

EXPLANATION

- ALLUVIUM
- COLLUVIUM AND WEATHERED CRYSTALLINE ROCKS— Generally covered by a thin layer of alluvium
- CRYSTALLINE ROCKS— Generally covered by a thin layer of alluvium and colluvium near stream channels
- CONTACT
- BOUNDARY OF GROUND-WATER BASIN
- 200- WATER-LEVEL CONTOUR— Shows altitude of water level, in feet above sea level. Contour interval variable. Dashed where approximate
- 6F7 2806 4.4 WELL— Upper number is well number. Middle number is water-level altitude, in feet above sea level. Lower number is depth below land surface, in feet
- HYDROGRAPH— Vertical bar shows range of water-level altitude, in feet above sea level and depth, in feet below land surface. Circles represent individual measurement. Dashed where approximate, queried where uncertain

WATER-LEVEL CONTOURS, NOVEMBER 1983, AND HYDROGRAPHS OF SELECTED WELLS

Water levels measured in 38 wells during November 1983 ranged from 1.3 to 38.5 feet below land surface. Of 33 wells completed in the alluvial aquifer, 23 had water levels within 10 feet of land surface. Depth to water was greatest for wells outside the alluvial aquifer. Ground-water movement in the alluvial aquifer was from Monserrate Narrows downgradient to the narrows near Bonsall, and the alluvial aquifer was discharging ground water to the San Luis Rey River.

Water-level hydrographs for selected wells in the alluvial aquifer show changes in ground-water levels with time. Depth to water exceeded 66 feet in well 10S/3W-11G1 on June 30, 1964. At that time, the well, which fully penetrated the alluvial aquifer, was dry. Depth to water in wells in the western part of the aquifer did not exceed 25 feet during the period of available record.

Base from San Diego County Department of Public Works, Mapping Section, 1:24,000



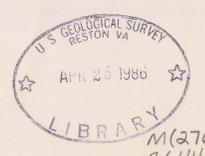
Geology modified from Moyle, W.R., Jr., 1971. Water wells in the San Luis Rey River valley area, San Diego County, California: California Department of Water Resources Bulletin 91-18, 347 p.

For additional information write to:
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WATER-LEVEL CONTOURS, NOVEMBER 1983, AND HYDROGRAPHS OF SELECTED WELLS
MAPS OF THE BONSCALL AREA OF THE SAN LUIS REY RIVER VALLEY, SAN DIEGO COUNTY, CALIFORNIA
SHOWING GEOLOGY, HYDROLOGY, AND GROUND-WATER QUALITY

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1985



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WRI 85-4112