Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	6.8
Maximum Decrease GWE (ft)	-4.2
Average Change GWE (ft)	4.3
Average Well Depth (ft)	307
Number of Wells Monitored	6

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-2.8
Average Change GWE (ft)	-2.7
Average Well Depth (ft)	309
Number of Wells Monitored	2

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-20.1
Average Change GWE (ft)	-7.9
Average Well Depth (ft)	426
Number of Wells Monitored	19

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	1.2
Maximum Decrease GWE (ft)	-40.2
Average Change GWE (ft)	-14.5
Average Well Depth (ft)	431
Number of Wells Monitored	24

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-39.1
Average Change GWE (ft)	-16.0
Average Well Depth (ft)	381
Number of Wells Monitored	10

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	4.7
Maximum Decrease GWE (ft)	-21.8
Average Change GWE (ft)	-6.5
Average Well Depth (ft)	493
Number of Wells Monitored	10

Summary Results for Fall 2004 to Fall 2013
Change in Groundwater Elevation

Maximum Increase GWE (ft)	6.8
Maximum Decrease GWE (ft)	-40.2
Average Change GWE (ft)	-9.9
Average Well Depth (ft)	417
Number of Wells Monitored	71

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

SHASTA
TEHAMA
BUTTE
GLENN
COLUSA

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

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 intermediate aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are generally greater than 200 ft and less 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 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

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 2013
INTERMEDIATE AQUIFER ZONE
(Well depths generally greater than 200 ft deep and less than 600 ft deep bgs)

PLATE 3I-B

Date: November 2013

BY: G. Gordon

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2013\Fall_2013\F3_IntermediateIntermediateFall2004to2013.mxd