

Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	7.9
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	7.9
Average Well Depth (ft)	425
Number of Wells Monitored	1

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	1.8
Maximum Decrease GWE (ft)	-2.5
Average Change GWE (ft)	-1.4
Average Well Depth (ft)	460
Number of Wells Monitored	4

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	2.1
Maximum Decrease GWE (ft)	-13.1
Average Change GWE (ft)	-5.4
Average Well Depth (ft)	390
Number of Wells Monitored	23

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	0.3
Maximum Decrease GWE (ft)	-35.4
Average Change GWE (ft)	-11.5
Average Well Depth (ft)	438
Number of Wells Monitored	23

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	2.3
Maximum Decrease GWE (ft)	-28.4
Average Change GWE (ft)	-7.0
Average Well Depth (ft)	383
Number of Wells Monitored	14

Summary Results for Spring 2004 to Spring 2012 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	7.9
Maximum Decrease GWE (ft)	-35.4
Average Change GWE (ft)	-7.1
Average Well Depth (ft)	419
Number of Wells Monitored	79

- Monitoring Well
- County Boundaries
- Redding GW Basin
- Sacramento Valley GW Basin

Change in Groundwater Elevation

- Greater than 20 feet higher
- > 15 to 20 feet higher
- > 10 to 15 feet higher
- > 5 to 10 feet higher
- 0 to 5 feet higher
- > 0 to 5 feet lower
- > 5 to 10 feet lower
- > 10 to 15 feet lower
- Greater than 20 feet lower

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	0.4
Maximum Decrease GWE (ft)	-16.2
Average Change GWE (ft)	-5.3
Average Well Depth (ft)	457
Number of Wells Monitored	14

- ### NOTES
- Note 1: A positive number indicates that groundwater elevations were higher in the current year than in 2004. A negative number indicates that groundwater elevations were lower in the current year than in 2004.
 - Note 2: Statistical analysis is based on the number of wells monitored within each county. Summary results are based on the total number of wells monitored, not averages of the statistical analysis of individual counties.
 - Note 3: This map may not use all the color ranges shown in table above. Not all wells will be visible on map due to the close proximity to each other.
 - Note 4: Groundwater level changes are based on groundwater level measurements taken from wells constructed in the intermediate aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are generally greater than 200 ft and less than 600 ft.
 - Note 5: Change in groundwater elevations are based on the actual measured levels of the hydrostatic level (piezometric surface) of the groundwater at individual well locations. Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation based on the inverse distance weighted method using the availability and proximity of surrounding monitoring well measurements. As such, the calculated change in groundwater elevation between individual monitoring wells should be considered approximate. The accuracy of the estimated contour is directly related to the spacing and the distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes or similarities in aquifer characteristics.
 - Note 6: GWE - Groundwater Elevation
bgs - below ground surface

NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP SPRING 2004 TO SPRING 2012 INTERMEDIATE AQUIFER ZONE (Wells generally greater than 200 ft and less than 600 ft bgs)

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PLATE 11-B

Date: January 2013
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