

Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-10.9
Average Change GWE (ft)	-4.2
Average Well Depth (ft)	391
Number of Wells Monitored	5

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-2.6
Average Change GWE (ft)	-1.7
Average Well Depth (ft)	335
Number of Wells Monitored	4

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	5.4
Maximum Decrease GWE (ft)	-9.9
Average Change GWE (ft)	-2.0
Average Well Depth (ft)	398
Number of Wells Monitored	27

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	39.7
Maximum Decrease GWE (ft)	-23.3
Average Change GWE (ft)	-2.9
Average Well Depth (ft)	437
Number of Wells Monitored	39

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWE(ft)	2.5
Maximum Decrease GWE (ft)	-30.9
Average Change GWE (ft)	-6.0
Average Well Depth (ft)	398
Number of Wells Monitored	22

Summary Results for Fall 2014 to Fall 2015 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	39.7
Maximum Decrease GWE (ft)	-30.9
Average Change GWE (ft)	-3.3
Average Well Depth (ft)	424
Number of Wells Monitored	120

- 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)	6
Maximum Decrease GWE (ft)	-6.9
Average Change GWE (ft)	-3.0
Average Well Depth (ft)	480
Number of Wells Monitored	23

- 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 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 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
FALL 2014 TO FALL 2015
INTERMEDIATE AQUIFER ZONE**
(Well depths generally greater than 200 ft and less than 600 ft deep bgs)

PLATE 31-A
Date: December 2015
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