Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-1.6
Average Change GWE (ft)	-1.6
Average Well Depth (ft)	917
Number of Wells Monitored	1

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-0.9
Average Change GWE (ft)	-0.7
Average Well Depth (ft)	750
Number of Wells Monitored	3

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	6.0
Maximum Decrease GWE (ft)	-15.1
Average Change GWE (ft)	-4.7
Average Well Depth (ft)	880
Number of Wells Monitored	15

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	16.7
Maximum Decrease GWE (ft)	-26.9
Average Change GWE (ft)	-3.7
Average Well Depth (ft)	1039
Number of Wells Monitored	23

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-42.2
Average Change GWE (ft)	-11.6
Average Well Depth (ft)	769
Number of Wells Monitored	11

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	10.7
Maximum Decrease GWE (ft)	-16.8
Average Change GWE (ft)	-1.7
Average Well Depth (ft)	841
Number of Wells Monitored	21

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

Maximum Increase GWE (ft)	16.7
Maximum Decrease GWE (ft)	-42.2
Average Change GWE (ft)	-4.4
Average Well Depth (ft)	897
Number of Wells Monitored	74

- 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

Oroville

Gridley

Live Oak

Willows

Williams

Colusa

Yuba City

Clearlake

Lincoln

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 constructed in the deep aquifer zone at similar dates of different years. These wells include those that have depths that are greater than 600 ft.

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

DEEP AQUIFER ZONE

(Well depths deeper than 600 ft bgs)

PLATE 3D-A

Date: December 2014

BY: G. Gordon

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2014\Fall_2014\FL_DeepDeep-Fall2013t2014_modifiedSQL.mxd