Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-16.7
Average Change GWE (ft)	-4.7
Average Well Depth (ft)	237
Number of Wells Monitored	14

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-12.3
Average Change GWE (ft)	-6.1
Average Well Depth (ft)	259
Number of Wells Monitored	7

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	8.1
Maximum Decrease GWE (ft)	-24.5
Average Change GWE (ft)	-8.5
Average Well Depth (ft)	263
Number of Wells Monitored	53

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	0.6
Maximum Decrease GWE (ft)	-16.5
Average Change GWE (ft)	-7.5
Average Well Depth (ft)	248
Number of Wells Monitored	52

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-47.5
Average Change GWE (ft)	-11.5
Average Well Depth (ft)	268
Number of Wells Monitored	86

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	3.5
Maximum Decrease GWE (ft)	-32.6
Average Change GWE (ft)	-9.8
Average Well Depth (ft)	288
Number of Wells Monitored	48

Summary Results for Spring 2011 to Spring 2015 Change in Groundwater Elevation

Maximum Increase GWE (ft)	8.1
Maximum Decrease GWE (ft)	-47.5
Average Change GWE (ft)	-9.3
Average Well Depth (ft)	264
Number of Wells Monitored	260

- 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

Colusa

Williams

Yuba City

Willows

Clearlake

NOTES

Note 1: A positive number indicates that groundwater elevations were higher in the current year than in 2011. A negative number indicates that groundwater elevations were lower in the current year than in 2011.

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 depths 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

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
SPRING 2011 TO SPRING 2015
100 to 450 ft WELL DEPTHS
(Well depths greater than 100 ft and less than 450 ft deep bgs)

PLATE 1C-C

Date: May 2015

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\2015\Spring_2015\Spr_100450100to450Spring2011to2015_final.mxd