

EXPLANATION

Chemical types of water in the upper water-bearing zone and the intermittent streams

Bicarbonate
 Sulfate
 Chloride
 Transitional

GROUND WATER

WELL SYMBOLS

- 1791 384 Well tapping the upper water-bearing zone
- 3301 476 Well tapping the lower water-bearing zone
- 3441 761 Composite well tapping both the upper and lower water-bearing zones, or a well penetrating the lower water-bearing zone with unknown perforations
- 1081 Intersections or turning points of the geochemical sections

Top figure beside well symbol indicates well number. Lower figure indicates total dissolved solids, in milligrams per liter; those in parentheses were estimated from specific conductance. Double circle around well symbol indicates well appears on section. See text for well-numbering system.

.....-1600.....

Contour showing altitude of approximate base of fresh water where dissolved solids calculated as sodium chloride approach 2,000 milligrams per liter. Contour interval, 200 feet; datum is mean sea level.

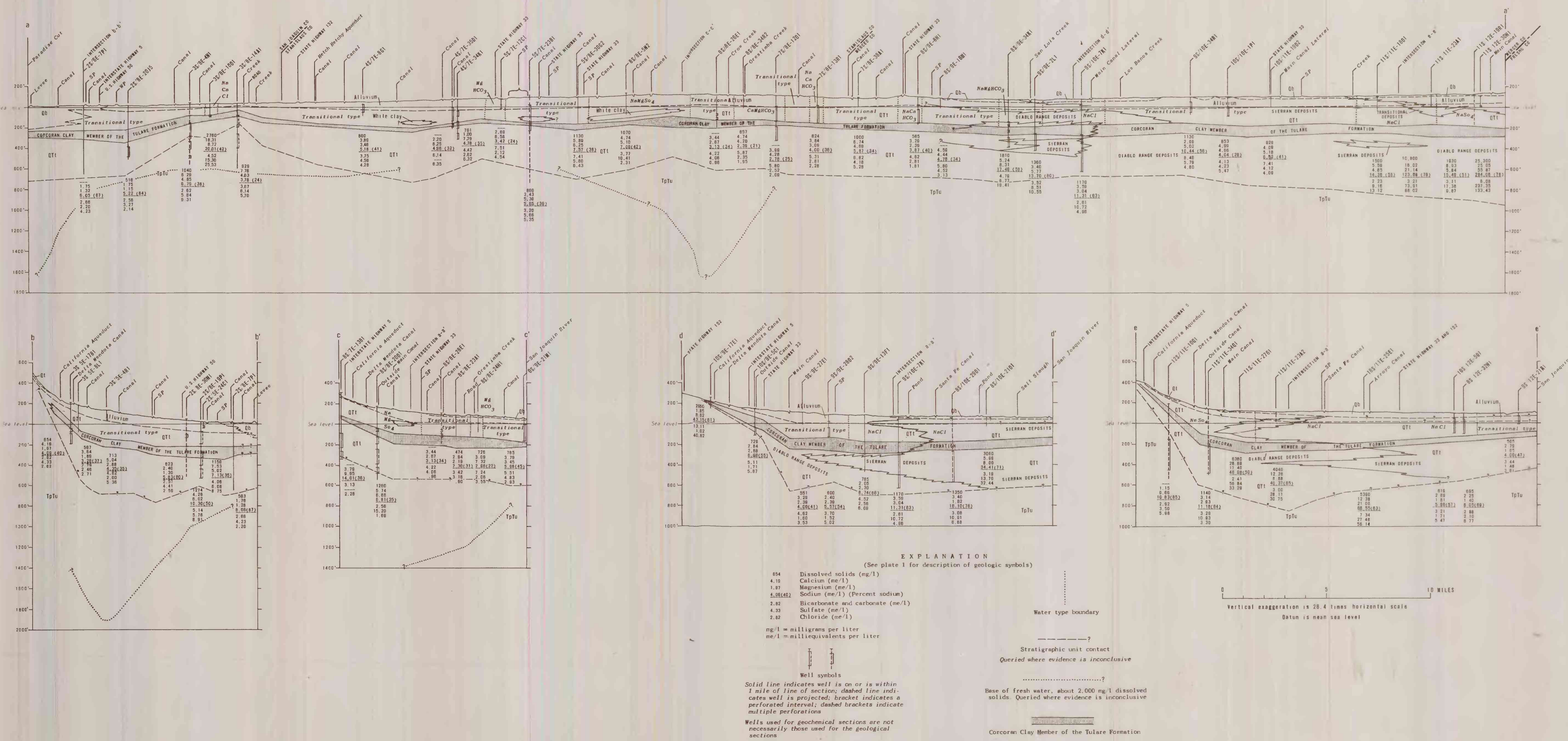
Approximate position of boundary between chemical types

SURFACE WATER

▲ Site of surface water sample

ORESTIMBA CREEK 1952-63
 Name of stream
 Period of record
 PERCENTAGE OCCURRENCE
 RANGE OF DISSOLVED SOLIDS, IN MILLIGRAMS PER LITER
 Chemical type of surface water is designated by a multiple bar, the patterned part of which indicates the percentage occurrence of chemical types. At least six or more analyses were available for each stream for the period of record. Patterns on bar graph are the same as those on the map but reduced about 50 percent in size.

Base from U.S. Geological Survey, Central Valley, California, Delta Area, 1958, 1:250,000



GEOCHEMICAL MAP AND SECTIONS, TRACY-DOS PALOS AREA, SAN JOAQUIN VALLEY, CALIFORNIA