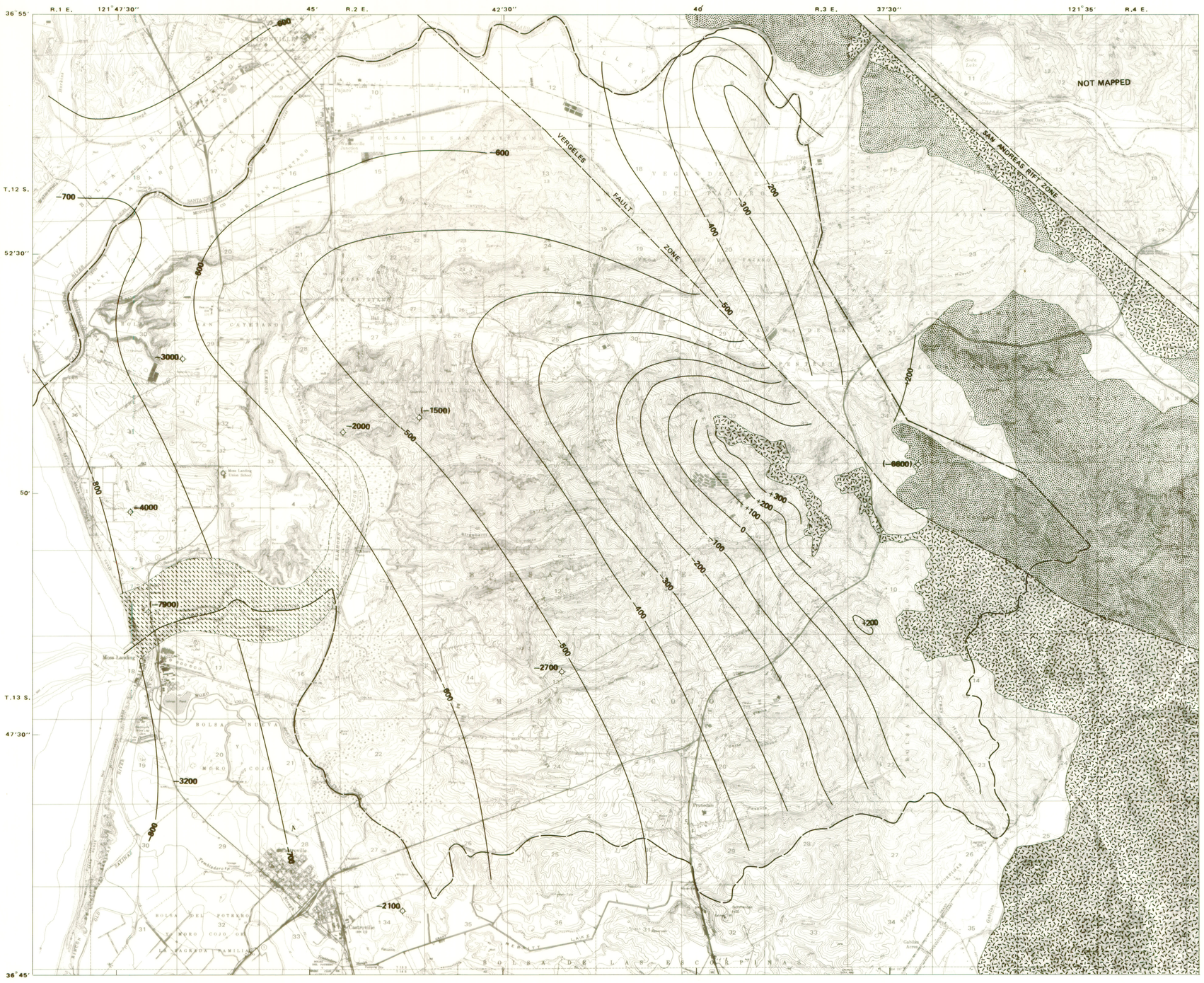
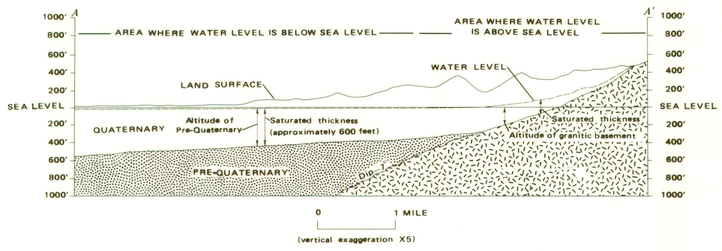
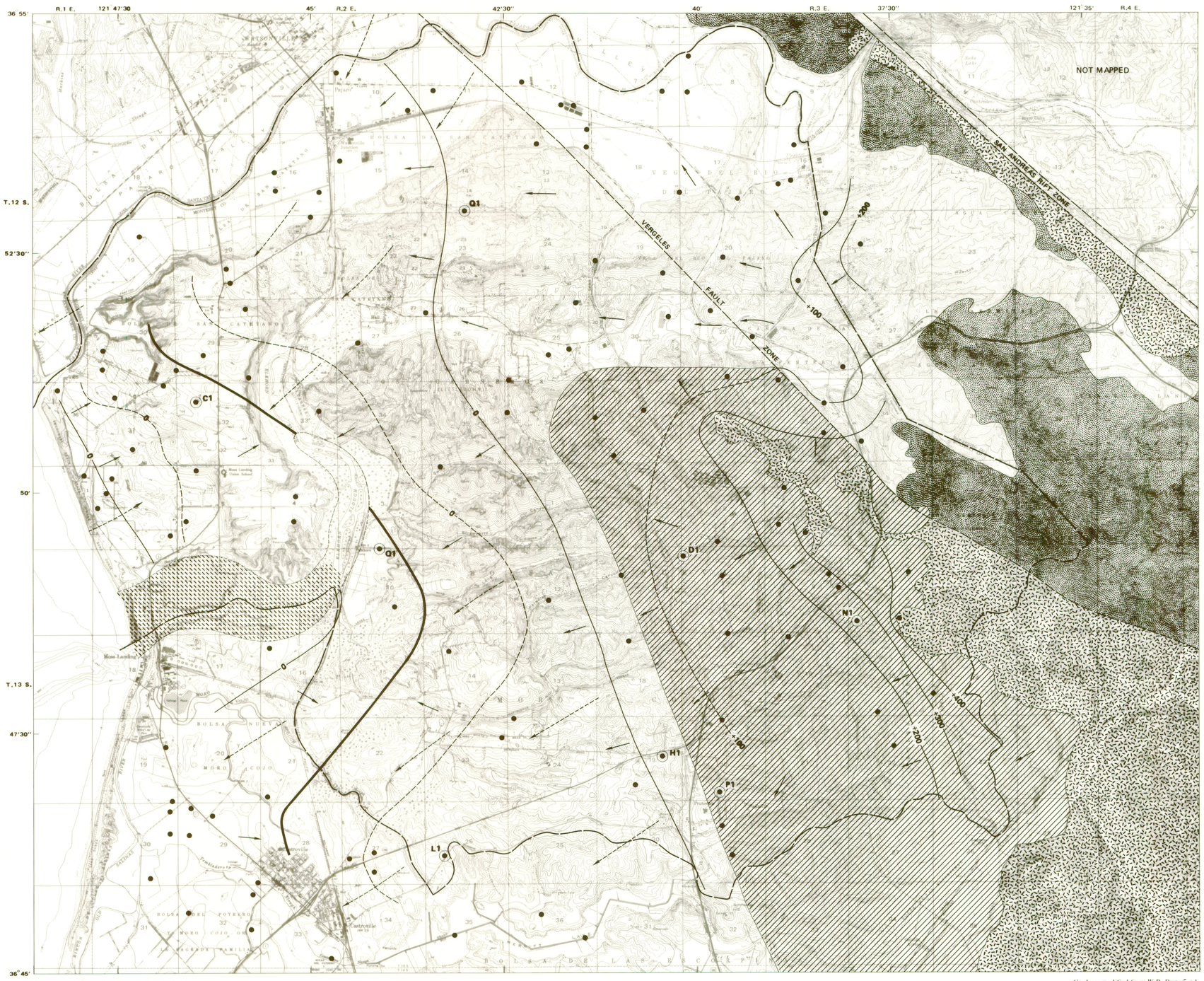




EXPLANATION

- QUATERNARY DEPOSITS
- PURISIMA FORMATION AND OLDER TERTIARY FORMATIONS
- GRANITIC BASEMENT
- CONTACT– Approximately located
- FAULT– Dashed where approximately located; queried where uncertain
- —100— STRUCTURE CONTOURS– Shows generalized contours of base of Quaternary deposits. Contour interval 100 feet. Datum is sea level
- POTENTIOMETRIC CONTOUR– Shows altitude of water table, based on water level in wells that tap the Aromas Sand. Interval 100 feet. Datum is sea level
- ---0--- DECEMBER 1969
- —+100— DECEMBER 1979
- AXIS OF PUMPING TROUGH
- APPROXIMATE DIRECTION OF GROUND-WATER MOVEMENT
  - In upper part of Aromas Sand
  - In lower part of Aromas Sand
- ◇ ABANDONED OIL AND GAS TEST WELLS
- –2100 DEPTH IN FEET TO TOP OF GRANITIC BASEMENT. DATUM IS SEA LEVEL
- (–7900) MAXIMUM DEPTH IN FEET REACHED WITHOUT PENETRATING GRANITIC BASEMENT. DATUM IS SEA LEVEL
- WELLS USED IN CONTOURING
- Q1 WELL– Location of well for which hydrograph is shown in figures 4 and 5
- BOUNDARY OF CLAY FILL WHICH EXCEEDS 150 FEET IN THICKNESS. PATTERNED AREA EXCEEDS 300 FEET IN THICKNESS
- ZONE OF COMPLEX HYDROLOGY (GRANITIC RIDGE AREA)
- A — A' LINE OF SECTION
- STUDY AREA BOUNDARY

STRUCTURE CONTOURS AT THE BASE OF THE QUATERNARY DEPOSITS



Base from U.S. Geological Survey, Moss Landing, 1954; Prunedale, 1975; San Juan Bautista, 1955; Chittenden, 1973; Watsonville West, 1954; Watsonville East, 1955 California, 1:24000

Geology modified from W.R. Dupre and J.C. Tinsley III (1980); J.C. Clark and J.D. Rietman (1973)

POTENTIOMETRIC CONTOURS AND DIRECTION OF GROUND-WATER MOVEMENT IN THE QUATERNARY DEPOSITS

0 1 2 3 4 MILES
0 1 2 3 4 5 6 KILOMETERS

CONTOUR INTERVAL 10 AND 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAPS OF NORTH MONTEREY COUNTY, CALIFORNIA, SHOWING STRUCTURE CONTOURS AT THE BASE OF THE QUATERNARY DEPOSITS, AND POTENTIOMETRIC CONTOURS AND DIRECTION OF GROUND-WATER MOVEMENT