

| Shasta County - Redding GW Basin |      |
|----------------------------------|------|
| Maximum Increase GWE (ft)        | 5.8  |
| Maximum Decrease GWE (ft)        | -4.7 |
| Average Change GWE (ft)          | -0.7 |
| Average Well Depth (ft)          | 232  |
| Number of Wells Monitored        | 18   |

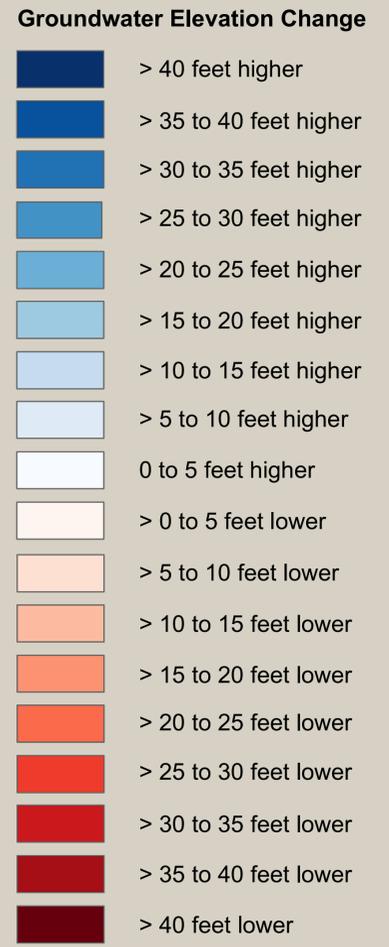
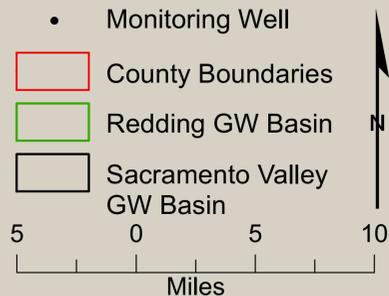
| Tehama County - Redding GW Basin |      |
|----------------------------------|------|
| Maximum Increase GWE (ft)        | 7.1  |
| Maximum Decrease GWE (ft)        | -4.8 |
| Average Change GWE (ft)          | -1.4 |
| Average Well Depth (ft)          | 226  |
| Number of Wells Monitored        | 6    |

| Tehama County - Sacramento Valley GW Basin |       |
|--|-------|
| Maximum Increase GWE (ft)                  | 6.6   |
| Maximum Decrease GWE (ft)                  | -16.5 |
| Average Change GWE (ft)                    | -3.4  |
| Average Well Depth (ft)                    | 243   |
| Number of Wells Monitored                  | 50    |

| Glenn County - Sacramento Valley GW Basin |       |
|---|-------|
| Maximum Increase GWE (ft)                 | 8.7   |
| Maximum Decrease GWE (ft)                 | -11.2 |
| Average Change GWE (ft)                   | -2.8  |
| Average Well Depth (ft)                   | 264   |
| Number of Wells Monitored                 | 56    |

| Colusa County - Sacramento Valley GW Basin |       |
|--|-------|
| Maximum Increase GWE (ft)                  | 4.1   |
| Maximum Decrease GWE (ft)                  | -21.0 |
| Average Change GWE (ft)                    | -3.0  |
| Average Well Depth (ft)                    | 278   |
| Number of Wells Monitored                  | 39    |

| Summary Results for Spring 2013 to Spring 2014<br>Change in Groundwater Elevation |       |
|---|-------|
| Maximum Increase GWE (ft)   | 8.7   |
| Maximum Decrease GWE (ft)   | -21.0 |
| Average Change GWE (ft)   | -2.8  |
| Average Well Depth (ft)   | 257   |
| Number of Wells Monitored   | 205   |



| Butte County - Sacramento Valley GW Basin |       |
|---|-------|
| Maximum Increase GWE (ft)                 | 1.5   |
| Maximum Decrease GWE (ft)                 | -10.1 |
| Average Change GWE (ft)                   | -3.3  |
| Average Well Depth (ft)                   | 257   |
| Number of Wells Monitored                 | 36    |

**NOTES**

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

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 that have screened intervals greater than 100 ft and less than 400 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 2013 TO SPRING 2014  
100 to 450 ft Well DEPTHS**  
(Well depths greater than 100 ft and less than 450 ft deep bgs)

**PLATE 1D-A**

Date: May 2014  
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