Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	7.3
Maximum Decrease GWE (ft)	-0.1
Average Change GWE (ft)	1.9
Average Well Depth (ft)	131
Number of Wells Monitored	14

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	3.3
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	1.7
Average Well Depth (ft)	129
Number of Wells Monitored	5

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	10.8
Maximum Decrease GWE (ft)	-9.9
Average Change GWE (ft)	0.8
Average Well Depth (ft)	120
Number of Wells Monitored	46

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	11.2
Maximum Decrease GWE (ft)	-10.2
Average Change GWE (ft)	0.0
Average Well Depth (ft)	115
Number of Wells Monitored	53

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	10.8
Maximum Decrease GWE (ft)	-13.4
Average Change GWE (ft)	0.3
Average Well Depth (ft)	129
Number of Wells Monitored	22

Summary Results for Spring 2015 to Spring 2016 Change in Groundwater Elevation

Maximum Increase GWE (ft)	11.2
Maximum Decrease GWE (ft)	-13.4
Average Change GWE (ft)	0.7
Average Well Depth (ft)	124
Number of Wells Monitored	184

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	8.7
Maximum Decrease GWE (ft)	-3.5
Average Change GWE (ft)	1.0
Average Well Depth (ft)	134
Number of Wells Monitored	44

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

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

SHASTA
TEHAMA
BUTTE
GLENN
COLUSA

NOTES

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

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

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THE RESOURCES AGENCY
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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP SPRING 2015 TO SPRING 2016

SHALLOW AQUIFER ZONE

(Well depths less than 200 ft bgs)

PLATE 1S-A

Date: May 2016

BY: G. Gordon

Path: \\agsisprr\EntGIS\gw_gis\GW_GIS\Projects\NRO\ChangeMaps\Spring2016\Spring16_Shallow\ShallowSpring2015to2016_Final.mxd