Shasta County - Redding GW Basin

Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	NA
Average Well Depth (ft)	NA
Number of Wells Monitored	0.0

Tehama County - Redding GW Basin

Maximum Increase GWE (ft)	2.1
Maximum Decrease GWE (ft)	2.1
Average Change GWE (ft)	2.1
Average Well Depth (ft)	865.0
Number of Wells Monitored	1.0

Tehama County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	3.4
Maximum Decrease GWE (ft)	-1.9
Average Change GWE (ft)	1.0
Average Well Depth (ft)	849.8
Number of Wells Monitored	14.0

Glenn County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	24.1
Maximum Decrease GWE (ft)	-4.9
Average Change GWE (ft)	6.6
Average Well Depth (ft)	860.1
Number of Wells Monitored	18.0

Colusa County - Sacramento Valley GW Basin

Maximum Increase GWL(ft)	5.3
Maximum Decrease GWE (ft)	1.0
Average Change GWE (ft)	3.0
Average Well Depth (ft)	762.7
Number of Wells Monitored	6.0

Summary Results for Summer 2010 to Summer 2011
Change in Groundwater Elevation

Maximum Increase GWE (ft)	29.2
Maximum Decrease GWE (ft)	-4.9
Average Change GWE (ft)	4.2
Average Well Depth (ft)	843.5
Number of Wells Monitored	52

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

Butte County - Sacramento Valley GW Basin

Maximum Increase GWE (ft)	29.2
Maximum Decrease GWE (ft)	-1.1
Average Change GWE (ft)	5.1
Average Well Depth (ft)	849.2
Number of Wells Monitored	13.0

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: Deep constructed wells include those wells that have screen intervals and well depths that are generally 600 ft or more.

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

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THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
NORTHERN REGION OFFICE
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NORTHERN SACRAMENTO VALLEY
CHANGE IN GROUNDWATER ELEVATION MAP
SUMMER 2009 TO SUMMER 2010
DEEP WELL DEPTH
(Generally greater than 600 ft bgs)

PLATE 3.

Date: September 2011

BY: R. Hull

Location: R:\Sections\DCM\BASE_DATA\GROUNDWATER LEVELS\GW_Change_Stats_Analysis Reports\2010\2009_2010_Summer_Change_Maps