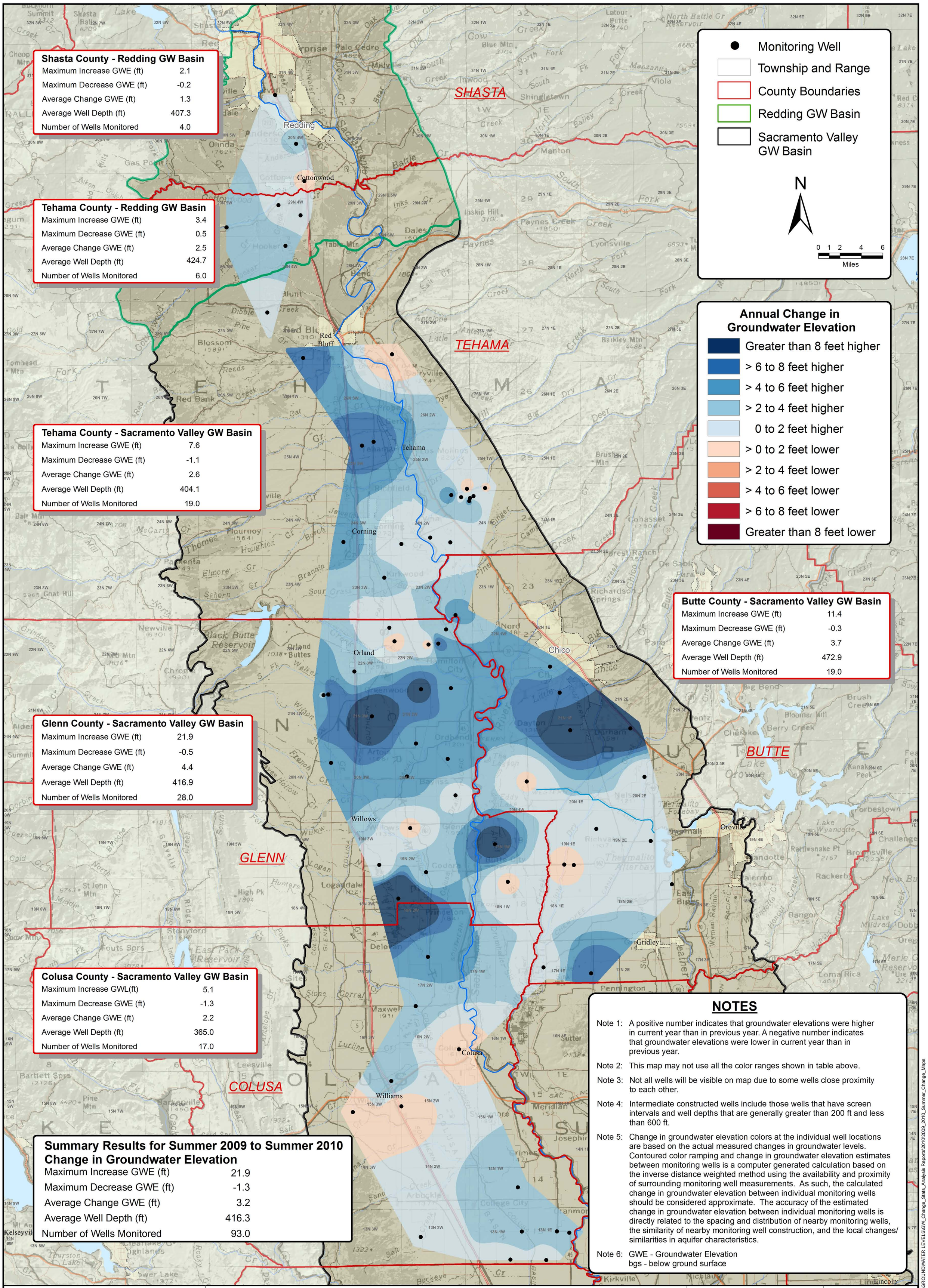

Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	2.1
Maximum Decrease GWE (ft)	-0.2
Average Change GWE (ft)	1.3
Average Well Depth (ft)	407.3
Number of Wells Monitored	4.0

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	3.4
Maximum Decrease GWE (ft)	0.5
Average Change GWE (ft)	2.5
Average Well Depth (ft)	424.7
Number of Wells Monitored	6.0

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	7.6
Maximum Decrease GWE (ft)	-1.1
Average Change GWE (ft)	2.6
Average Well Depth (ft)	404.1
Number of Wells Monitored	19.0

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	11.4
Maximum Decrease GWE (ft)	-0.3
Average Change GWE (ft)	3.7
Average Well Depth (ft)	472.9
Number of Wells Monitored	19.0

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	21.9
Maximum Decrease GWE (ft)	-0.5
Average Change GWE (ft)	4.4
Average Well Depth (ft)	416.9
Number of Wells Monitored	28.0

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	5.1
Maximum Decrease GWE (ft)	-1.3
Average Change GWE (ft)	2.2
Average Well Depth (ft)	365.0
Number of Wells Monitored	17.0

Summary Results for Summer 2009 to Summer 2010 Change in Groundwater Elevation

Maximum Increase GWE (ft)	21.9
Maximum Decrease GWE (ft)	-1.3
Average Change GWE (ft)	3.2
Average Well Depth (ft)	416.3
Number of Wells Monitored	93.0

NOTES

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

Note 2: This map may not use all the color ranges shown in table above.

Note 3: Not all wells will be visible on map due to some wells close proximity to each other.

Note 4: Intermediate constructed wells include those wells that have screen intervals and well depths that are generally greater than 200 ft and less than 600 ft.

Note 5: Change in groundwater elevation colors at the individual well locations are based on the actual measured changes in groundwater levels. Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation based on the inverse distance weighted method using the availability and proximity of surrounding monitoring well measurements. As such, the calculated change in groundwater elevation between individual monitoring wells should be considered approximate. The accuracy of the estimated change in groundwater elevation between individual monitoring wells is directly related to the spacing and distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes/ similarities in aquifer characteristics.

Note 6: GWE - Groundwater Elevation
bgs - below ground surface

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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP

SUMMER 2009 TO SUMMER 2010

INTERMEDIATE WELL DEPTH

(Generally greater than 200 ft and less than 600 ft bgs)

PLATE 2.

Date: September 2011

BY: R. Hull

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

Location: R:\Sections\DCM\BASE_DATA\GROUNDWATER LEVELS\GW_Change_Stats_Analysis Reports\2010\2009_2010_Summer_Change_Maps