Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	9.6
Maximum Decrease GWE (ft)	-3.6
Average Change GWE (ft)	-0.3
Average Well Depth (ft)	248
Number of Wells Monitored	17

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	0.3
Maximum Decrease GWE (ft)	-2.2
Average Change GWE (ft)	-0.9
Average Well Depth (ft)	315
Number of Wells Monitored	8

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	7.0
Maximum Decrease GWE (ft)	-27.9
Average Change GWE (ft)	-4.0
Average Well Depth (ft)	263
Number of Wells Monitored	68

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	1.2
Maximum Decrease GWE (ft)	-77.7
Average Change GWE (ft)	-7.7
Average Well Depth (ft)	267
Number of Wells Monitored	88

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	2.4
Maximum Decrease GWE (ft)	-28.6
Average Change GWE (ft)	-7.3
Average Well Depth (ft)	286
Number of Wells Monitored	49

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	1.7
Maximum Decrease GWE (ft)	-16.8
Average Change GWE (ft)	-2.4
Average Well Depth (ft)	279
Number of Wells Monitored	50

Summary Results for Fall 2013 to Fall 2014 Change in Groundwater Elevation

Maximum Increase GWE (ft)	9.6
Maximum Decrease GWE (ft)	-77.7
Average Change GWE (ft)	-5.2
Average Well Depth (ft)	272
Number of Wells Monitored	280

- 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

Willows

Chico

Oroville

Gridley

Live Oak

Yuba City

Williams

Lincoln

Clearlake

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 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 2013 TO FALL 2014

100 to 450 ft Well Depths

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

PLATE 3C-A

Date: November 2014

BY: G. Gordon

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2014\Fall_2014\FL_100450\100to450Fall2013to2014.mxd

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