UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

Water-level contours; dashed where uncertain; arrow indicates direction of ground-water movements

Contour interval 20 feet; datum is approximate mean sea level. Based largely on water-level measurements made April 10–18, 1951; those in Kenwood Valley, July 1950

Auxiliary water-level contour

Wells for which water-level measurement was used to control contours

Wells for which altitude of water level was not used to control contours; number at right of well symbol indicates altitude of water level. Well tape water body other than principal water body or water level does not reflect normal head in water body

Domestic, stock, or small irrigation well at which no water-level measurement was made

Irrigation, public-supply, or industrial well at which no water-level measurement was made

Flowing wells
Observed or reported during period of measurement

Destroyed well

Spring

Developed springs

The above circled wells and springs yield 5 acre-feet or more per year, uncircled wells and springs yield less than 5 acre-feet per year

Oil or gas testhole
Numbers indicate location as explained in text

Stream-gaging site in use, 1954

Discontinued stream-gaging site

Local boundary of area underlain by the Franciscan group and Petaluma formation
Dashed where approximately located

Base from U. S. Geological Survey and Corps of Engineers, U. S. Army, topographic maps. Broken land lines projected for reference only

Geology in part by G. T. Cardwell, 1951–52, but chiefly after C. E. Weaver, 1949, R. B. Travis, 1952, and W. K. Gealey, 1950
Location of wells 1949–51 by G. T. Cardwell and W. J. Hiltgen

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WATER-LEVEL CONTOUR MAP OF THE SANTA ROSA AND PETALUMA VALLEY AREAS, CALIFORNIA

1 0 5 Miles