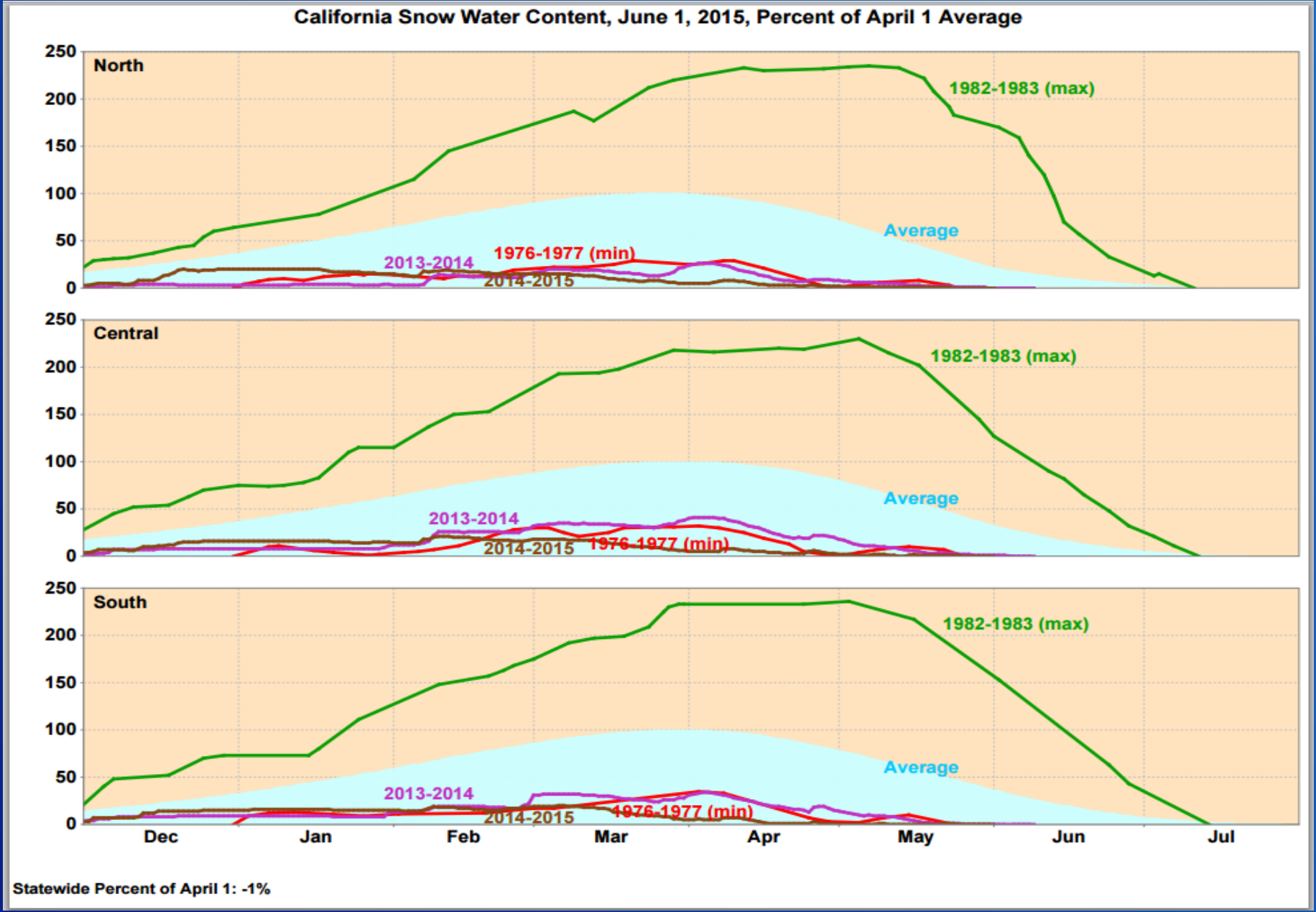
Water Year 2015 Hydrology Review

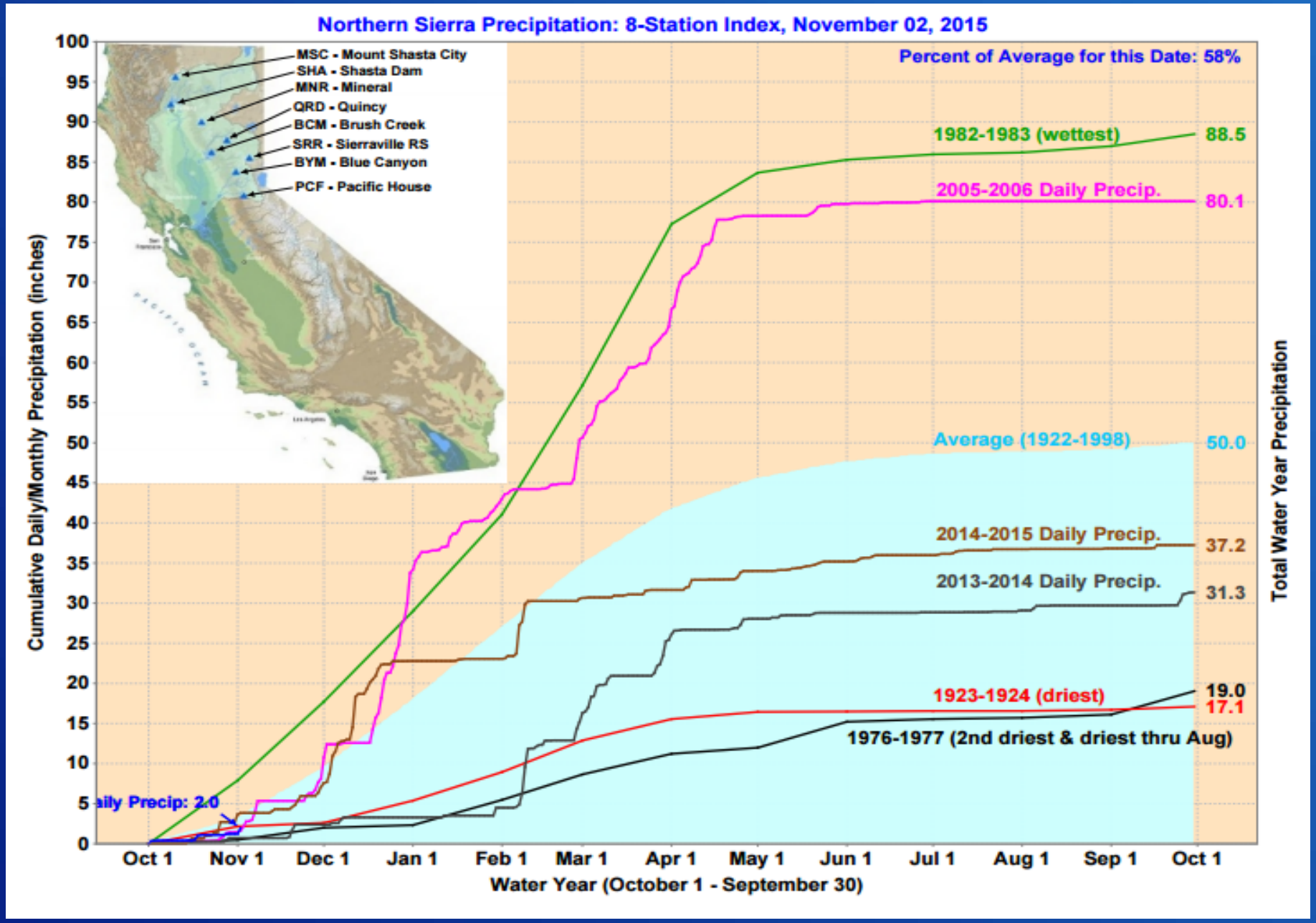
RECLAMATION

Major Facilities

RECLAMATION



RECLAMATION



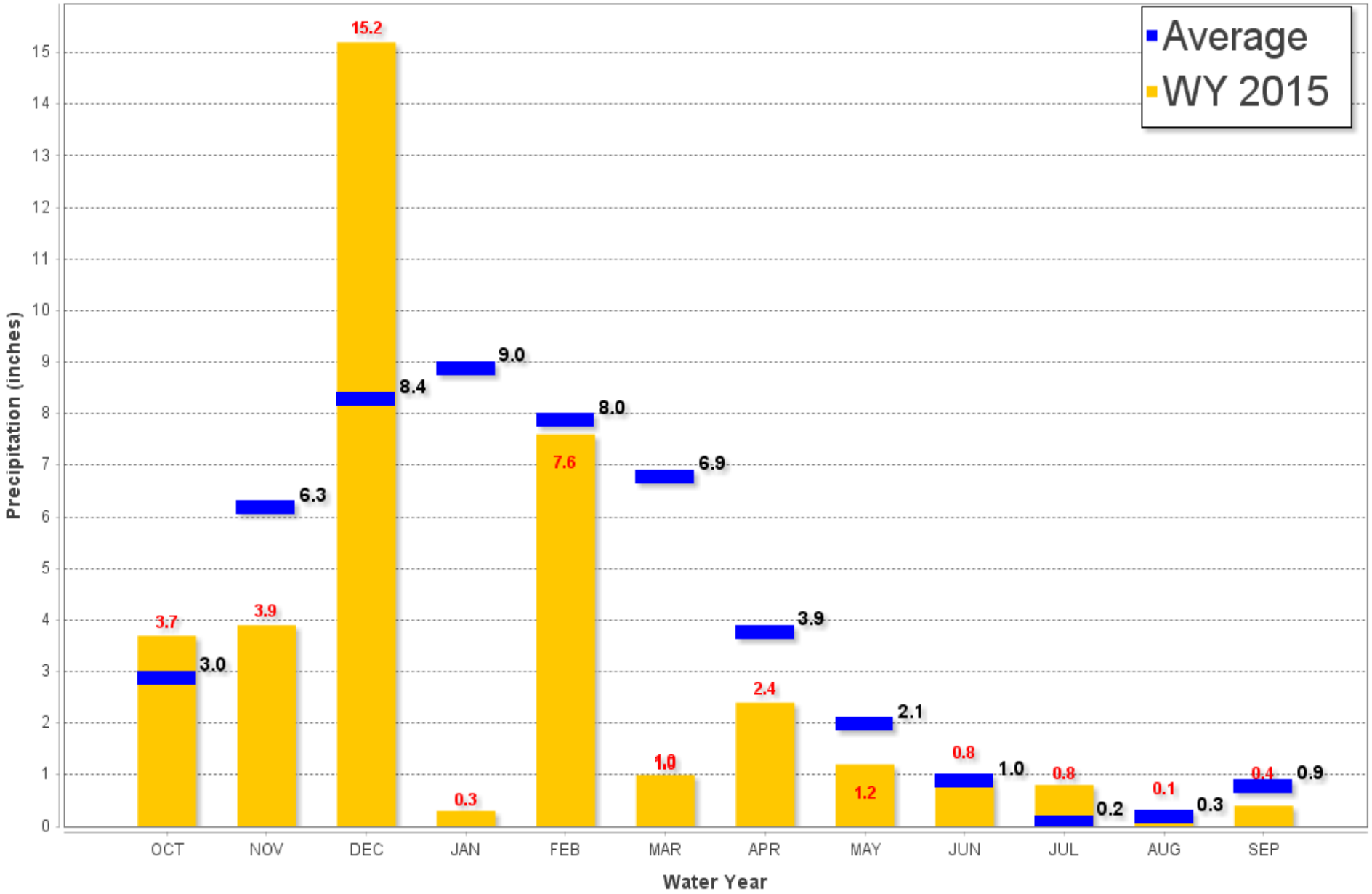
RECLAMATION

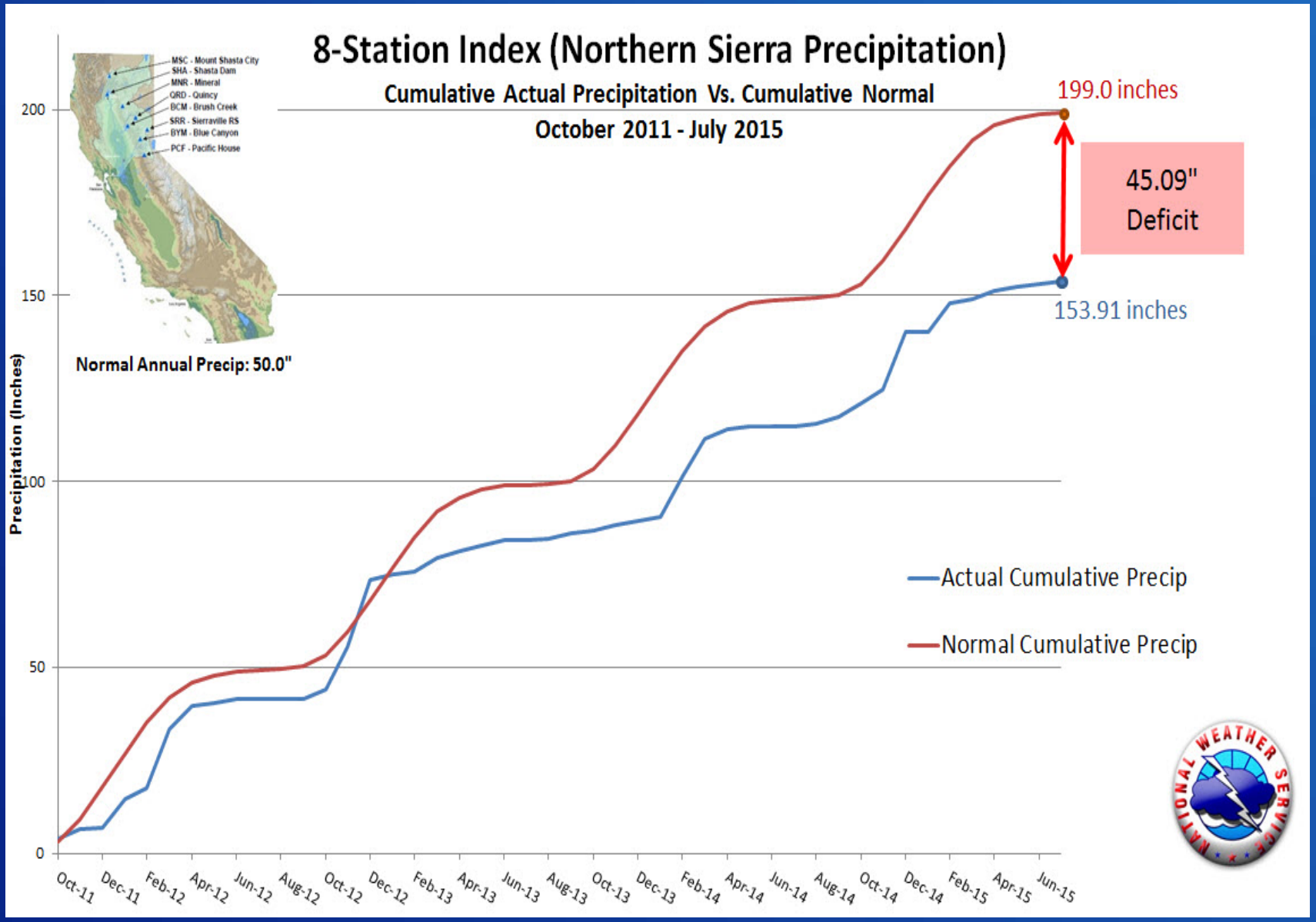
Northern Sierra 8-Station

Precipitation Index for Water Year 2015 - Updated on September 30, 2015 09:45 PM

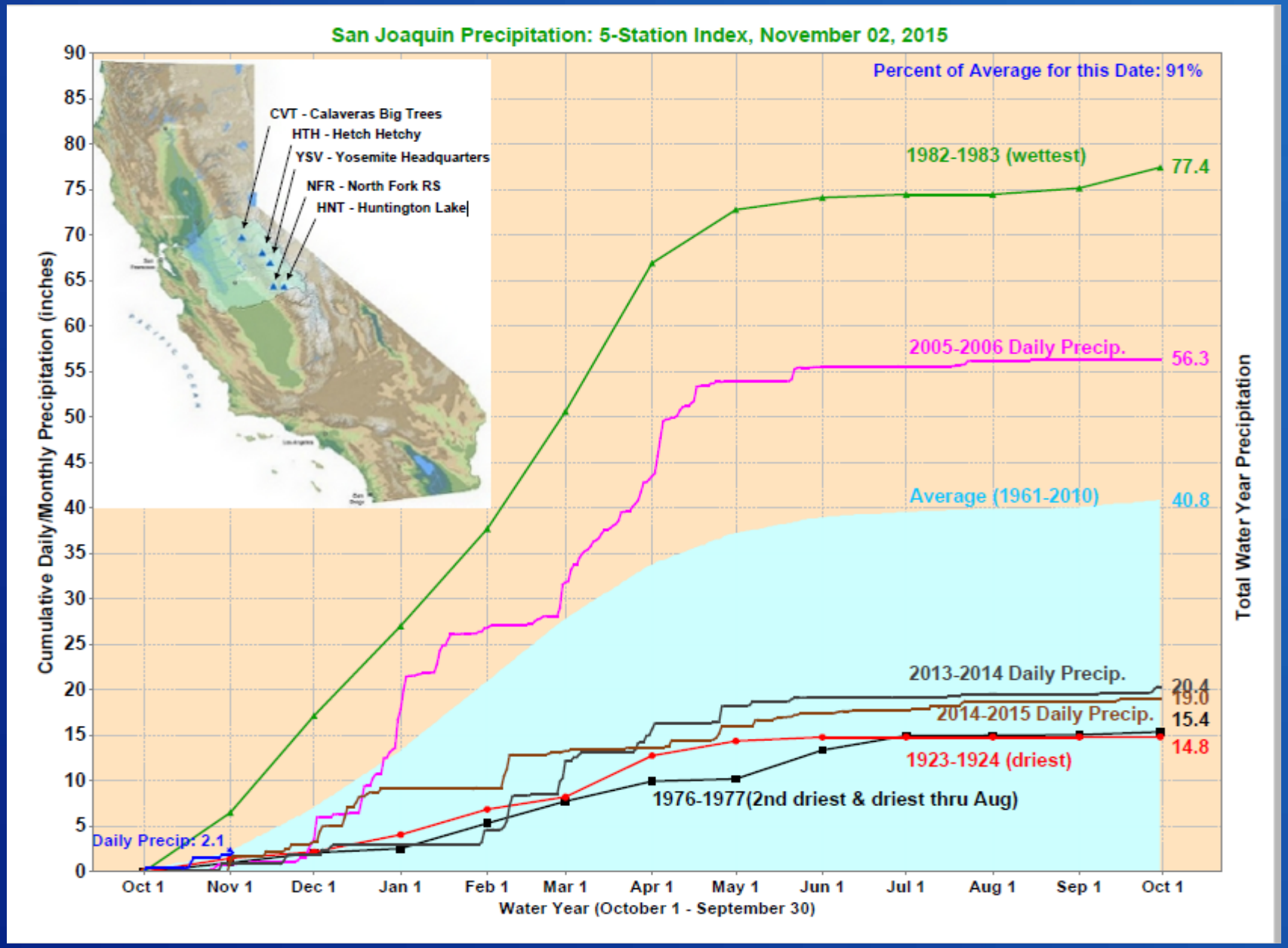
Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST





RECLAMATION



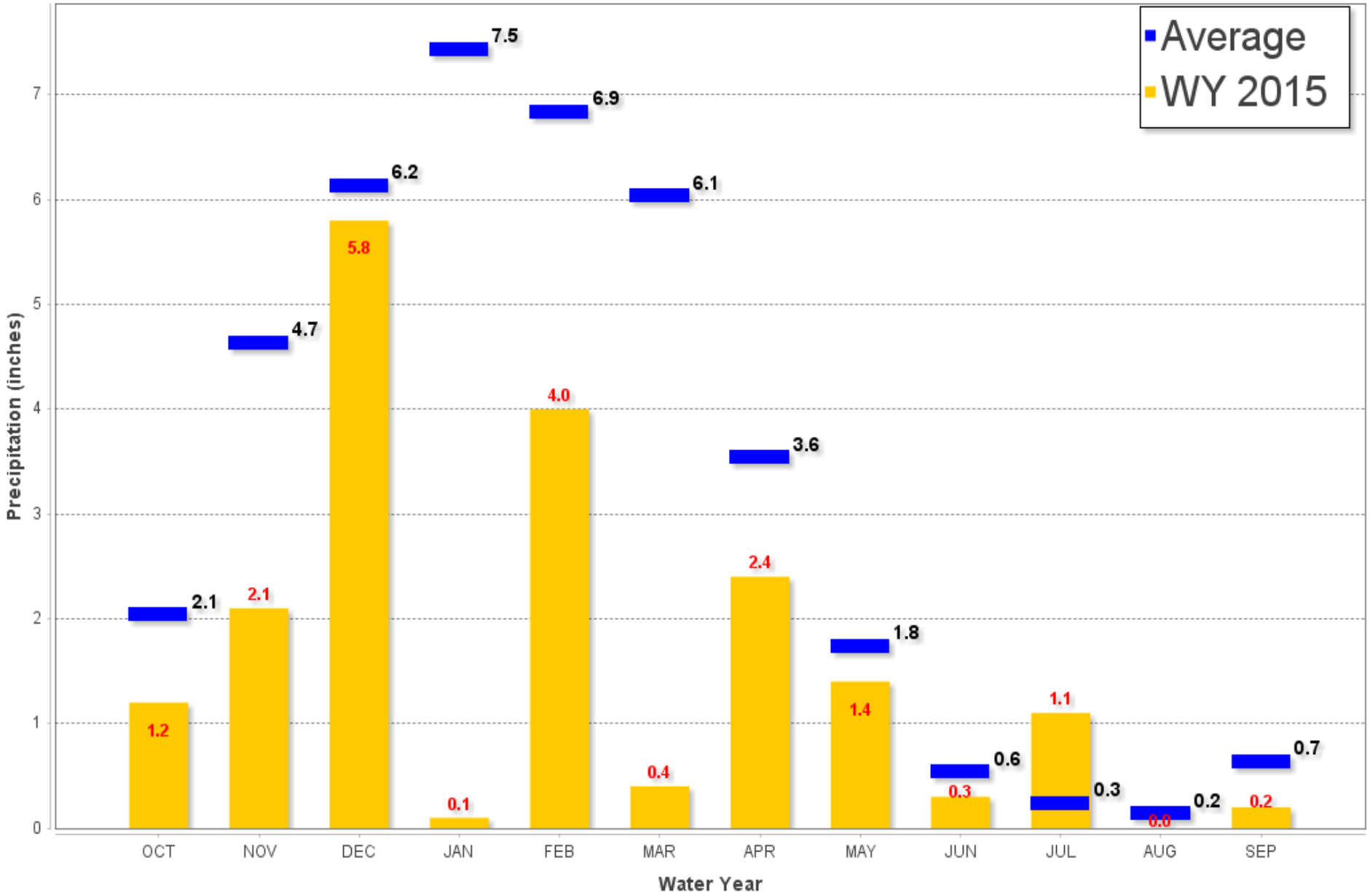
RECLAMATION

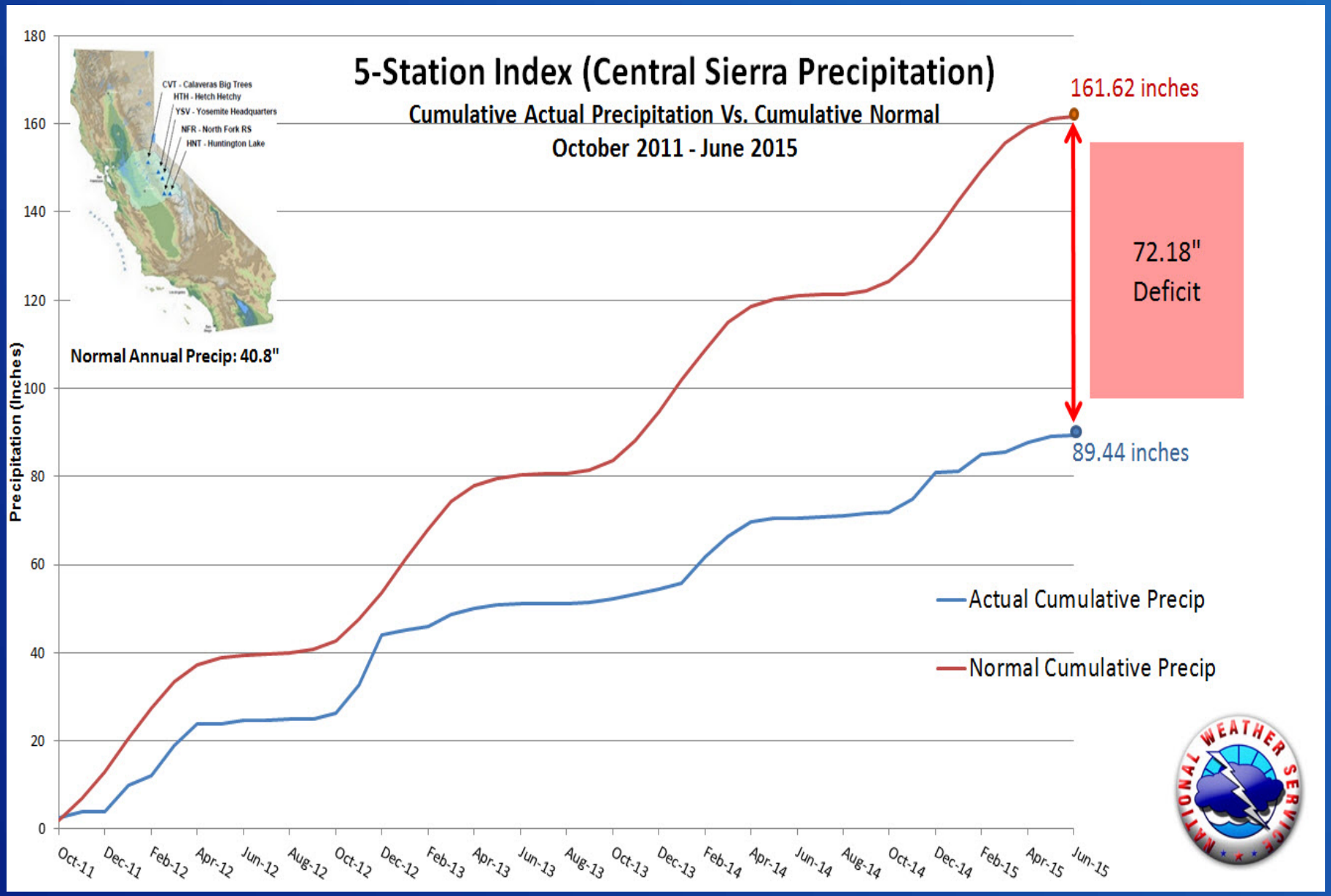
San Joaquin 5-Station

Precipitation Index for Water Year 2015 - Updated on September 30, 2015 09:45 PM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



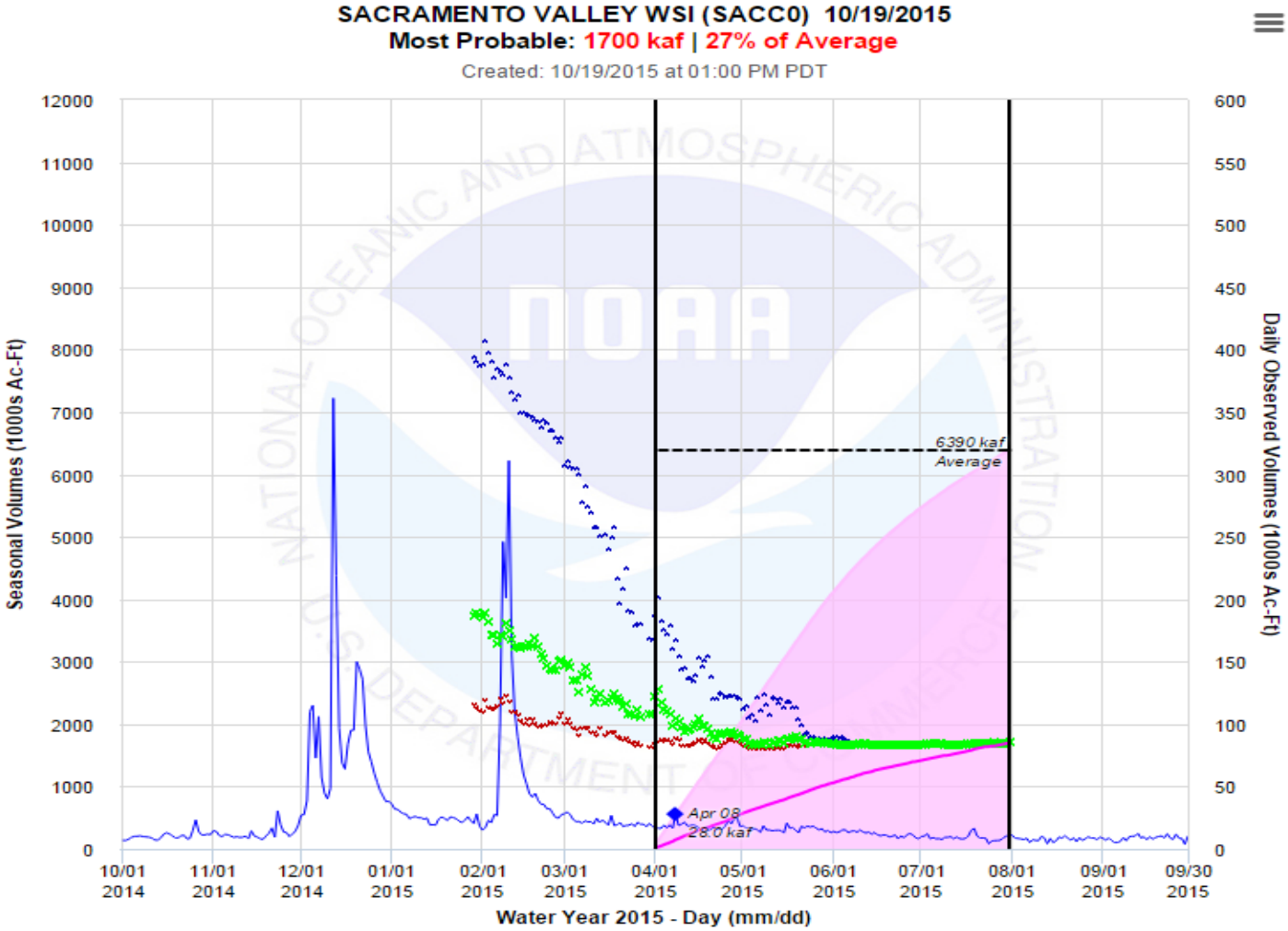


RECLAMATION

2015 Seasonal Trend Plot (Year View)

Tabular View | Select a Different Water Year: 2015

Switch to Seasonal View



Observed Season to Date Percent of Average: N/A% (M kaf) Season to Date Average: kaf

Historical Apr-Jul Vol Max: 13700 kaf in 1952 Historical Apr-Jul Vol Min: 1930 kaf in 1977

30-Year Apr-Jul Vol Mean | Season to Date Avg | NWS Apr-Jul Fcst | Season to Date Obs | Daily Obs | Obs Peak

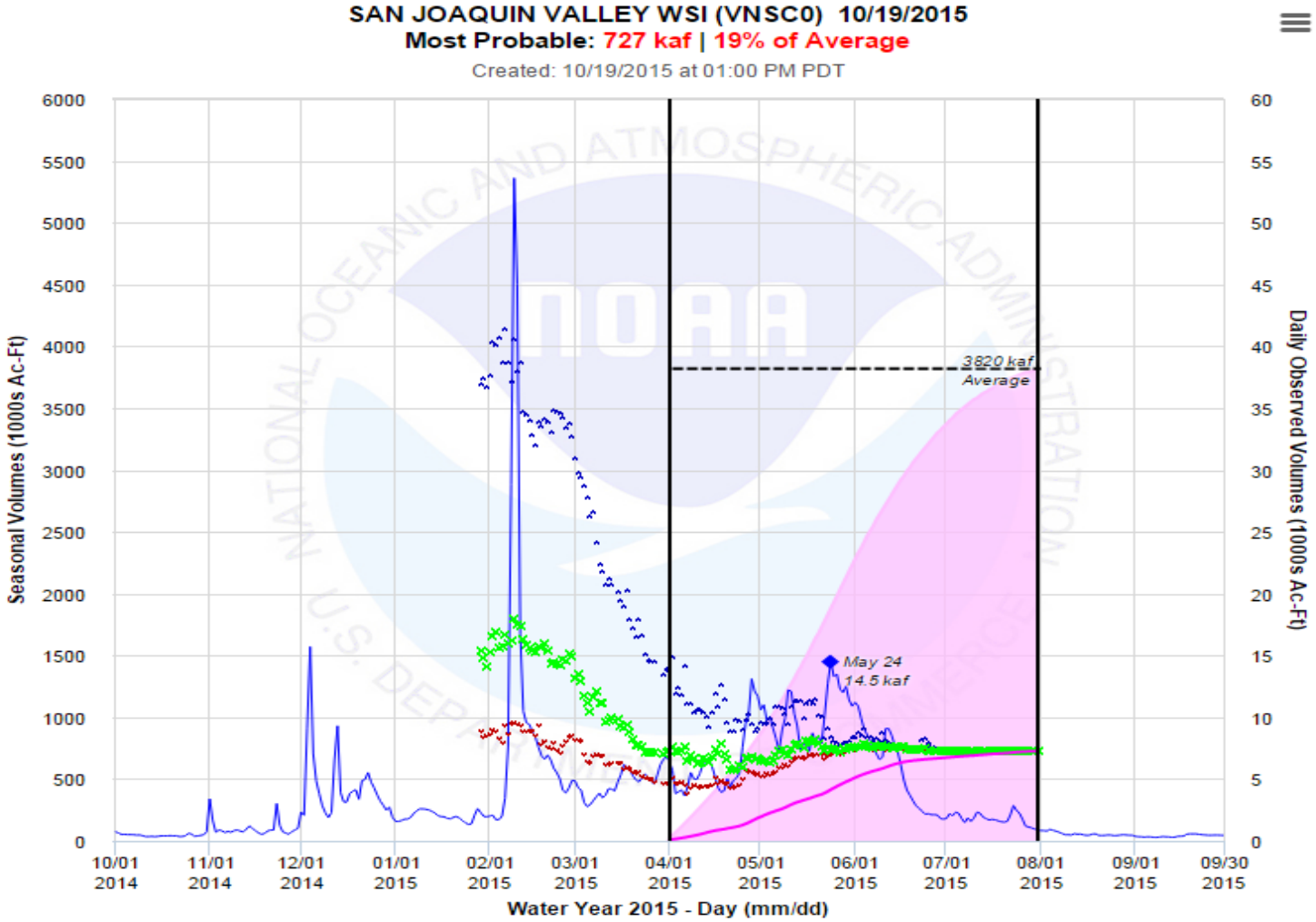
ESP Apr-Jul Fcst 10% | ESP Apr-Jul Fcst 25% | ESP Apr-Jul Fcst 50% | ESP Apr-Jul Fcst 75% | ESP Apr-Jul Fcst 90%

RECLAMATION

2015 Seasonal Trend Plot (Year View)

Tabular View | Select a Different Water Year: 2015

Switch to Seasonal View



Observed Season to Date Percent of Average: N/A% (M kaf) Season to Date Average: kaf

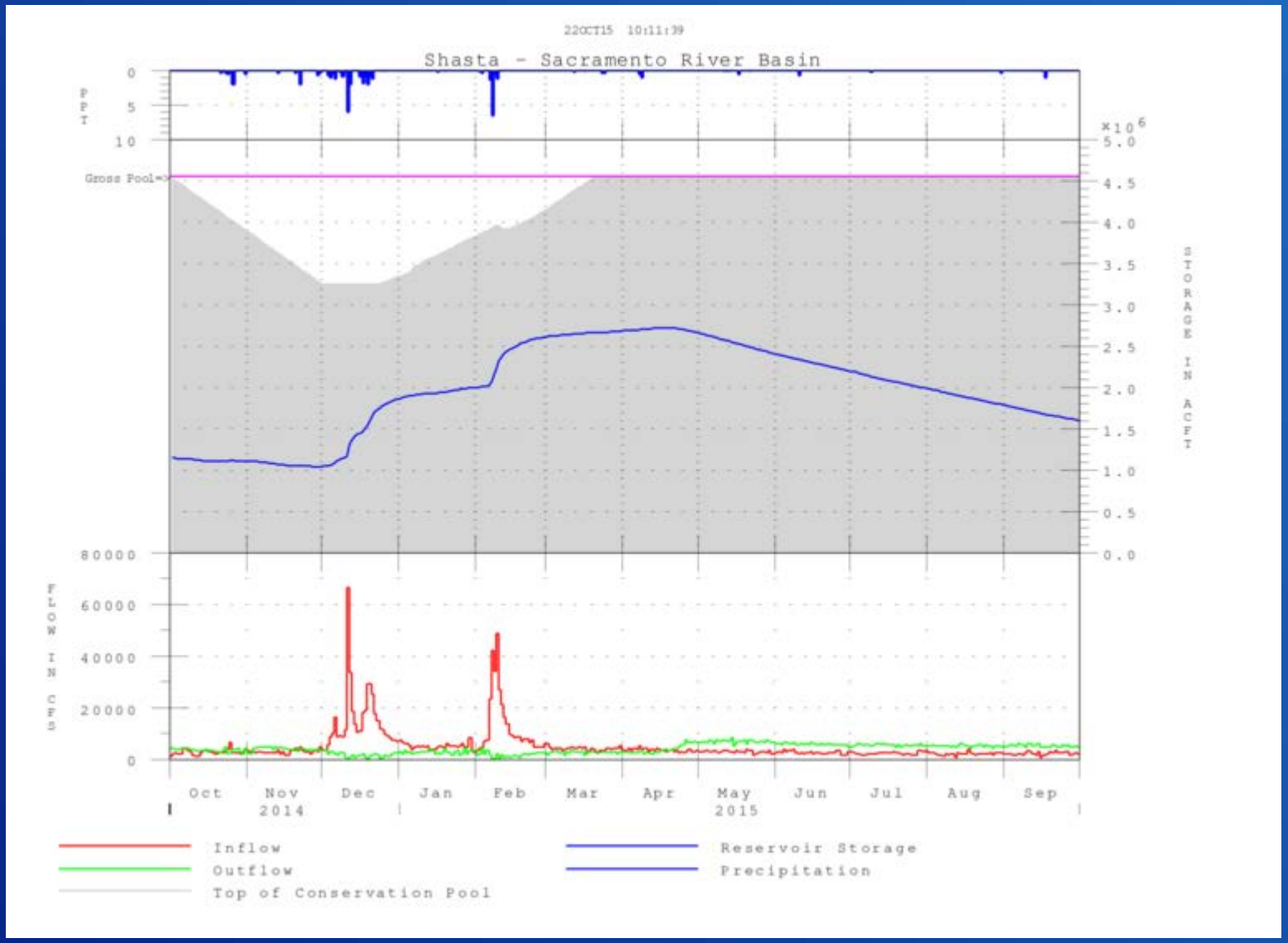
Historical Apr-Jul Vol Max: 9240 kaf in 1906 Historical Apr-Jul Vol Min: 800 kaf in 1977

30-Year Apr-Jul Vol Mean | Season to Date Avg | NWS Apr-Jul Fcst | Season to Date Obs | Daily Obs | Obs Peak

ESP Apr-Jul Fcst 10% | ESP Apr-Jul Fcst 25% | ESP Apr-Jul Fcst 50% | ESP Apr-Jul Fcst 75% | ESP Apr-Jul Fcst 90%

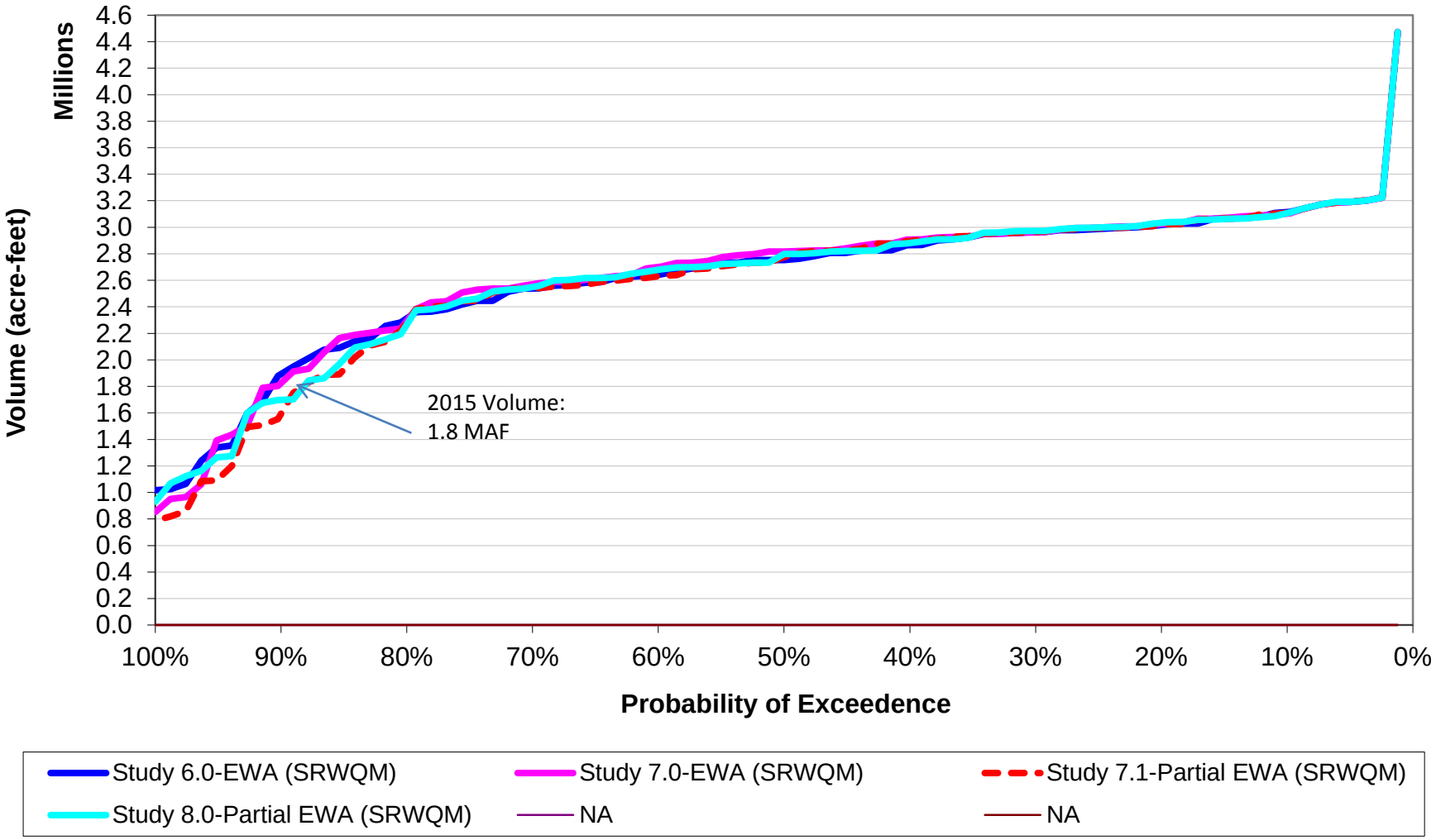
RECLAMATION

Shasta – WY 2015



RECLAMATION

Cold Water Resource - Lake Shasta
(End of April Lake Volume Less Than 52˚F)



RECLAMATION

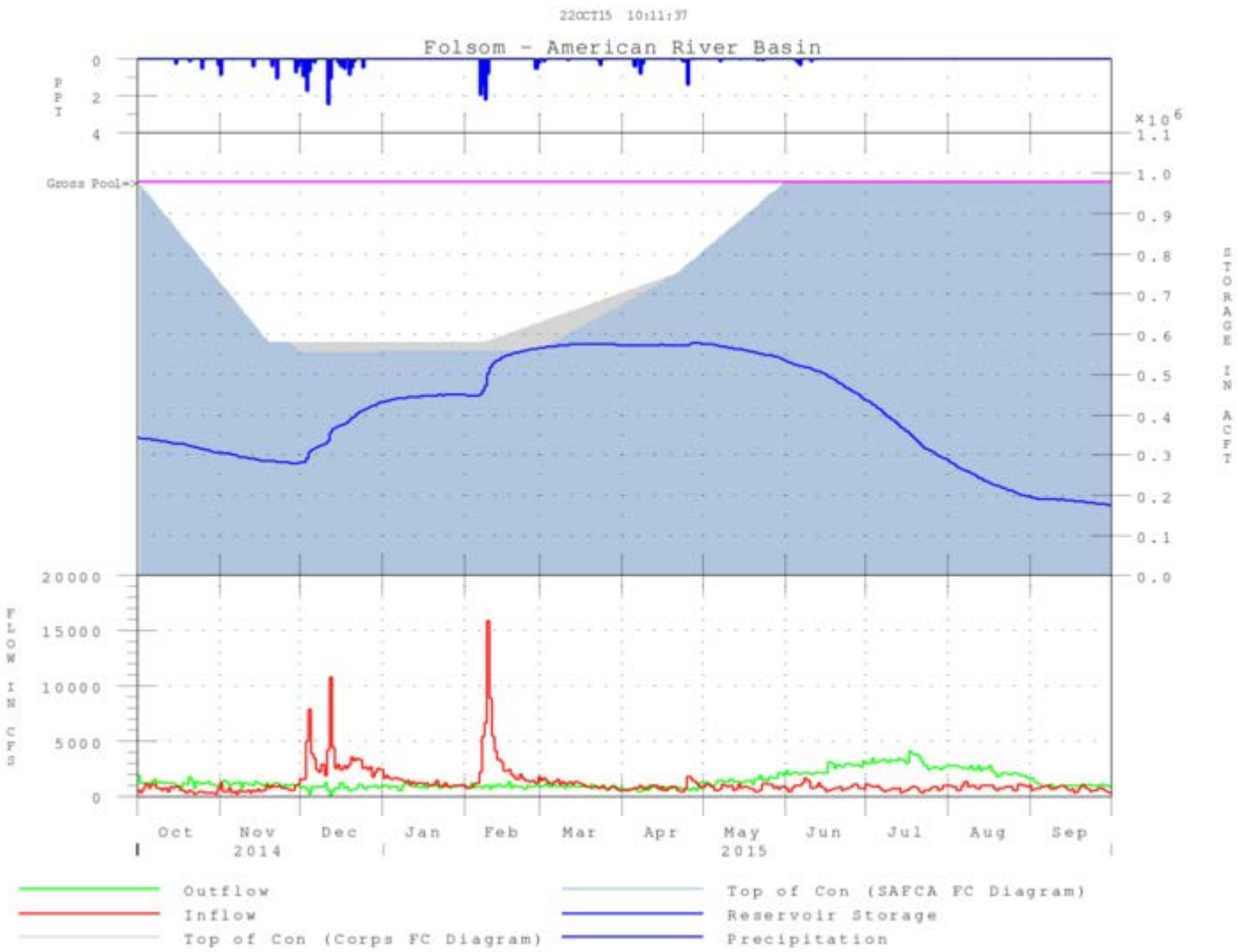
Shasta – 09/25/2015

RECLAMATION

Shasta Temperature Control Device “Wrap”

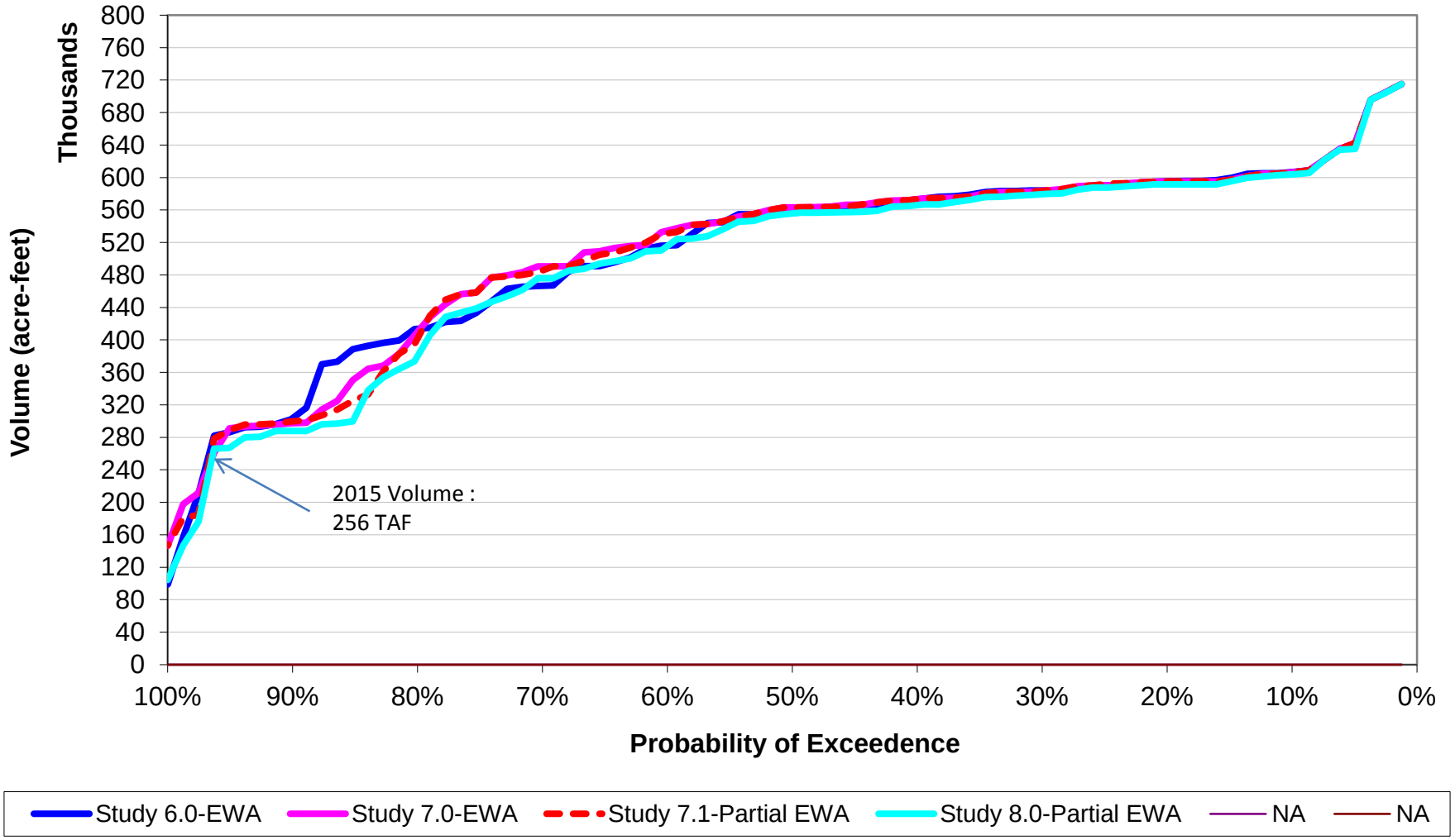
RECLAMATION

Folsom – WY 2015



RECLAMATION

Cold Water Resource - Folsom Lake
(End of May Lake Volume Less Than 58˚F)



RECLAMATION

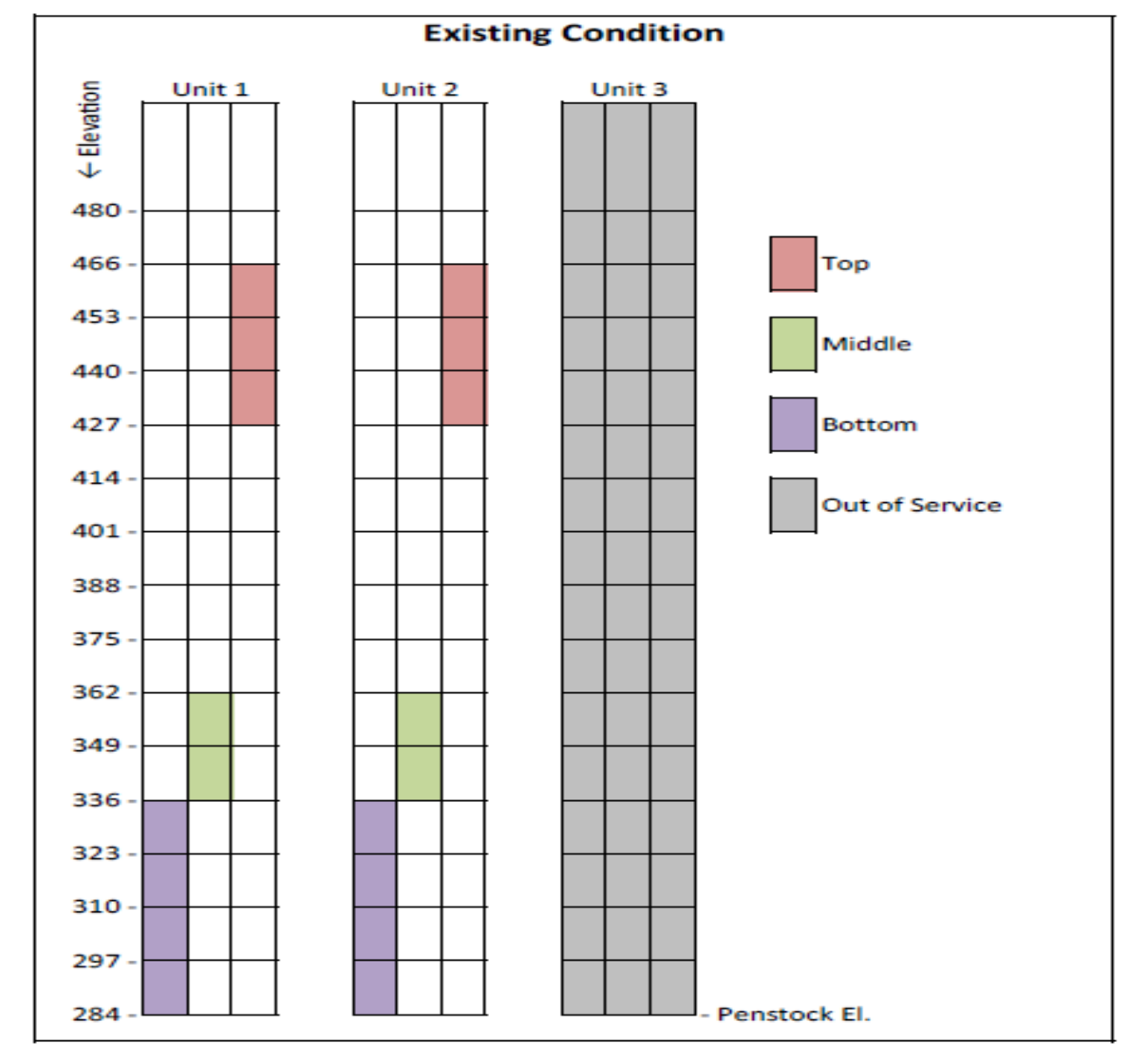
Folsom – 11/01/2015

RECLAMATION

Folsom – 11/01/2015

RECLAMATION

Folsom Shutter Configuration

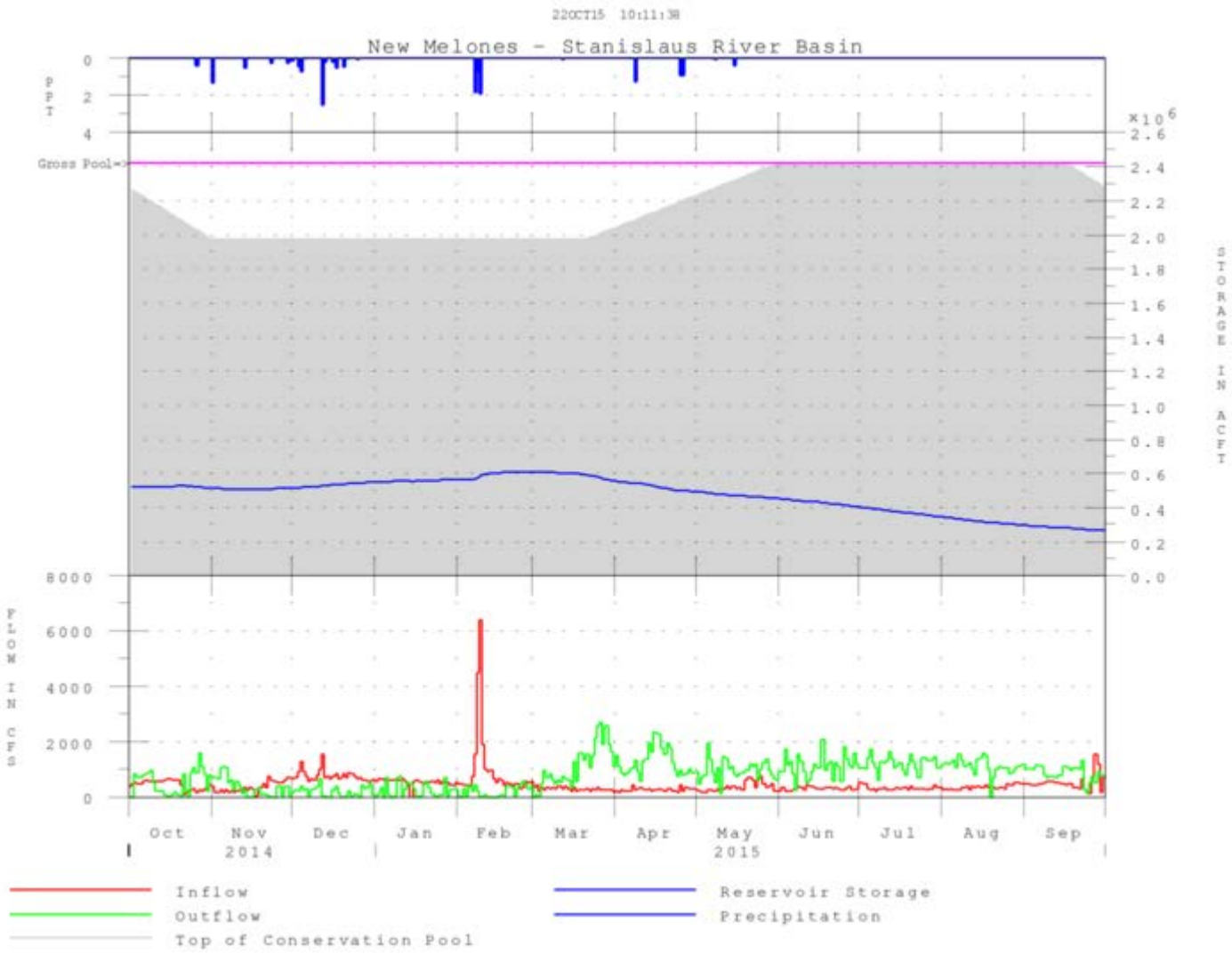


RECLAMATION

Folsom – 11/01/2015

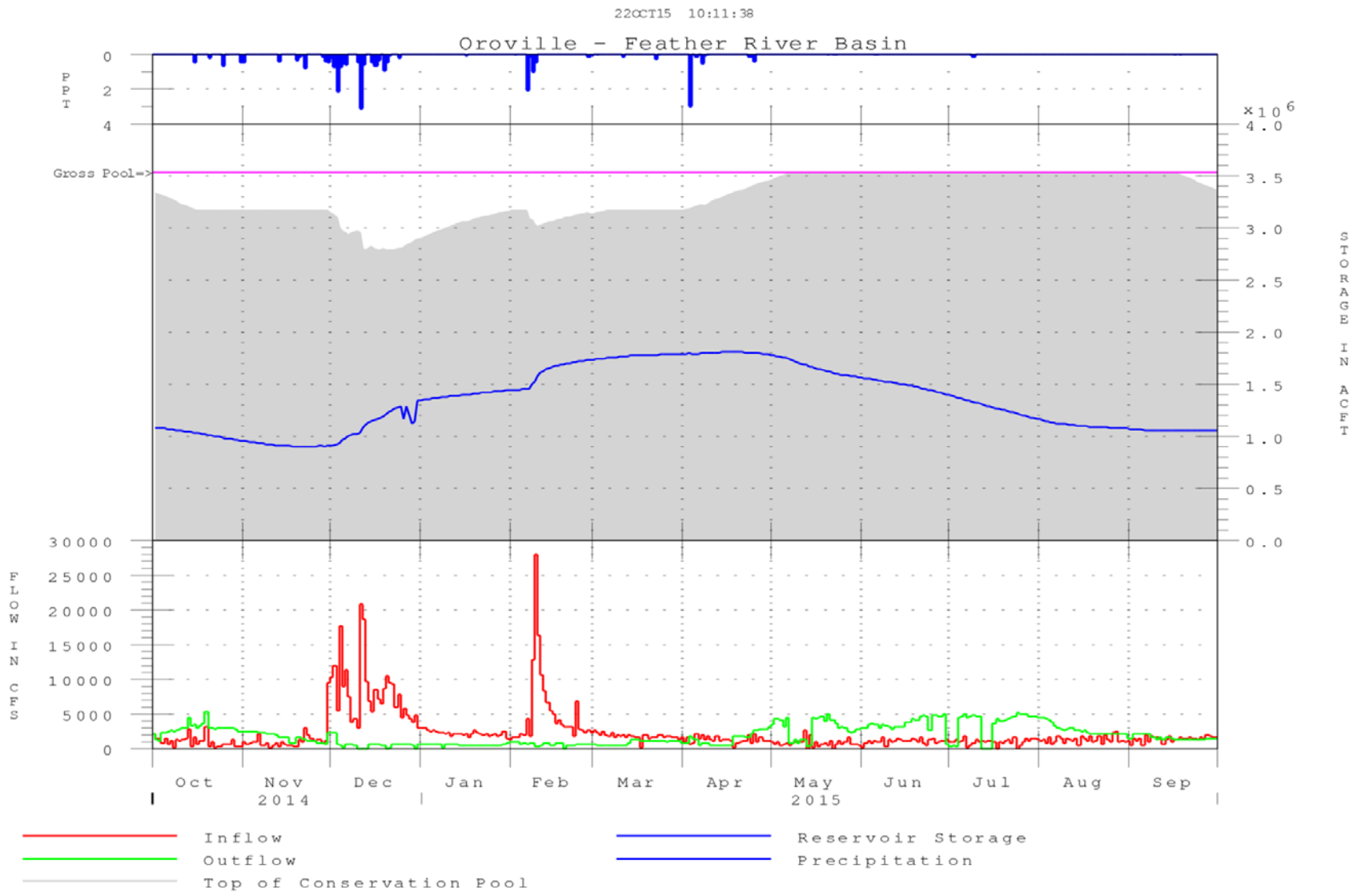
RECLAMATION

New Melones – WY 2015

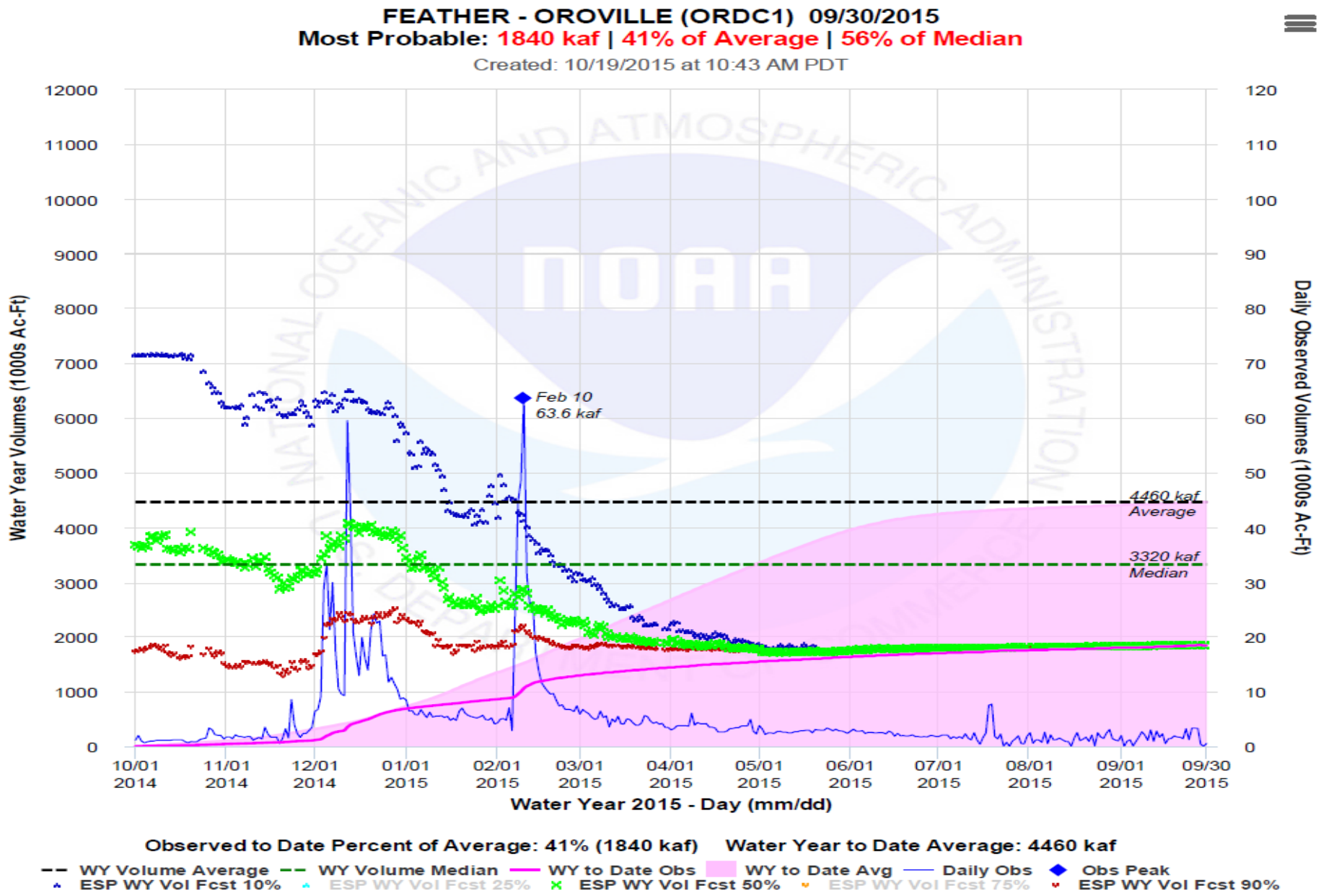


RECLAMATION

Oroville – WY 2015

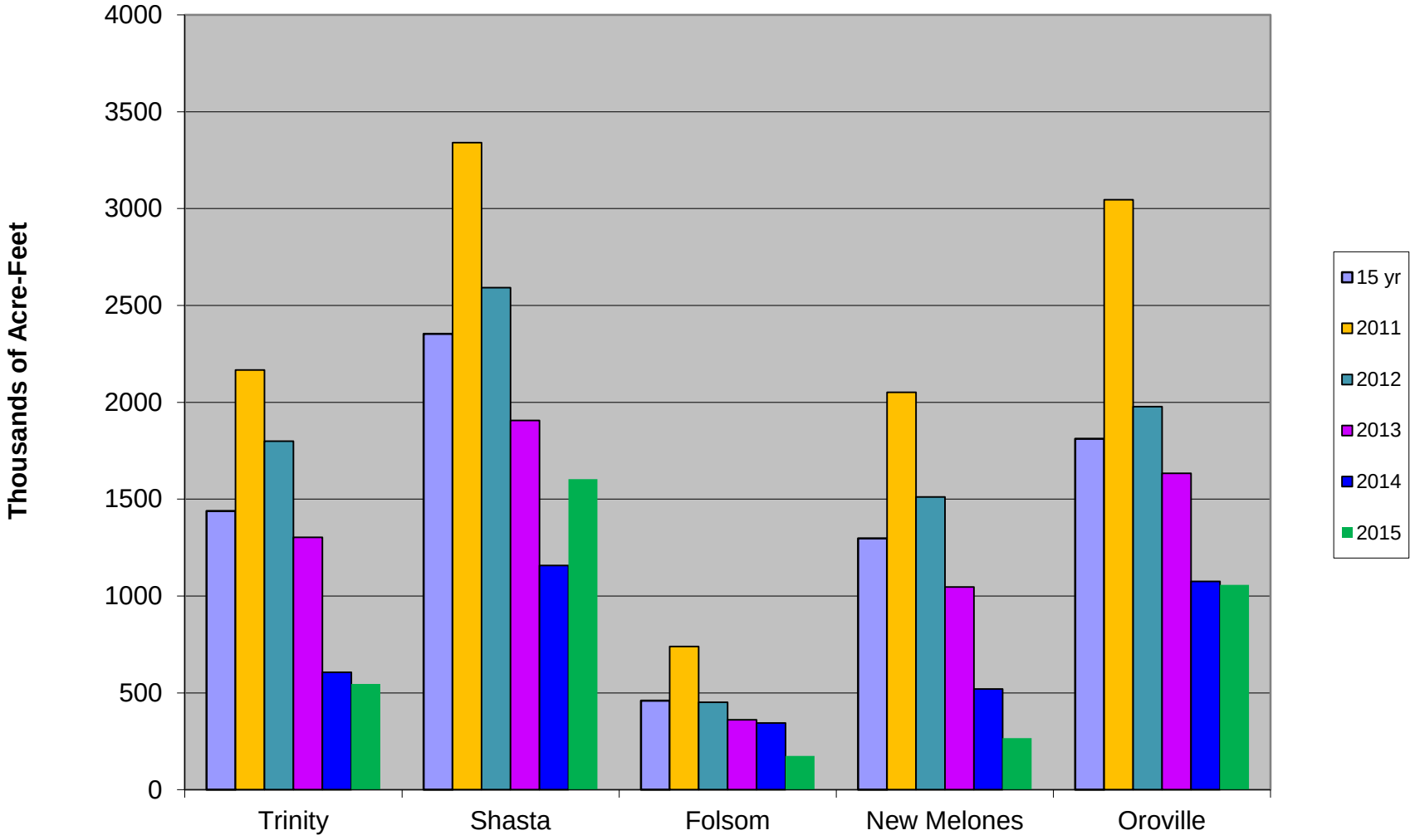


Streamflow


FEATHER - OROVILLE (ORDC1) 09/30/2015
Most Probable: 1840 kaf | 41% of Average | 56% of Median
Created: 10/19/2015 at 10:43 AM PDT
Water Year Volumes (1000s Ac-Ft)
Daily Observed Volumes (1000s Ac-Ft)
Feb 10
63.6 kaf
4460 kaf
Average
3320 kaf
Median
10/01 2014
11/01 2014
12/01 2014
01/01 2015
02/01 2015
03/01 2015
04/01 2015
05/01 2015
06/01 2015
07/01 2015
08/01 2015
09/01 2015
09/30 2015
Water Year 2015 - Day (mm/dd)
Observed to Date Percent of Average: 41% (1840 kaf)
Water Year to Date Average: 4460 kaf
WY Volume Average
WY Volume Median
WY to Date Obs
WY to Date Avg
Daily Obs
Obs Peak
ESP WY Vol Fcst 10%
ESP WY Vol Fcst 25%
ESP WY Vol Fcst 50%
ESP WY Vol Fcst 75%
ESP WY Vol Fcst 90%

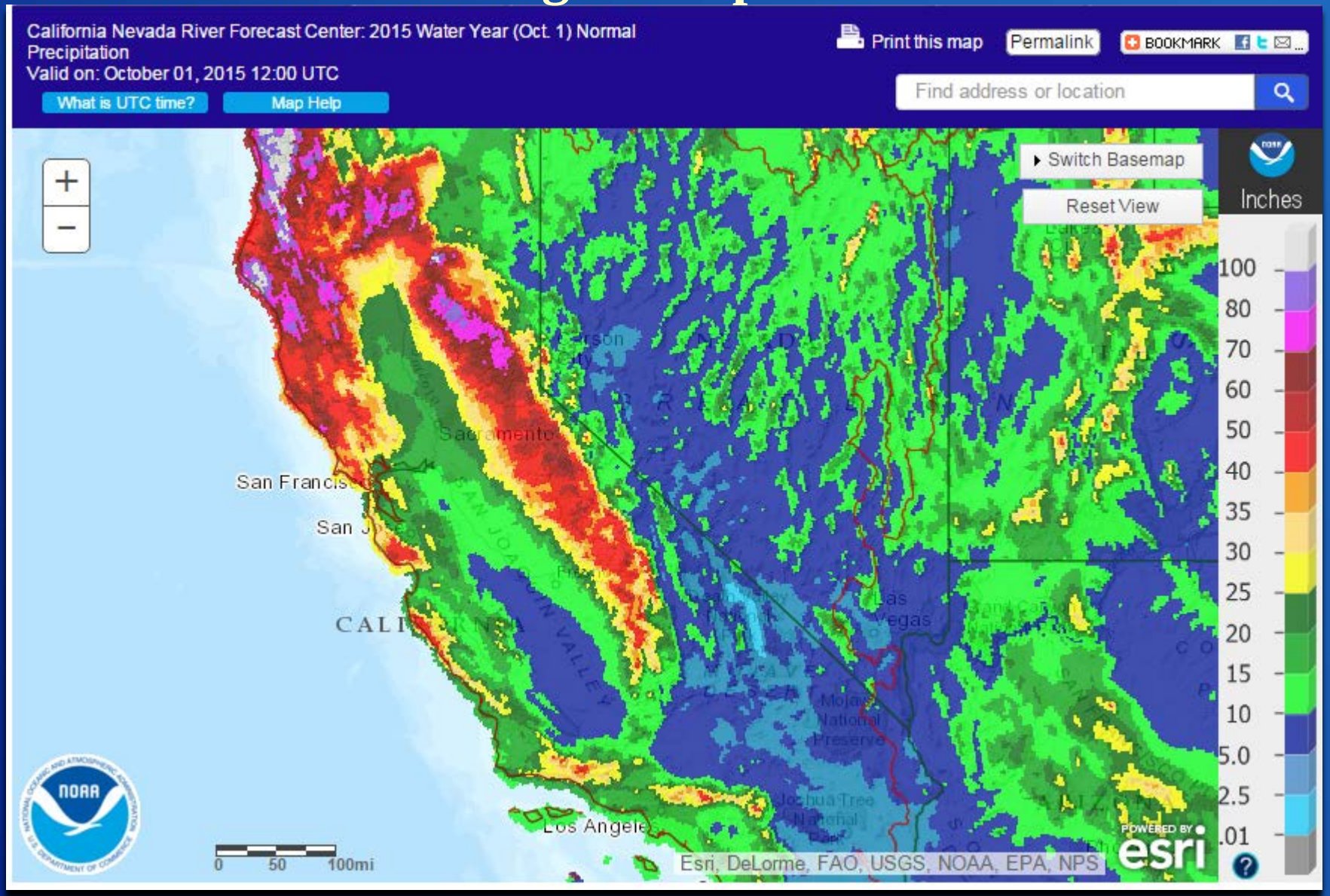
Oroville – August 2015

CVP and SWP Reservoir Carryover Storage



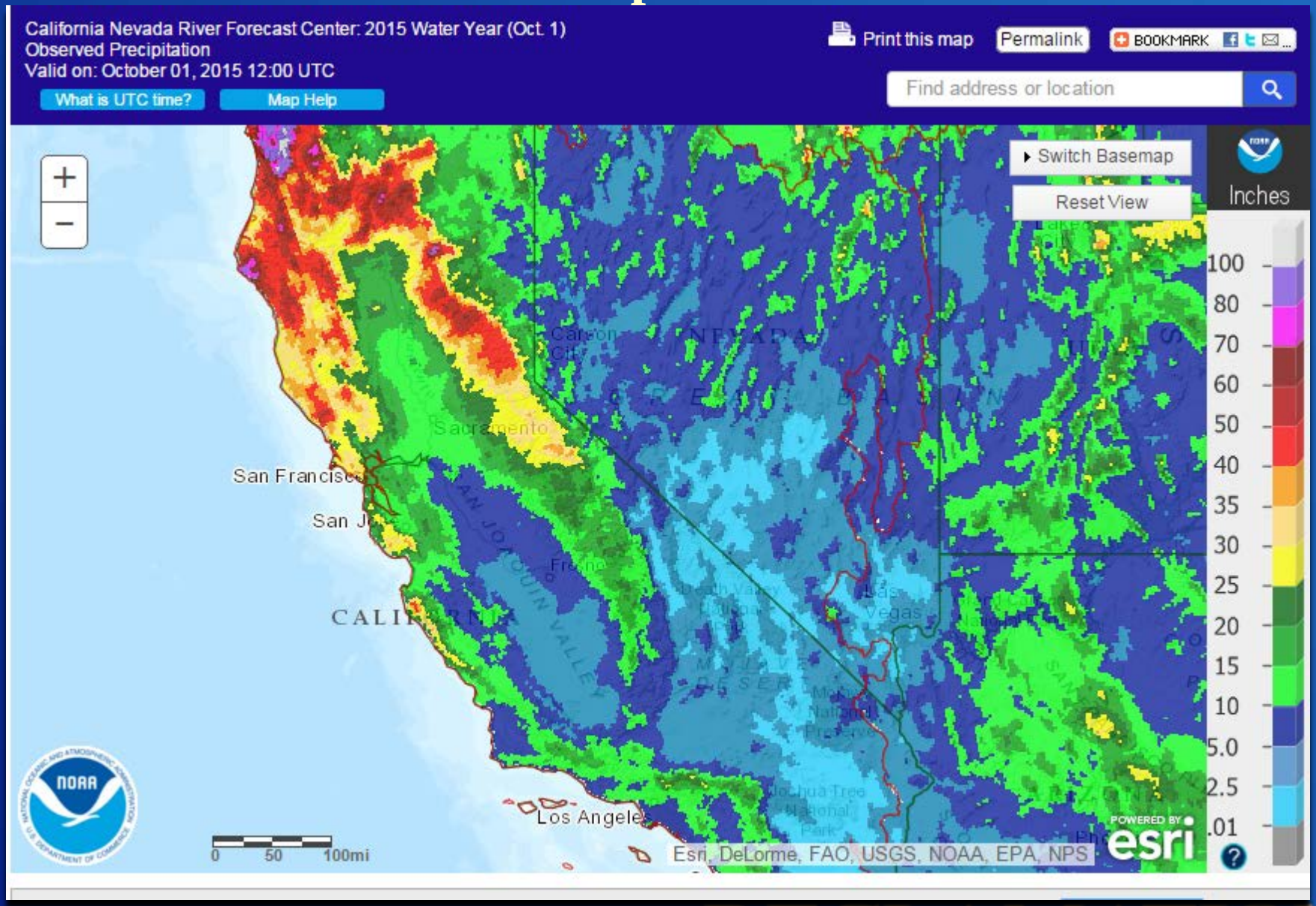
RECLAMATION

Average Precipitation



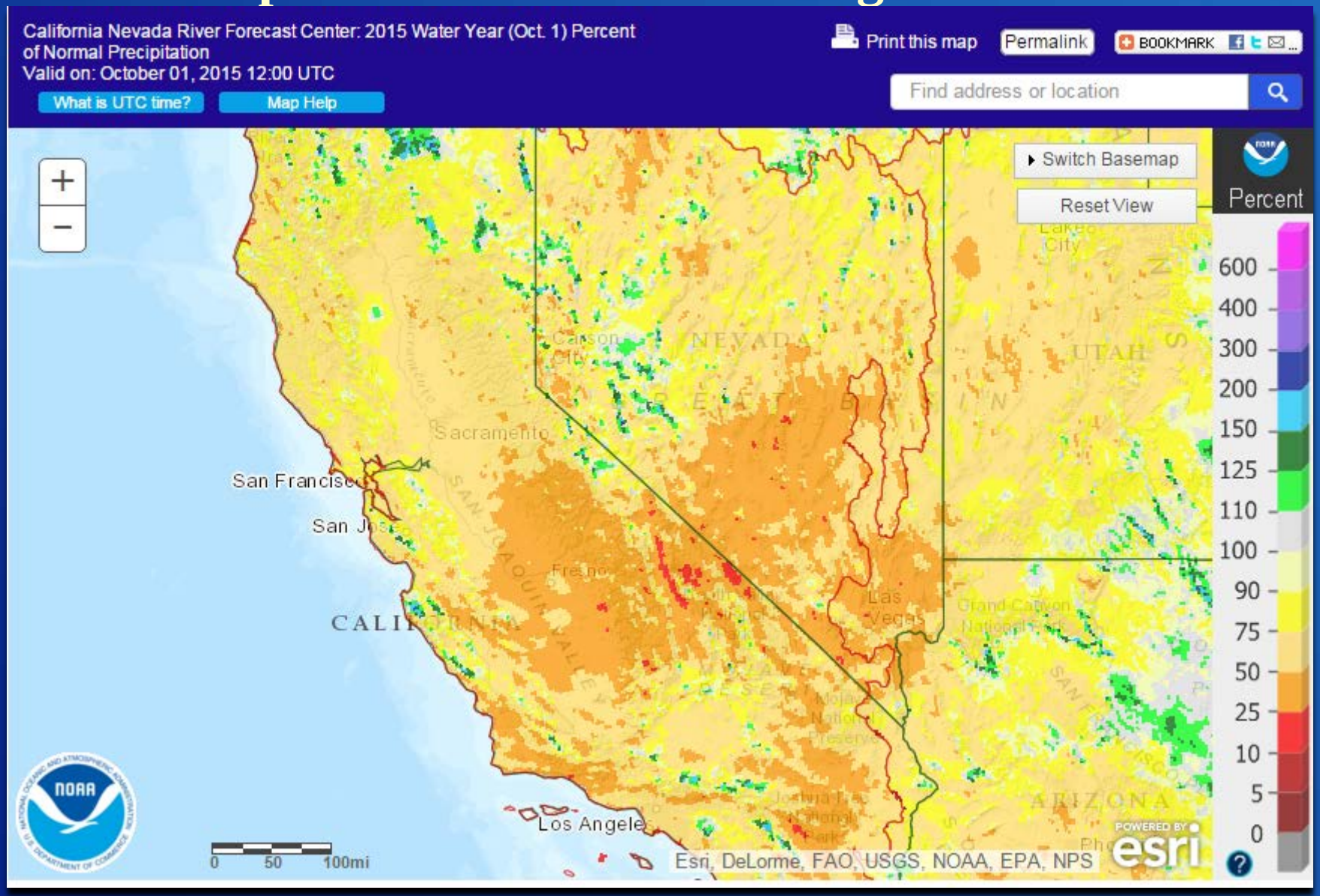
RECLAMATION

Observed Precipitation WY 2015



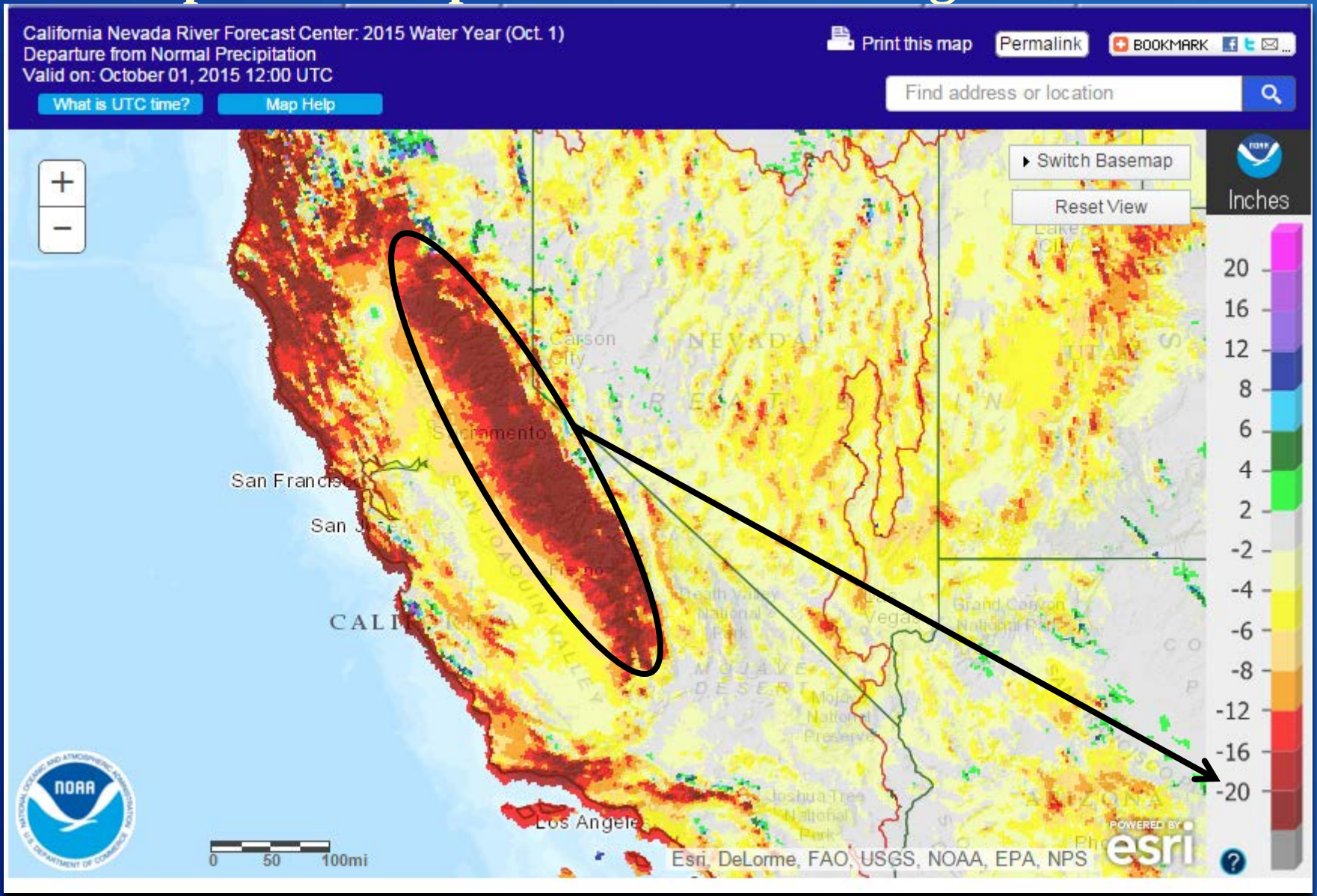
RECLAMATION

Precipitation Percent of Average - WY 2015



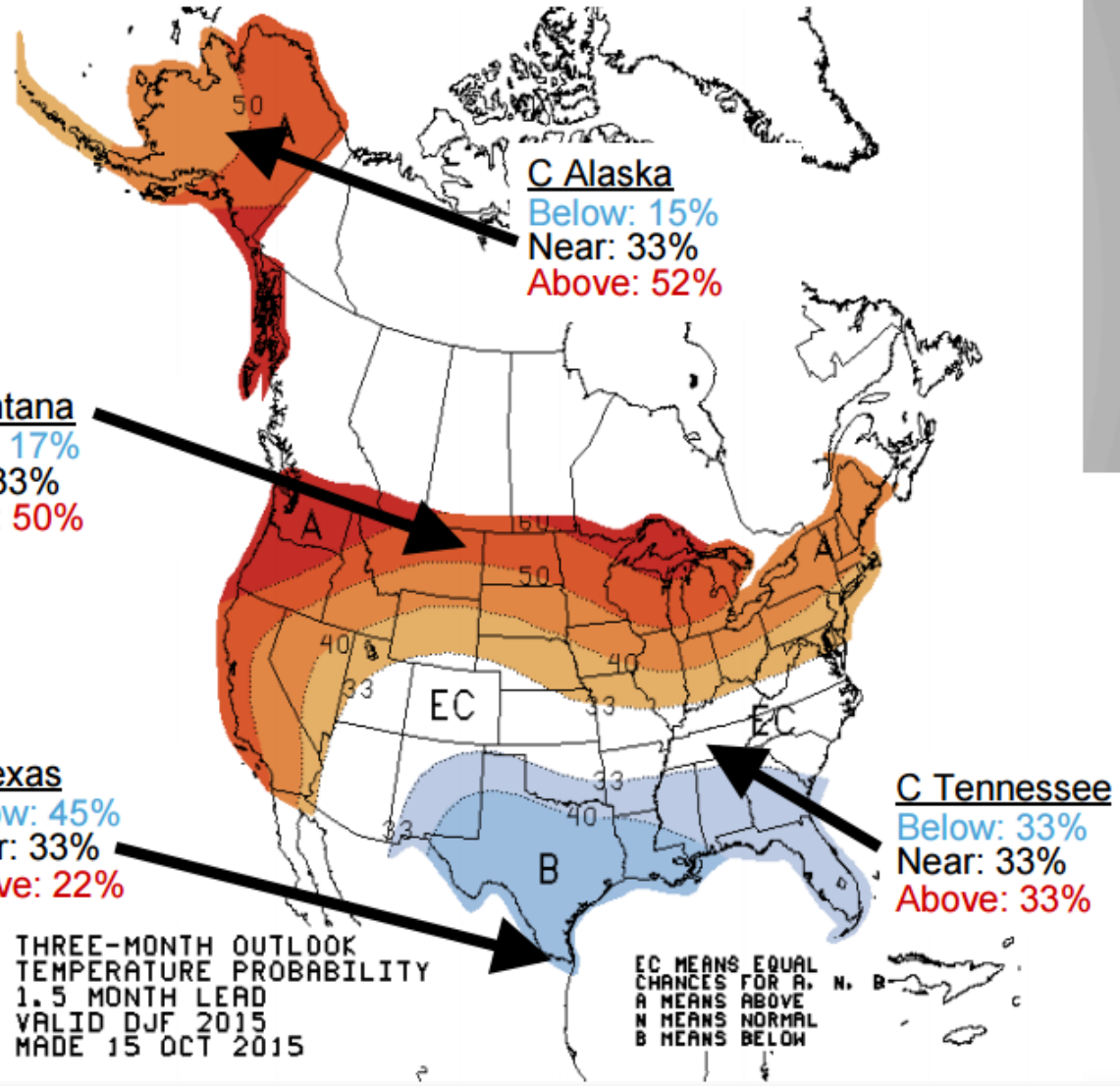
RECLAMATION

Precipitation Departure From Average - WY 2015

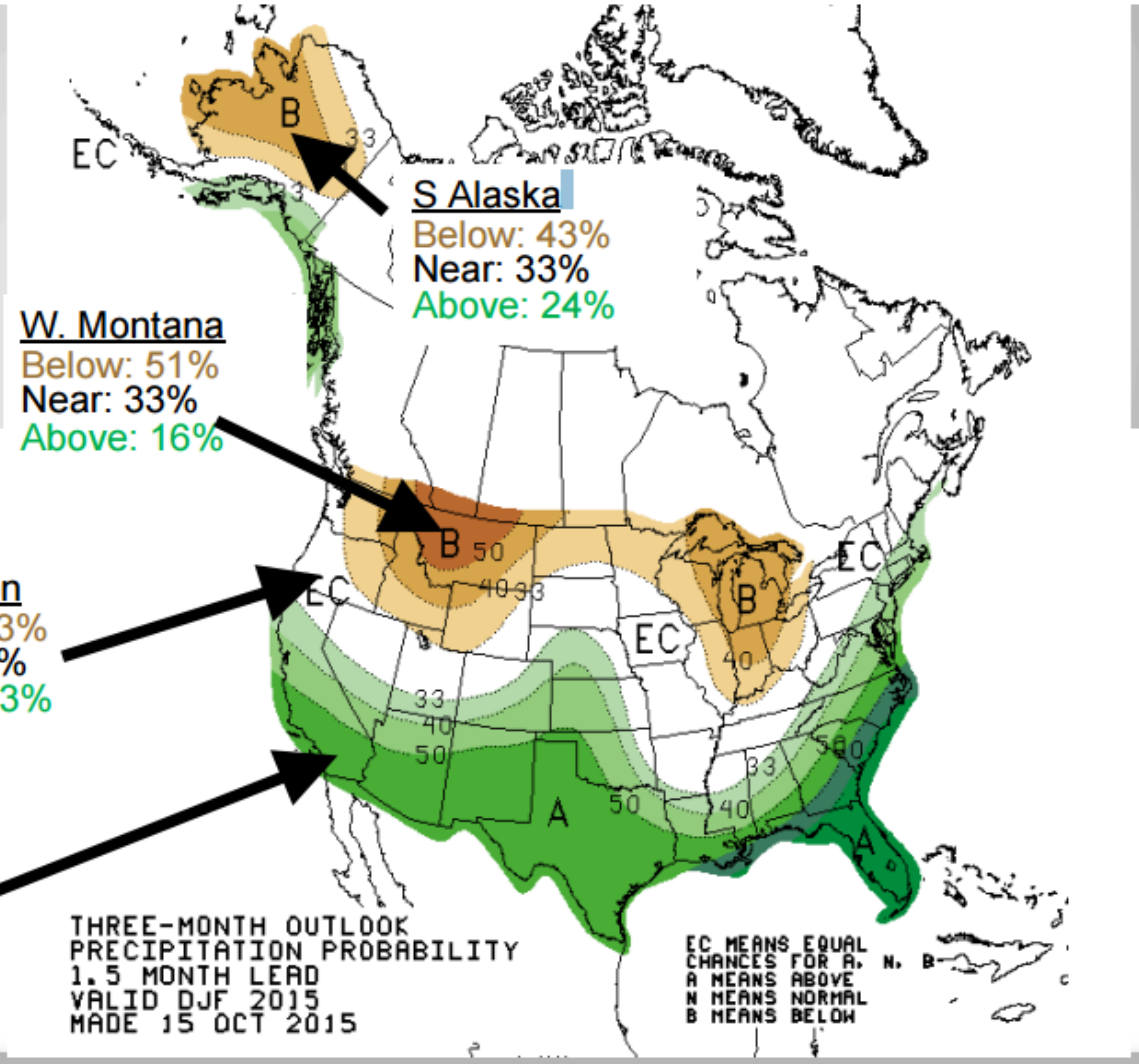


RECLAMATION

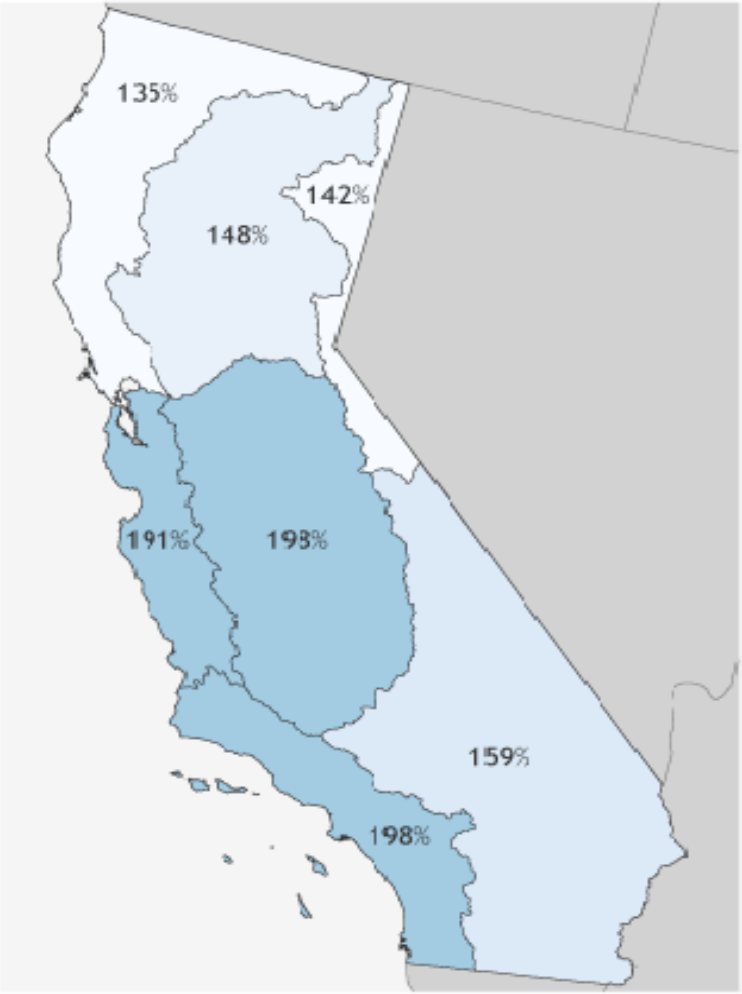
December 2015 – February 2016 Temperature Outlook



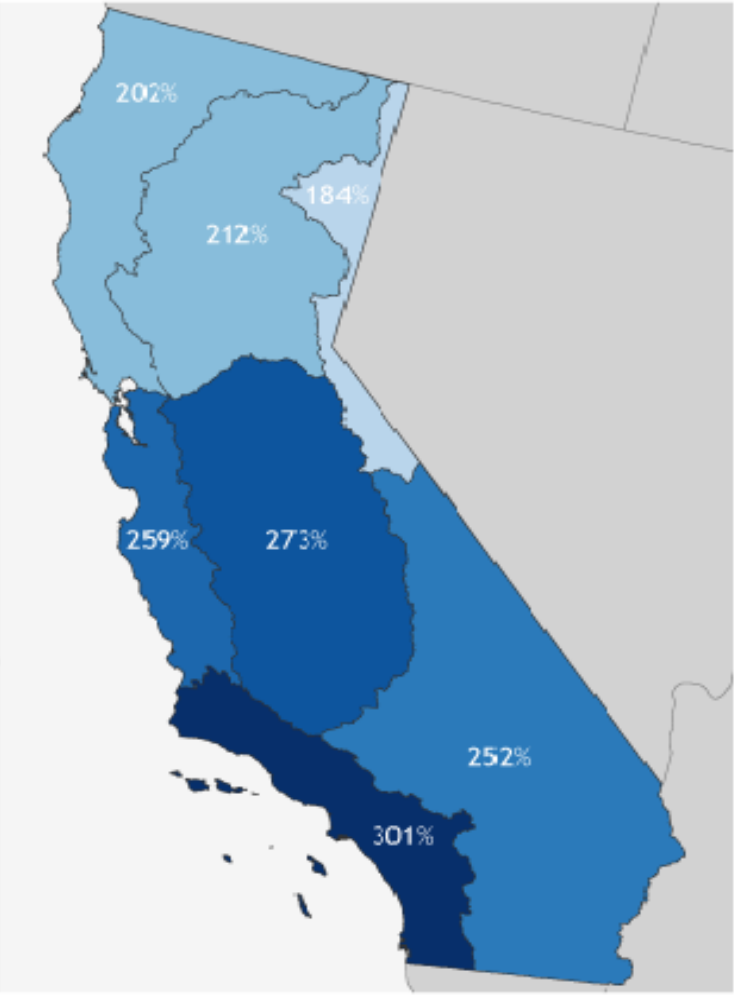
December 2015 – February 2016 Precipitation Outlook



Percent of normal precipitation needed by end of September 2016



to move out of bottom 20th percentile
of 5-year accumulated precipitation



to move out of bottom 50th percentile
of 5-year accumulated precipitation

NOAA Climate.gov

RECLAMATION

Questions?