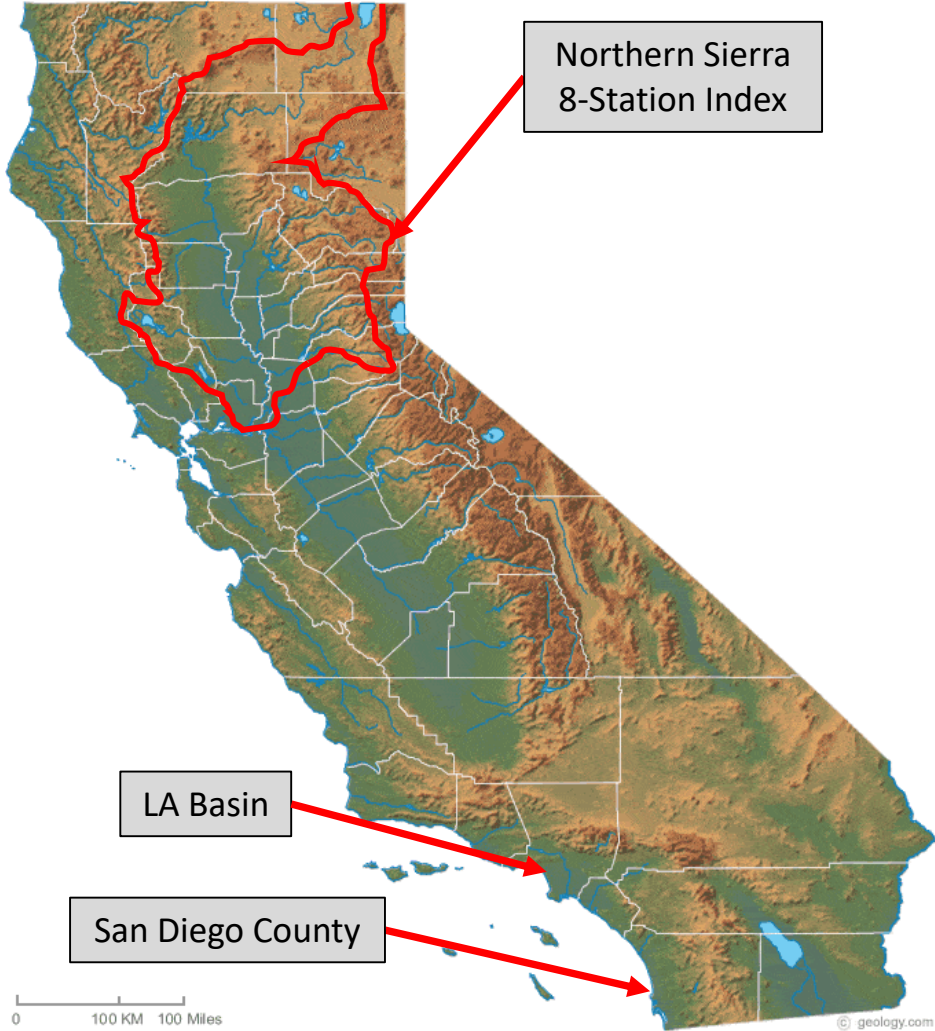


# Water Year 2017 Update

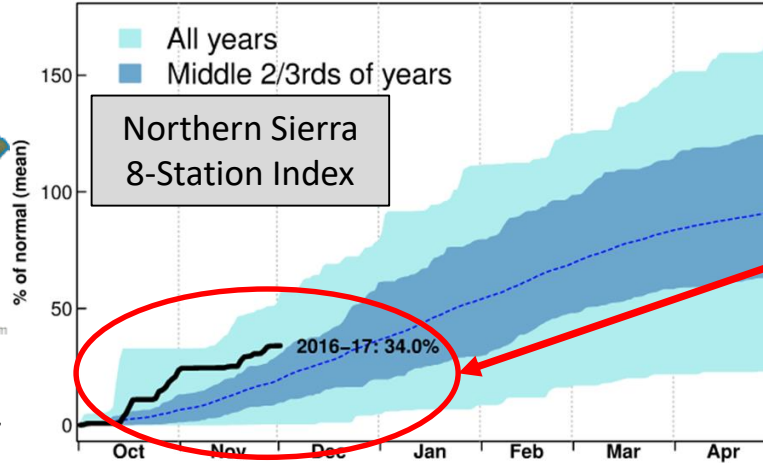
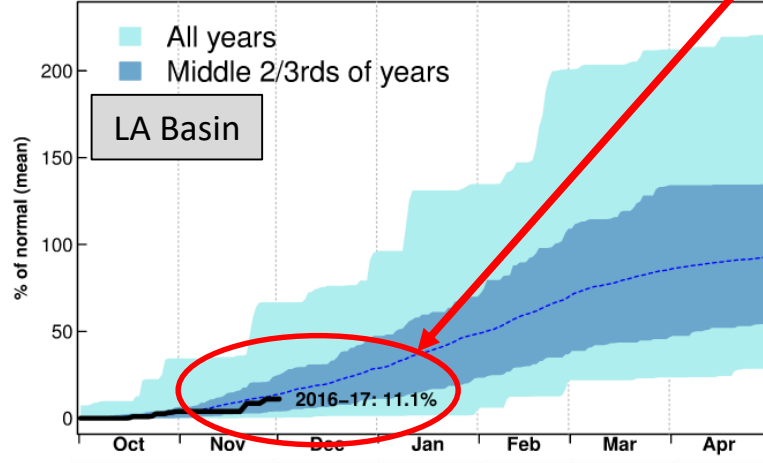
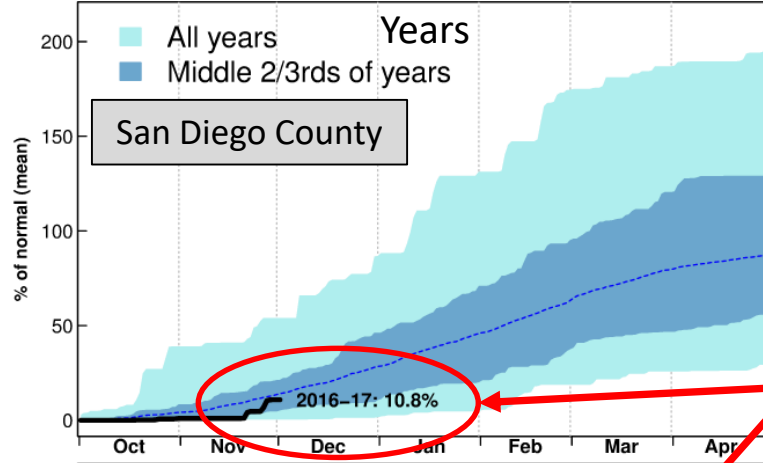


Northern Sierra  
8-Station Index

LA Basin

San Diego County

## WY to Date Precipitation Compared to All WYs



For California DWR's AR Program

Precipitation that mostly fell in mid to late Nov. brought the San Diego and Los Angeles areas each to 11% of the average total WY Precipitation

11% of the total WY precipitation is approximately average for this date in both Los Angeles and San Diego

While precipitation is important and impactful in drought stricken southern California, Los Angeles and San Diego receive an abundance of their water resources from Northern California and the Colorado River

The Northern Sierra 8-station index has received 34% (18inches) of the average total water year precipitation, which is well above normal and in the upper 15% of all years

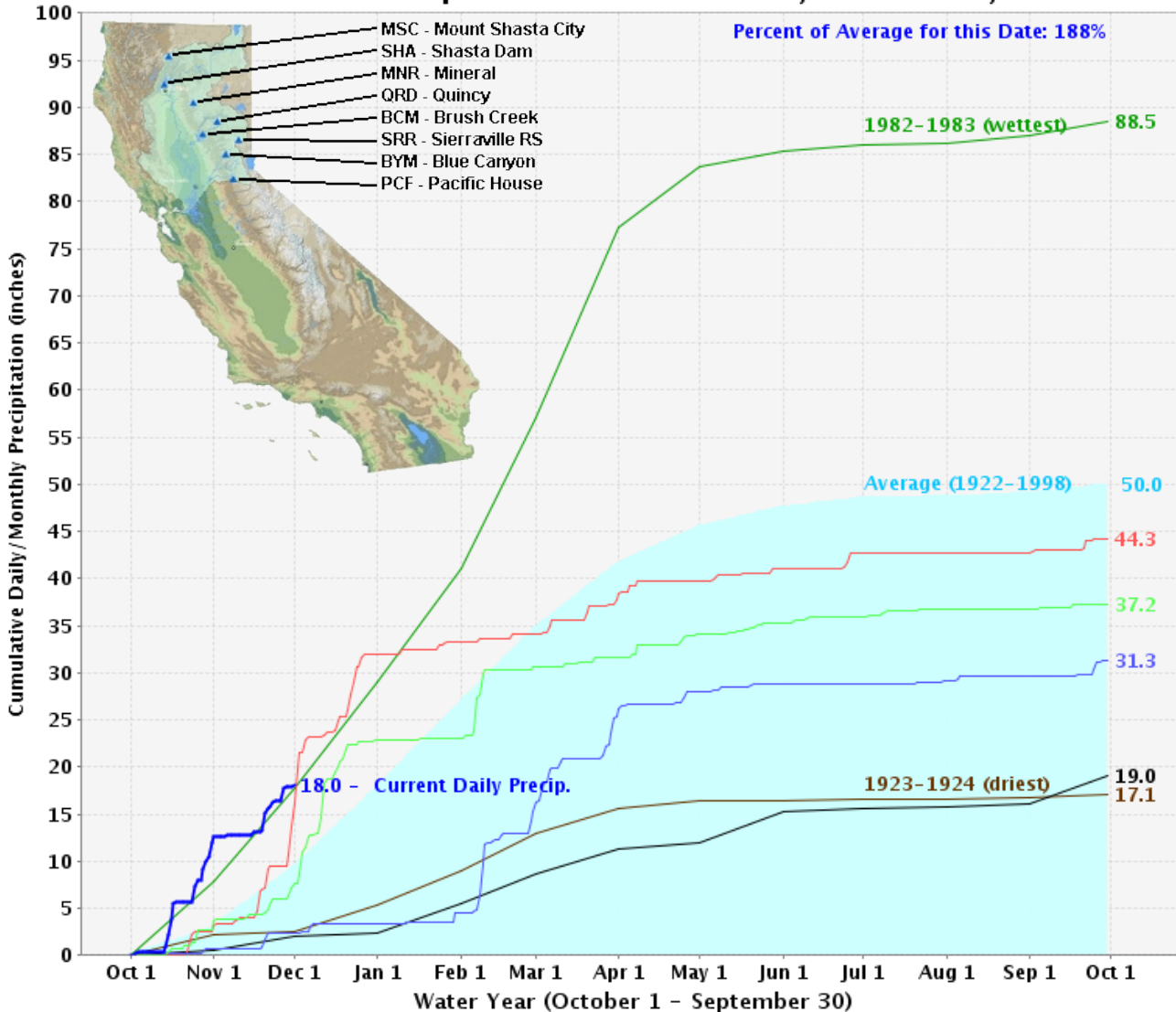
# Water Year 2017 Update

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Northern Sierra Precipitation: 8-Station Index, December 1, 2016



The 18 inches of precipitation to date at the Northern Sierra 8-station index is 188% of the normal for this date

The 8-Station index has already received more precipitation than the total WY precipitation of the driest WY on record (1924; 17.1 inches) and is one inch lower than the total precipitation of the 2<sup>nd</sup> driest year on record (1977; 19 inches)

Compared to recent years, WY 2017 has already received ~40%, ~58%, and ~48% of WYs 2013, 2014, and 2015 total annual precipitation, respectively

**Disclaimer:** While WY 2017 is currently on pace with the wettest water year on record (1983; 88.5), it does not guarantee the year will end as wet. A few dry periods over the next 10 months could easily slow the pace down. Notice how WY 2012-2013 was just as wet as this year after two months, but ended drier than the average

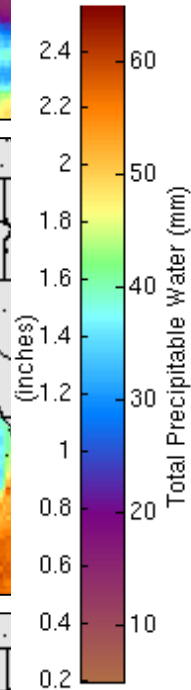
Summary by C. Hecht, F.M. Ralph 3 PM PT Thurs. 01 Dec. 2016

1200 UTC 16 Oct 2016  
5.0 inches over 3 days

Atmospheric  
River structure

2100 UTC 24 Oct 2016  
2.2 inches over 2 days

1200 UTC 19 Nov 2016  
2.4 inches over 2 days



## Water Year 2017 Update



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### Summary

- Due to precipitation in mid to late November, accumulations for the WY to date for LA and San Diego are currently normal
- Locations in Northern CA, are currently above normal due to an active October
- **For the Northern Sierra 8-Station Index, 9.6 inches of the 18.0 inches of precipitation that fell during Oct and Nov 2016 fell during the landfall of the three atmospheric rivers shown here using satellite observations**
- For a more in-depth discussion and analysis from October 2016, please go to <http://cw3e.ucsd.edu/?p=6155>

*Summary by C. Hecht, F.M. Ralph 3 PM PT Thurs. 01 Dec. 2016*