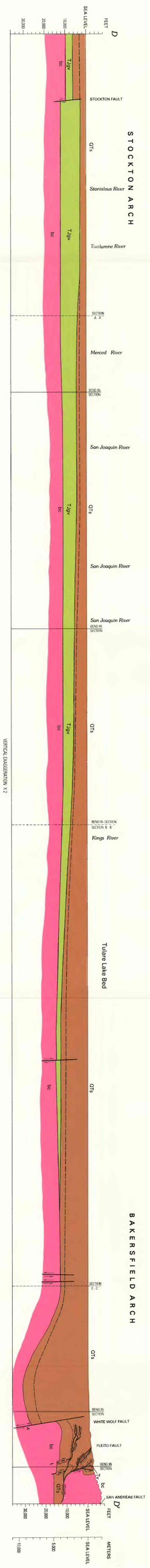
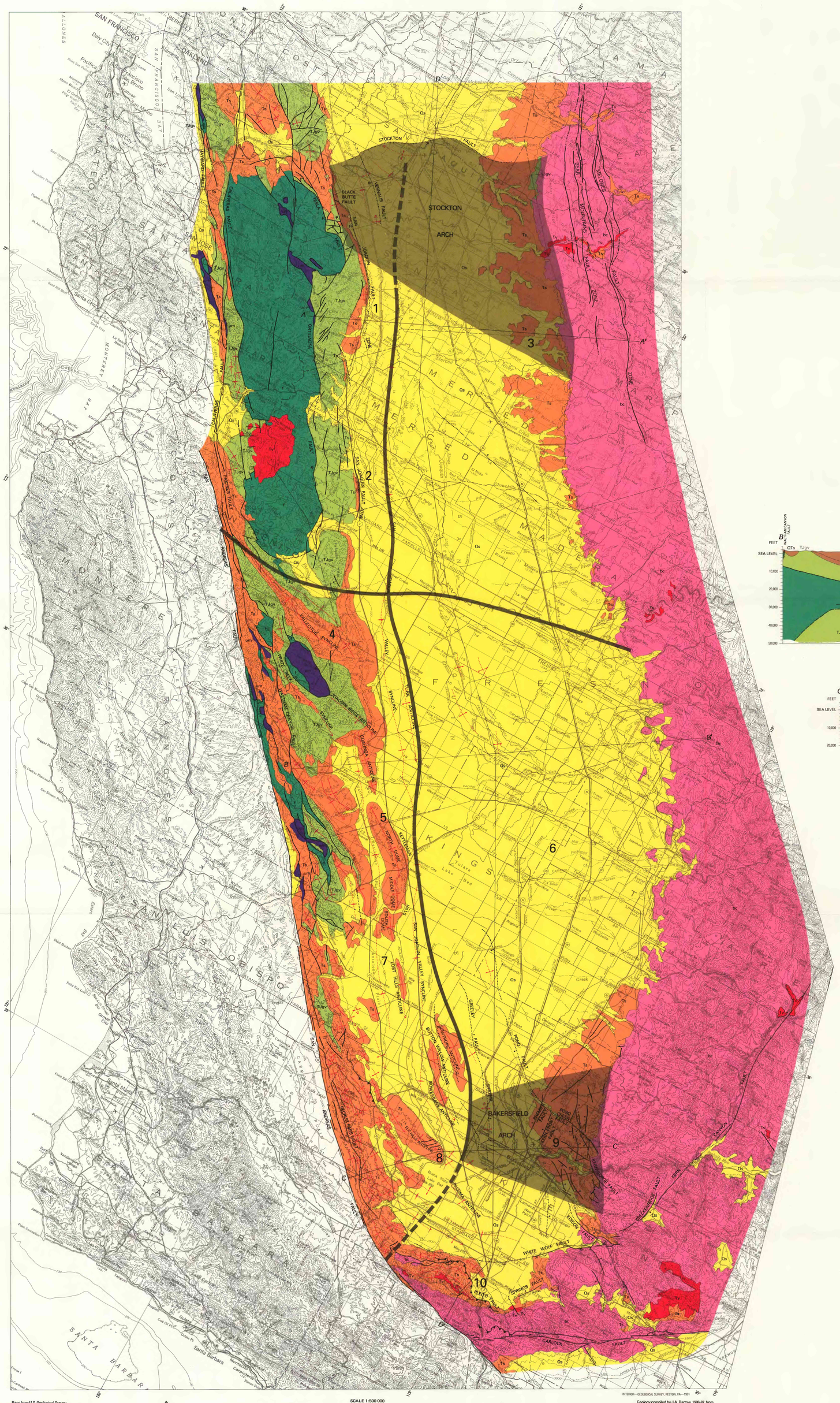




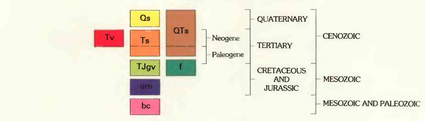
Base from U.S. Geological Survey
State base map, compiled 1968, revised 1981

Lambert Conformal Conic projection based on standard parallels 33° and 45°

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1991

Geology compiled by J.A. Bartow, 1986-87, from Los Angeles Department of Water and Power (1975, fig. 2.5. 1-10A), Harding (1976, fig. 3a), Jennings (1977), Dibblee (1979a), Herd (1979a), Webb (1981, fig. 3), and Bartow (1984, 1985)

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

Qs **Alluvial and lacustrine sediments (Quaternary)**

QTs **Alluvial deposits, sedimentary rocks, and minor volcanic rocks, undivided (Quaternary and Tertiary)**—Used on cross sections only and consists of units Qs and Ts. Dashed line shows approximate boundary between Paleogene and Neogene

Tv **Volcanic rocks (Tertiary)**

Ts **Sedimentary rocks (Tertiary)**—Marine and nonmarine rocks. Dashed line shows approximate boundary between Paleogene and Neogene

TJgv **Great Valley sequence (Tertiary to Jurassic)**—Melanges of sedimentary rocks

f **Franciscan Complex (Tertiary to Jurassic)**—Melanges of sedimentary rocks, serpentinite, and blueschist in a sheared matrix and coherent sedimentary rocks

urm **Ultramafic rocks (Cretaceous and Jurassic)**

bc **Crystalline rocks of the basement complex (Mesozoic and Paleozoic)**

Approximate area of structural arch

Contact—Queried where uncertain in cross sections only

Fault—Dashed where approximately located; dotted where concealed; queried where uncertain. Bar and ball on downthrown side; R on upthrown side of reverse fault; arrows indicate direction of relative movement. Relative lateral movement on cross sections only: A, away from observer; T, toward observer

Thrust fault—Dotted where concealed. Sawteeth on upper plate

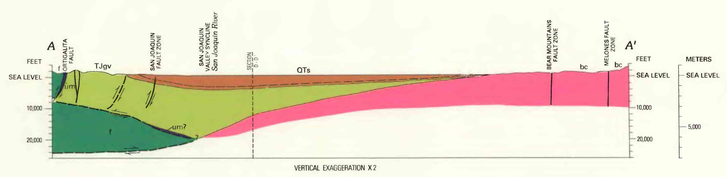
Fold—Dotted where concealed. Showing approximate trace of axial plane; arrows indicate direction of plunge

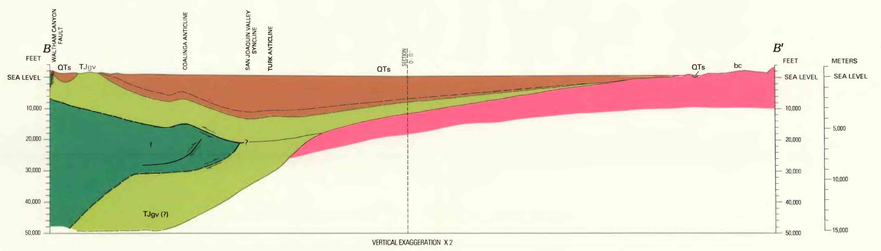
Anticline

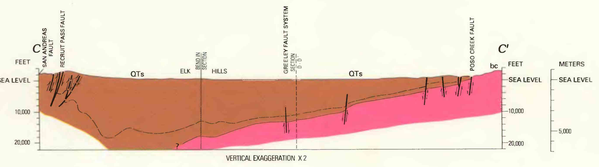
Syncline

Boundary of structural region (see text)—Dashed where approximately located

5 **Location of stratigraphic column**—Number refers to column number on plate 2







SOURCES OF INFORMATION

A–A' Wentworth and others (1984, fig. 4), Bartow (1985), Wentworth (written commun., 1986)
B–B' Hoots and others (1954, pl. 6), Wentworth (1985)
C–C' Church and Krammes (1957), Vedder (1970), Bartow (1984)
D–D' Church and Krammes (1958), Davis (1986)

GENERALIZED GEOLOGIC MAP AND CROSS SECTIONS OF THE SAN JOAQUIN VALLEY AREA, CALIFORNIA