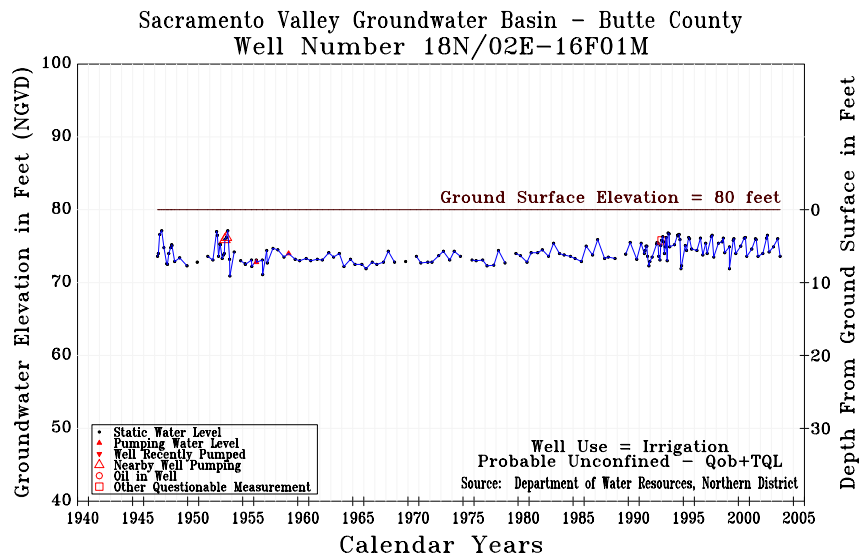


Biggs-West Gridley Sub-Area (Well Number 18N/02E-16F01M):

The figure below is a hydrograph for well 18N/02E-16F01M, in the north-central portion of the Biggs-West Gridley Sub-area. The area surrounding this well is characterized as rural agricultural. Agricultural cultivation in this area consists primarily of rice production supported by a mixed water source. The well is an active irrigation well constructed in the upper portion of the aquifer, with a groundwater level measurement record dating back to the late 1940s. Groundwater levels in this well were monitored on a semi-annual basis until 1991, on a monthly basis from 1991 to about 1994 and on a semi-annual basis from 1994 to 1996. Since 1996, this well has been monitored four times a year during March, July, August and October.

The figure shows that the spring to summer fluctuation of groundwater levels in the unconfined portion of the aquifer system averages only 1 to 2 feet during years of normal precipitation and 2 to 4 feet during years of drought. Close examination of the spring to summer fluctuations indicate that groundwater levels rise during the summer months as the upper aquifer recharges due to flood irrigation for rice production. Long-term comparison of spring-to-spring groundwater levels show almost no change in groundwater levels associated with either the 1976-77 and or the 1986-94 droughts. Further long-term analysis of spring-to-spring groundwater levels indicates very little change in groundwater levels since the late 1940s.



Hydrograph for Well 18N/02E-16F01M

Groundwater levels have remained constant at normal historic levels since about 1950. Groundwater in storage is not being depleted in the sub-area at this time.