Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-12.9
Average Change GWE (ft)	-5.9
Average Well Depth (ft)	126
Number of Wells Monitored	12

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-9.2
Average Change GWE (ft)	-6.0
Average Well Depth (ft)	112
Number of Wells Monitored	4

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	8.8
Maximum Decrease GWE (ft)	-38.3
Average Change GWE (ft)	-12.4
Average Well Depth (ft)	122
Number of Wells Monitored	27

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	1.6
Maximum Decrease GWE (ft)	-37.6
Average Change GWE (ft)	-11.8
Average Well Depth (ft)	128
Number of Wells Monitored	31

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-59.2
Average Change GWE (ft)	-18.3
Average Well Depth (ft)	112
Number of Wells Monitored	39

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	2.6
Maximum Decrease GWE (ft)	-34.2
Average Change GWE (ft)	-9.0
Average Well Depth (ft)	135
Number of Wells Monitored	15

Summary Results for Summer 2004 to Summer 2015 Change in Groundwater Elevation

Maximum Increase GWE (ft)	8.8
Maximum Decrease GWE (ft)	-59.2
Average Change GWE (ft)	-12.8
Average Well Depth (ft)	122
Number of Wells Monitored	128

Monitoring Well

County Boundaries

Redding GW Basin

Sacramento Valley GW Basin

N

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

SHASTA

TEHAMA

BUTTE

GLENN

COLUSA

Redding

Cottonwood

Red Bluff

Tehama

Corning

Orland

Chico

Parad

Willows

Oroville

Gridley

Live Oak

Colusa

Williams

Clearlake

Elmcom

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. 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 shallow aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are less than 200 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 SUMMER 2004 TO SUMMER 2015

SHALLOW AQUIFER ZONE

(Well depths less than 200 ft bgs)

PLATE 2S-B

Date: October 2015

BY: G. Gordon

http://www.water.ca.gov/groundwater/data_and_monitoring/northern_region/GroundwaterLevel/gw_level_monitoring.cfm

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