

Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	16.5
Maximum Decrease GWE (ft)	-6.6
Average Change GWE (ft)	0.9
Average Well Depth (ft)	277
Number of Wells Monitored	10

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-5.6
Average Change GWE (ft)	-4.1
Average Well Depth (ft)	318
Number of Wells Monitored	6

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	2.2
Maximum Decrease GWE (ft)	-33.6
Average Change GWE (ft)	-12.7
Average Well Depth (ft)	250
Number of Wells Monitored	52

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-57.2
Average Change GWE (ft)	-18.1
Average Well Depth (ft)	236
Number of Wells Monitored	50

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-40.6
Average Change GWE (ft)	-14.4
Average Well Depth (ft)	258
Number of Wells Monitored	23

Summary Results for Fall 2004 to Fall 2014 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	16.5
Maximum Decrease GWE (ft)	-57.2
Average Change GWE (ft)	-12.6
Average Well Depth (ft)	253
Number of Wells Monitored	168

Monitoring Well

County Boundaries

Redding GW Basin

Sacramento Valley GW Basin

5010

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)	3.0
Maximum Decrease GWE (ft)	-22.3
Average Change GWE (ft)	-7.4
Average Well Depth (ft)	261
Number of Wells Monitored	27

NOTES

Note 1:

Note 2:

Note 3:

Note 4:

Note 5:

Note 6:

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.

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.

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.

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.

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.

GWE - Groundwater Elevation
bgs - below ground surface