

Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	1.4
Maximum Decrease GWE (ft)	-11.5
Average Change GWE (ft)	-1.9
Average Well Depth (ft)	236
Number of Wells Monitored	12

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	3.1
Maximum Decrease GWE (ft)	-4.2
Average Change GWE (ft)	-1.0
Average Well Depth (ft)	226
Number of Wells Monitored	6

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	0.8
Maximum Decrease GWE (ft)	-23.5
Average Change GWE (ft)	-9.1
Average Well Depth (ft)	255
Number of Wells Monitored	44

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	11.5
Maximum Decrease GWE (ft)	-36.5
Average Change GWE (ft)	-12.4
Average Well Depth (ft)	239
Number of Wells Monitored	50

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWE(ft)	5.6
Maximum Decrease GWE (ft)	-47.4
Average Change GWE (ft)	-10.4
Average Well Depth (ft)	266
Number of Wells Monitored	31

Summary Results for Summer 2011 to Summer 2016 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	11.5
Maximum Decrease GWE (ft)	-47.4
Average Change GWE (ft)	-9.2
Average Well Depth (ft)	242
Number of Wells Monitored	189

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

5 0 5 10  
Miles

**Groundwater Elevation Change**

- > 40 feet higher
- > 35 to 40 feet higher
- > 30 to 35 feet higher
- > 25 to 30 feet higher
- > 20 to 25 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
- > 15 to 20 feet lower
- > 20 to 25 feet lower
- > 25 to 30 feet lower
- > 30 to 35 feet lower
- > 35 to 40 feet lower
- > 40 feet lower

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	3.1
Maximum Decrease GWE (ft)	-23.8
Average Change GWE (ft)	-7.8
Average Well Depth (ft)	220
Number of Wells Monitored	46

**NOTES**

Note 1: A positive number indicates that groundwater elevations were higher in the current year than in 2011. A negative number indicates that groundwater elevations were lower in the current year than in 2011.

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. Some wells may not 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 depths greater than 100 ft and less than 450 ft at similar dates of different years.

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 is interpolated from these measurements and should be considered approximate. The accuracy of the estimated contour is directly related to the timing of the measurements, spacing and the distribution of nearby monitoring wells, well construction, and aquifer characteristics.

Note 6: GWE - Groundwater Elevation  
bgs - below ground surface

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**NORTHERN SACRAMENTO VALLEY  
CHANGE IN GROUNDWATER ELEVATION MAP  
SUMMER 2011 TO SUMMER 2016  
100 to 450 ft WELL DEPTHS**  
(Well depths greater than 100 ft and less than 450 ft deep bgs)

**PLATE 2C-C**  
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