

Drought Update

Napa County Flood Control and Water Conservation
District

WICC Meeting

May 28, 2015

Drought Topics

- How did we do on rainfall?
- How does the future look?

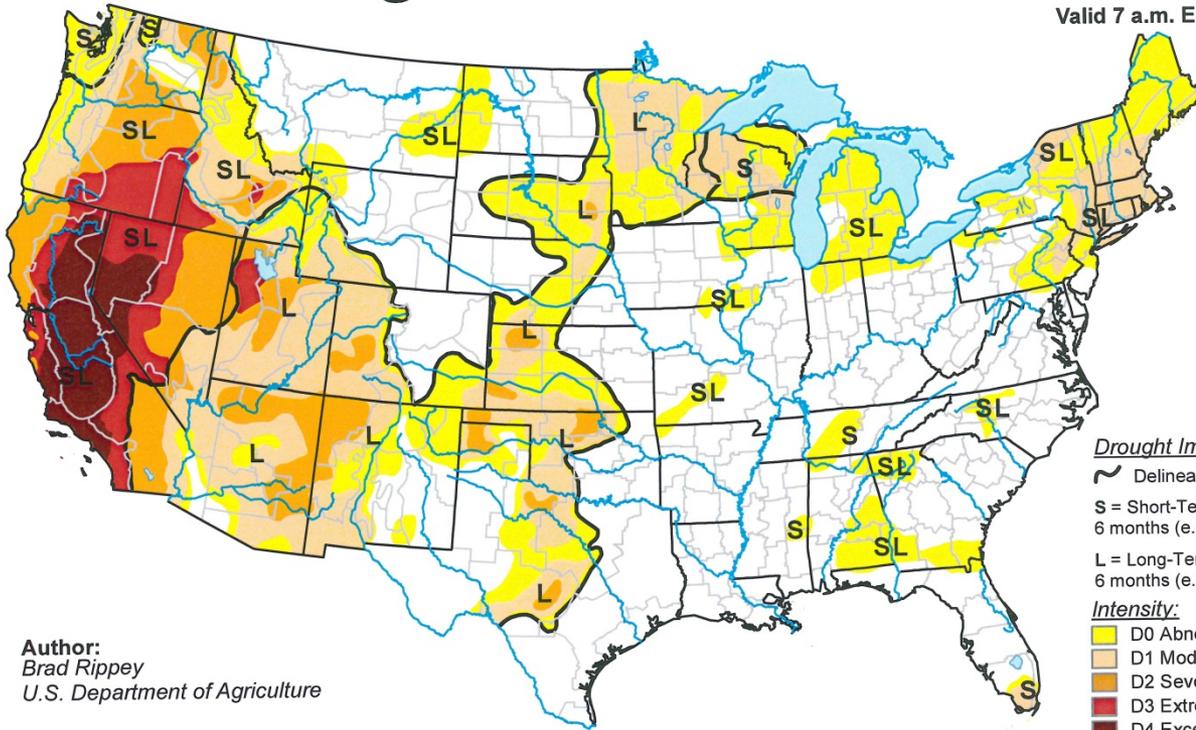
Current Drought Map

U.S. Drought Monitor

May 19, 2015

(Released Thursday, May. 21, 2015)

Valid 7 a.m. EST



Author:
Brad Rippey
U.S. Department of Agriculture

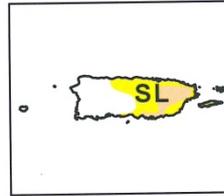
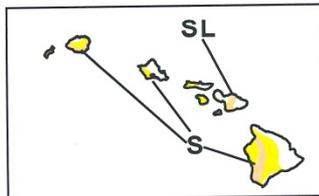
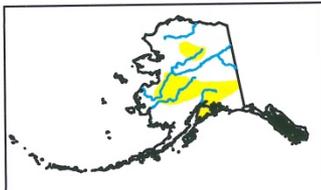
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

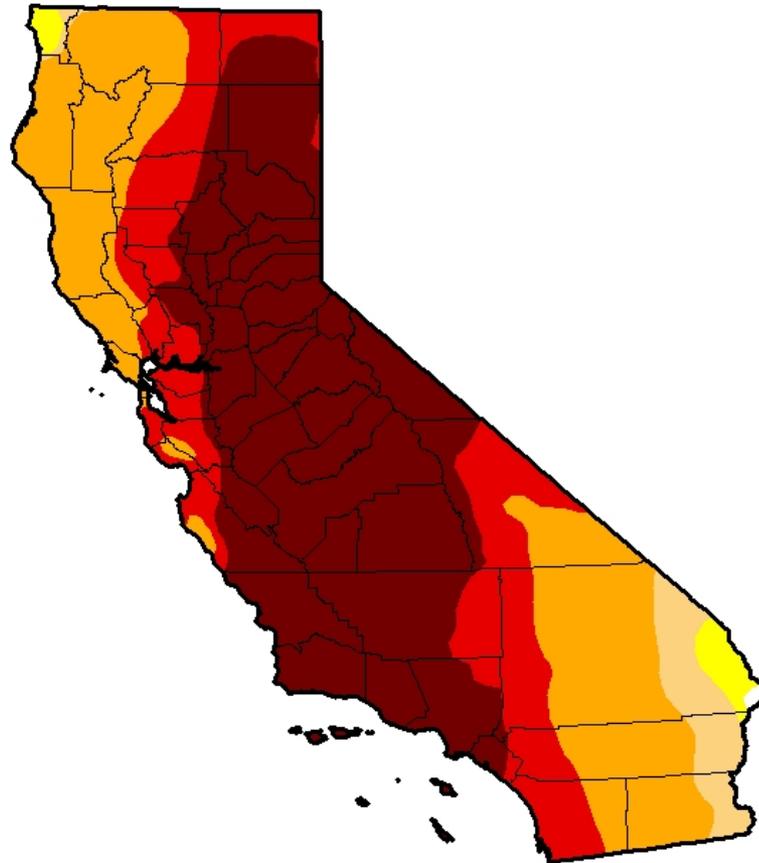


<http://droughtmonitor.unl.edu/>

California Drought Map

U.S. Drought Monitor California

May 19, 2015
(Released Thursday, May 21, 2015)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|------|--------|--------|--------|-------|-------|
| Current | 0.14 | 99.86 | 98.28 | 93.91 | 66.60 | 46.77 |
| Last Week 5/12/2015 | 0.14 | 99.86 | 98.28 | 93.91 | 66.60 | 46.77 |
| 3 Months Ago 2/17/2015 | 0.16 | 99.84 | 98.10 | 93.44 | 67.46 | 41.20 |
| Start of Calendar Year 12/31/2014 | 0.00 | 100.00 | 98.12 | 94.34 | 77.94 | 32.21 |
| Start of Water Year 9/30/2014 | 0.00 | 100.00 | 100.00 | 95.04 | 81.92 | 58.41 |
| One Year Ago 5/20/2014 | 0.00 | 100.00 | 100.00 | 100.00 | 76.68 | 24.77 |

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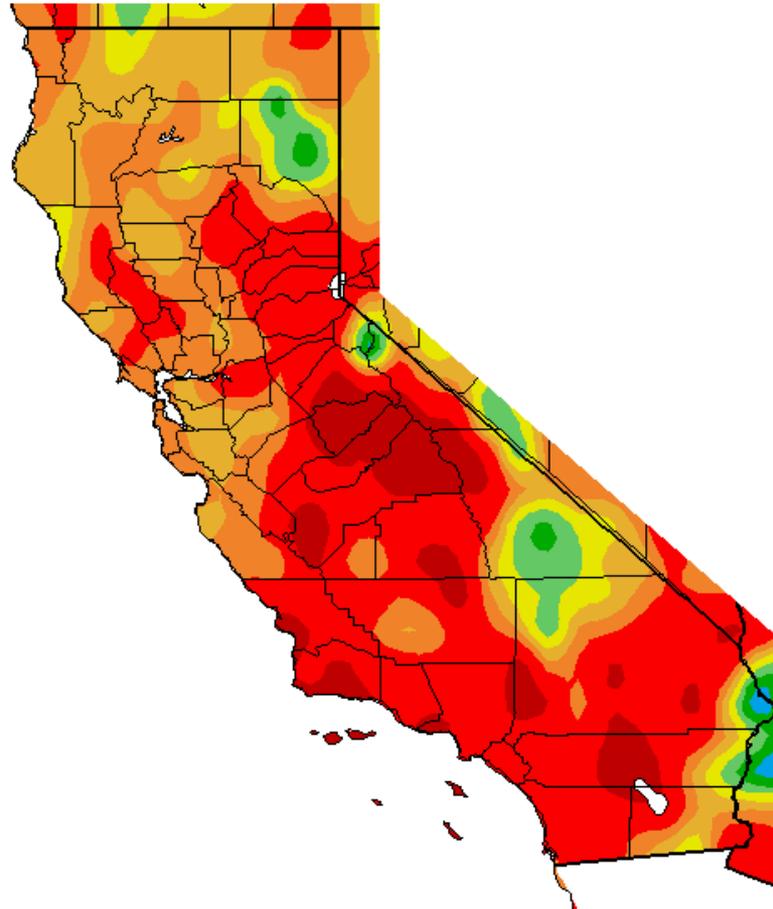
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Precipitation to Date: 50 to 80%

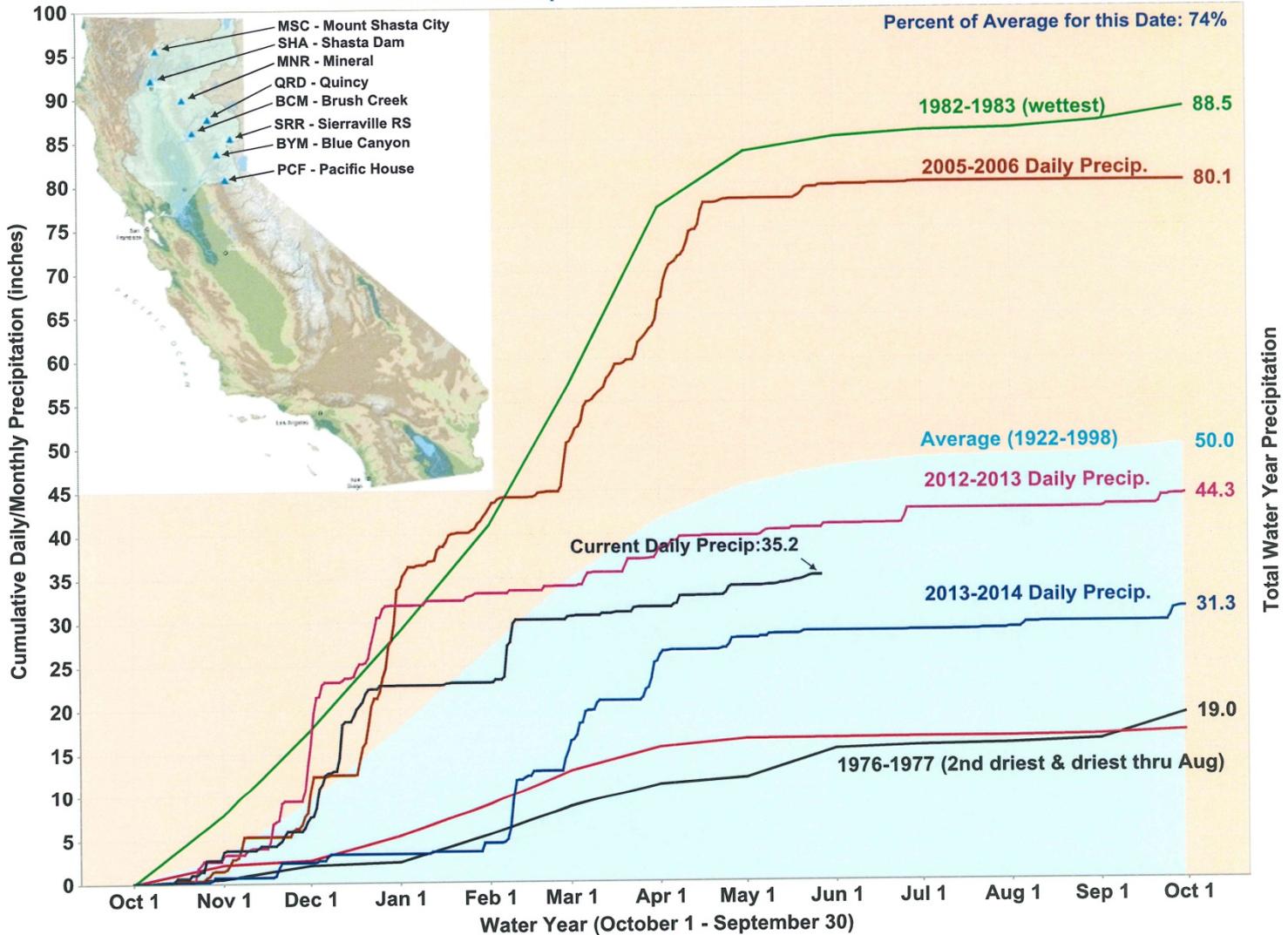
Percent of Average Precipitation (%)
10/1/2014 - 5/25/2015



25 50 70 80 90 100 110 120 130 150 175
Generated 5/26/2015 at WRCC using provisional data.
NOAA Regional Climate Centers

State Water Project

Northern Sierra Precipitation: 8-Station Index, May 27, 2015



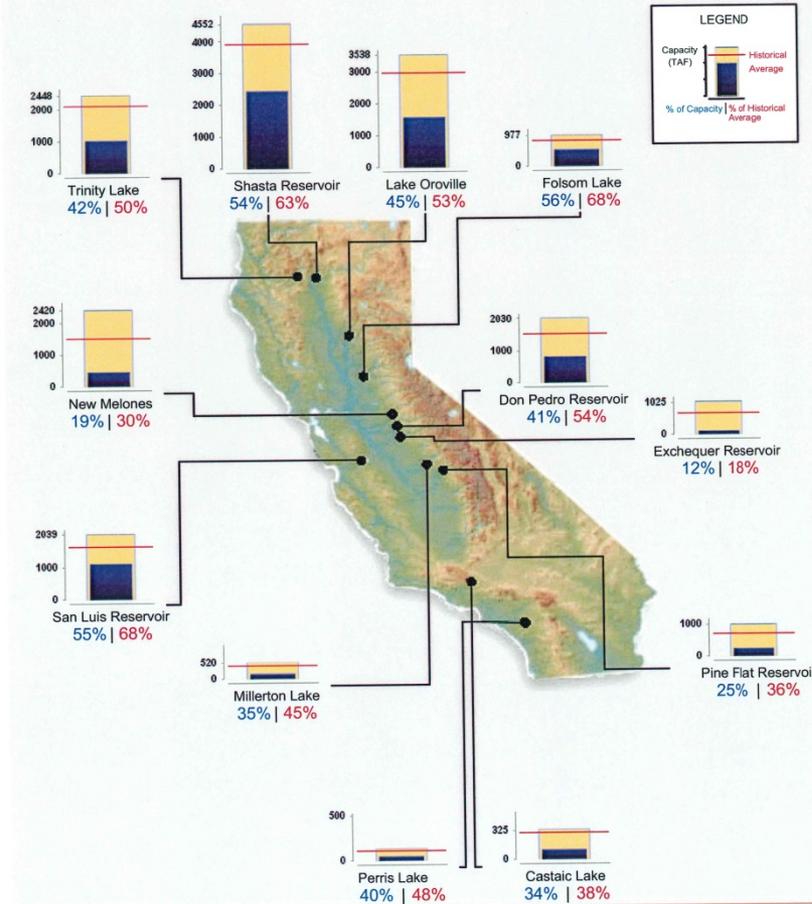
State Water Project



Reservoir Conditions

Ending At Midnight - May 26, 2015

CURRENT RESERVOIR CONDITIONS

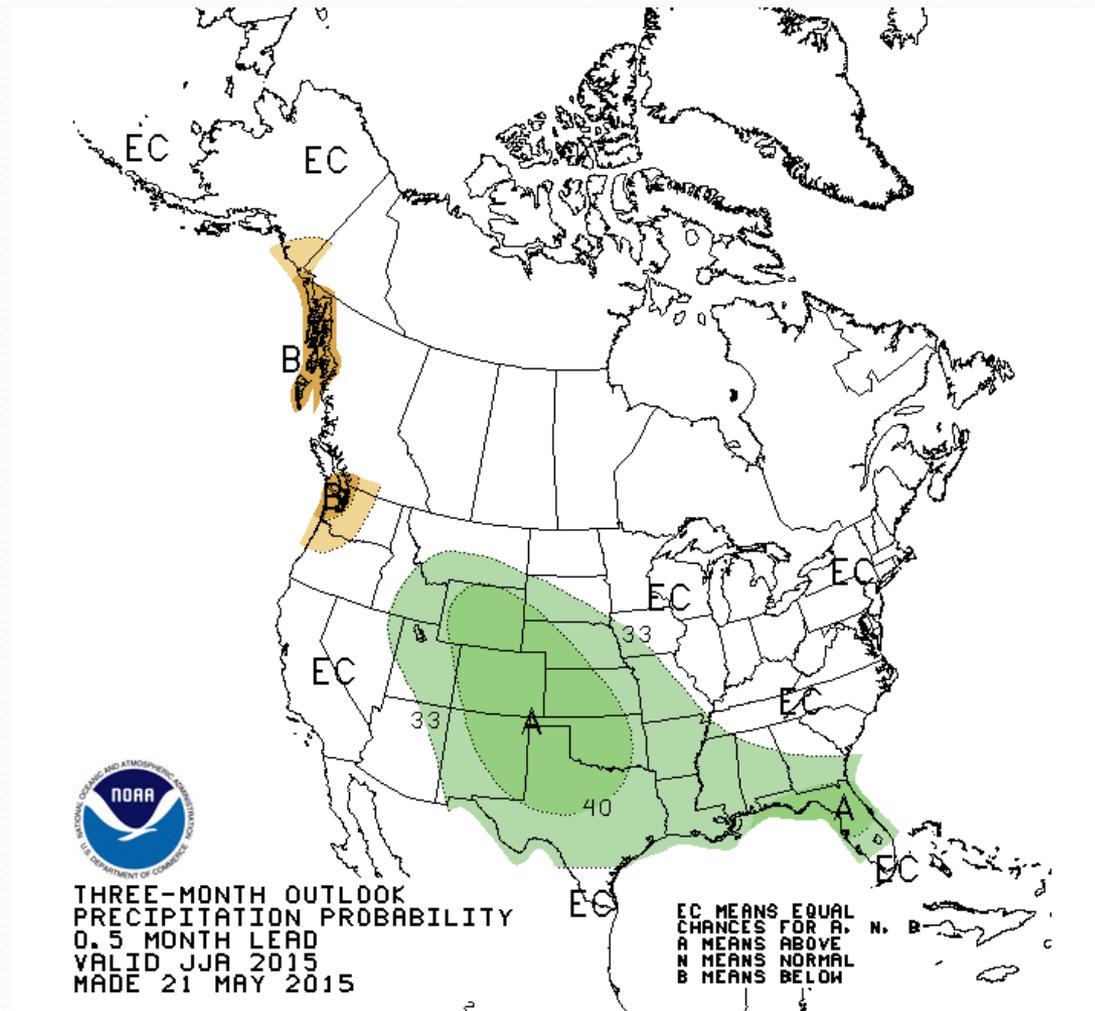


Graph Updated 05/27/2015 09:15 AM

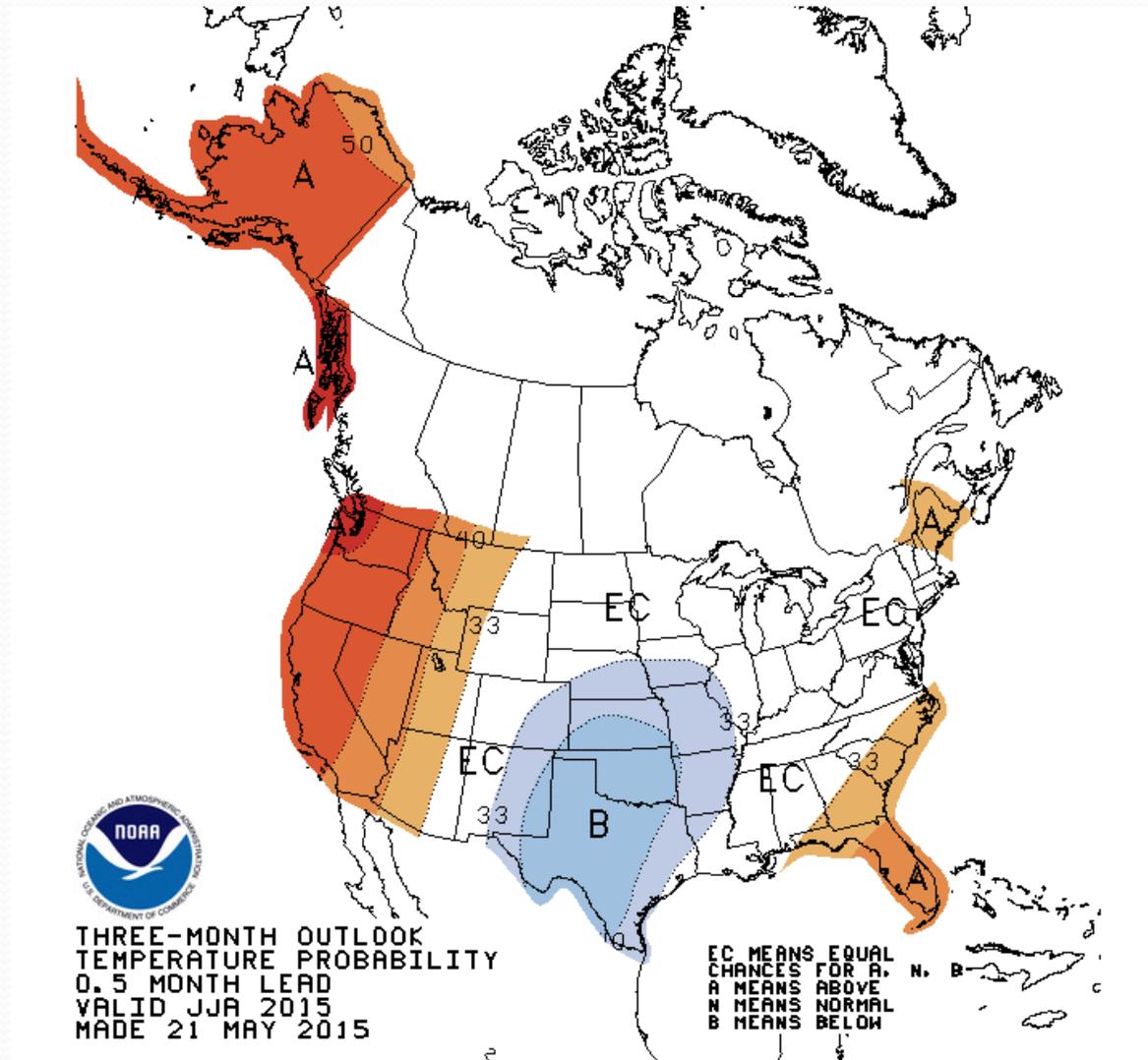
State Water Project

- Napa NOD Allocation 25⁰%
- Most Other Contractors at 15⁰%

90 Day Rainfall Forecast



90 Day Temperature Forecast



Local Supply Outlook

- Looking OK if Things Go as Planned
- In the Market for Reasonably Priced Water
- Local Reservoirs are Full
- Conservation is Effective

Groundwater

- Annual Report to BOS March 3, 2015
- “Groundwater Conditions Were Broadly Stable Through 2014 in Napa Valley”
- Recent Levels are Generally Higher Than 1976 – 1977
- MST: Some Wells Moderated, Some Still in Decline

Questions?