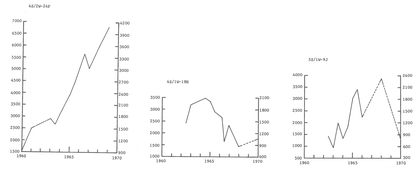
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

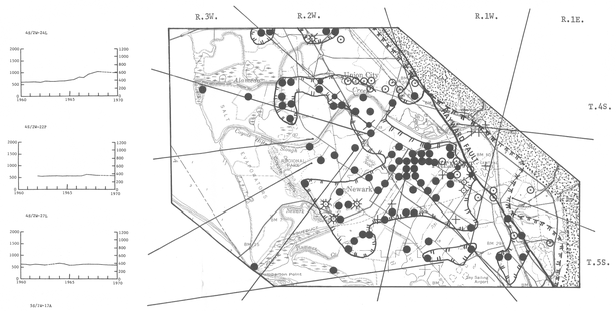
Prepared in cooperation with the
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

MISCELLANEOUS FIELD STUDIES
MF 432 (SHEET 3 OF 3)

Map symbols explained on sheet 1.

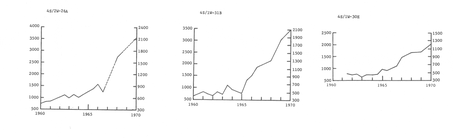
Graphs for wells 4S/2W-24F, 4S/1W-18H, and 5S/1W-9J indicate the specific conductance and approximate dissolved solids content of water from depths less than 200 feet below land surface.





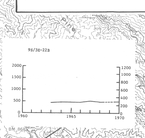
Graphs for wells 4S/2W-24L, 22F, 27L, and 5S/1W-17A indicate the specific conductance and approximate dissolved solids content of water from depths greater than 200 feet below land surface.

Graphs for wells 4S/1W-30E, 31B, and 4S/2W-26A, perforated at depths greater than 200 feet below land surface, show changes in specific conductance and approximate dissolved solids content of water from a heavily pumped area that is being contaminated by poor quality water (4S/2W-24F) from the upper part of the aquifer system.



Wells 4S/1W-21F and 35P are located east of the Hayward fault zone which breaks the continuity of the aquifers. The graph for well 4S/1W-21F, perforated from 64 to 105 feet below land surface, shows the specific conductance and the approximate dissolved solids content of ground water near a source of recharge. The graph for well 4S/1W-35P, perforated or screened from 352 to 378 feet below land surface, shows the specific conductance and approximate dissolved solids content of water from deeper deposits.

INSET MAP



SHEET DIAGRAM



COUNTY KEY
A. MARIN
B. SONOMA
C. NAPA
D. SOLANO
E. CONTRA COSTA
F. ALAMEDA
G. SANTA CLARA
H. SAN MATEO
I. SAN MATEO
J. SAN FRANCISCO

SCALE 1:125 000

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 TO 7 FEET

MAPS SHOWING AREAS IN THE SAN FRANCISCO BAY REGION WHERE NITRATE, BORON, AND DISSOLVED SOLIDS IN GROUND WATER MAY INFLUENCE LOCAL OR REGIONAL DEVELOPMENT

BY
D. A. WEBSTER

1972

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