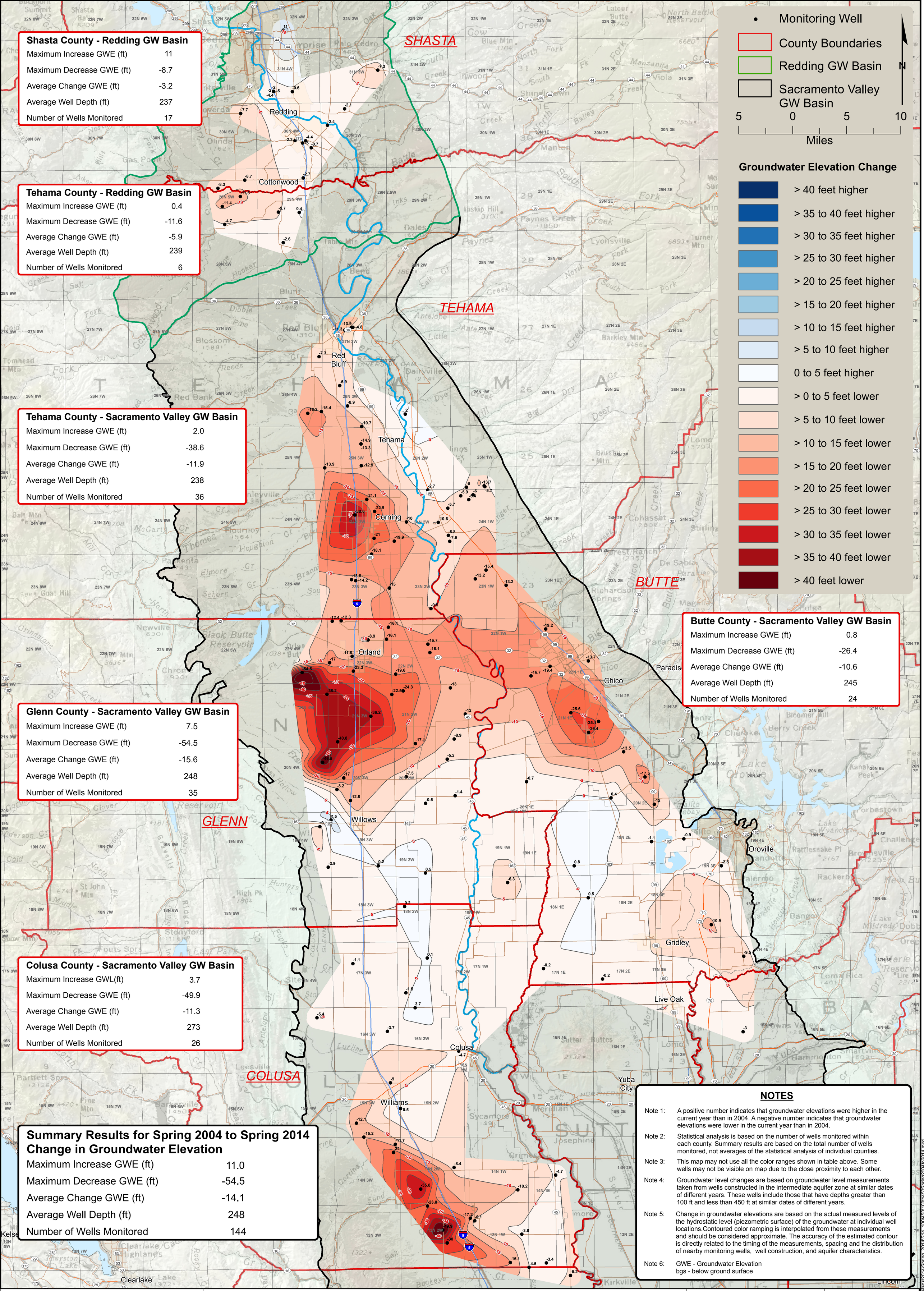

Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	11
Maximum Decrease GWE (ft)	-8.7
Average Change GWE (ft)	-3.2
Average Well Depth (ft)	237
Number of Wells Monitored	17

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	0.4
Maximum Decrease GWE (ft)	-11.6
Average Change GWE (ft)	-5.9
Average Well Depth (ft)	239
Number of Wells Monitored	6

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	2.0
Maximum Decrease GWE (ft)	-38.6
Average Change GWE (ft)	-11.9
Average Well Depth (ft)	238
Number of Wells Monitored	36

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	0.8
Maximum Decrease GWE (ft)	-26.4
Average Change GWE (ft)	-10.6
Average Well Depth (ft)	245
Number of Wells Monitored	24

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	7.5
Maximum Decrease GWE (ft)	-54.5
Average Change GWE (ft)	-15.6
Average Well Depth (ft)	248
Number of Wells Monitored	35

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	3.7
Maximum Decrease GWE (ft)	-49.9
Average Change GWE (ft)	-11.3
Average Well Depth (ft)	273
Number of Wells Monitored	26

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

Maximum Increase GWE (ft)	11.0
Maximum Decrease GWE (ft)	-54.5
Average Change GWE (ft)	-14.1
Average Well Depth (ft)	248
Number of Wells Monitored	144

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 SPRING 2004 TO SPRING 2014

100 to 450 ft WELL DEPTHS

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

PLATE 1D-B

Date: May 2014

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