Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	2.8
Maximum Decrease GWE (ft)	-10.9
Average Change GWE (ft)	-1.1
Average Well Depth (ft)	239
Number of Wells Monitored	17

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-3.3
Average Change GWE (ft)	-1.3
Average Well Depth (ft)	224
Number of Wells Monitored	6

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	9.1
Maximum Decrease GWE (ft)	-7.4
Average Change GWE (ft)	-1.5
Average Well Depth (ft)	262
Number of Wells Monitored	58

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	48.4
Maximum Decrease GWE (ft)	-13.6
Average Change GWE (ft)	-0.9
Average Well Depth (ft)	257
Number of Wells Monitored	73

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	3.2
Maximum Decrease GWE (ft)	-20.6
Average Change GWE (ft)	-2.3
Average Well Depth (ft)	268
Number of Wells Monitored	37

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	2.5
Maximum Decrease GWE (ft)	-7.7
Average Change GWE (ft)	-1.8
Average Well Depth (ft)	234
Number of Wells Monitored	45

Summary Results for Fall 2014 to Fall 2015 Change in Groundwater Elevation

Maximum Increase GWE (ft)	48.4
Maximum Decrease GWE (ft)	-20.6
Average Change GWE (ft)	-1.5
Average Well Depth (ft)	253
Number of Wells Monitored	236

Monitoring Well
County Boundaries
Redding GW Basin
Sacramento Valley GW Basin

N

4.5 0 4.5 9
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
Parad
Willows
Oroville
Gridley
Live Oak
Colusa
Williams
Clearlake
Lincoln

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 that have screened intervals 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

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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP FALL 2014 TO FALL 2015

100 to 450 ft Well Depths

(Well depths greater than 100 ft and less than 450 ft deep bgs)

PLATE 3C-A

Date: November 2015

BY: G. Gordon

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

Path: \\asgisprn\EntGIS\gw_gis\GW_GIS\Projects\NRO\ChangeMaps\Fall2015\Fall15_100t450\Fall15_100t450\Fall2014to2015_FINAL.mxd