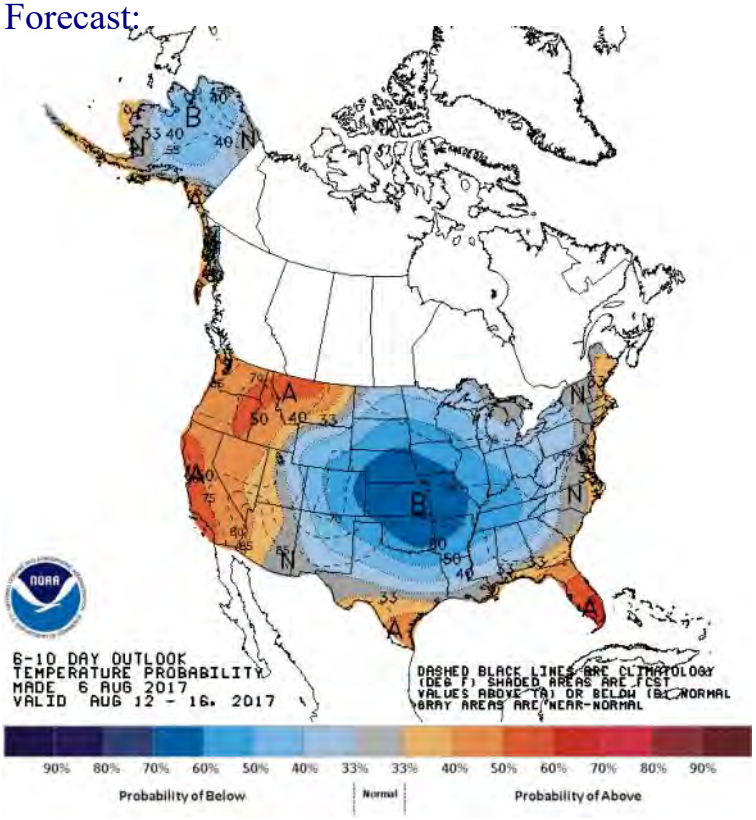


http://www.cnrfc.noaa.gov/precipForecast.php?cwa=RSA&day=123456&img=6

6-10 day Precipitation Forecast:

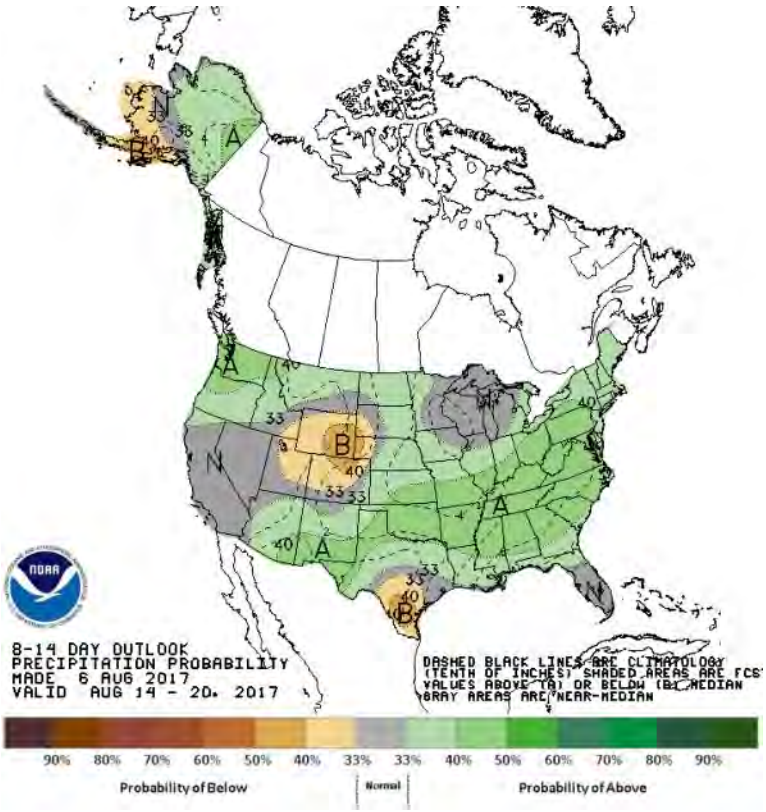


6-10 day Temperature Forecast:

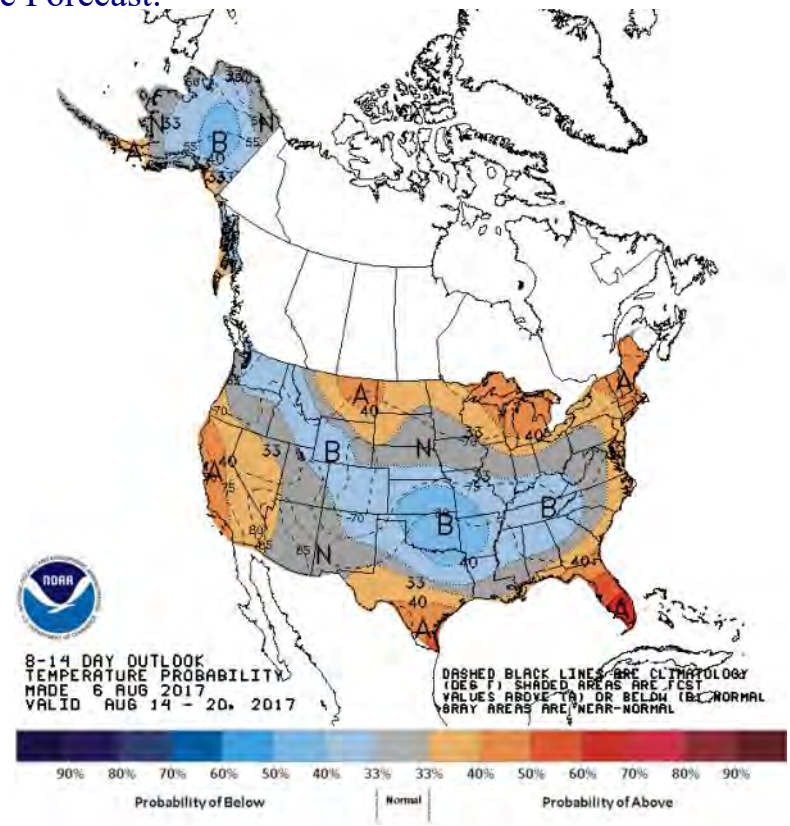


http://www.cpc.ncep.noaa.gov/products/predictions/610day/

8-14 day Precipitation Forecast:

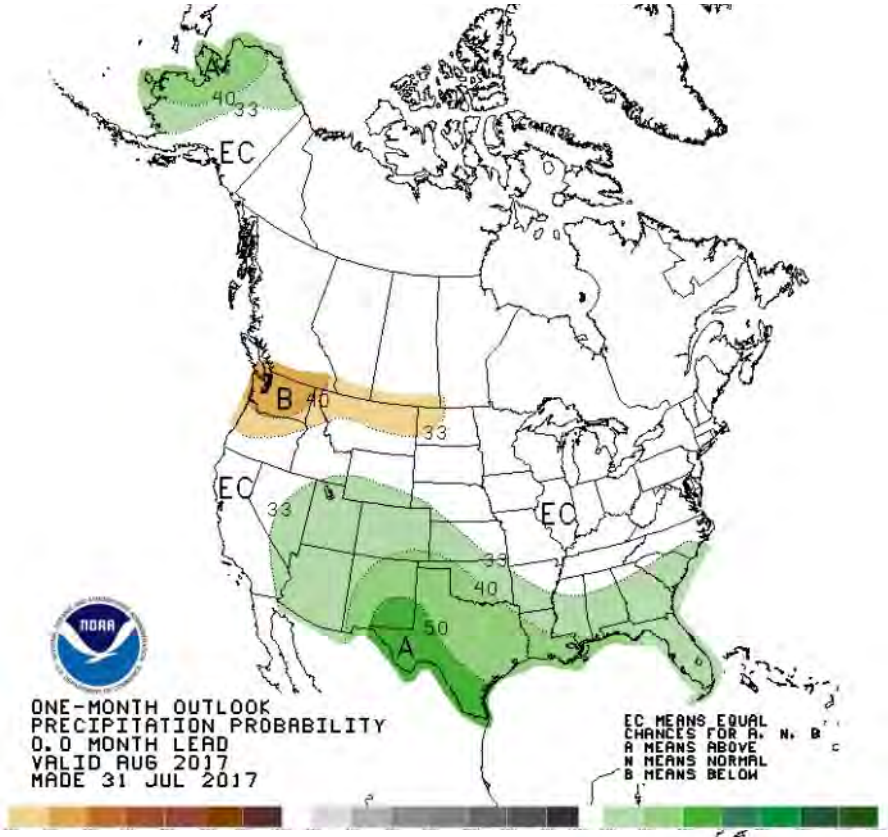


8-14 day Temperature Forecast:

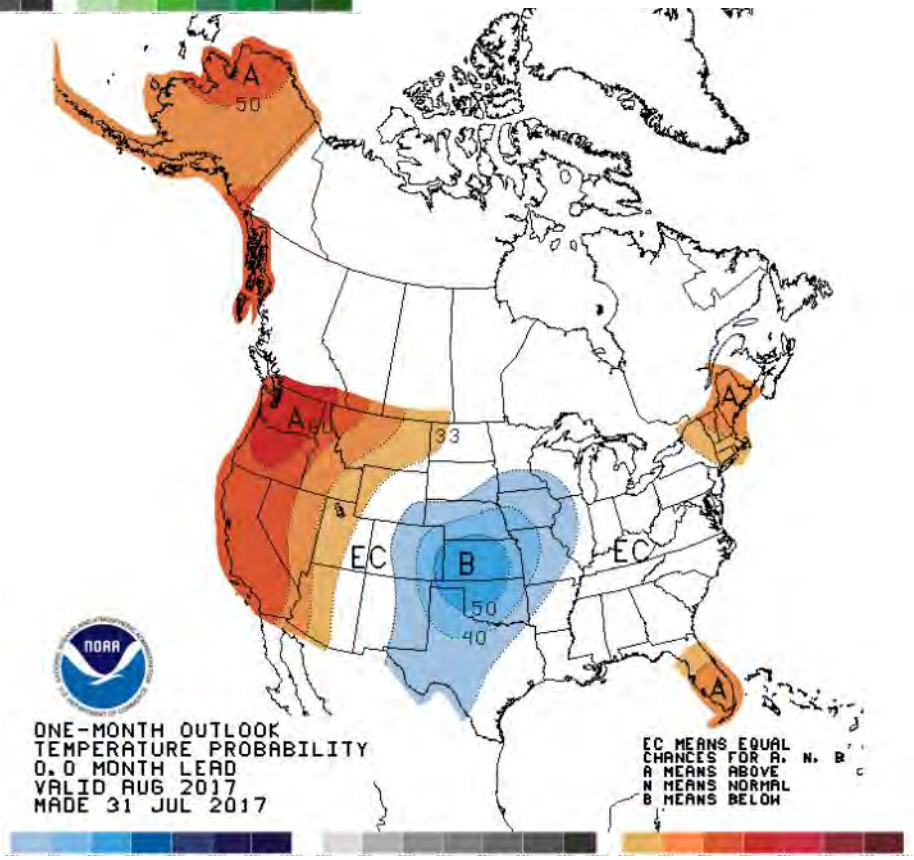


http://www.cpc.ncep.noaa.gov/products/predictions/814day/

August Precipitation Forecast:

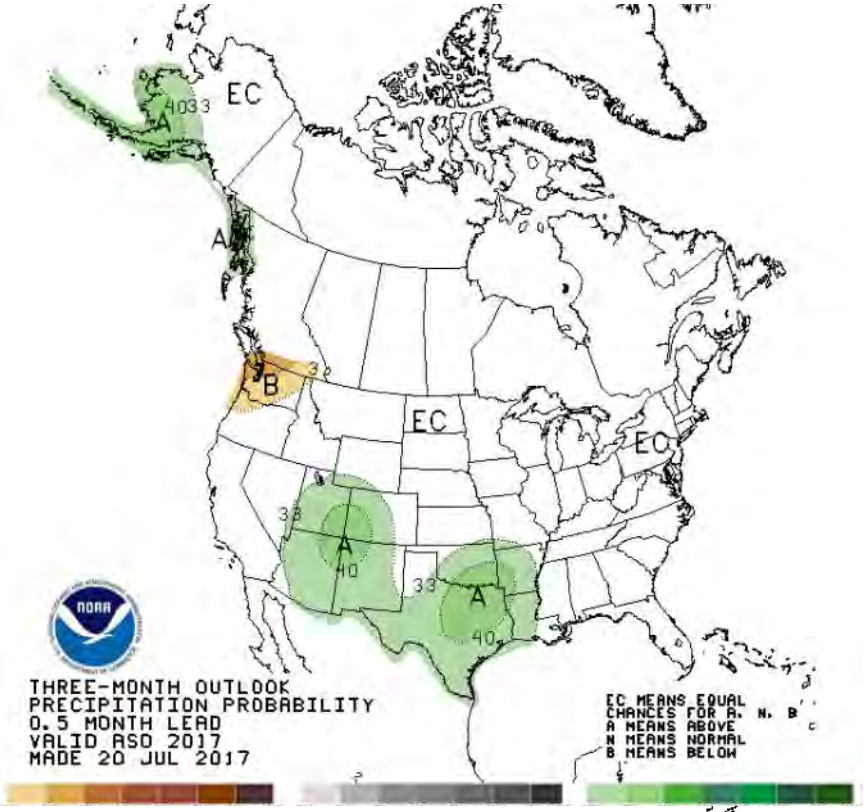


August Temperature Forecast:

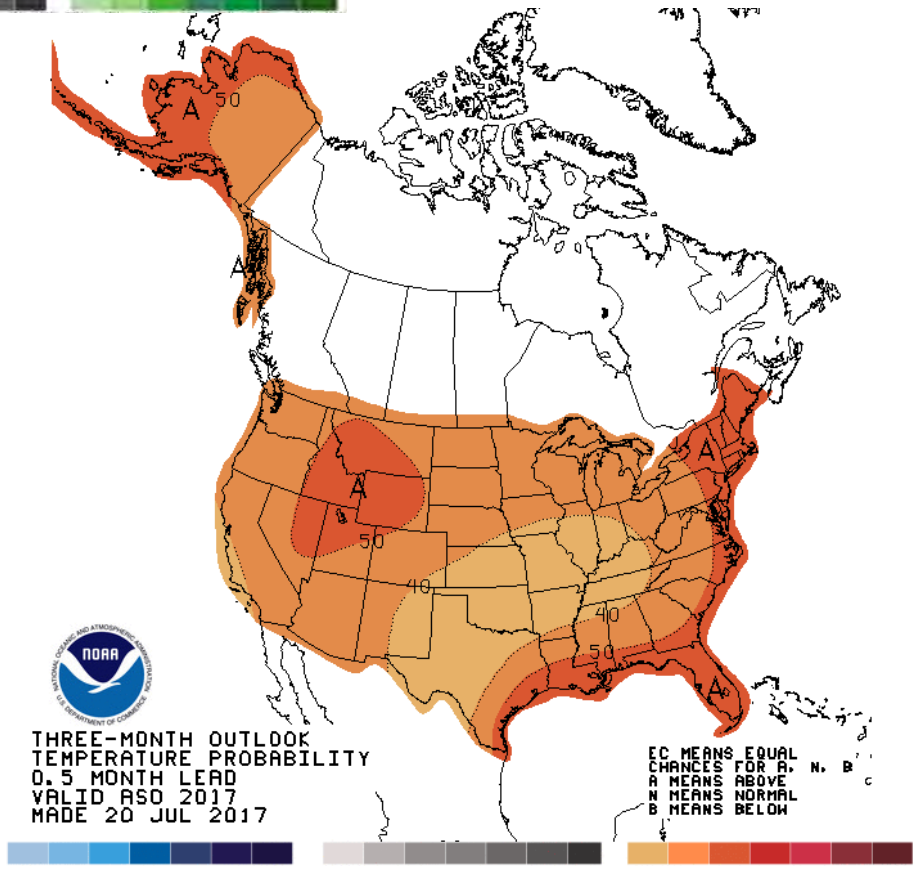


http://www.cpc.ncep.noaa.gov/products/predictions/long_range/lead14/index.php

August–October Precipitation Forecast:



August–October Temperature Forecast:



http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1

Long Range Forecast—

The Climate Prediction Center/NCEP issued its new Update on August 7, 2017:

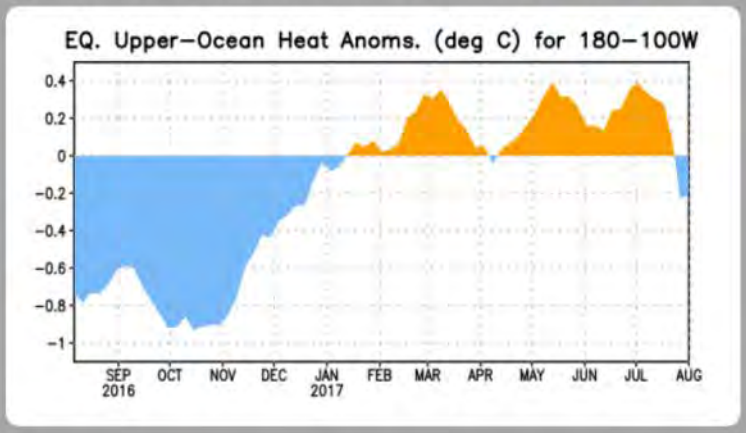
ENSO Alert System Status: Not Active

- **ENSO-Neutral conditions are present.***
- **Equatorial sea surface temperatures (SSTs) are near-average across most of the Pacific Ocean.**
- **ENSO-neutral is favored (50 to ~55% chance) into the Northern Hemisphere winter 2017-18.***

* Note: These statements (and the following charts) are updated at least once a month (2nd Thursday of each month) in association with the ENSO Diagnostics Discussion: http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory

Central and Eastern Pacific Upper-Ocean (0-300 m) Weekly Average Temperature Anomalies

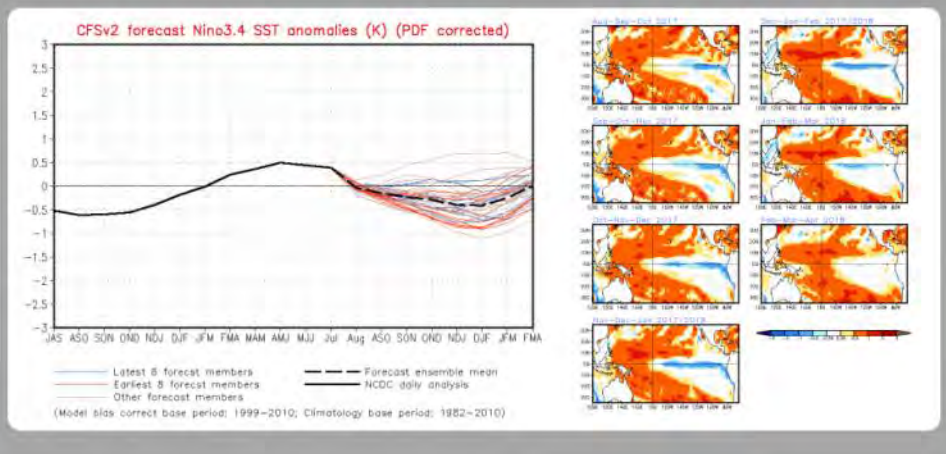
Negative subsurface temperature anomalies were present through December 2016. Positive anomalies were present from mid-January through March 2017 before weakening to near zero. Starting in mid-April and mid-June, positive anomalies strengthened before tapering off again. Since mid-July, anomalies have been negative.



SST Outlook: NCEP CFS.v2 Forecast (PDF corrected)

Issued: 6 August 2017

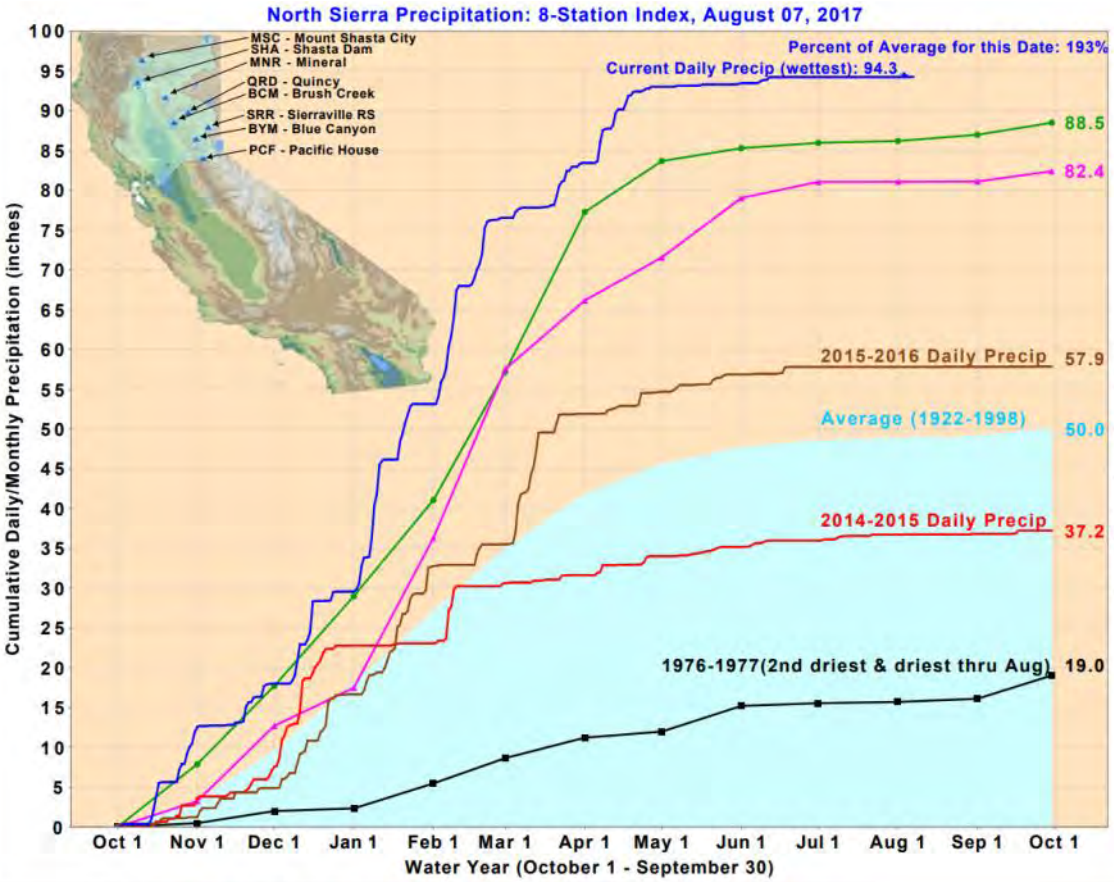
The CFS.v2 ensemble mean (black dashed line) favors ENSO-neutral/cool conditions during the 2017-18 Northern Hemisphere winter.



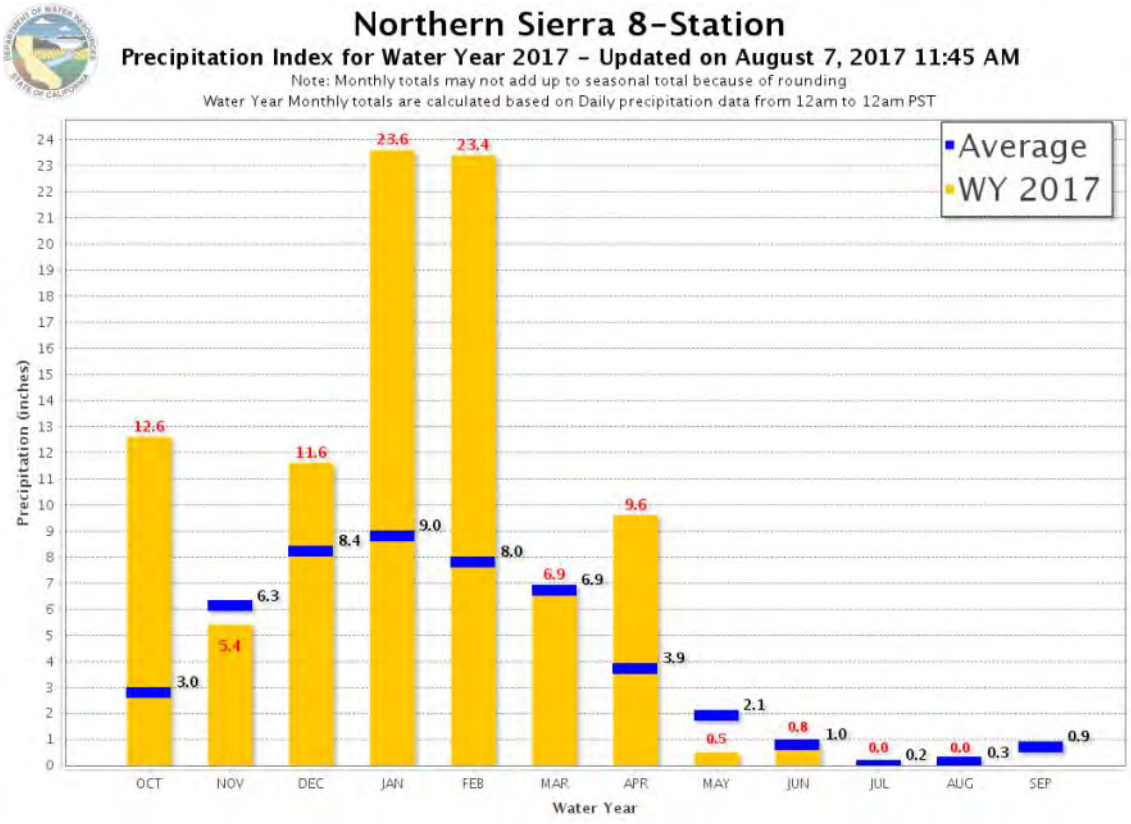
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/lanina/enso_evolution-status-fcsts-web.pdf—pages 11 and 25

Northern Sierra Precipitation—2016-17 Wettest Year on Record

As of August 7th, the 8-station Northern California index has recorded 94.3 inches of precipitation for this water year (up 0.1 of an inch from last week). This represents 193% of the typical average rainfall to date (188.6% of total for year). The average total for the normal year is 50.0 inches. This year is currently 5.8 inches over the previous record for wettest year.



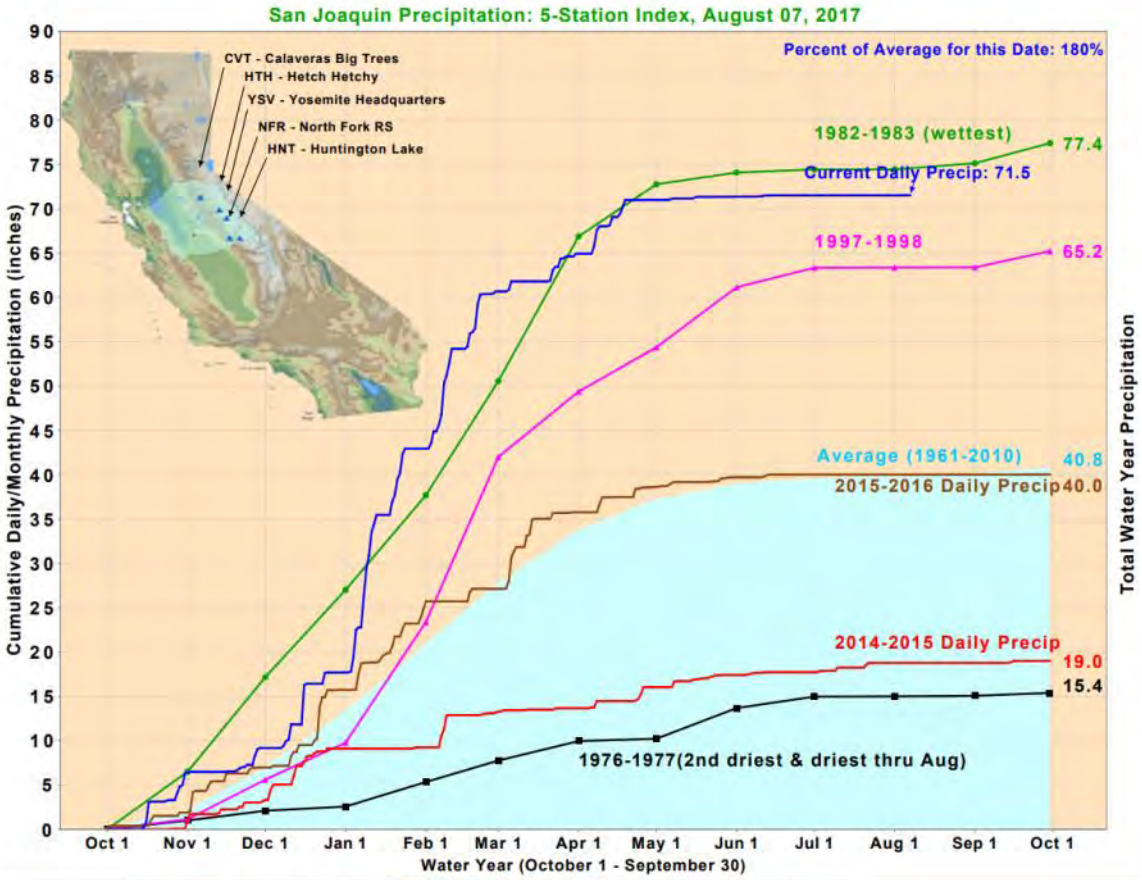
http://cdec.water.ca.gov/cgi-progs/products/PLOT_ESI.pdf



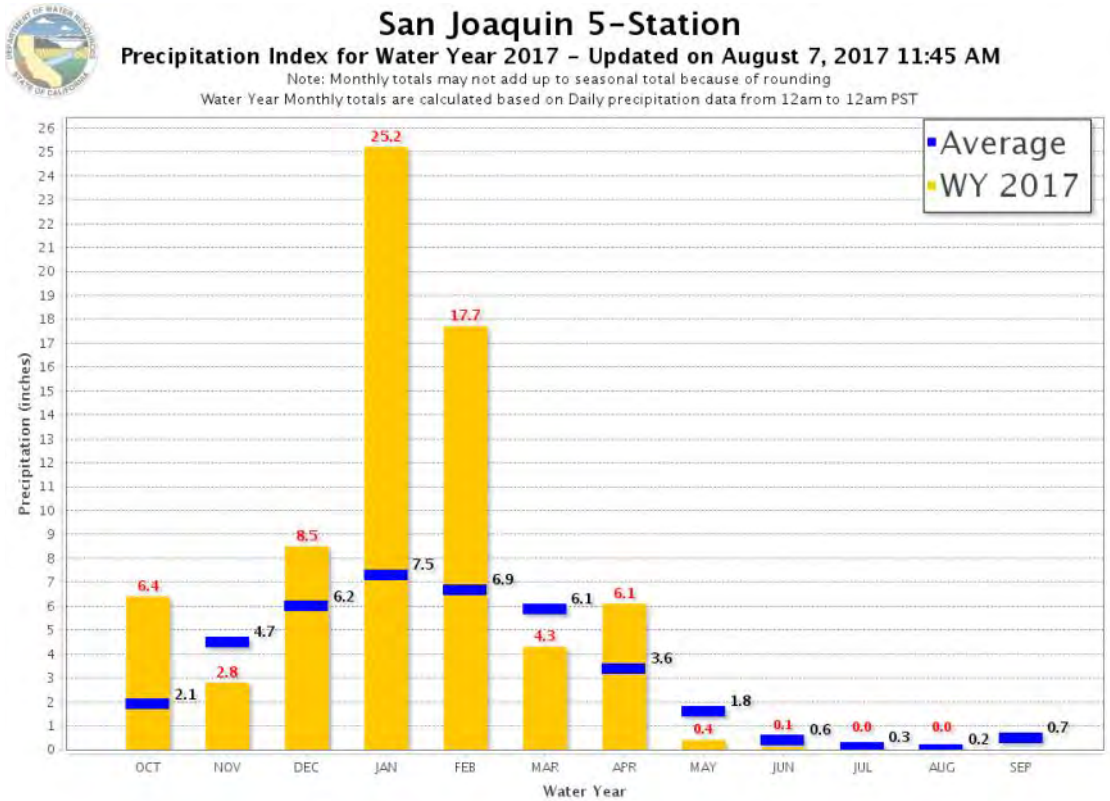
http://cdec.water.ca.gov/images/WYPrecip/BAR_ESI.PNG

San Joaquin Precipitation

As of August 7th, the 5-station San Joaquin index has recorded 71.5 inches of precipitation for this water year. This represents 180% of the typical average rainfall to date (175.2% of total for season). The average total for the normal season is 40.8 inches.



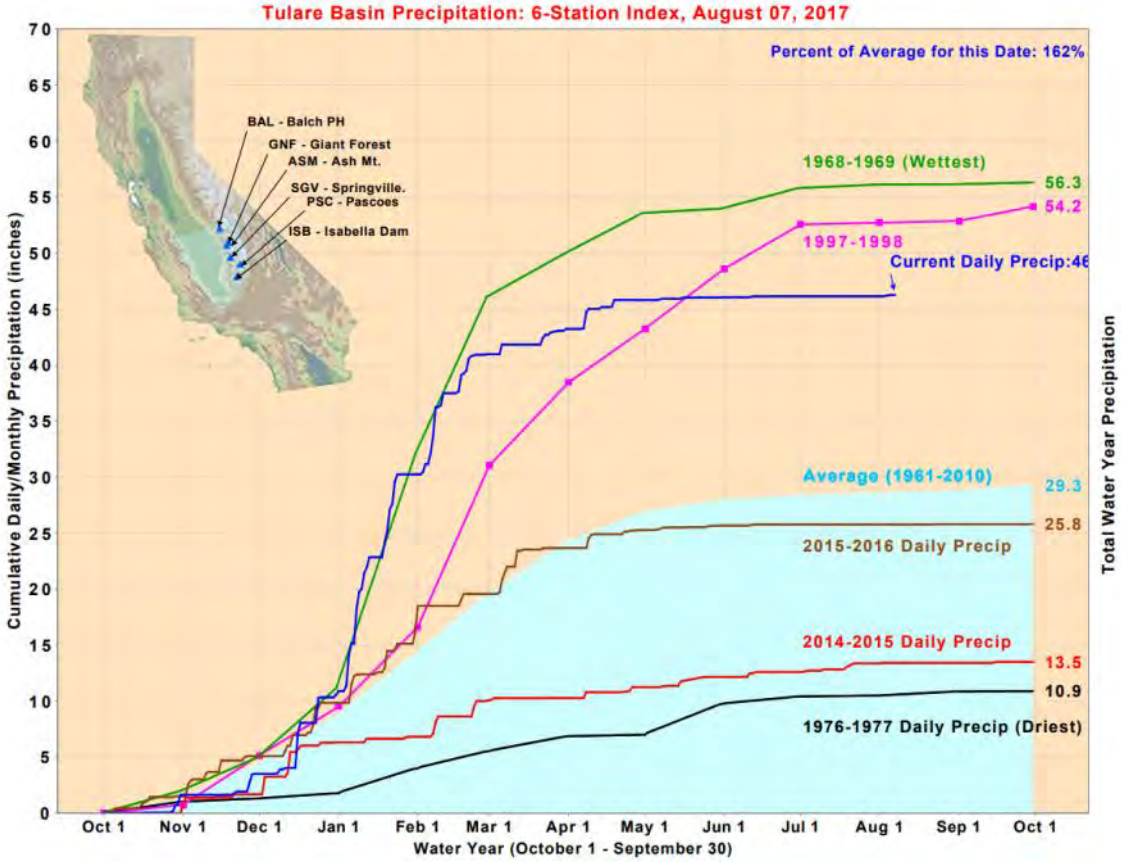
http://cdec.water.ca.gov/cgi-progs/products/PLOT_FSI.pdf



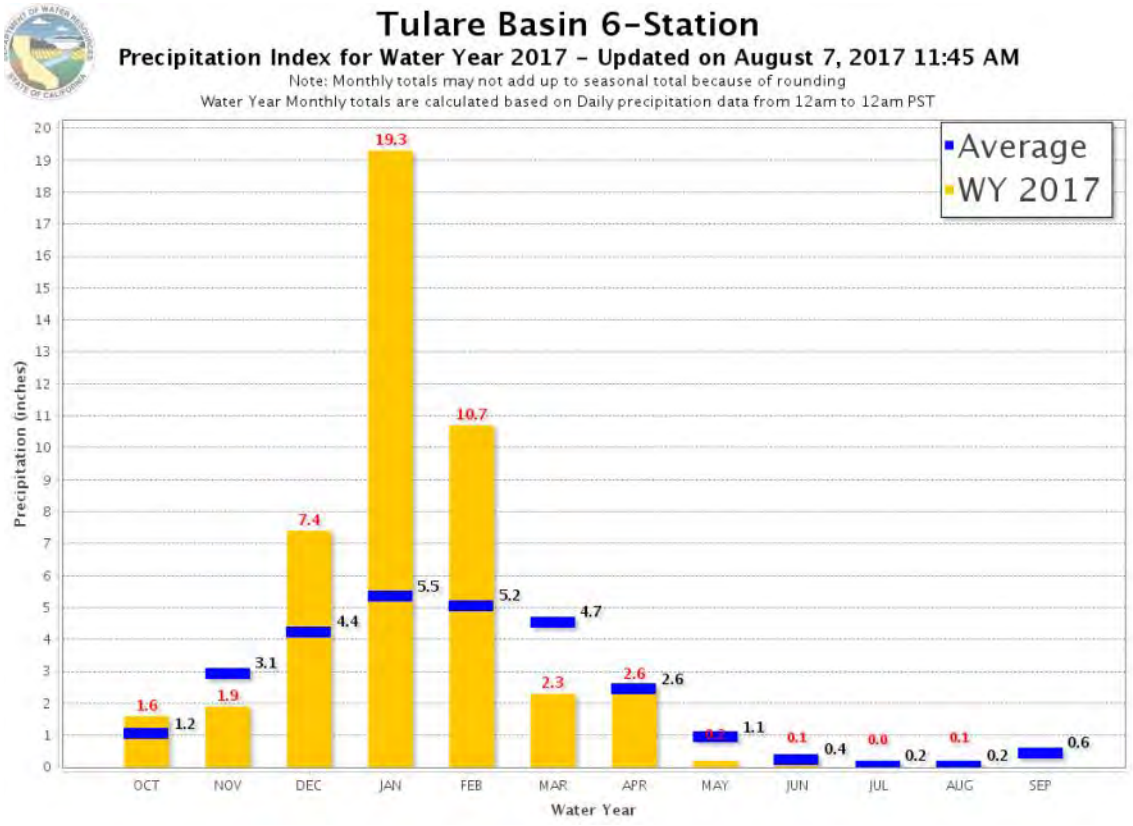
http://cdec.water.ca.gov/images/WYPrecip/BAR_FSI.PNG

Tulare Lake Basin Precipitation

As of August 7th, the 6-station Tulare Basin index has recorded 46.3 inches of precipitation for this water year (up 0.1 of an inch from last week). This represents 162% of the typical average rainfall to date (158% of the season total). The average total for the normal season is 29.3 inches.



http://cdec.water.ca.gov/cgi-progs/products/PLOT_TSI.pdf



http://cdec.water.ca.gov/images/WYPrecip/BAR_TSI.PNG

2017 Agricultural Water Allocations—

SWP:

As of April 14, 2017, the 2017 SWP allocation is set at 85%.

http://www.water.ca.gov/swpao/docs/notices/17-05.pdf

As of January 18, 2017, the 2017 SWP allocation is set at 60%.

http://www.water.ca.gov/news/newsreleases/2017/011817swp_allocation.pdf

As of December 21, 2016, the 2017 SWP allocation is set at 45%.

http://www.water.ca.gov/news/newsreleases/2016/122116.pdf

The 2017 SWP allocation is set at 20% as of November 28, 2016.

http://www.water.ca.gov/news/newsreleases/2016/112916.pdf

CVP:

As of April 11, 2017, the South-of-the-Delta CVP Allocation is set at 100%.

https://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=59000

As of March 22, 2017, the South-of-the-Delta CVP Allocation is set at 65%.

https://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=58861

As of February 28, 2017, USBR announces Friant Class 1 allocation is set at 100%.

Class 2 water is available up to the full contract amount during the uncontrolled season.

Unreleased Restoration Flow supply related to the San Joaquin River Restoration Program of 358,730 acre-feet are being made available in a block that needs to be scheduled and delivered by June 15 to avert flood management concerns.

https://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=58769

***Disclaimer**: The information contained herein is compiled from a number of sources. Some of what we report is gleaned from news articles or meetings we attend. While we strive for this information to be accurate, it may be in error, and much of the information and data contained herein is provisional and subject to future revisions. If you plan on using this information to make business decisions about your water assets or needs, we strongly suggest that you do your own independent verification of the accuracy of this information. The Water Agency, Inc. provides no guarantee as to the accuracy or completeness of the information. Neither The Water Agency, Inc., nor any of the sources of the information contained herein are responsible for any errors or omissions, or for the use or results obtained from the use of this information. Please feel free to send us information or opinions, which are contrary to what we write, so we can try to integrate them into future updates.*

Erick H. Johnson
ErickHJ@WaterAgency.com
The Water Agency, Inc.
Phone: (559) 438-8418
Fax: (559) 438-0480
2505 Alluvial Avenue, Clovis, CA 93611

(Northwest corner of Temperance & Alluvial)