

# RECLAMATION

*Managing Water in the West*

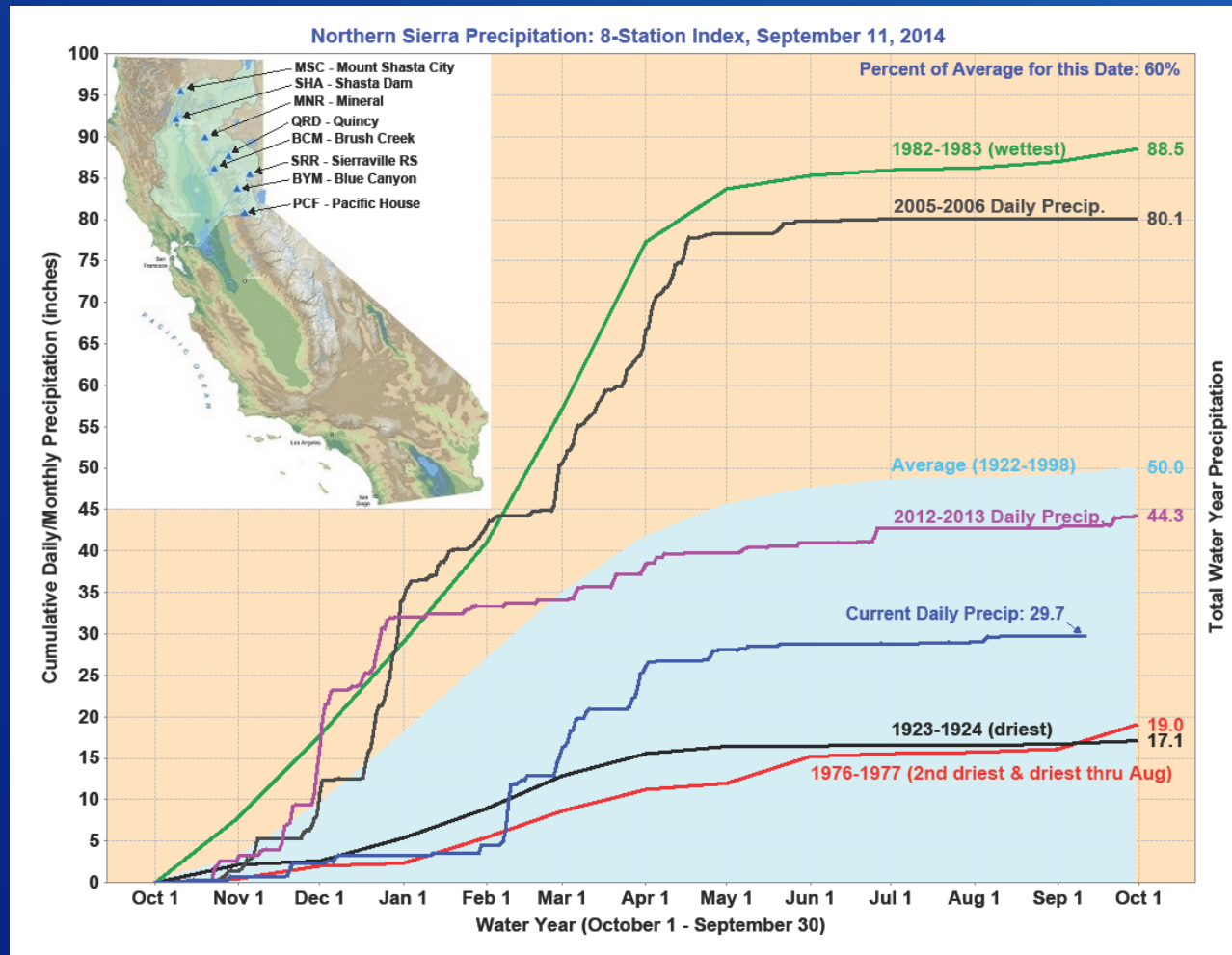
## Central Valley Project WY 2014 Ending Status

September 2014

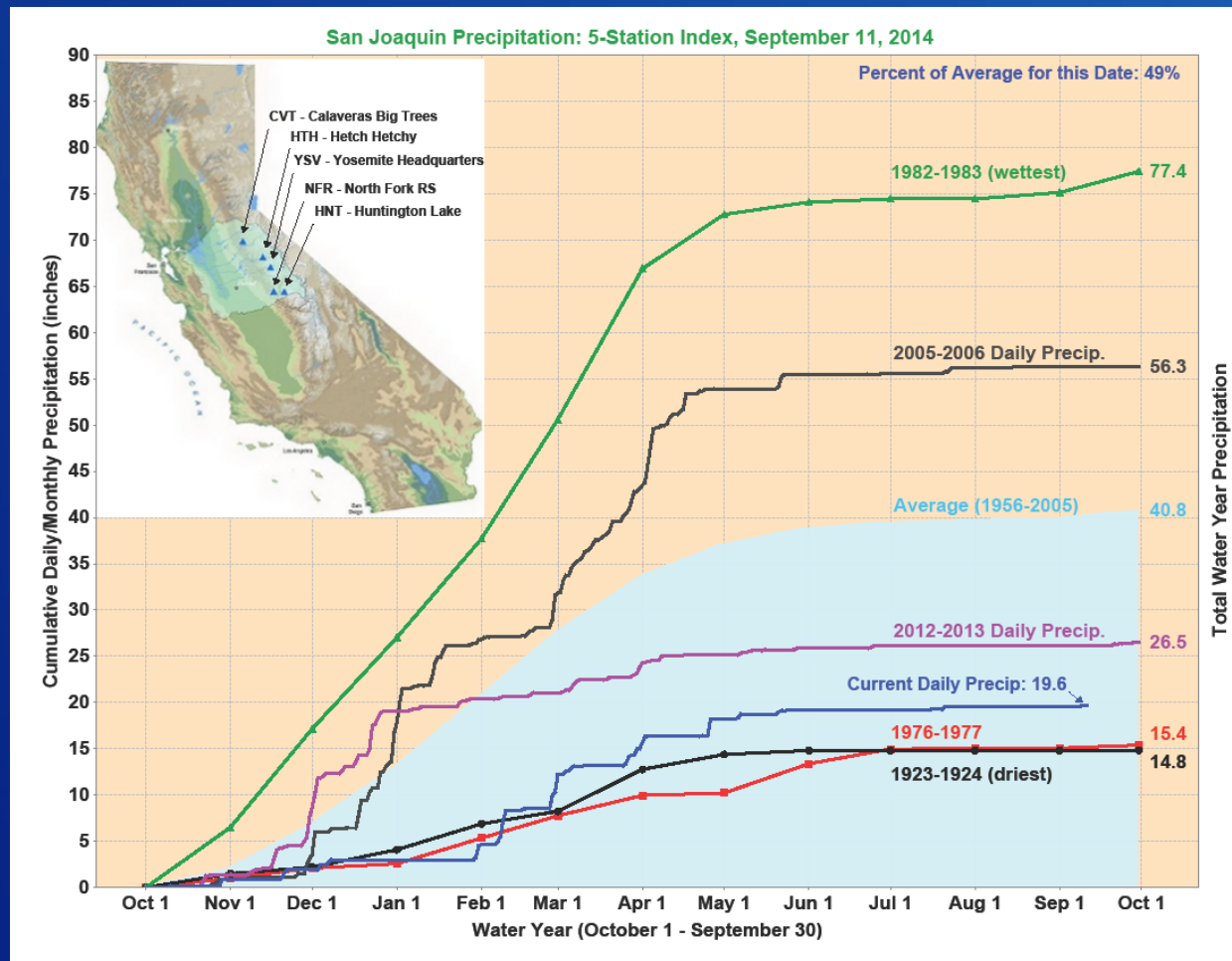


U.S. Department of the Interior  
Bureau of Reclamation

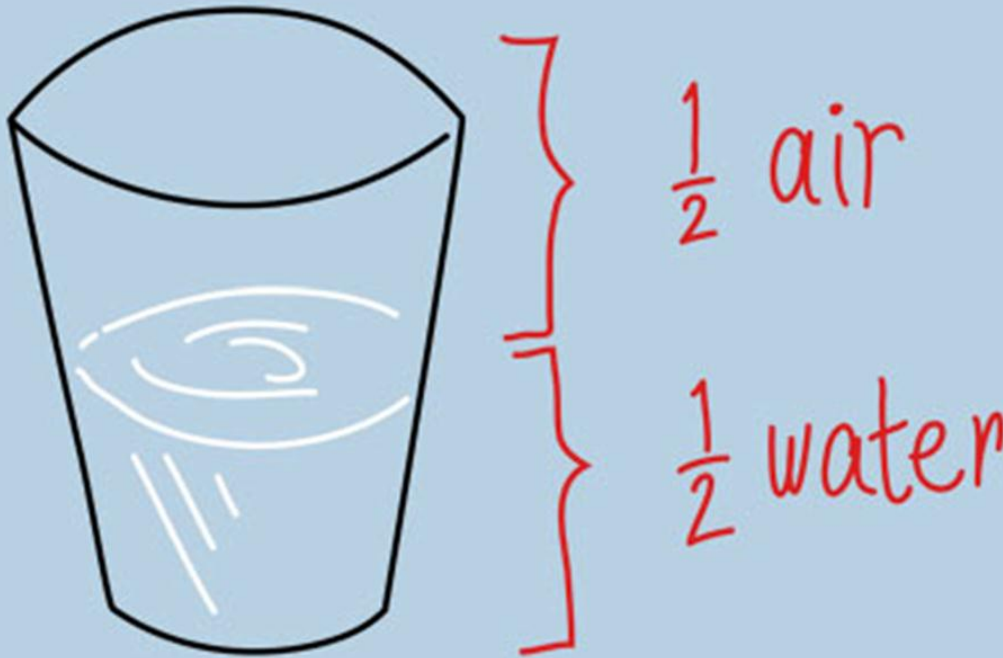
# Northern Sierra Precipitation



# San Joaquin Precipitation



# CVP Storage

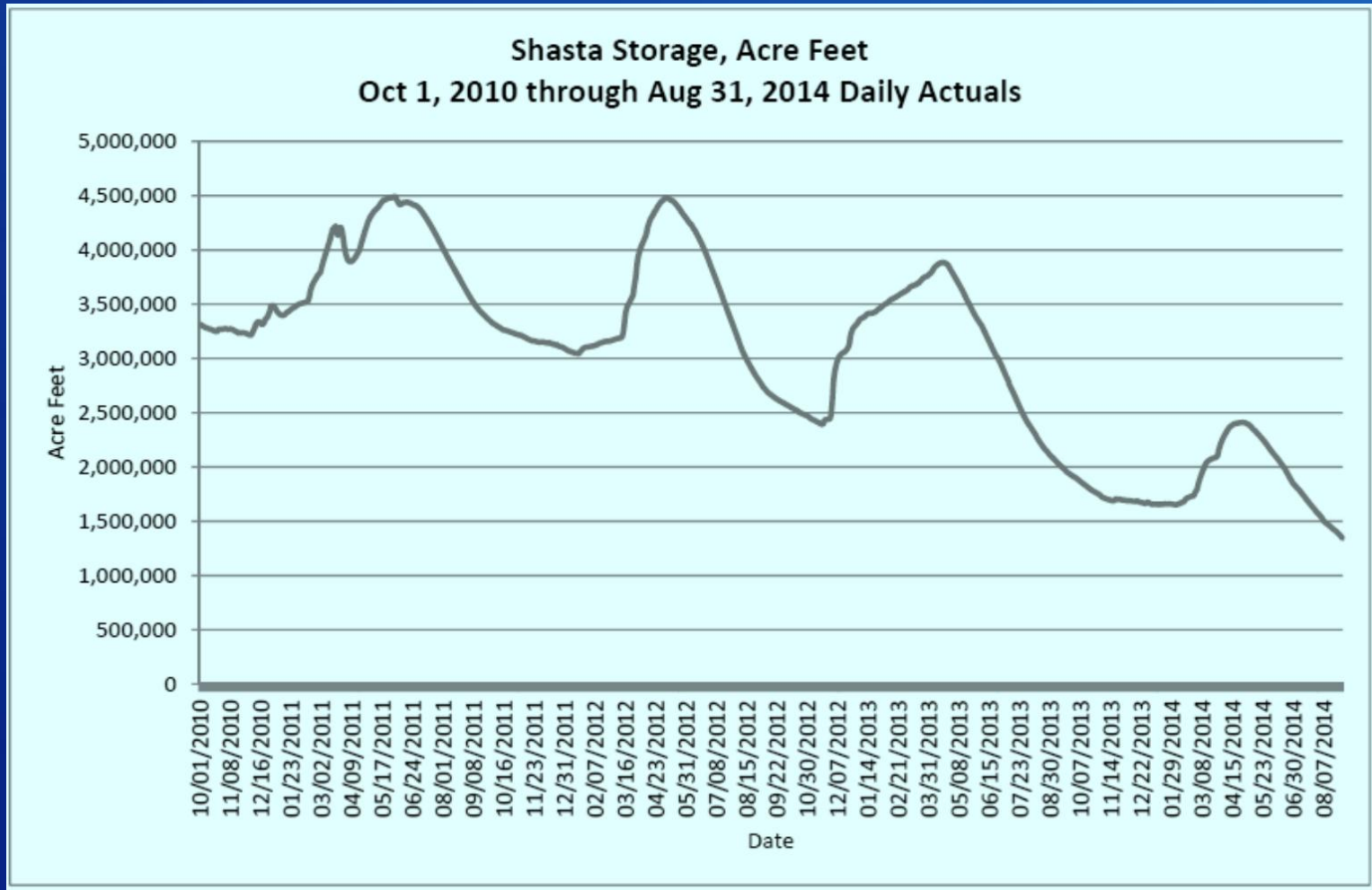


***technically, the glass  
is always full.***

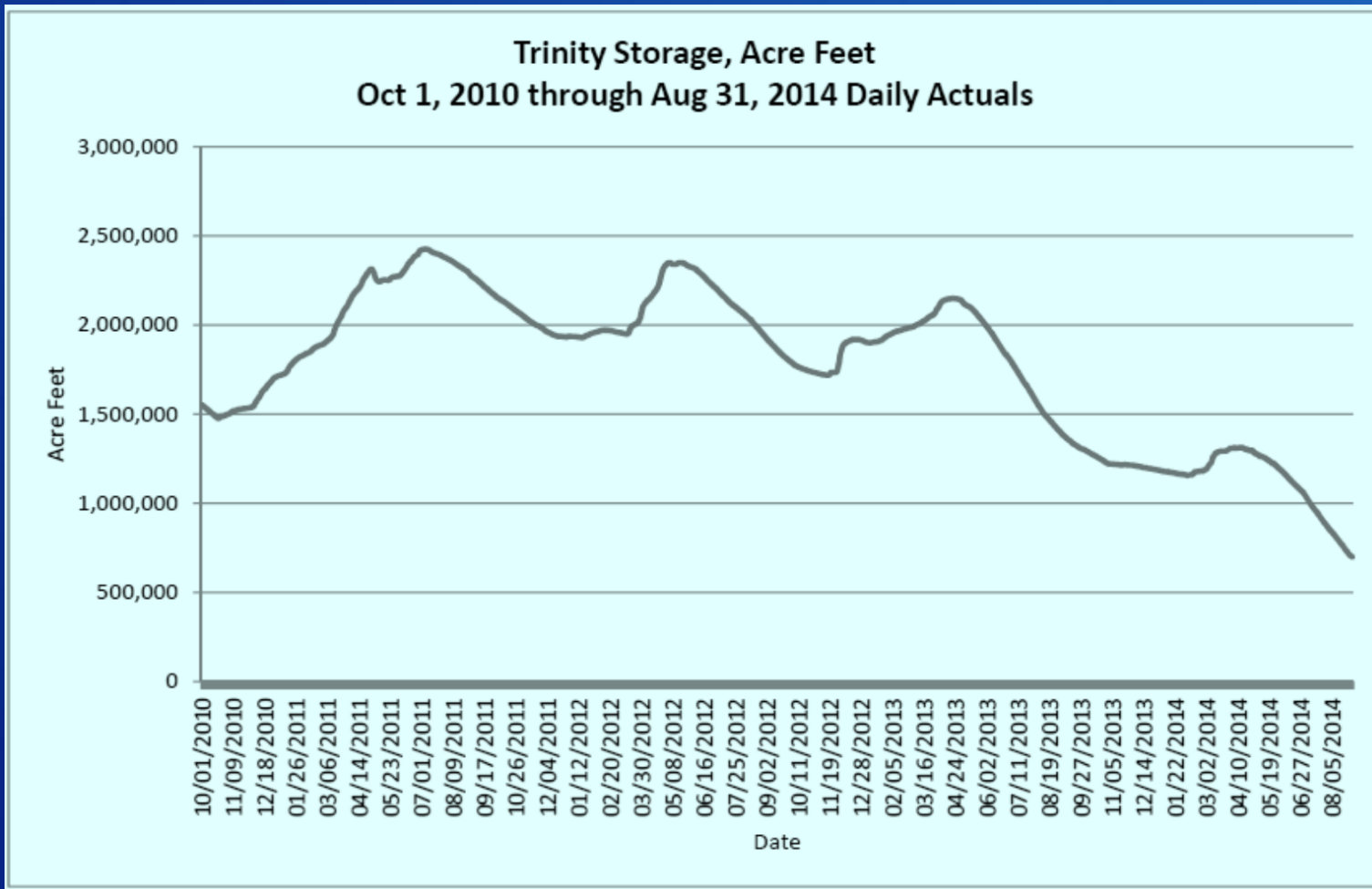
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# Shasta Storage, Acre-Feet

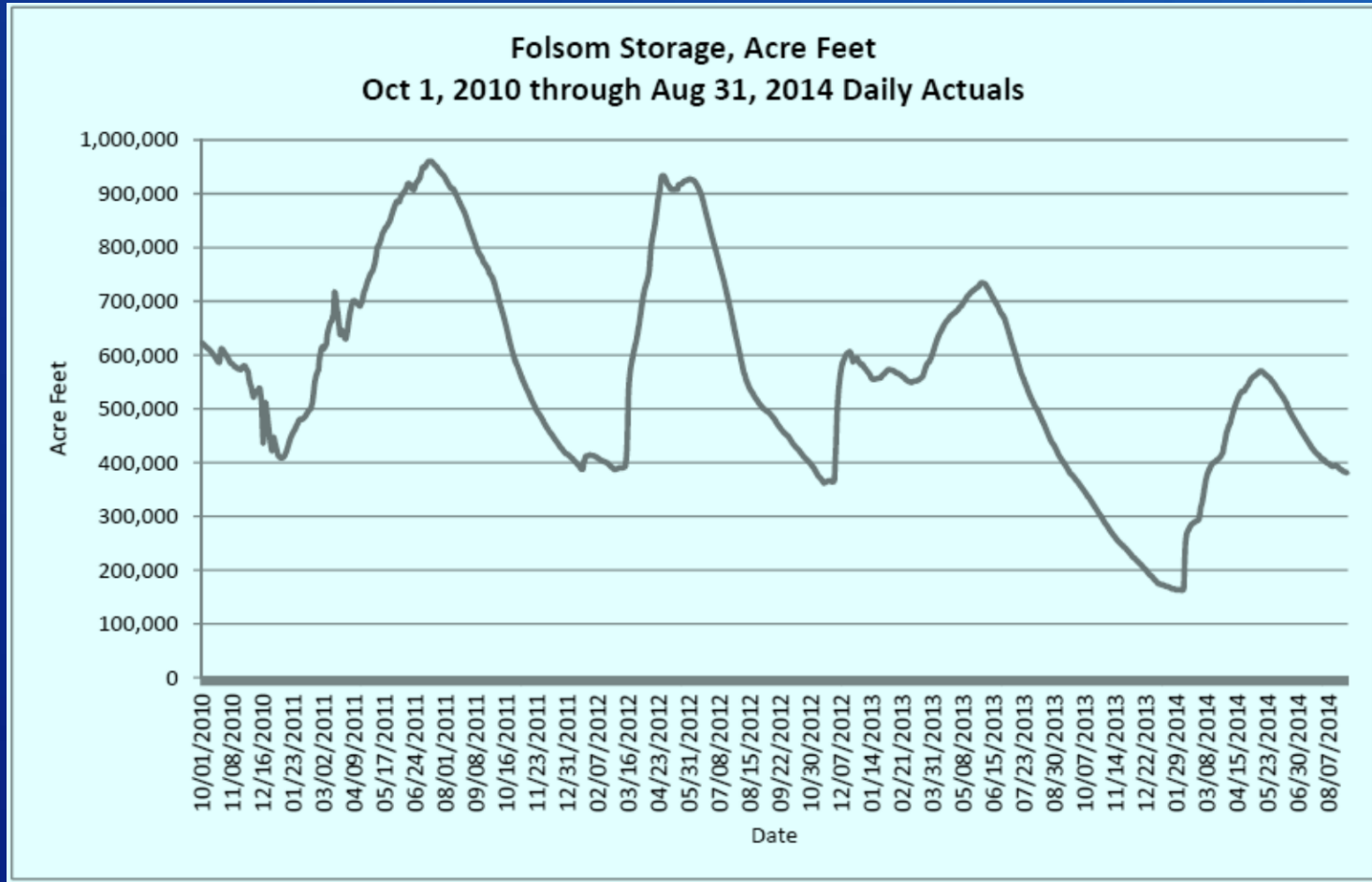


# Trinity Storage, Acre-Feet



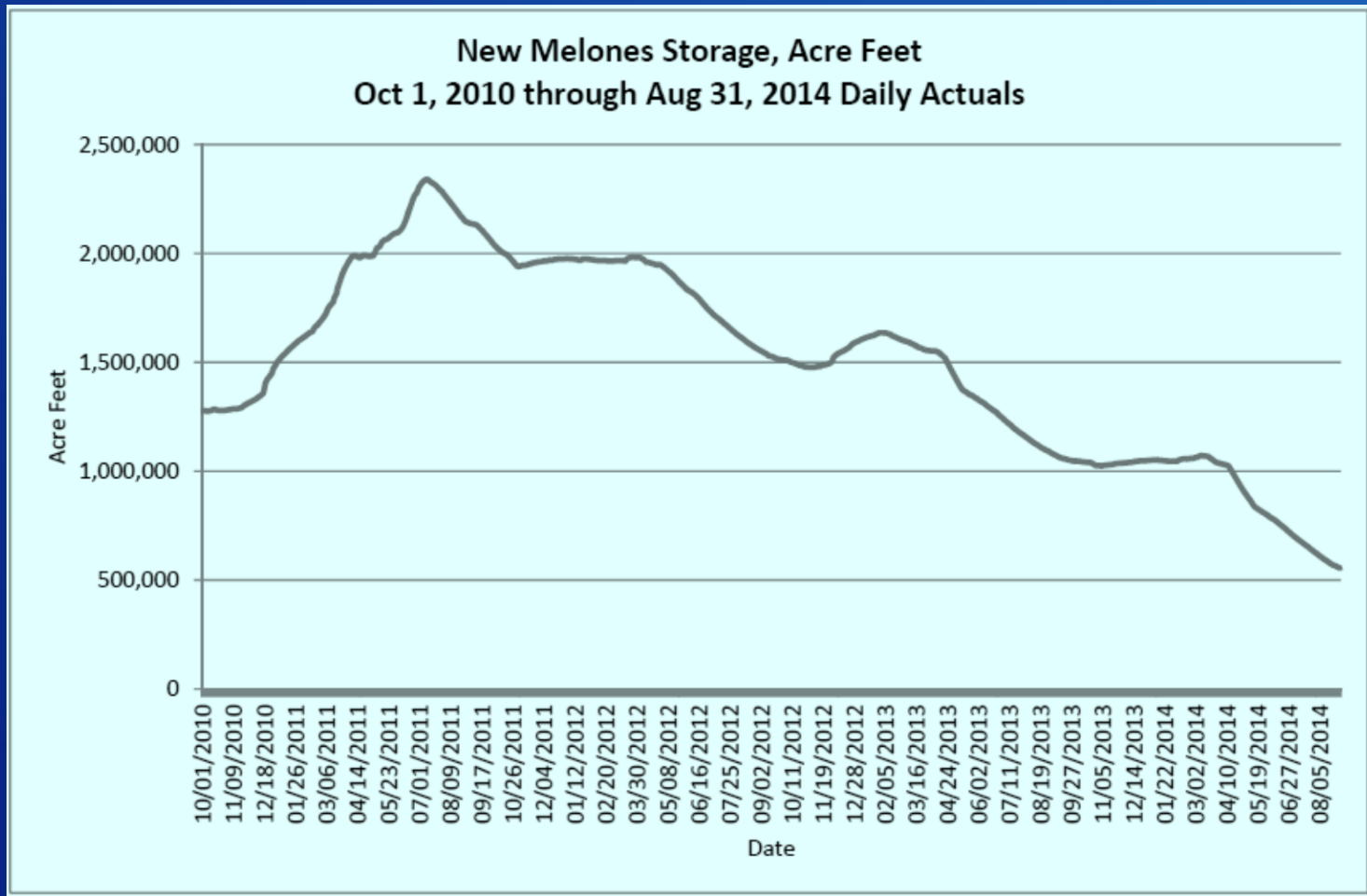
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# Folsom Storage, Acre-Feet



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# New Melones Storage, Acre-Feet





# September-October 2015 Operational Challenges

- Sacramento River Temperature Control
- Complete CVP North-South Transfers
- October Vernalis Flow Objective

# Sacramento River

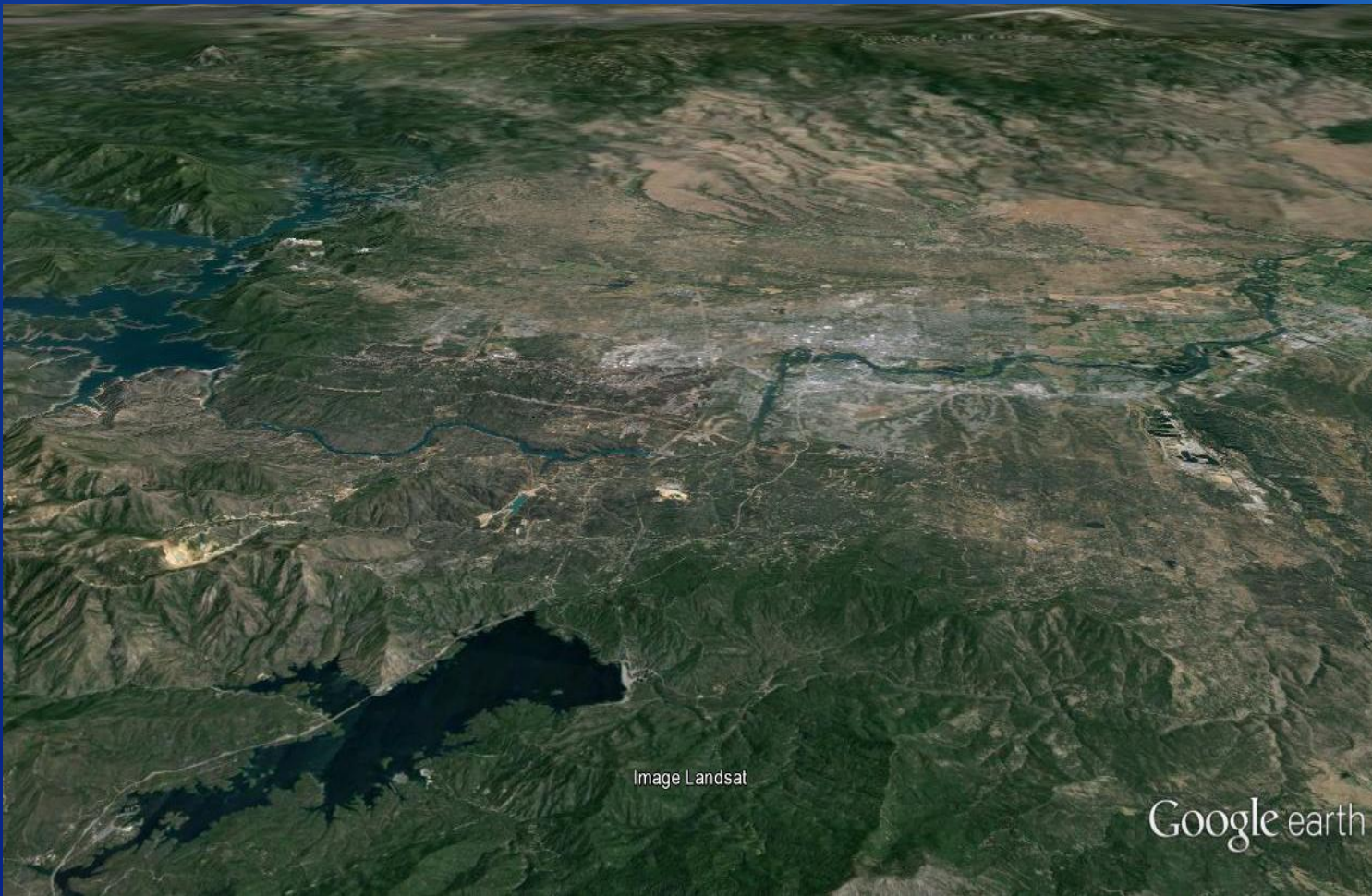


Image Landsat

Google earth

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# Additional Fall 2015 Operational Challenges

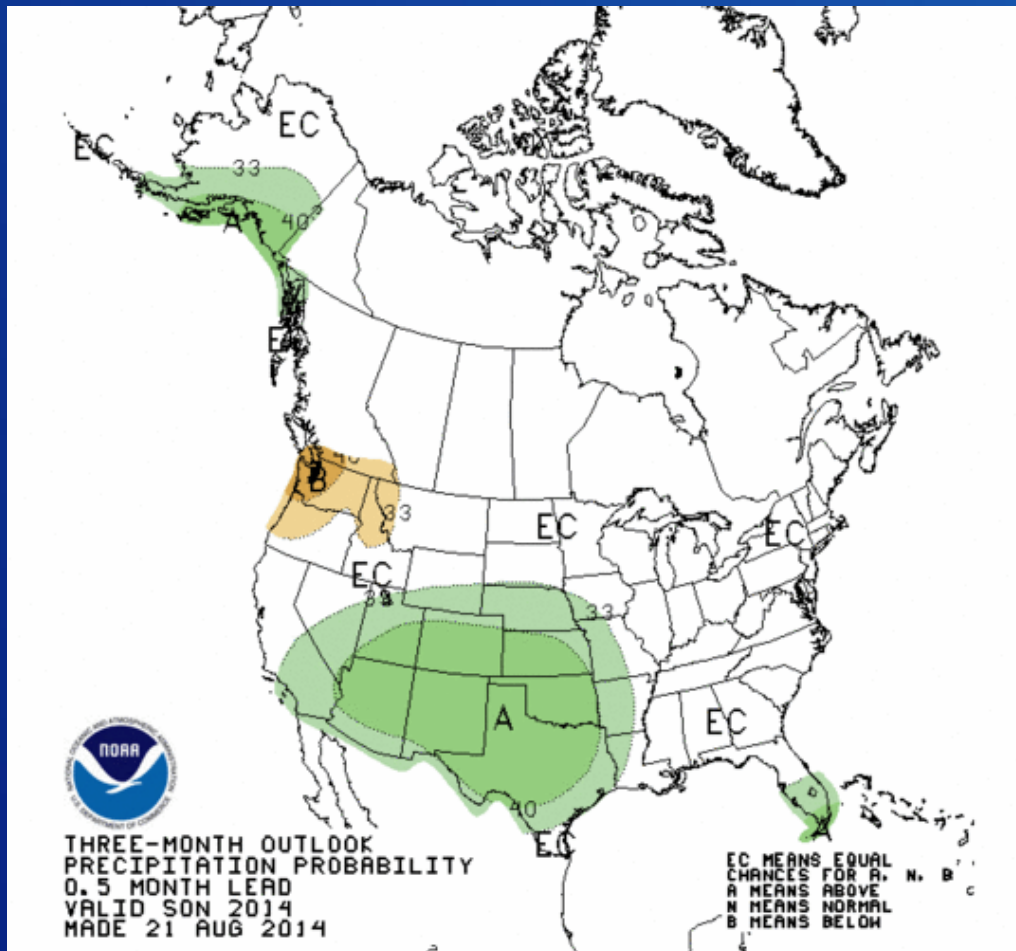
- **Balancing COA with SWP**
- **65% → 75% ECs and Refuges (Nov/Dec)**
- **Salinity Management and DCC gate ops**

# WY 2014-15 Reservoir Storage

	<b>Current 11 September (acre-feet)</b>	<b>End of December “Very Dry” Forecast (acre-feet)</b>	<b>Average End of December (acre-feet)</b>
Trinity	670 k (42%*)	570 k (35%)	1.6 m
Shasta	1.26 m (49%)	1.1 m (40%)	2.9 m
Folsom	370 k (70%)	260 k (60%)	450 k
New Melones	540 (38%)	420 (25%)	1.6 m

\* (percent of average for that date)

# 3-Month Outlook

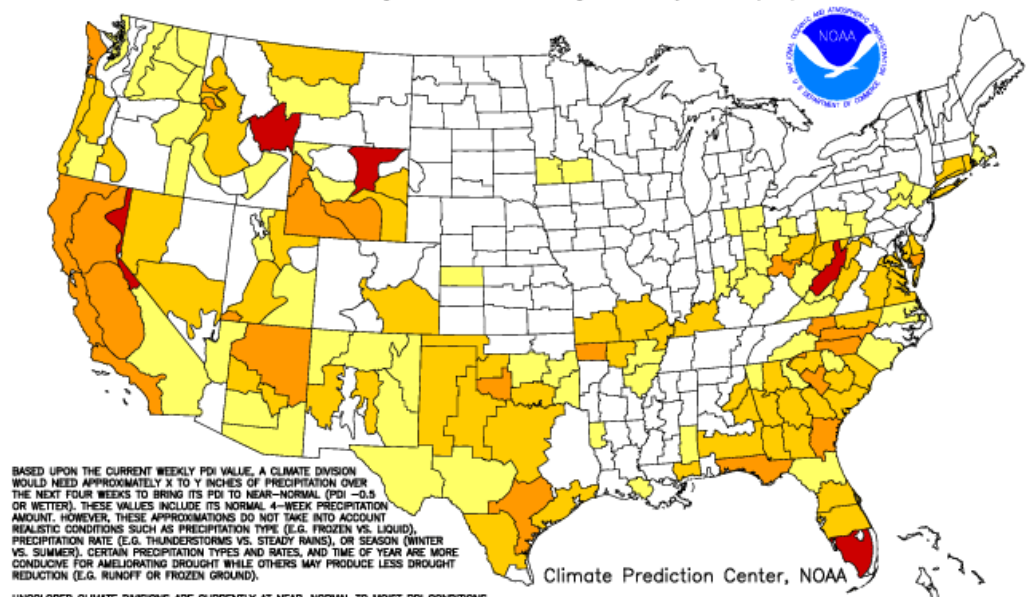


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# Dry Ground

Additional Precip. Needed (In.) to Bring PDI to  $-0.5$   
 Weekly Value for Period Ending SEP 6, 2014  
 Long Term Palmer Drought Severity Index (PDI)

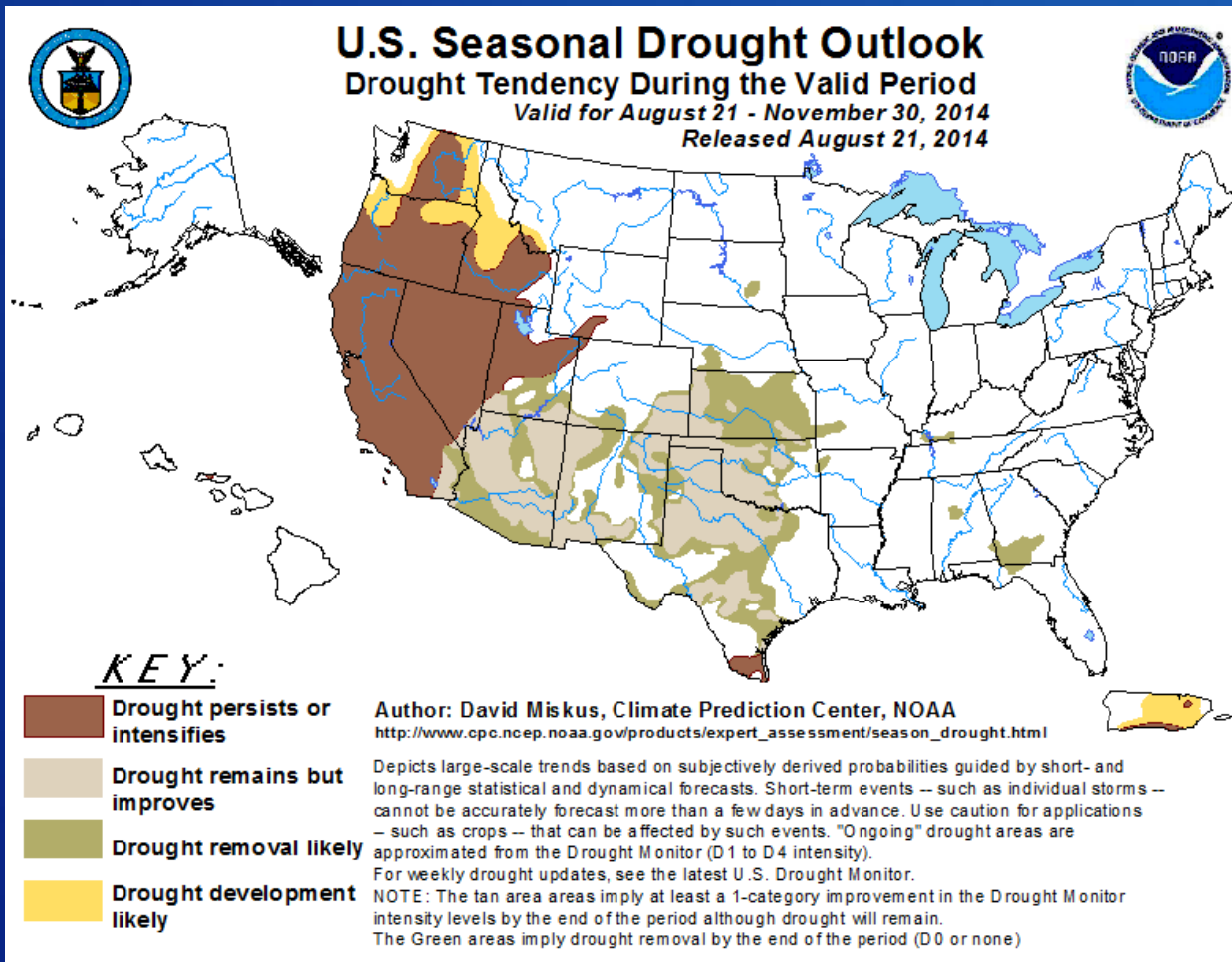


BASED UPON THE CURRENT WEEKLY PDI VALUE, A CLIMATE DIVISION WOULD NEED APPROXIMATELY X TO Y INCHES OF PRECIPITATION OVER THE NEXT FOUR WEEKS TO BRING ITS PDI TO NEAR-NORMAL (PDI  $-0.5$  OR WETTER). THESE VALUES INCLUDE ITS NORMAL 4-WEEK PRECIPITATION AMOUNT. HOWEVER, THESE APPROXIMATIONS DO NOT TAKE INTO ACCOUNT REALISTIC CONDITIONS SUCH AS PRECIPITATION TYPE (E.G. FROZEN VS. LIQUID), PRECIPITATION RATE (E.G. THUNDERSTORMS VS. STEADY RAINS), OR SEASON (WINTER VS. SUMMER). CERTAIN PRECIPITATION TYPES AND RATES, AND TIME OF YEAR ARE MORE CONDUCTIVE FOR AMELIORATING DROUGHT WHILE OTHERS MAY PRODUCE LESS DROUGHT REDUCTION (E.G. RUNOFF OR FROZEN GROUND).

UNCOLORED CLIMATE DIVISIONS ARE CURRENTLY AT NEAR-NORMAL TO MOIST PDI CONDITIONS.  
 (EXAMPLE - IF 4-WEEK NORMAL PRECIPITATION IS 3 INCHES AND PDI DEFICIT TO BRING TO  $-0.5$  IS 4 INCHES, THE VALUE IS 7)

- |  |  |
|--|--|
| <input type="checkbox"/> Zero Inches       | <input type="checkbox"/> 9 to 12 Inches  |
| <input type="checkbox"/> Trace to 3 Inches | <input type="checkbox"/> 12 to 15 Inches |
| <input type="checkbox"/> 3 to 6 Inches     | <input type="checkbox"/> Over 15 Inches  |
| <input type="checkbox"/> 6 to 9 Inches     |  |

# Drought Outlook



# Questions



hugz?

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