R. 15 E. R. 16 E. R. 17 E. R. 18 E. R. 19 E. R. 20 E. R. 21 E. R. 22 E. R. 23 E. R. 24 E. R. 25 E. R. 26 E.

T. 11 S. T. 12 S. T. 13 S. T. 14 S. T. 15 S. T. 16 S. T. 17 S. T. 18 S.

EXPLANATION

Chemical types of water above and east of the E clay excluding the shallow water body

GROUND WATER

- Magnesium bicarbonate
- Calcium bicarbonate
- Sodium bicarbonate
- Sodium chloride
- Magnesium calcium bicarbonate
- Calcium magnesium bicarbonate
- Calcium sodium bicarbonate
- Calcium chloride
- Sodium magnesium bicarbonate
- Calcium sodium chloride
- Sodium calcium bicarbonate
- Sodium calcium chloride
- Magnesium sodium bicarbonate
- Sodium, calcium, sodium calcium, calcium sodium, bicarbonate, chloride, chloride bicarbonate, bicarbonate sulfate, (transitional type water)

28K1 ● 245 15J1 ○ 402

Well selected to show dissolved solids in milligrams per liter, in ground water

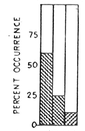
Solid symbol indicates well appears on section; top figures alongside symbol indicate well number; lower figures indicate total dissolved solids, in milligrams per liter

a ——— a' Alinement of geochemical section

SURFACE WATER

X Site of surface-water sample

SAND CREEK ← *Name of stream or station sampled*
1943-1959 ← *Period of record*



20-90

RANGE OF DISSOLVED SOLIDS, IN MILLIGRAMS PER LITER

Multiple bar graph indicates 10 or more analyses were available for sampling site. Each chemical type of surface water is designated by a single bar, the patterned portion of which indicates the percentage occurrence of the chemical type for all analyses for the period of record noted. Chemical types with less than 2 percent excluded

WAHTOKE CREEK ← *Name of stream or station sampled*
1949-1952 ← *Period of record*

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DISSOLVED SOLIDS IN MILLIGRAMS PER LITER

Single bar indicates less than 10 analyses were available for sampling and all analyses indicated one chemical type of water

NOTE

Patterns indicating chemical types of water on bar graphs are at half scale to related patterns on map

Boundary of Fresno area

APPROXIMATE MEAN DECLINATION, 1963

5 0 5 10 15 20 MILES

Contour interval 100 feet
Contours at 20 foot interval are shown in valley area where space permits
Datum is mean sea level

FIGURE 27.—GEOCHEMICAL MAP, FRESNO AREA, SAN JOAQUIN VALLEY, CALIFORNIA, 1958-1965