



NWS Sacramento



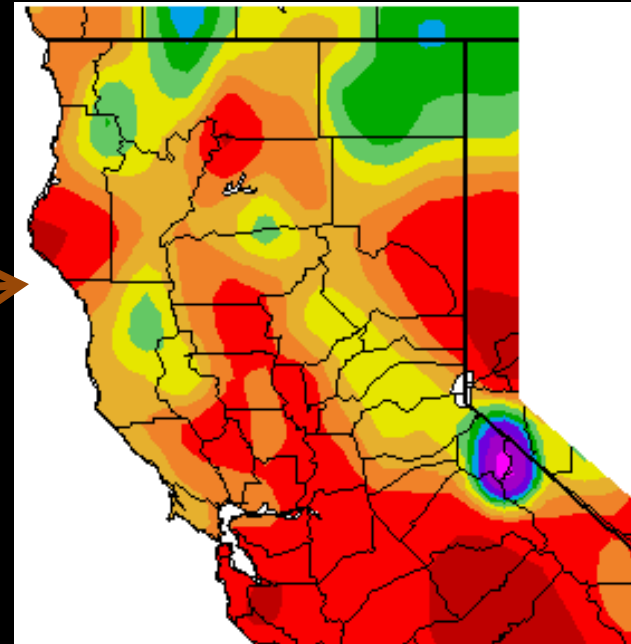
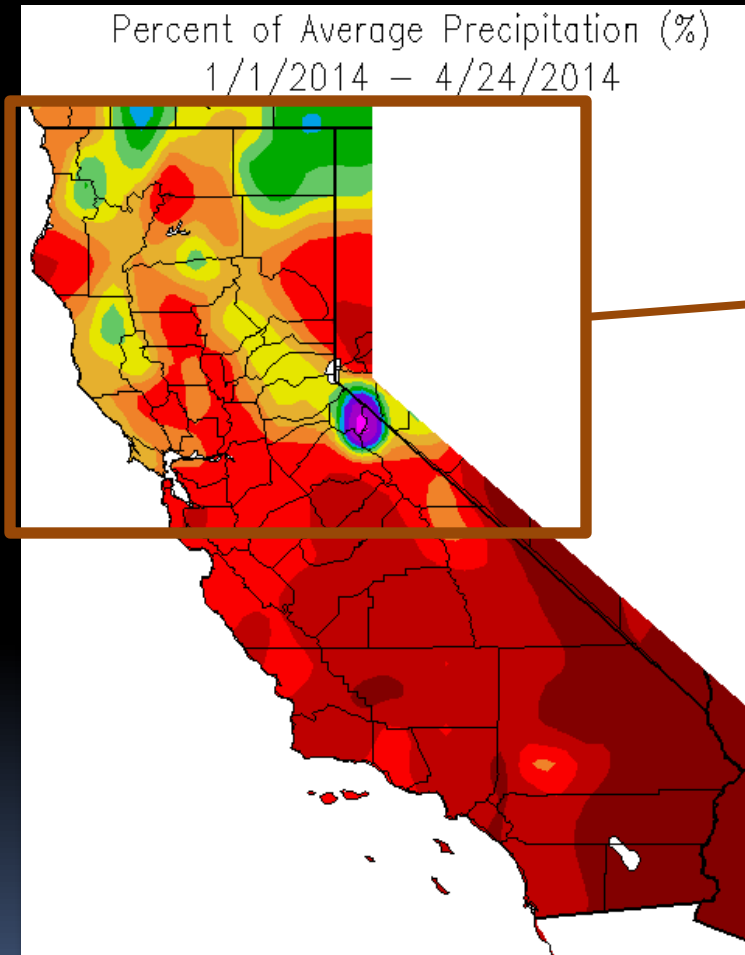
Red Cross

Drought Update and Weather Outlook

**Precipitation 2013-14,
Drought update
ENSO, Spring/summer
outlook & other stuff**

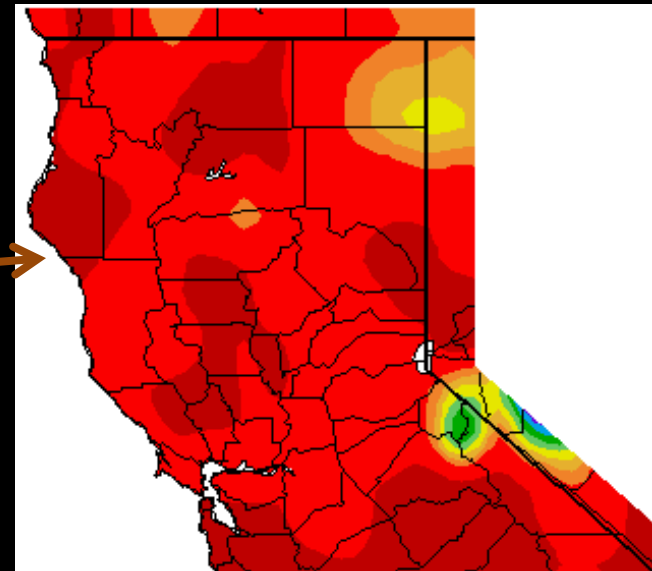
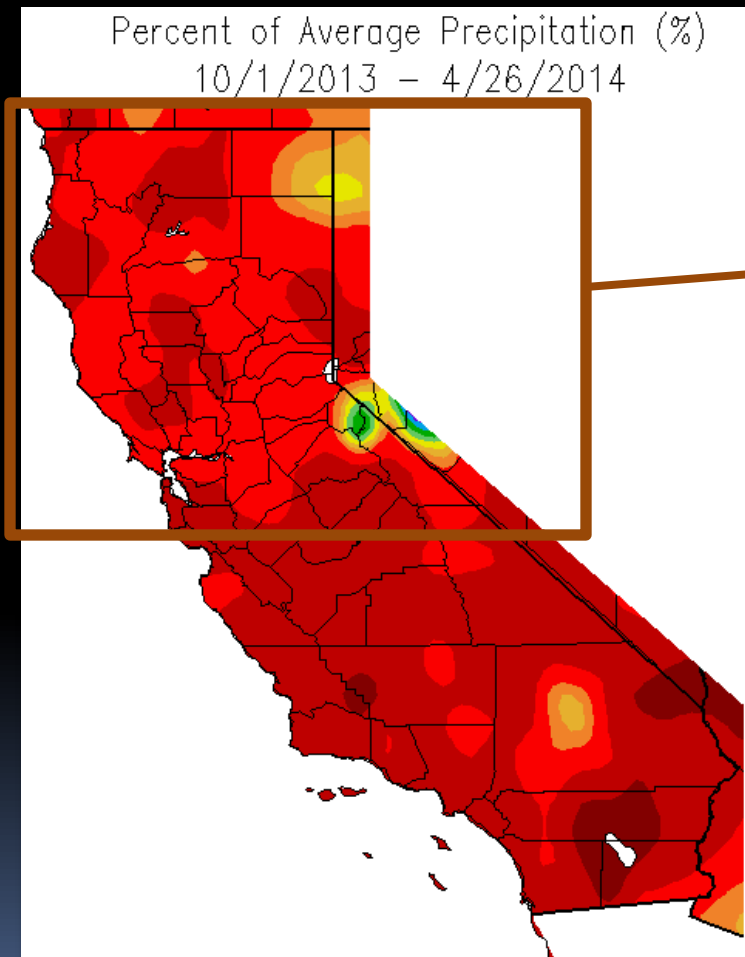
Presented by: Michelle Mead
Warning Coordination Meteorologist
(916) 979-3041 x 223

How is Nor Cal doing Since January 2014?



- NorCal is running 25-50% of average valleys, 90-120% in the mountains.

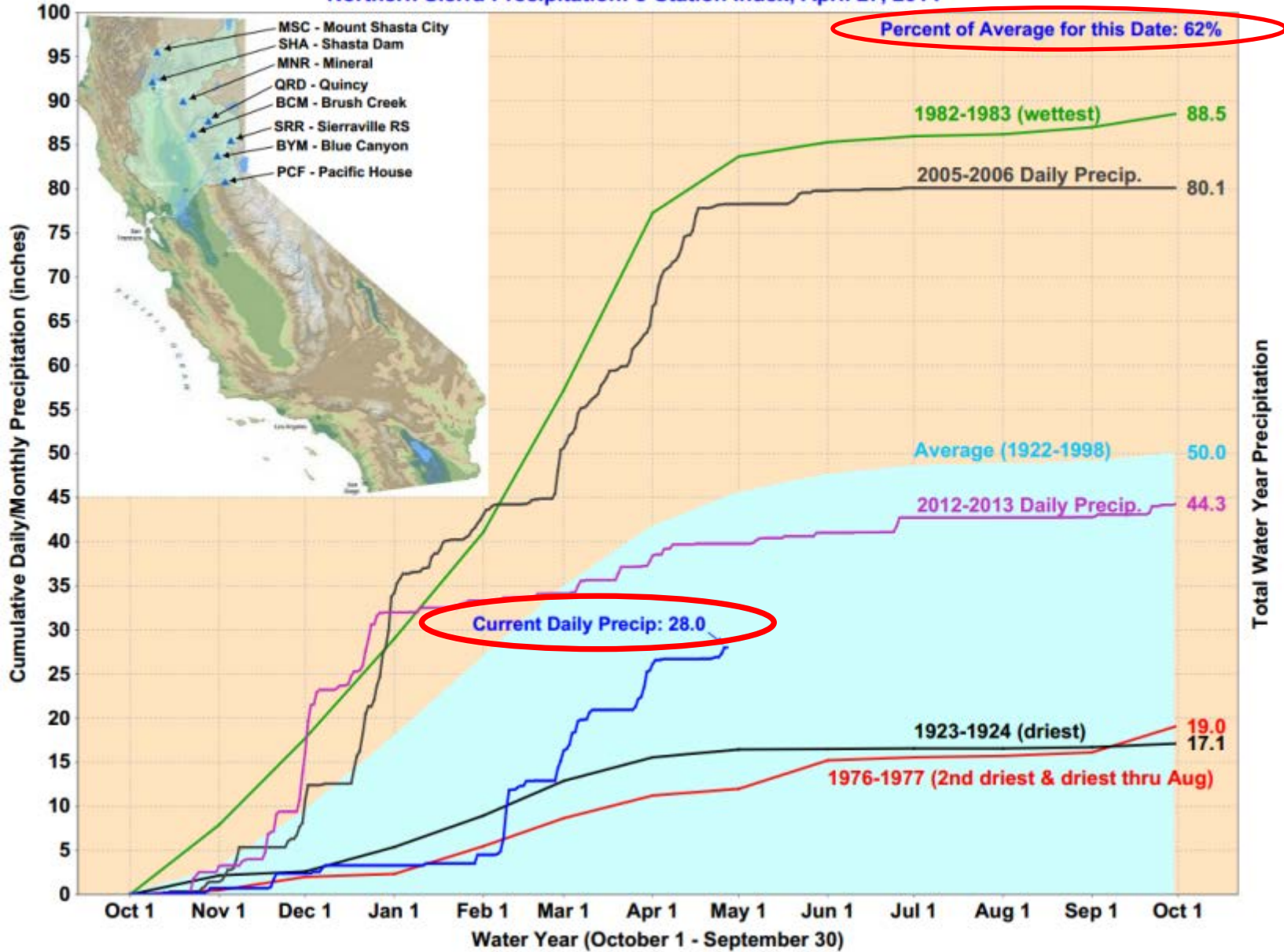
Compare with the Water Year (October 1, 2013-Now)



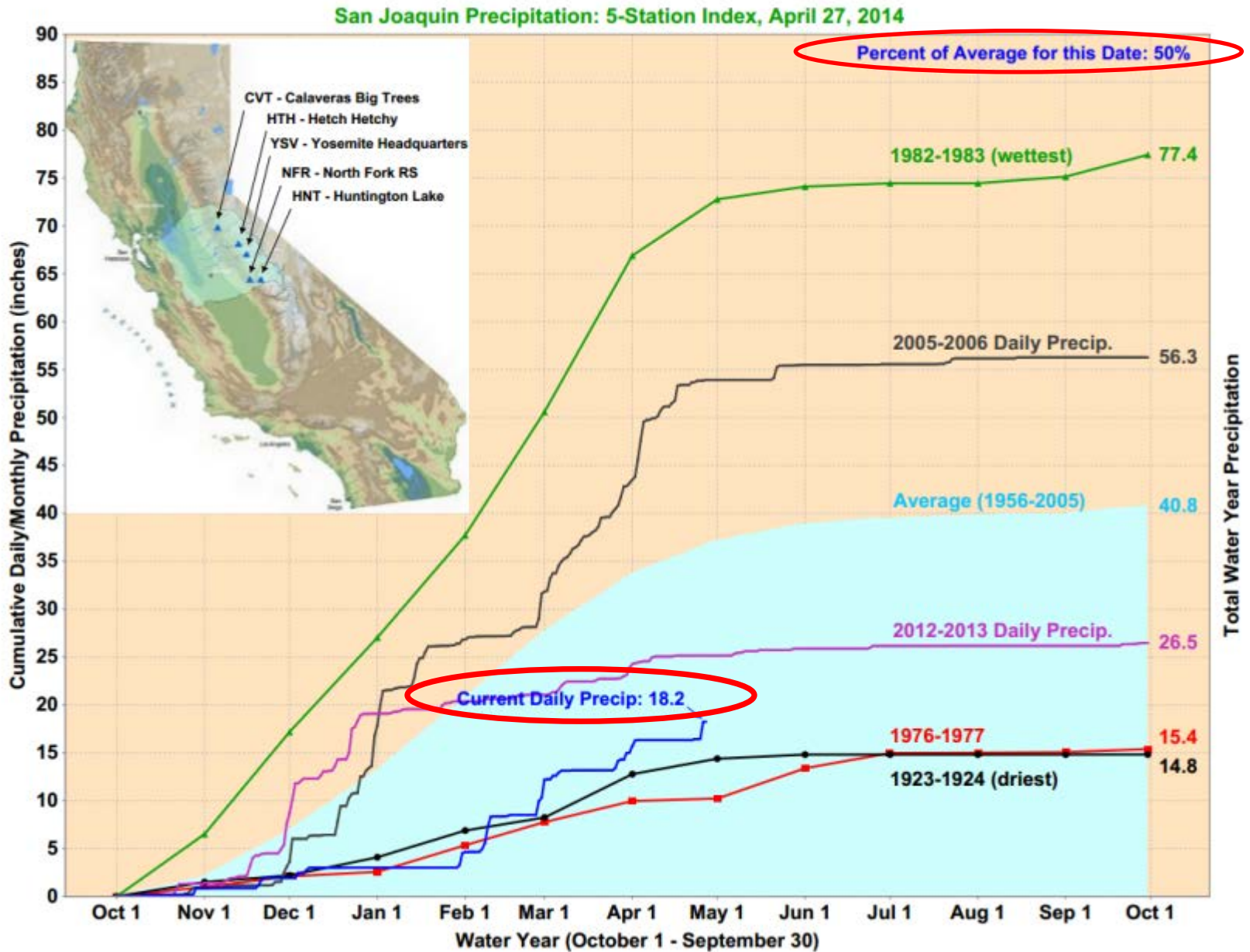
- **NorCal is running 25-50% of average for the current water year**

How are we Doing for the Water Year?

Northern Sierra Precipitation: 8-Station Index, April 27, 2014



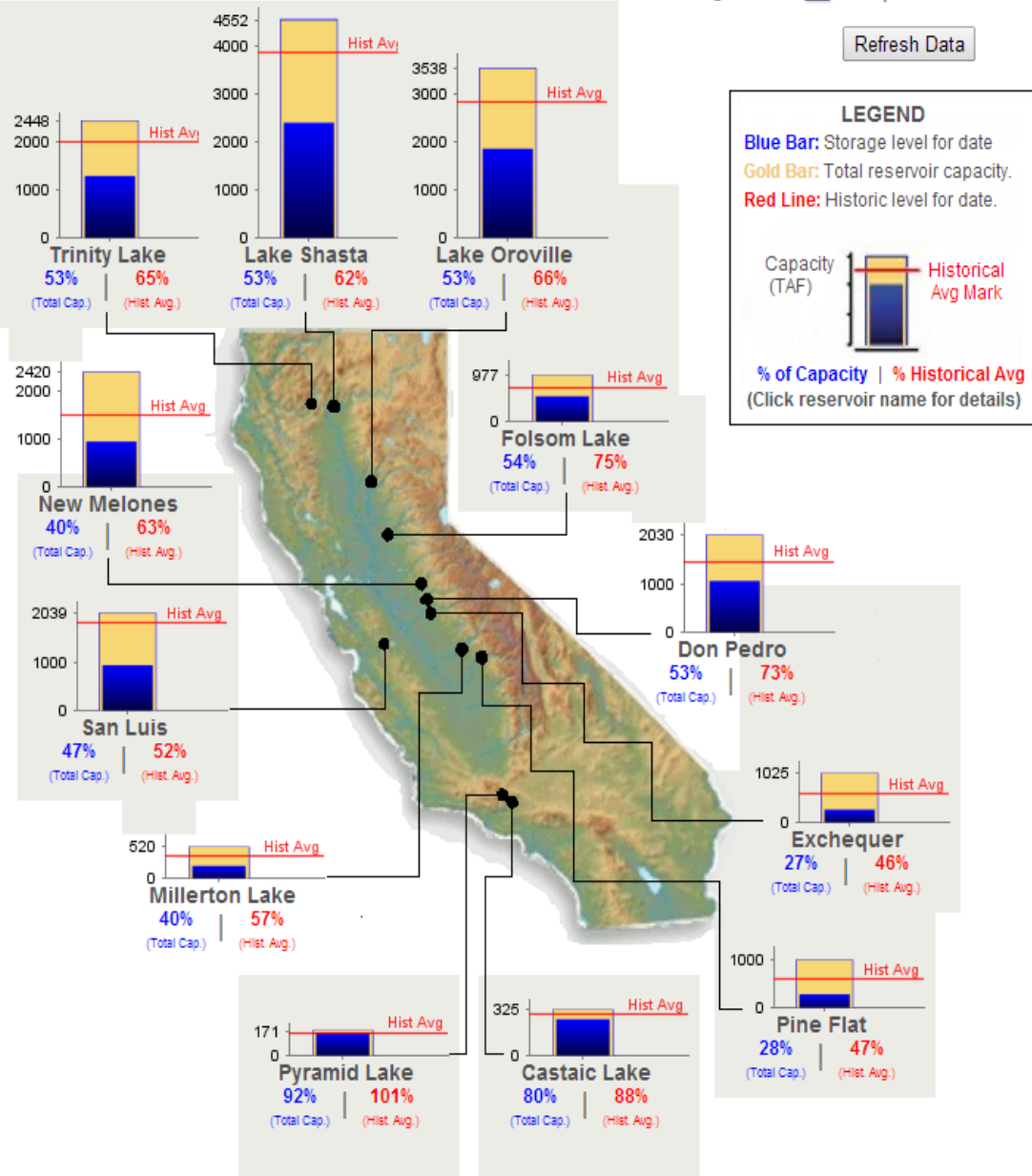
How are we Doing for the Water Year?



Data as of Midnight: 24-Apr-2014

Change Date:  24-Apr-2014

[Refresh Data](#)



- The northern Reservoirs are all around 53% of average.
- Water supply forecasts from CNRFC is now 31-55% of average

Reservoirs today and last year

2013

2014

CONDITIONS FOR MAJOR RESERVOIRS: 24-APR-2013

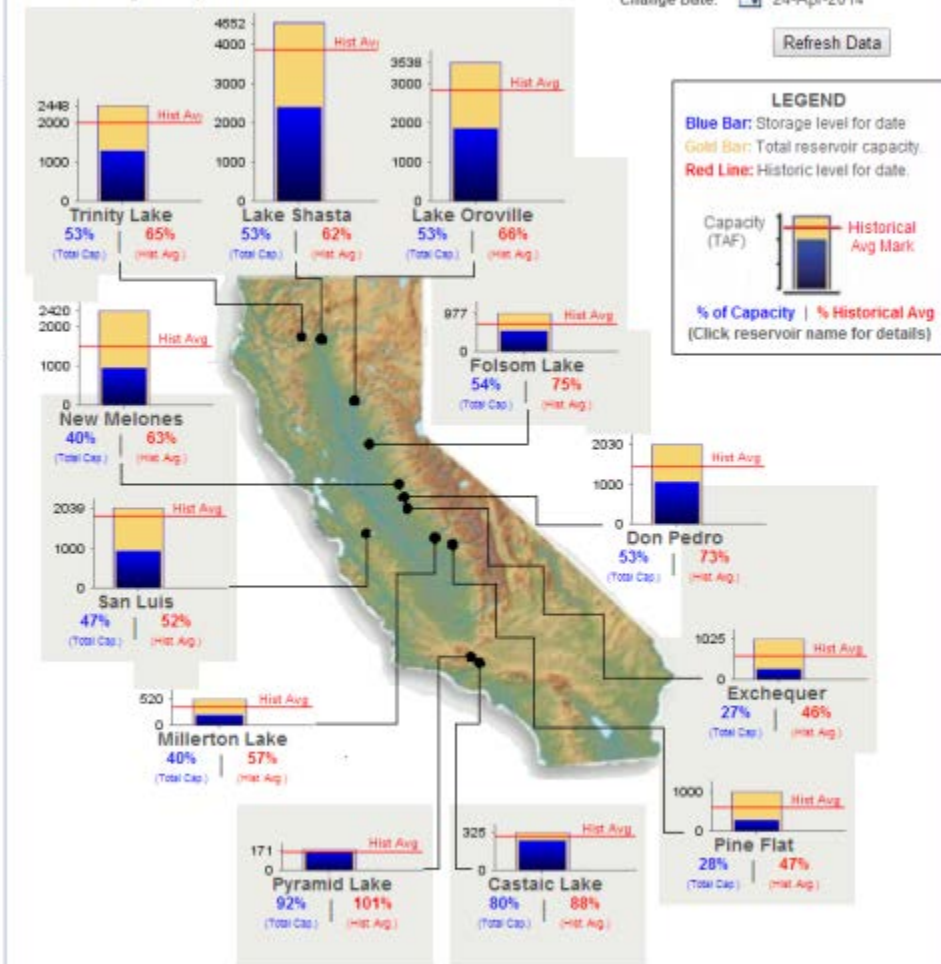
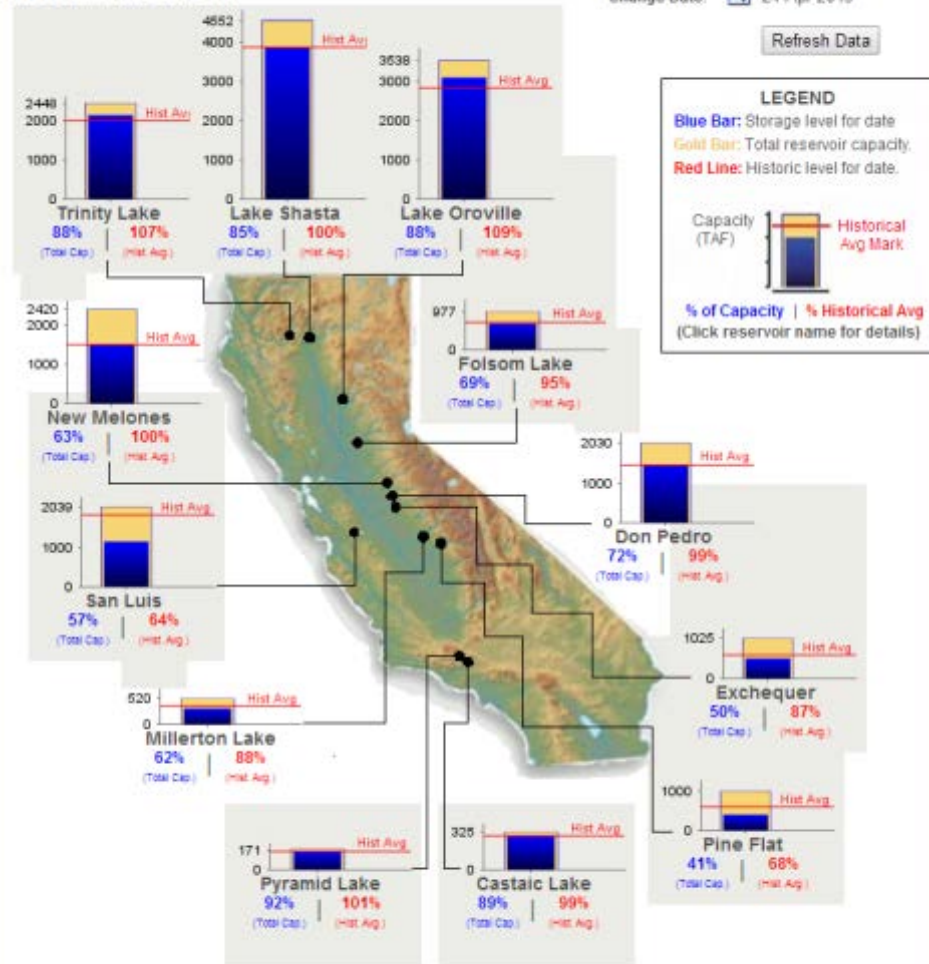
CONDITIONS FOR MAJOR RESERVOIRS: 24-APR-2014

Data as of Midnight: 24-Apr-2013

Data as of Midnight: 24-Apr-2014

Change Date: Refresh Data

Change Date: Refresh Data



Click for printable version of current data.

Report Generated: 25-Apr-2014 1:43 PM

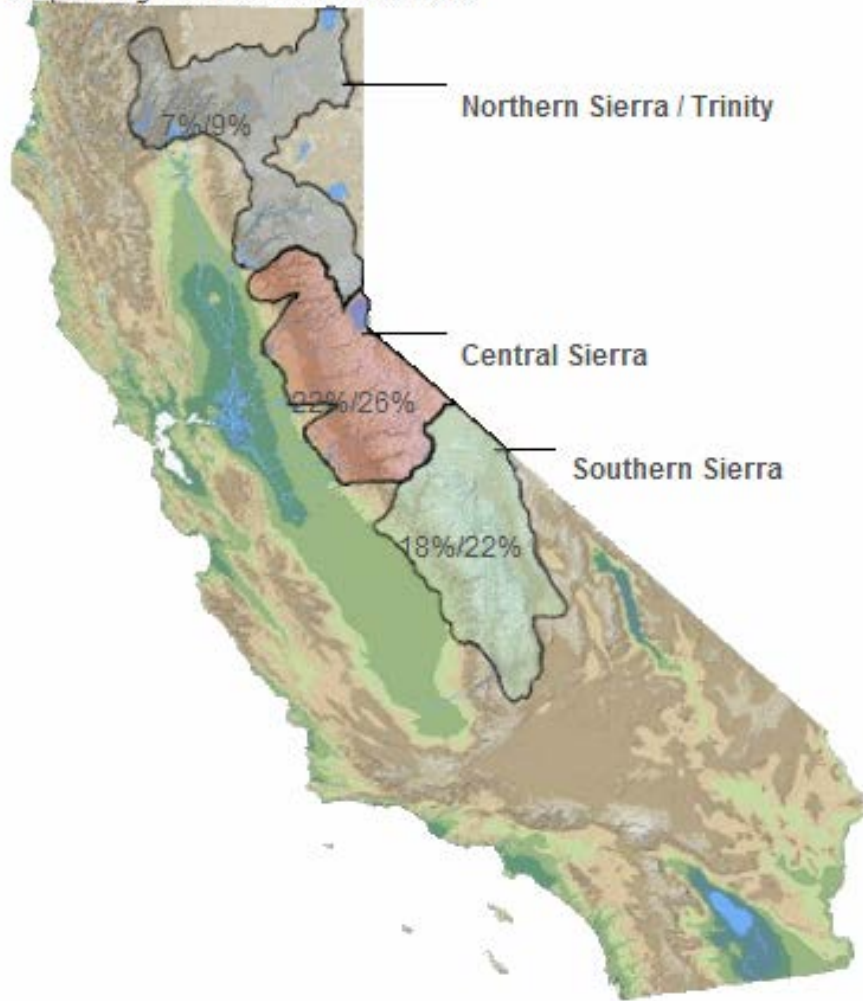
Click for printable version of current data.

Report Generated: 25-Apr-2014 1:43 PM

Sierra Snow pack as of April 28th, 2014

Data For: 28-Apr-2014

% Apr 1 Avg. / % Normal for this Date



NORTH

Data For: 28-Apr-2014

Number of Stations Reporting	26
Average snow water equivalent	1.9"
Percent of April 1 Average	7%
Percent of normal for this date	9%

CENTRAL

Data For: 28-Apr-2014

Number of Stations Reporting	42
Average snow water equivalent	6.7"
Percent of April 1 Average	22%
Percent of normal for this date	26%

SOUTH

Data For: 28-Apr-2014

Number of Stations Reporting	29
Average snow water equivalent	4.6"
Percent of April 1 Average	18%
Percent of normal for this date	22%

STATEWIDE SUMMARY

Data For: 28-Apr-2014

Number of Stations Reporting	97
Average snow water equivalent	4.8"
Percent of April 1 Average	17%
Percent of normal for this date	21%

Sierra Snow Pack 2013 vs 2014

2013

NORTH	
Data For: 28-Apr-2013	
Number of Stations Reporting	30
Average snow water equivalent	4.4"
Percent of April 1 Average	16%
Percent of normal for this date	21%

CENTRAL	
Data For: 28-Apr-2013	
Number of Stations Reporting	40
Average snow water equivalent	7.1"
Percent of April 1 Average	23%
Percent of normal for this date	27%

SOUTH	
Data For: 28-Apr-2013	
Number of Stations Reporting	29
Average snow water equivalent	2.2"
Percent of April 1 Average	9%
Percent of normal for this date	11%

STATEWIDE SUMMARY	
Data For: 28-Apr-2013	
Number of Stations Reporting	99
Average snow water equivalent	4.8"
Percent of April 1 Average	17%
Percent of normal for this date	21%

2014

NORTH	
Data For: 28-Apr-2014	
Number of Stations Reporting	26
Average snow water equivalent	1.9"
Percent of April 1 Average	7%
Percent of normal for this date	9%

CENTRAL	
Data For: 28-Apr-2014	
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Percent of normal for this date	26%

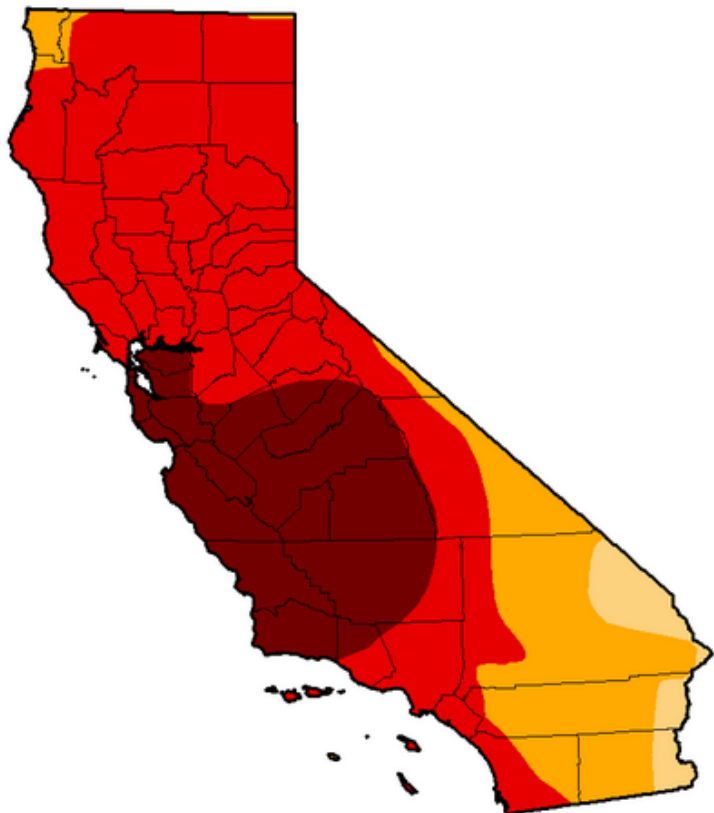
SOUTH	
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Average snow water equivalent	4.6"
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STATEWIDE SUMMARY	
Data For: 28-Apr-2014	
Number of Stations Reporting	97
Average snow water equivalent	4.8"
Percent of April 1 Average	17%
Percent of normal for this date	21%

Updated U.S. Drought Monitor

U.S. Drought Monitor

California



April 22, 2014

(Released Thursday April 24, 2014)

Valid 7 a.m. Eastern

Statistics type: Traditional (D0-D4, D1-D4, etc.) Categorical (D0, D1, etc.)



Drought Condition (Percent Area):

Week	Date	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4/22/2014	0.00	100.00	100.00	96.01	76.68	24.77
Last Week	4/15/2014	0.00	100.00	99.80	95.21	68.76	23.49
3 Months Ago	1/21/2014	1.43	98.57	94.18	89.91	62.71	0.00
Start of Calendar Year	12/31/2013	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year	10/1/2013	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago	4/23/2013	2.84	97.16	63.42	30.00	0.00	0.00

[View More Statistics](#)

Intensity:

 D0 - Abnormally Dry
 D1 - Moderate Drought
 D2 - Severe Drought

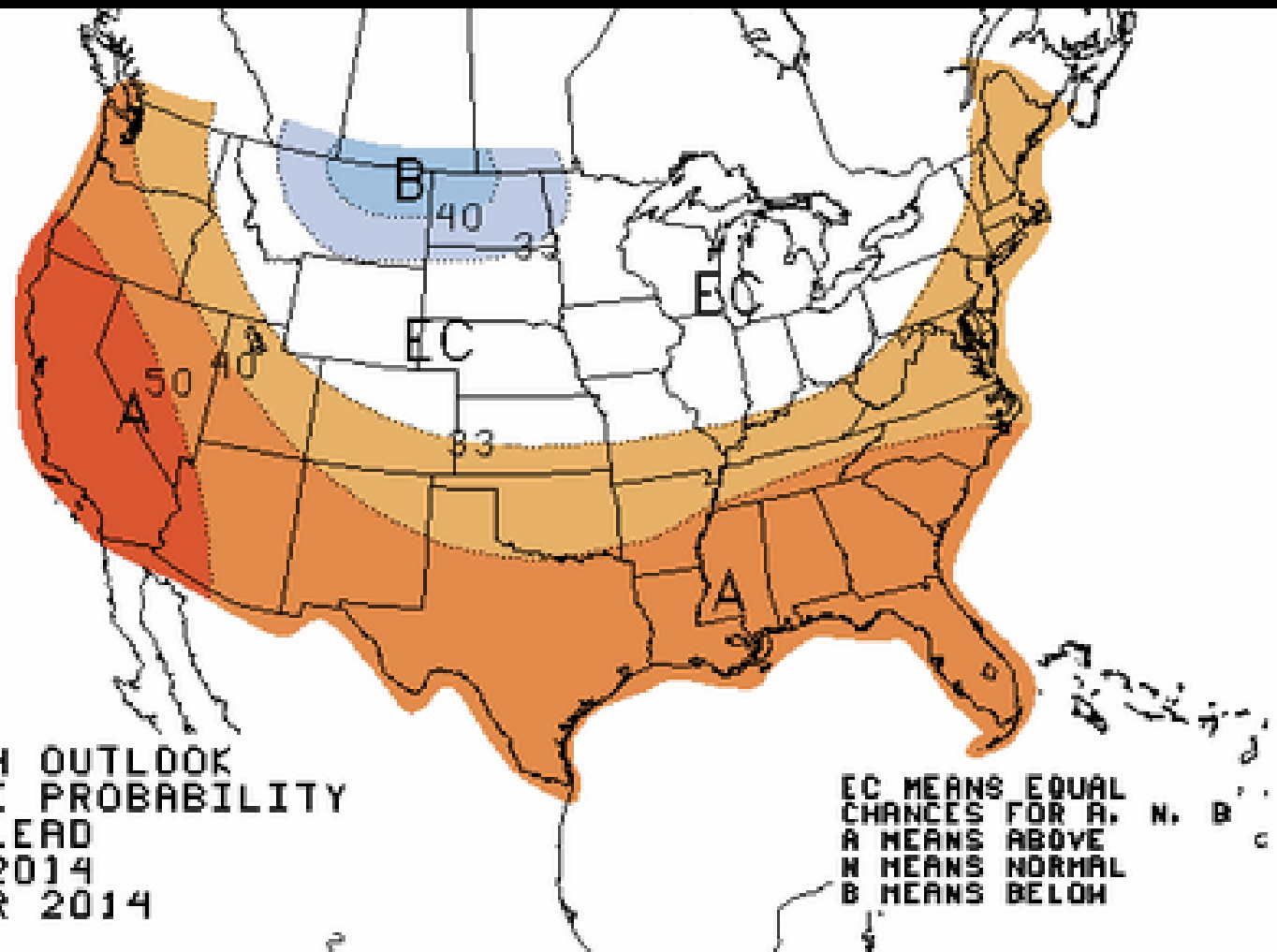
 D3 - Extreme Drought
 D4 - Exceptional Drought

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

Neutral (ENSO) for California

- **Neutral conditions now and expected to continue for Summer of 2014**
 - *For Spring, we are transitioning to our climatologically drier period this month*
 - *Following outlooks illustrate this*

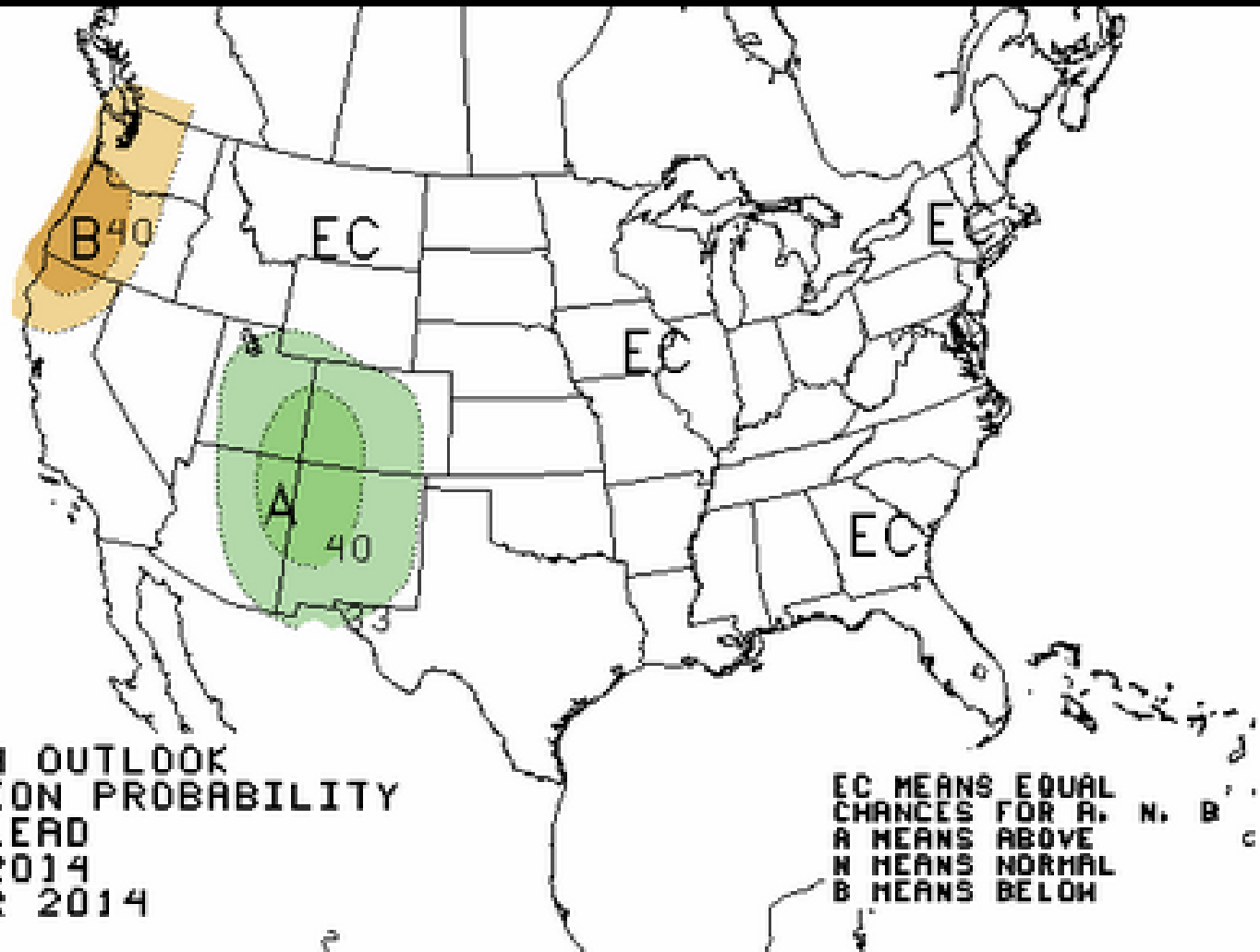
May/June/July Temperature Outlook



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID MJJ 2014
MADE 17 APR 2014

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

May/June/July Precipitation Outlook



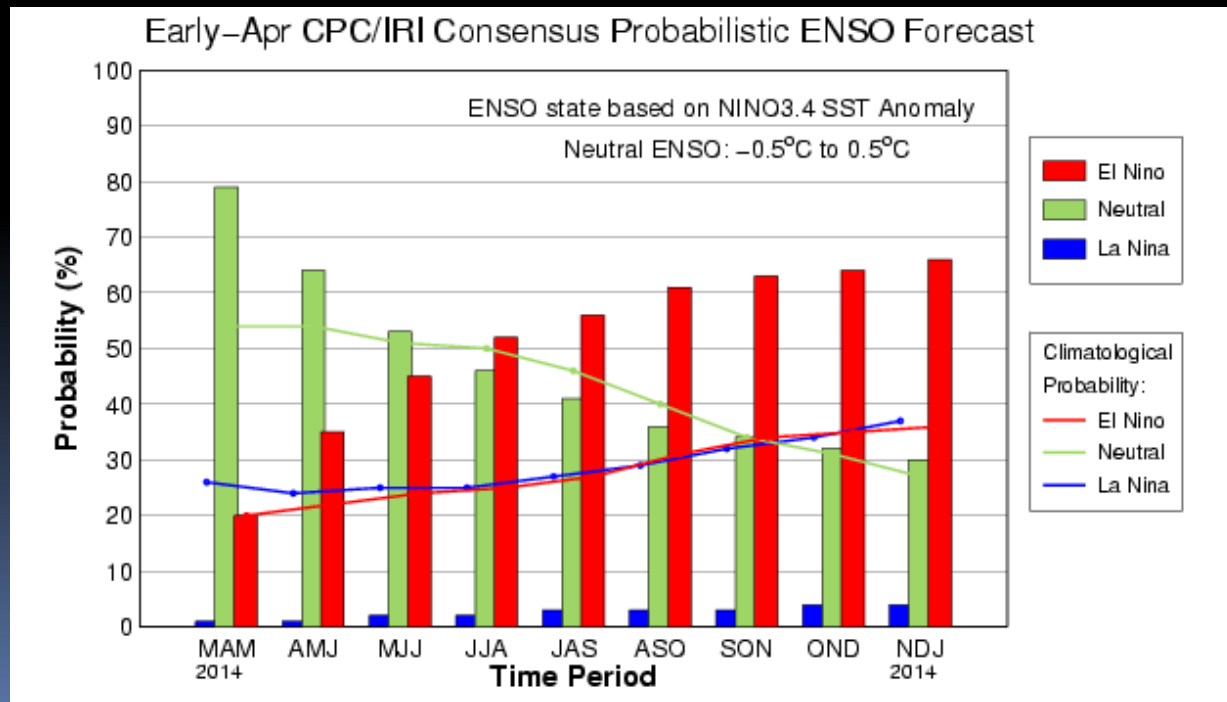
THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MJJ 2014
MADE 17 APR 2014

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

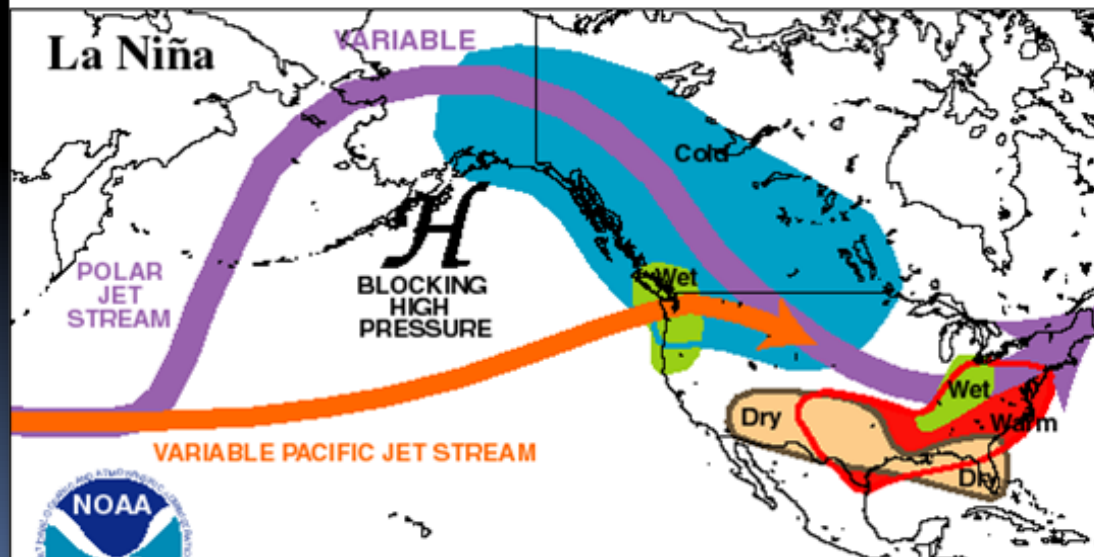
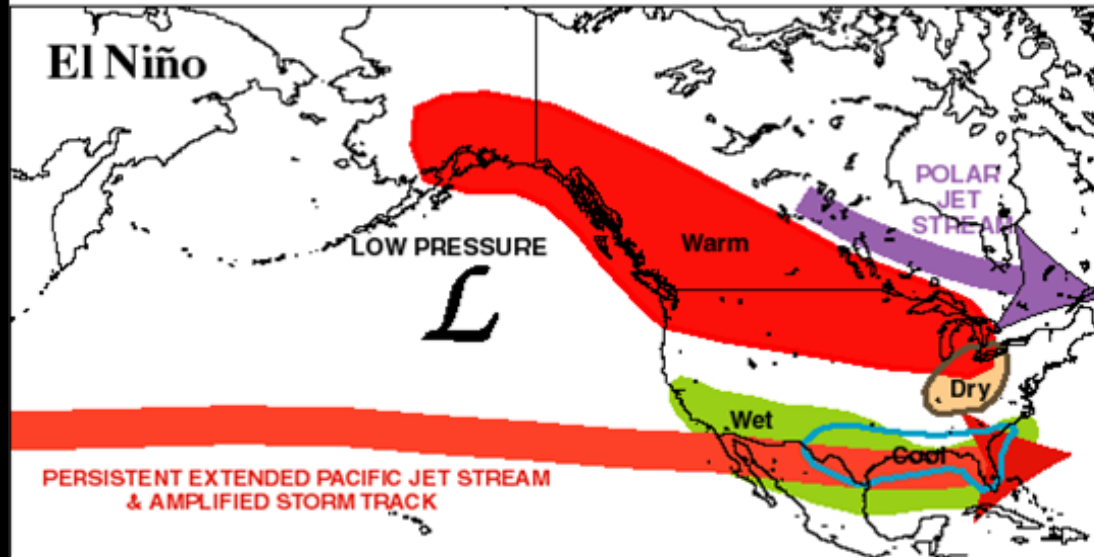
Winter Predictions for 2014-2015

According to the Climate Prediction Center

- The CPC forecast on ENSO shows an increasing probability (60-70%) of El Nino conditions by late summer to fall 2014.



TYPICAL JANUARY-MARCH WEATHER ANOMALIES
AND ATMOSPHERIC CIRCULATION
DURING MODERATE TO STRONG
EL NIÑO & LA NIÑA



Some Good Stuff

- **Weather Story**

Weather.gov/sto

- **Social Media**

- *Facebook*

- *Twitter*

- *You Tube*

NWS Sacramento, CA

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Wireless Emergency Alerts (WEA)

for extreme/life threatening events



NOAA
National Weather Service



WEA Messages Originated by NWS

Extreme

Severe

Warning Type	WEA Message
Tsunami Warning (coming soon)	Tsunami danger on the coast. Go to high ground or move inland. Check local media. -NWS
Tornado Warning	Tornado Warning in this area til hh:mm tzT. Take shelter now. Check local media. -NWS
Extreme Wind Warning	Extreme Wind Warning this area til hh:mm tzT ddd. Take shelter. -NWS
Hurricane Warning	Hurricane Warning this area til hh:mm tzT ddd. Check local media and authorities. -NWS
Typhoon Warning	Typhoon Warning this area til hh:mm tzT ddd. Check local media and authorities. -NWS
Flash Flood Warning	Flash Flood Warning this area til hh:mm tzT. Avoid flooded areas. Check local media. -NWS
Dust Storm Warning	Dust Storm Warning in this area til hh:mm tzT ddd. Avoid travel. Check local media. -NWS

Legend
 tzT = timezone
 ddd= three letter abbreviation
 for day of the week

The ones highlighted in Blue boxes are the ones you'll likely see from NWS Sacramento

WEA Settings and availability

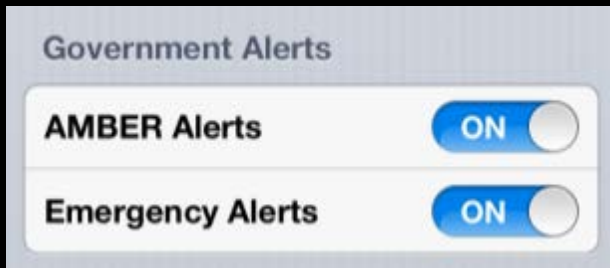
Built-in on newer smart phones iPhone 4s (IOS6) or higher and newer Androids



iPhone

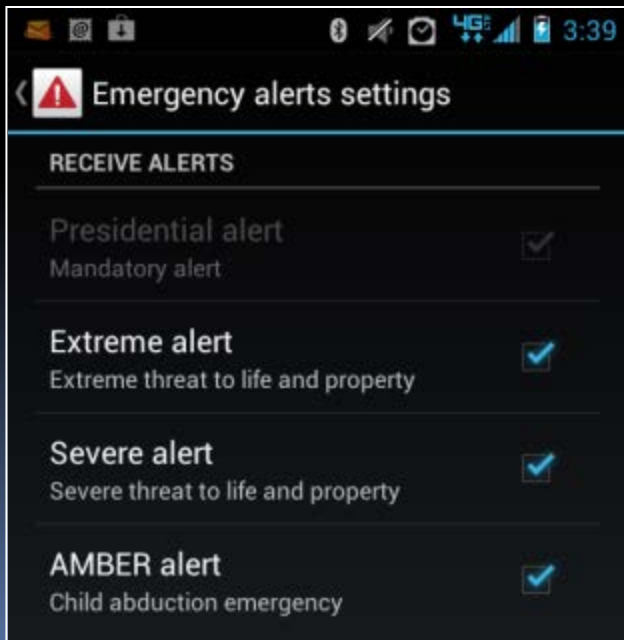


Notifications



Emergency Alerts

Android



Alert Categories

- Presidential
- Imminent threat to life and property (e.g., severe weather, HazMat, earthquake)
- AMBER Alert/child abduction

User defined preferences between cell phones

- iPhones have only Amber alerts and Emergency alerts.
- Android devices have Extreme and Severe categories.

Android Categories

Extreme

Tornado Warning
Extreme Wind Warning
Tsunami Warning
Hurricane/Typhoon Warnings

Severe

Flash Flood Warning
Dust Storm Warning



Questions



If you have further questions, please contact

Michelle.mead@noaa.gov

(916) 979-3041 x 223 or

Forecaster can be reached (916) 979-3050