Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-6.1
Average Change GWE (ft)	-2.2
Average Well Depth (ft)	126
Number of Wells Monitored	11

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	2.9
Maximum Decrease GWE (ft)	-11.4
Average Change GWE (ft)	-3.7
Average Well Depth (ft)	129
Number of Wells Monitored	5

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	8.1
Maximum Decrease GWE (ft)	-21.6
Average Change GWE (ft)	-6.3
Average Well Depth (ft)	119
Number of Wells Monitored	39

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	1.0
Maximum Decrease GWE (ft)	-38.0
Average Change GWE (ft)	-13.1
Average Well Depth (ft)	116
Number of Wells Monitored	57

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	1.5
Maximum Decrease GWE (ft)	-36.8
Average Change GWE (ft)	6.1
Average Well Depth (ft)	132
Number of Wells Monitored	22

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	2.5
Maximum Decrease GWE (ft)	-15.9
Average Change GWE (ft)	-5.3
Average Well Depth (ft)	133
Number of Wells Monitored	41

Summary Results for Spring 2011 to Spring 2016 Change in Groundwater Elevation

Maximum Increase GWE (ft)	8.1
Maximum Decrease GWE (ft)	-36.8
Average Change GWE (ft)	-6.8
Average Well Depth (ft)	123
Number of Wells Monitored	174

- 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 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 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 shallow aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are less than 200 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 SPRING 2011 TO SPRING 2016

SHALLOW AQUIFER ZONE

(Well depths less than 200 ft bgs)

PLATE 1S-C

Date: May 2016

BY: G. Gordon

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

Path: \\asgisprd\EntGIS\gw_gis\GW_GIS\Projects\NRO\ChangeMaps\Spring2016\Spring16_Shallow\Spring16_Shallow\ShallowSpring2011to2016_Final.mxd