Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	NA
Average Well Depth (ft)	NA
Number of Wells Monitored	NA

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-5.3
Average Change GWE (ft)	-4.2
Average Well Depth (ft)	687
Number of Wells Monitored	2

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-34.6
Average Change GWE (ft)	-13.0
Average Well Depth (ft)	829
Number of Wells Monitored	10

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-79.7
Average Change GWE (ft)	-40.5
Average Well Depth (ft)	923
Number of Wells Monitored	9

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-59.5
Average Change GWE (ft)	-40.3
Average Well Depth (ft)	769
Number of Wells Monitored	3

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-15.5
Average Change GWE (ft)	-11.0
Average Well Depth (ft)	800
Number of Wells Monitored	7

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

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-79.7
Average Change GWE (ft)	-22.6
Average Well Depth (ft)	835
Number of Wells Monitored	31

- 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
- > 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 Oroville Gridley Live Oak Willows Colusa Williams Yuba City Clearlake

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 deep aquifer zone at similar dates of different years. These wells include those that have depths that are greater 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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THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP SPRING 2004 TO SPRING 2015

DEEP AQUIFER ZONE

(Well depths greater than 600 ft bgs)

PLATE 1D-B

Date: May 2015

BY: G. Gordon

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2015\Spring_2015\Spr_Deep\DeepSpring2004to2015_final.mxd