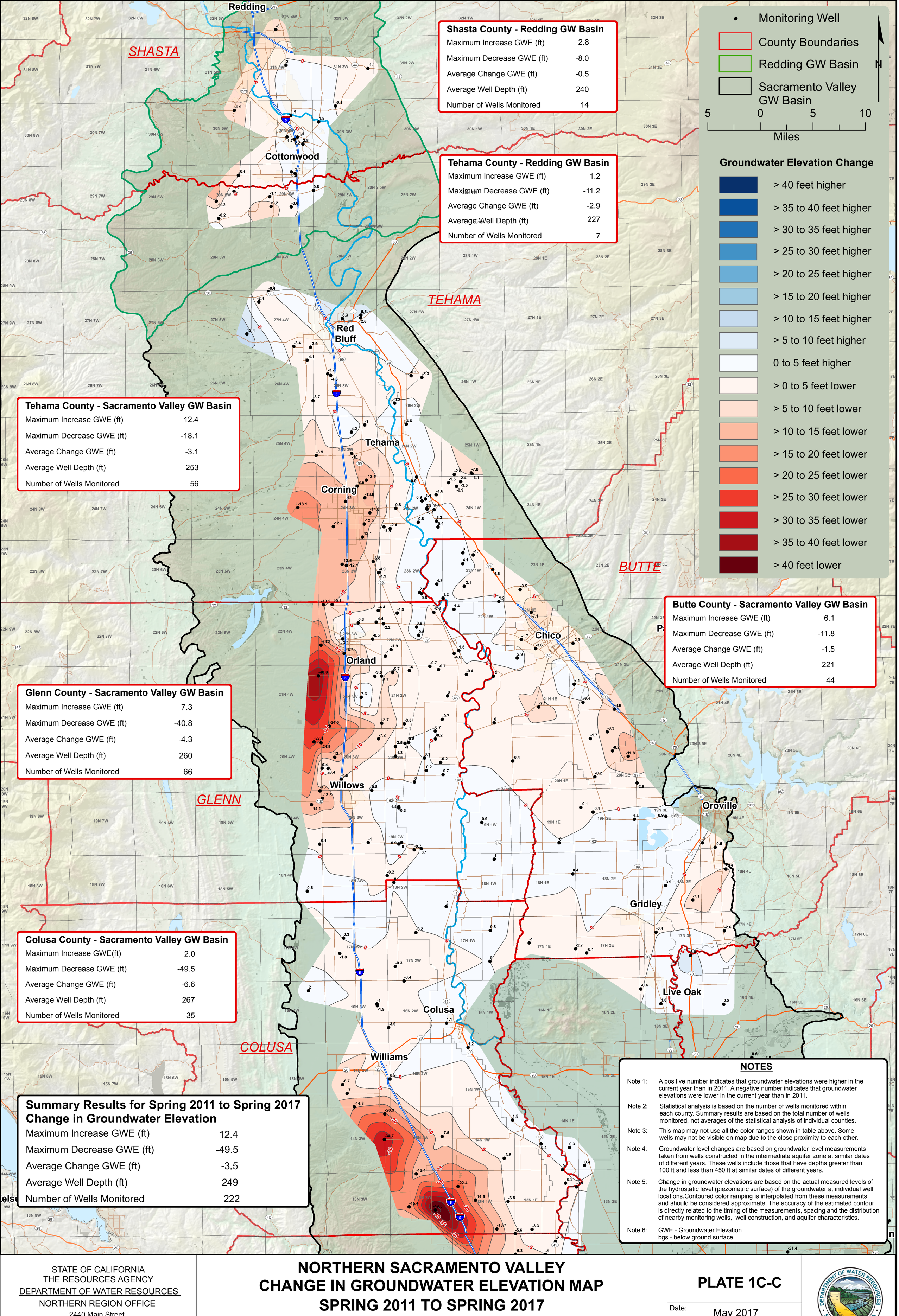

Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	2.8
Maximum Decrease GWE (ft)	-8.0
Average Change GWE (ft)	-0.5
Average Well Depth (ft)	240
Number of Wells Monitored	14

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	1.2
Maximum Decrease GWE (ft)	-11.2
Average Change GWE (ft)	-2.9
Average Well Depth (ft)	227
Number of Wells Monitored	7

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	12.4
Maximum Decrease GWE (ft)	-18.1
Average Change GWE (ft)	-3.1
Average Well Depth (ft)	253
Number of Wells Monitored	56

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	6.1
Maximum Decrease GWE (ft)	-11.8
Average Change GWE (ft)	-1.5
Average Well Depth (ft)	221
Number of Wells Monitored	44

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	7.3
Maximum Decrease GWE (ft)	-40.8
Average Change GWE (ft)	-4.3
Average Well Depth (ft)	260
Number of Wells Monitored	66

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWE(ft)	2.0
Maximum Decrease GWE (ft)	-49.5
Average Change GWE (ft)	-6.6
Average Well Depth (ft)	267
Number of Wells Monitored	35

Summary Results for Spring 2011 to Spring 2017 Change in Groundwater Elevation

Maximum Increase GWE (ft)	12.4
Maximum Decrease GWE (ft)	-49.5
Average Change GWE (ft)	-3.5
Average Well Depth (ft)	249
Number of Wells Monitored	222

NOTES

Note 1: A positive number indicates that groundwater elevations were higher in the current year than in 2011. A negative number indicates that groundwater elevations were lower in the current year than in 2011.

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 2011 TO SPRING 2017

100 to 450 ft WELL DEPTHS

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

PLATE 1C-C

Date: May 2017

BY: G. Gordon

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