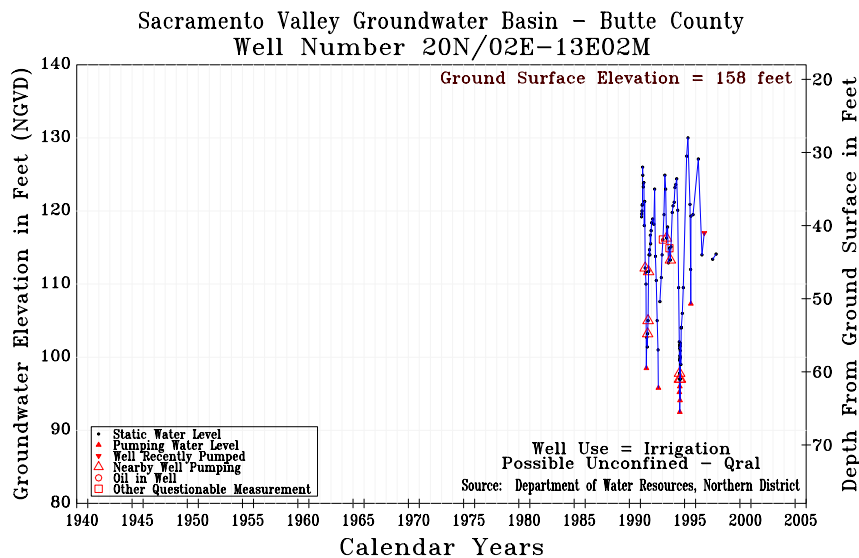


### Cherokee Sub-Area (Well Number 20N/02E-13E02M & 20N/02E-24C02M):

The figure below is a hydrograph for well 20N/02E-13E02M, located in the western portion of the Cherokee Sub-area. The area surrounding this well is characterized by agricultural production of orchard, rice and row crops supported by both groundwater and surface water. This well is a shallow irrigation well constructed in the unconfined portion of the aquifer system. The groundwater levels in this well were monitored on a monthly basis from 1991 to 1995, and four times a year during March, July, August and October from 1995 to 1996.

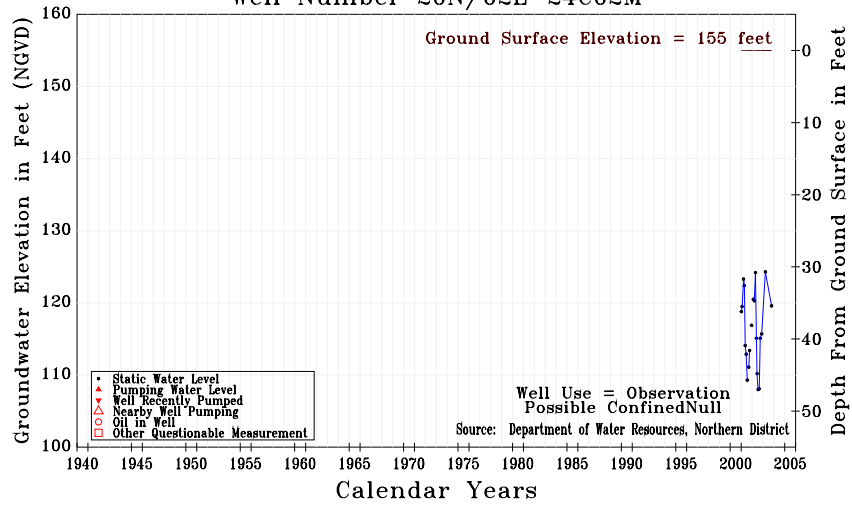
Due to active pumping within the monitoring well and nearby pumping of surrounding wells, the seasonal fluctuation of static groundwater levels are difficult to accurately determine. In general, this figure shows that the spring to summer fluctuation in groundwater levels average about 10 to 12 feet during years of normal precipitation (1993 and 1995) and up to 25 feet during years of drought. Insufficient groundwater level measurement data exist to evaluate the long-term groundwater level trends in this area.



### Hydrograph for Well 20N/02E-13E02M

Monitoring groundwater levels have been discontinued in this well. Well 20N/02E-24C02M was chosen to replacement this index well in the Cherokee Sub-area. This new well is a dedicated multi-completion monitoring well that was installed by Butte County during 1999. The well is in the west central portion of the sub-area south of the initial index well. Measurements in this well represent groundwater conditions between 336 to 377 feet in the unconfined portion of the Lower Tuscan aquifer system.

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**Hydrograph for Well 20N/02E-24C02M**

Although the record for this well is short, it appears that the aquifer system recovers by spring of each year. The number of groundwater level measurements taken in this well and 20N/02E 13E02M are too few to make a meaningful long-term evaluation of change of groundwater in storage for the sub-area.