| Shasta County - Redding GW Basin | |
|---|---|
| Maximum Increase GWE (ft) | 1.8 |
| Maximum Decrease GWE (ft) | -1.6 |
| Average Change GWE (ft) | 0.1 |
| Average Well Depth (ft) | 385.0 |
| Number of Wells Monitored | 2.0 |

| Tehama County - Redding GW Basin | |
|---|---|
| Maximum Increase GWE (ft) | 3.0 |
| Maximum Decrease GWE (ft) | -4.6 |
| Average Change GWE (ft) | -1.5 |
| Average Well Depth (ft) | 416.3 |
| Number of Wells Monitored | 6.0 |

| Tehama County - Sacramento Valley GW Basin | |
|---|---|
| Maximum Increase GWE (ft) | 2.8 |
| Maximum Decrease GWE (ft) | -8.2 |
| Average Change GWE (ft) | -3.3 |
| Average Well Depth (ft) | 397.2 |
| Number of Wells Monitored | 25.0 |

| Glenn County - Sacramento Valley GW Basin | |
|---|---|
| Maximum Increase GWE (ft) | 3.3 |
| Maximum Decrease GWE (ft) | -43.5 |
| Average Change GWE (ft) | -6.2 |
| Average Well Depth (ft) | 432.4 |
| Number of Wells Monitored | 29.0 |

| Colusa County - Sacramento Valley GW Basin | |
|---|---|
| Maximum Increase GWL(ft) | 11.9 |
| Maximum Decrease GWE (ft) | -17.4 |
| Average Change GWE (ft) | -0.7 |
| Average Well Depth (ft) | 410.6 |
| Number of Wells Monitored | 22.0 |

| Butte County - Sacramento Valley GW Basin | |
|---|---|
| Maximum Increase GWE (ft) | 1.3 |
| Maximum Decrease GWE (ft) | -14.8 |
| Average Change GWE (ft) | -4.0 |
| Average Well Depth (ft) | 482.9 |
| Number of Wells Monitored | 14.0 |

| Summary Results for Spring 2004 to Spring 2011 Change in Groundwater Elevation | |
|---|---|
| Maximum Increase GWE (ft) | 11.9 |
| Maximum Decrease GWE (ft) | -43.5 |
| Average Change GWE (ft) | -3.5 |
| Average Well Depth (ft) | 423.8 |
| Number of Wells Monitored | 98 |

- Monitoring Well
- Township and Range
- County Boundaries
- Redding GW Basin
- Sacramento Valley GW Basin

N

0 1 2 4 6
Miles

**Annual Change in Groundwater Elevation**

- Greater than 20 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
- > 15 to 20 feet lower
- Greater than 20 feet lower

SHASTA
TEHAMA
BUTTE
GLENN
COLUSA

Redding, Cottonwood, Red Bluff, Tehama, Corning, Orlando, Chico, Willows, Oroville, Gridley, Colusa, Williams

## NOTES

Note 1: A positive number indicates that groundwater elevations were higher in current year than in 2004. A negative number indicates that groundwater elevations were lower in current year than in 2004.

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

SPRING 2004 TO SPRING 2011

## 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\2011\2004_2011_Spring