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	0

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	0

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-23.5
Average Change GWE (ft)	-6.3
Average Well Depth (ft)	832
Number of Wells Monitored	8

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-72.0
Average Change GWE (ft)	-39.6
Average Well Depth (ft)	857
Number of Wells Monitored	7

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-40.4
Average Change GWE (ft)	-23.2
Average Well Depth (ft)	748
Number of Wells Monitored	5

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-12.7
Average Change GWE (ft)	-9.1
Average Well Depth (ft)	834
Number of Wells Monitored	4

Summary Results for Summerl 2004 to Summer 2013
Change in Groundwater Elevation

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-72.0
Average Change GWE (ft)	-20.0
Average Well Depth (ft)	822
Number of Wells Monitored	24

Monitoring Well
County Boundaries
Redding GW Basin
Sacramento Valley GW Basin

N

0 1 2 4 6
Miles

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

Redding
Cottonwood
Red Bluff
Tehama
Corning
Orland
Chico
Paradise
Willows
Oroville
Gridley
Live Oak
Colusa
Williams
SHASTA
TEHAMA
BUTTE
GLENN
COLUSA
29R2
11B3
32P3
34N3
05Q4
12P2
29Q3
29N4
10E1
15C2
24E1
30H2
16J1
24B1
33M1
09L1
18R5
18L1
02E1
05B1
14Q3
13P1
22A1
32K2
06D2
03R1
07N1
16A1

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 notl 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 generally greater than 600 ft.

Note 5: Change in groundwater elevations are based on the actual measured levels of the hydrostatic level (piezometric surface) of thegroundwater at individual well locations. Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation 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 contour is directly related to the spacing and the distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes or similarities in aquifer characteristics.

Note 6: GWE - Groundwater Elevation
bgs - below ground surface

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DEPARTMENT OF WATER RESOURCES
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NORTHERN SACRAMENTO VALLEY
CHANGE IN GROUNDWATER ELEVATION MAP
SUMMER 2004 TO SUMMER 2013
DEEP AQUIFER ZONE
(Well with screen intervals and well depths generally greater than 600 ft bgs)

PLATE 2D-B

Date: December 2013

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\2013\Summer_2013\Sum13_Deep\DeepSummperl2004to2013.mxd