

Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	17.7
Maximum Decrease GWE (ft)	-6.5
Average Change GWE (ft)	4.2
Average Well Depth (ft)	221
Number of Wells Monitored	13

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	8.1
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	4.2
Average Well Depth (ft)	232
Number of Wells Monitored	7

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	13.1
Maximum Decrease GWE (ft)	-14.5
Average Change GWE (ft)	1.4
Average Well Depth (ft)	258
Number of Wells Monitored	54

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	29.2
Maximum Decrease GWE (ft)	-17.4
Average Change GWE (ft)	4.5
Average Well Depth (ft)	238
Number of Wells Monitored	52

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWE(ft)	24.4
Maximum Decrease GWE (ft)	-9.5
Average Change GWE (ft)	4.0
Average Well Depth (ft)	264
Number of Wells Monitored	30

Summary Results for Summer 2015 to Summer 2016 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	29.2
Maximum Decrease GWE (ft)	-17.4
Average Change GWE (ft)	3.2
Average Well Depth (ft)	245
Number of Wells Monitored	201

Monitoring Well

County Boundaries

Redding GW Basin

Sacramento Valley GW Basin

50510

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)	17.3
Maximum Decrease GWE (ft)	-6.1
Average Change GWE (ft)	2.7
Average Well Depth (ft)	231
Number of Wells Monitored	45

- NOTES
- Note 1:

A positive number indicates that groundwater elevations were higher in the current year than in the previous year. A negative number indicates that groundwater elevations were lower in the current year than in the previous year.
- 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 that have screened intervals 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 2015 TO SUMMER 2016  
100 to 450 ft Well Depths  
(Well depths greater than 100 ft and less than 450 ft deep bgs)

PLATE 2C-A

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