Shasta County - Redding GW Basin

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

Tehama County - Redding GW Basin

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

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-34.6
Average Change GWE (ft)	-10.9
Average Well Depth (ft)	834
Number of Wells Monitored	9

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-79.7
Average Change GWE (ft)	-44.3
Average Well Depth (ft)	948
Number of Wells Monitored	8

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-12.7
Average Change GWE (ft)	-10.5
Average Well Depth (ft)	857
Number of Wells Monitored	5

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-59.5
Average Change GWE (ft)	-59.5
Average Well Depth (ft)	704
Number of Wells Monitored	1

Summary Results for Fall 2004 to Fall 2014 Change in Groundwater Elevation

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-79.7
Average Change GWE (ft)	-24.5
Average Well Depth (ft)	873
Number of Wells Monitored	23

- 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
Yuba City
Williams
Clearlake

NOTES

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

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 screened intervals and well 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

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
NORTHERN REGION OFFICE
2440 Main Street
Red Bluff, California 96080
(530) 529-7300

NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP FALL 2004 TO FALL 2014

DEEP AQUIFER ZONE

(Well depths greater than 600 ft bgs)

PLATE2D-B

Date: November 2014

BY: G. Gordon

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

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2014\Fall_2014\FL_DeepDeepFall2004to2014.mxd