Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-11.0
Average Change GWE (ft)	-4.9
Average Well Depth (ft)	243
Number of Wells Monitored	15

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-9.7
Average Change GWE (ft)	-5.3
Average Well Depth (ft)	215
Number of Wells Monitored	5

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	0.6
Maximum Decrease GWE (ft)	-55.1
Average Change GWE (ft)	-12.9
Average Well Depth (ft)	271
Number of Wells Monitored	50

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	3.3
Maximum Decrease GWE (ft)	-45.5
Average Change GWE (ft)	-15.8
Average Well Depth (ft)	256
Number of Wells Monitored	72

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	0.1
Maximum Decrease GWE (ft)	-30.8
Average Change GWE (ft)	-9.5
Average Well Depth (ft)	221
Number of Wells Monitored	44

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-44.8
Average Change GWE (ft)	-13.7
Average Well Depth (ft)	266
Number of Wells Monitored	34

Summary Results for Fall 2011 to Fall 2015 Change in Groundwater Elevation

Maximum Increase GWE (ft)	3.3
Maximum Decrease GWE (ft)	-55.1
Average Change GWE (ft)	-12.6
Average Well Depth (ft)	252
Number of Wells Monitored	221

- Monitoring Well
- County Boundaries
- Redding GW Basin
- Sacramento Valley GW Basin

N

5 0 5 10

Miles

Groundwater Elevation Change

- > 40 feet higher
- > 35 to 40 feet higher
- > 30 to 35 feet higher
- > 25 to 30 feet higher
- > 20 to 25 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
- > 20 to 25 feet lower
- > 25 to 30 feet lower
- > 30 to 35 feet lower
- > 35 to 40 feet lower
- > 40 feet lower

SHASTA TEHAMA BUTTE GLENN COLUSA

Redding Cottonwood Red Bluff Tehama Corning Orland Chico Paradise Willows Oroville Gridley Live Oak Colusa Williams Clearlake Lincoln

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 FALL 2011 TO FALL 2015

100 to 450 ft WELL DEPTHS

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

PLATE 3C-C

Date: November 2015

BY: G. Gordon

Path: \agsipn\EntGIS\gw_gis\GW_GIS\Projects\NRO\ChangeMaps\Fall2015\Fall15_100450\Fall15_100450\Fall2011to2015_FINAL.mxd

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