

# Hydrologic Conditions Update: March 2014 Groundwater Level Results

Christina Buck  
Water Resources Scientist  
Butte County Drought Task Force  
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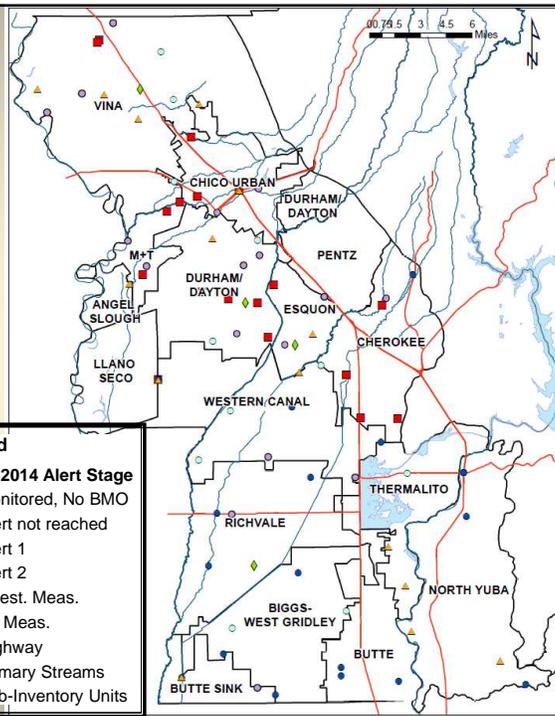
## March Groundwater Level Overview

Groundwater Elevation Change- Spring 2013 to Spring 2014			
Well Count		Change (ft) SIU	
	<b>Max Increase</b>	3	<i>North Yuba</i>
23	Average Increase	1	
	<b>Max Decrease</b>	-21	<i>Chico Urban Area</i>
88	Average Decrease	-5	
	<b>Average GWL Change</b>	-4	
	<b>Number of Wells</b>	111	
<b>**Questionable Measurements not included</b>			

Spring 2012 to 2013			
Well Count		Change (ft) SIU	
	<b>Max Increase</b>	9	<i>Durham Dayton</i>
20	Average Increase	2	
	<b>Max Decrease</b>	-8	<i>Chico Urban</i>
88	Average Decrease	-2	
	<b>Average GWL Change</b>	-2	
	<b>Number of Wells</b>	108	

## Spring 2014 BMO Alert Map

- 117 meas.
- 12 No Meas.
- 24 Alert 1
- 21 Alert 2



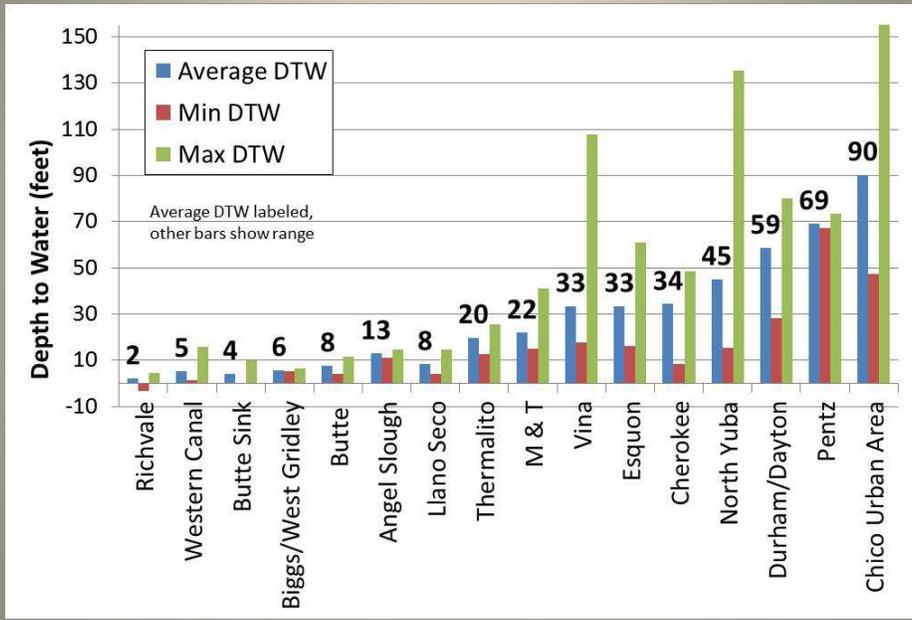
## BMO Alert Stage Frequency

Spring: March 2014

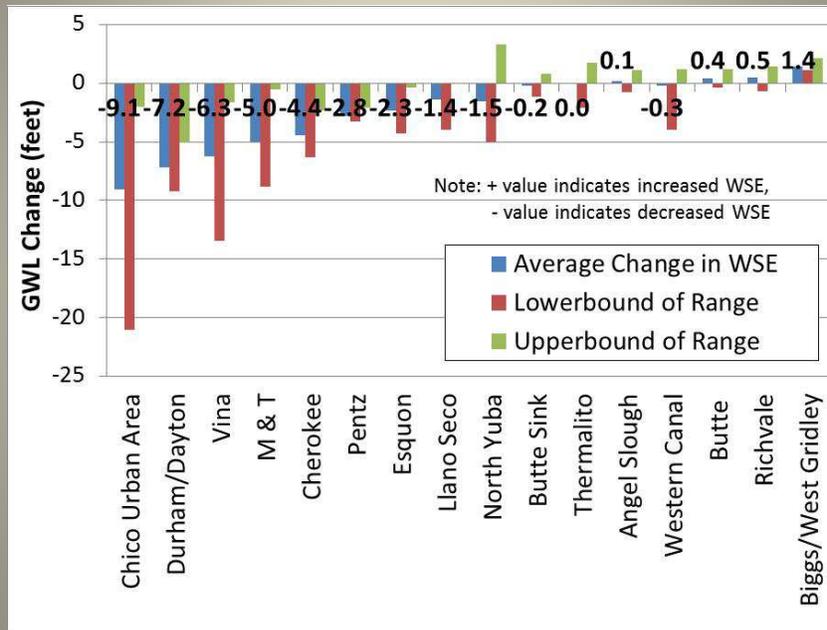
	2008	2009	2010	2011	2012	2013	2014
Alert 1	26	31	25	24	25	20	24
Alert 2	0	6	3	0	4	15	21

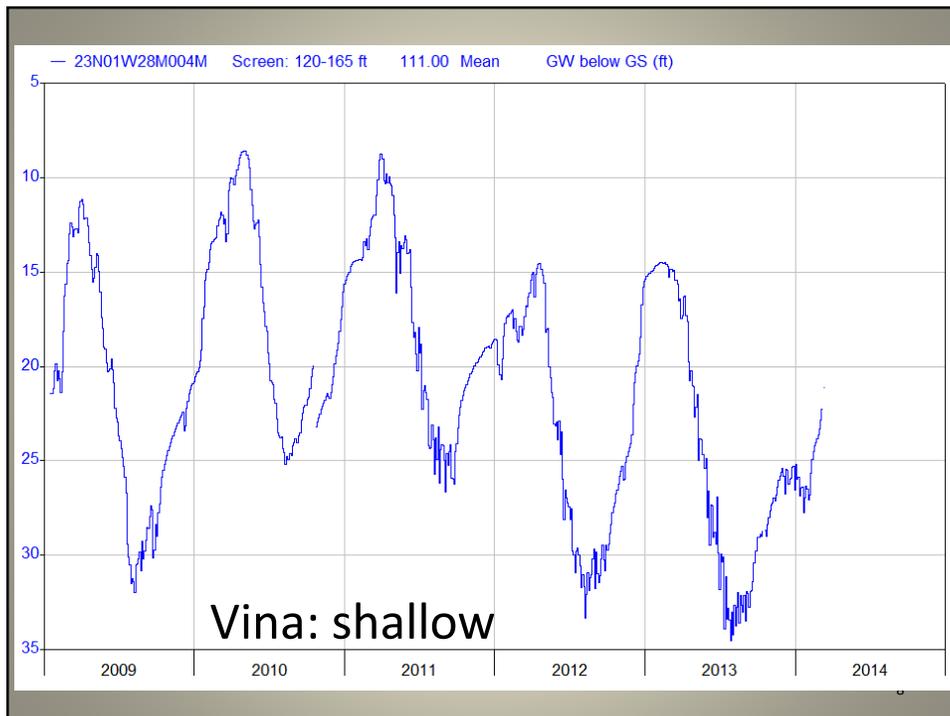
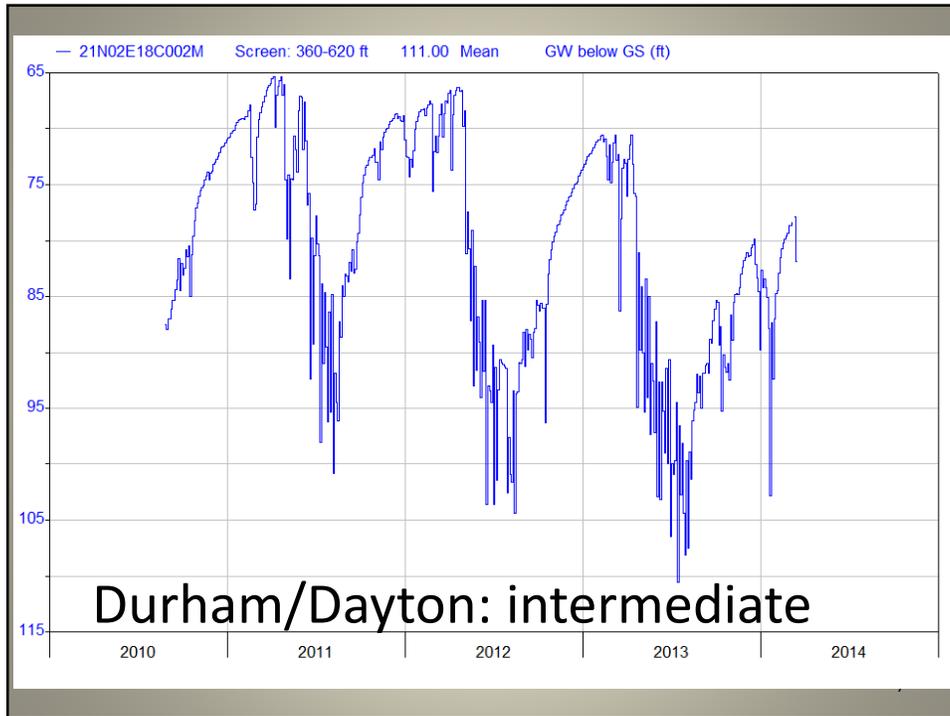
Alert stages are set for each well based on the historical record of the well. An Alert stage 2 indicates the groundwater level is near or below the historical low for that well.

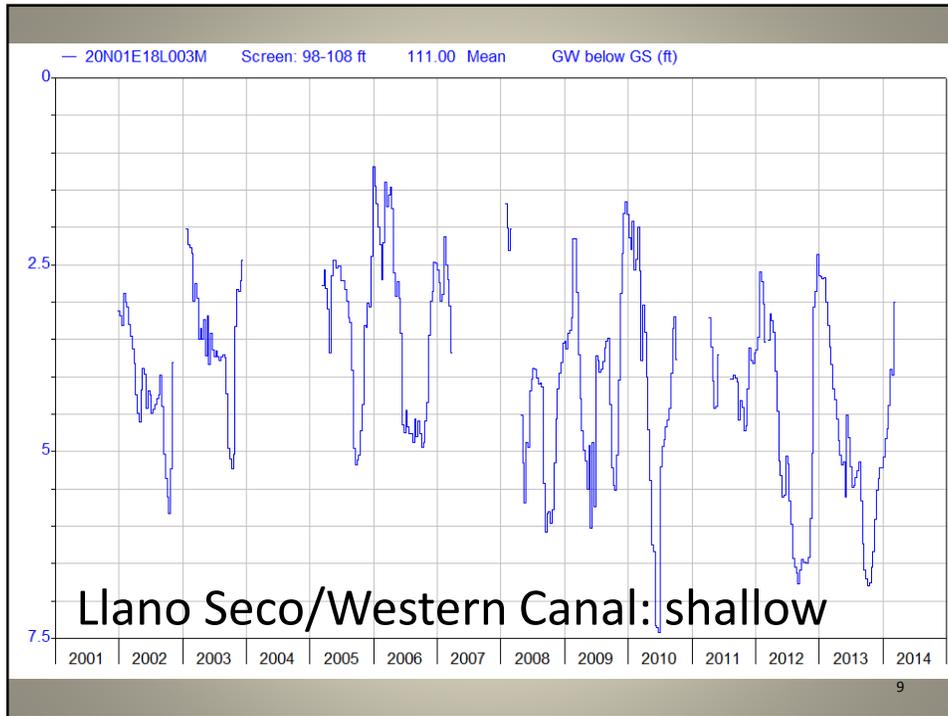
### March 2014 Depth to Water



### GWL Change: Spring 2013 to 2014



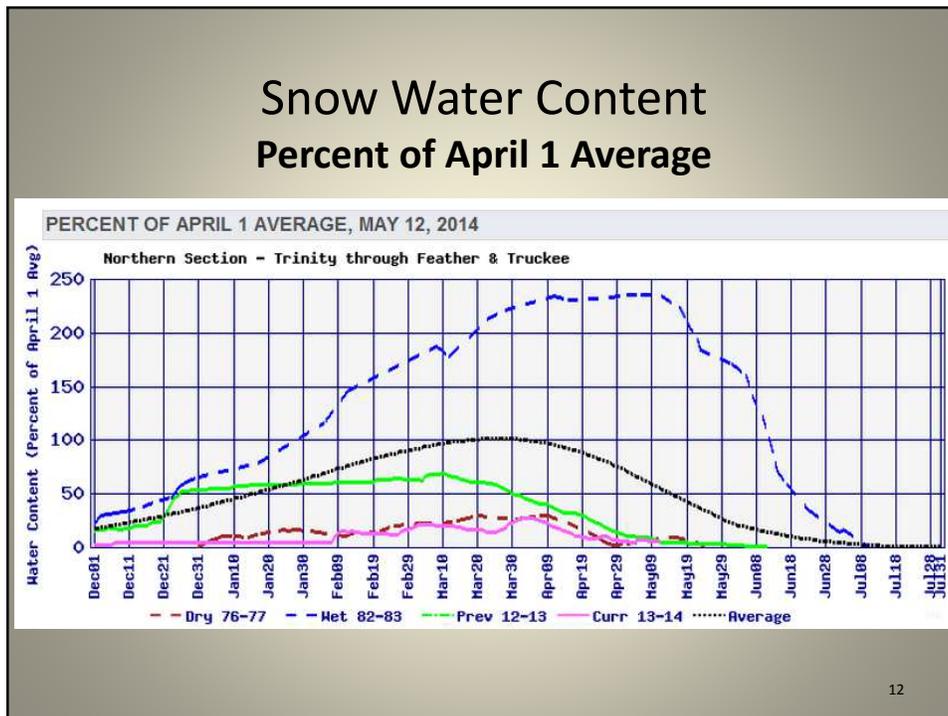
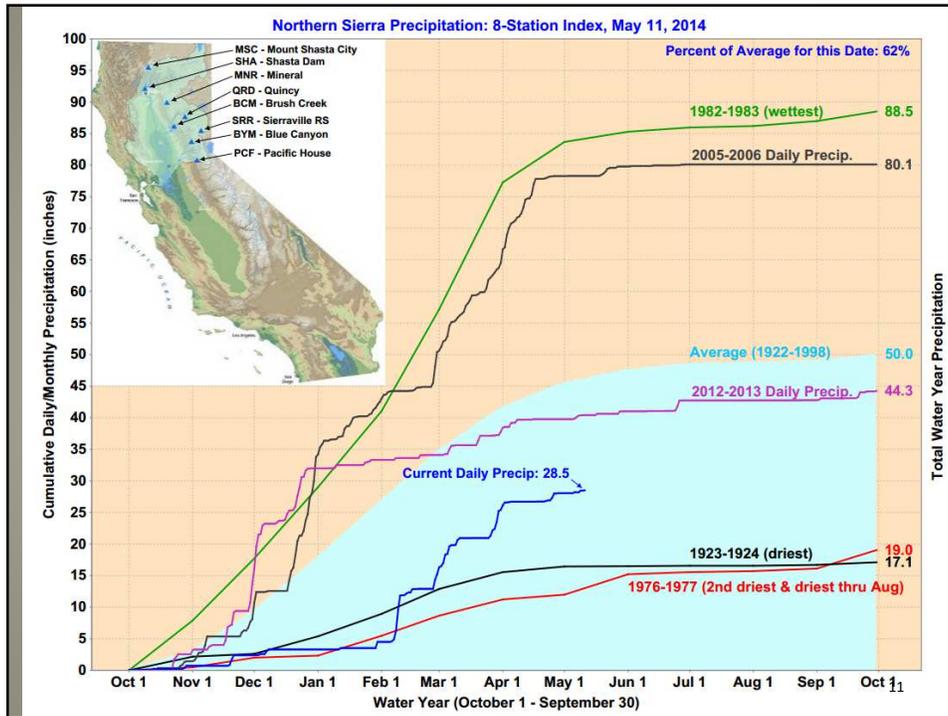


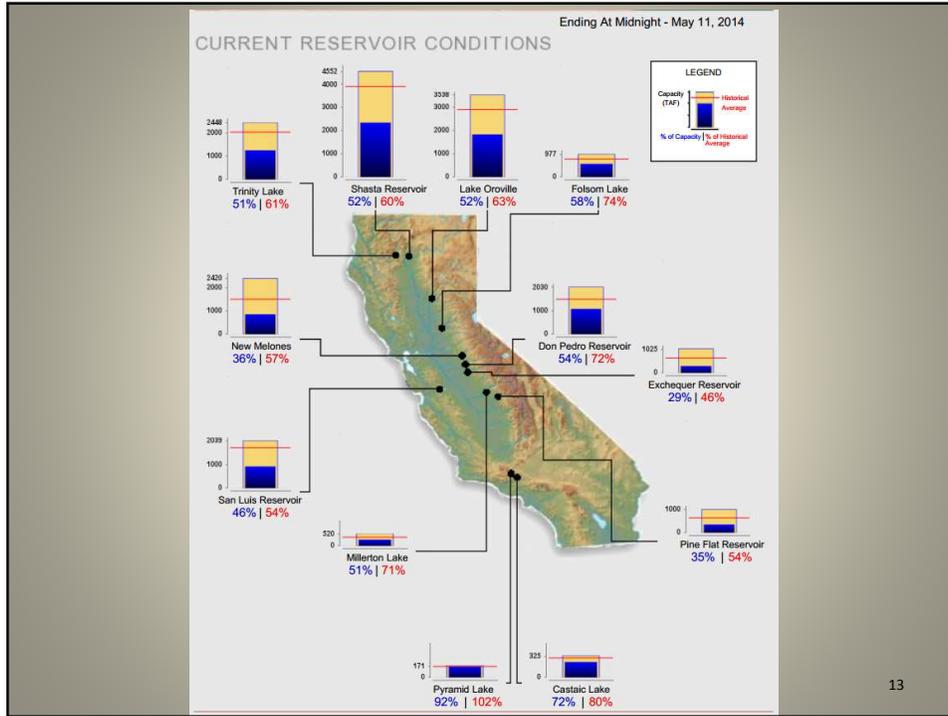


## Water Year 2014

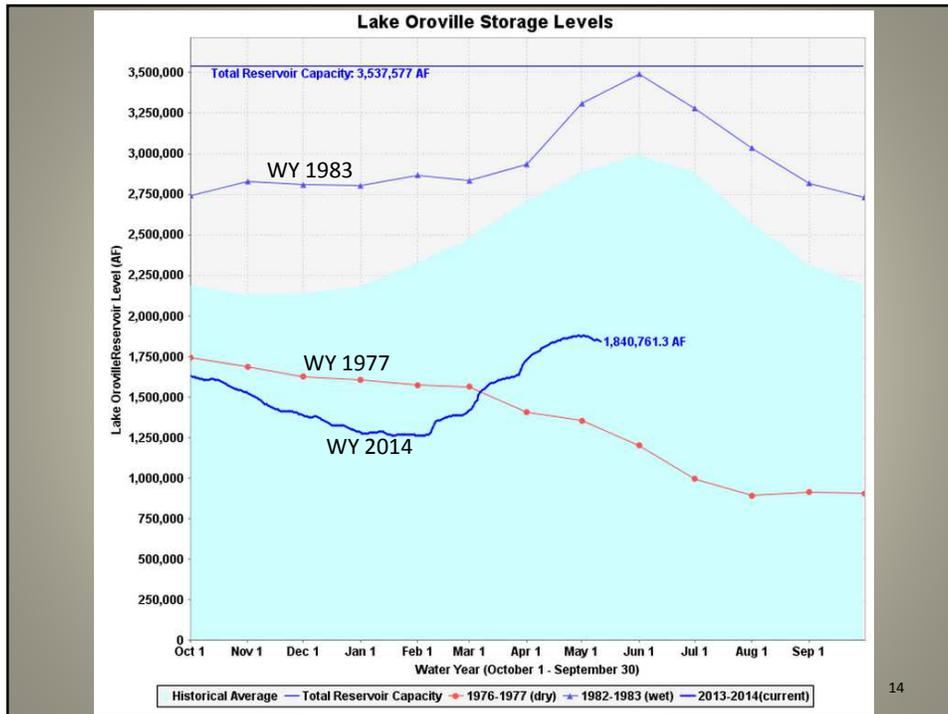
- Oct. 1, 2013 - Sept. 30, 2014
- 2014 Critical Year
- Forecast Summary (May 1 update):

<b>Sacramento River Unimpaired Runoff Water Year Forecast</b>	<b>7.2 MAF</b>
(50 percent exceedance)	(34 percent of normal)
<b>Sacramento Valley Index (SVI)</b>	<b>4.0</b>
(50 percent exceedance)	(Critical)
<b>San Joaquin Valley Index (SJI)</b>	<b>1.1</b>
(75 percent exceedance)	(Critical)

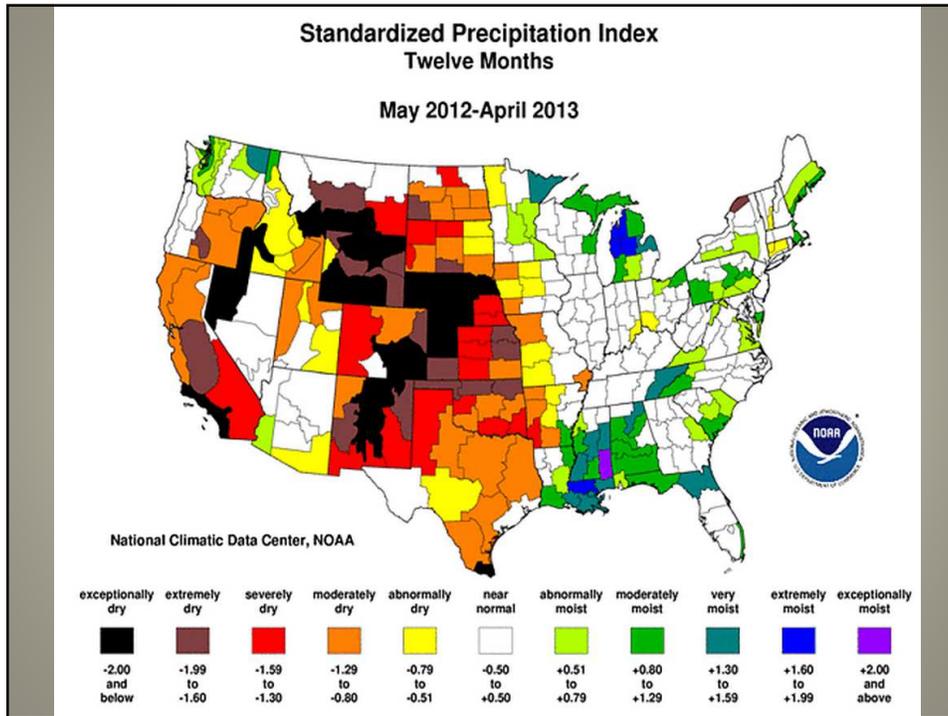




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Questions/Discussion