Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	2.1
Maximum Decrease GWE (ft)	-9.7
Average Change GWE (ft)	-1.3
Average Well Depth (ft)	319
Number of Wells Monitored	10

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-12.1
Average Change GWE (ft)	-4.5
Average Well Depth (ft)	458
Number of Wells Monitored	5

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	2.2
Maximum Decrease GWE (ft)	-12.5
Average Change GWE (ft)	-3.3
Average Well Depth (ft)	395
Number of Wells Monitored	41

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	1.2
Maximum Decrease GWE (ft)	-12.2
Average Change GWE (ft)	-3.3
Average Well Depth (ft)	415
Number of Wells Monitored	46

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWL(ft)	1.4
Maximum Decrease GWE (ft)	-8.9
Average Change GWE (ft)	-2.1
Average Well Depth (ft)	379
Number of Wells Monitored	28

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	8.7
Maximum Decrease GWE (ft)	-6.8
Average Change GWE (ft)	-1.4
Average Well Depth (ft)	451
Number of Wells Monitored	39

Summary Results for Spring 2012 to Spring 2013 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	8.7
Maximum Decrease GWE (ft)	-12.5
Average Change GWE (ft)	-2.6
Average Well Depth (ft)	408
Number of Wells Monitored	169

Monitoring Well

County Boundaries

Redding GW Basin

Sacramento Valley GW Basin

N

0 1 2 4 6

Miles

Change in Groundwater Elevation

- Greater than 8 feet higher
- > 6 to 8 feet higher
- > 4 to 6 feet higher
- > 2 to 4 feet higher
- 0 to 2 feet higher
- > 0 to 2 feet lower
- > 4 to 6 feet lower
- > 6 to 8 feet lower
- Greater than 8 feet lower

SHASTA

TEHAMA

BUTTE

GLENN

COLUSA

Redding

Cottonwood

Red Bluff

Tehama

Corning

Paradise

Chico

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 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 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 SPRING 2012 TO SPRING 2013

INTERMEDIATE AQUIFER ZONE

(Wells generally greater than 200 ft deep and less than 600 ft deep bgs)

PLATE 1I-A

Date: July 2013

BY: G. Gordon

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

Path: R:\Sections\DCW\CHANGE_MAP\2013\2012_2013_SpringArcMap\Intermediate Wells_Spring 2012_2013.mxd