Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	8.8
Maximum Decrease GWE (ft)	0.9
Average Change GWE (ft)	2.7
Average Well Depth (ft)	145.0
Number of Wells Monitored	15.0

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	10.3
Maximum Decrease GWE (ft)	0.5
Average Change GWE (ft)	2.8
Average Well Depth (ft)	152.0
Number of Wells Monitored	7.0

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	8.5
Maximum Decrease GWE (ft)	-1.6
Average Change GWE (ft)	1.4
Average Well Depth (ft)	124.0
Number of Wells Monitored	61.0

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	8.9
Maximum Decrease GWE (ft)	-8.4
Average Change GWE (ft)	1.8
Average Well Depth (ft)	128.0
Number of Wells Monitored	73.0

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWL(ft)	9.4
Maximum Decrease GWE (ft)	-2.0
Average Change GWE (ft)	1.1
Average Well Depth (ft)	139.0
Number of Wells Monitored	23.0

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	8.3
Maximum Decrease GWE (ft)	-0.9
Average Change GWE (ft)	2.4
Average Well Depth (ft)	146.0
Number of Wells Monitored	56.0

Summary Results for Spring 2010 to Spring 2011 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	10.3
Maximum Decrease GWE (ft)	-8.4
Average Change GWE (ft)	1.9
Average Well Depth (ft)	134.0
Number of Wells Monitored	235.0

Monitoring Well

Township and Range

County Boundaries

Redding GW Basin

Sacramento Valley GW Basin

N

0 1 2 4 6

Miles

Annual 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
- > 2 to 4 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

Orland

Chico

Willows

Oroville

Gridley

Colusa

Williams

NOTES

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

Note 2: This map may not use all the color ranges shown in table above.

Note 3: Not all wells will be visible on map due to some wells close proximity to each other.

Note 4: Shallow constructed wells include those wells that have screen intervals and well depths that are generally 200 ft or less.

Note 5: Change in groundwater elevation colors at the individual well locations are based on the actual measured changes in groundwater levels. Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation based on the inverse distance weighted method 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 change in groundwater elevation between individual monitoring wells is directly related to the spacing and distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes/ 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
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Red Bluff, California 96080
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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP

SPRING 2010 TO SPRING 2011

SHALLOW WELL DEPTH

(Generally less than 200 ft bgs)

PLATE 1.

Date: September 2011

BY: R. Hull

DEPARTMENT OF WATER RESOURCES STATE OF CALIFORNIA

Location: R:\Sections\DCM\BASE_DATA\GROUNDWATER LEVELS\GW_Change_Stats_Analysis Reports\2011\2010_2011_Spring

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