Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	13.3
Maximum Decrease GWE (ft)	-8.6
Average Change GWE (ft)	-2.7
Average Well Depth (ft)	245
Number of Wells Monitored	13

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-14.9
Average Change GWE (ft)	-5.8
Average Well Depth (ft)	312
Number of Wells Monitored	9

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	13.8
Maximum Decrease GWE (ft)	-67.7
Average Change GWE (ft)	-14.6
Average Well Depth (ft)	243
Number of Wells Monitored	40

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	4.7
Maximum Decrease GWE (ft)	-66.9
Average Change GWE (ft)	-19.7
Average Well Depth (ft)	219
Number of Wells Monitored	46

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	5.2
Maximum Decrease GWE (ft)	-93.8
Average Change GWE (ft)	-18.7
Average Well Depth (ft)	262
Number of Wells Monitored	22

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	0.9
Maximum Decrease GWE (ft)	-21.4
Average Change GWE (ft)	-7.5
Average Well Depth (ft)	234
Number of Wells Monitored	32

Summary Results for Summer 2004 to Summer 2014 Change in Groundwater Elevation

Maximum Increase GWE (ft)	13.8
Maximum Decrease GWE (ft)	-93.8
Average Change GWE (ft)	-13.8
Average Well Depth (ft)	242
Number of Wells Monitored	162

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

5 0 5 10 Miles

N

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 Willows Oroville Gridley Live Oak Colusa Williams

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 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 2004 TO SUMMER 2014

100 to 450 ft WELL DEPTHS

(Well depths greater than 100 ft and less than 450 ft deep bgs)

PLATE 2C-B

Date: September 2014

BY: G. Gordon

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

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2014\Summer_2014\SM_100450_new1100to450Summer2004to2014.mxd