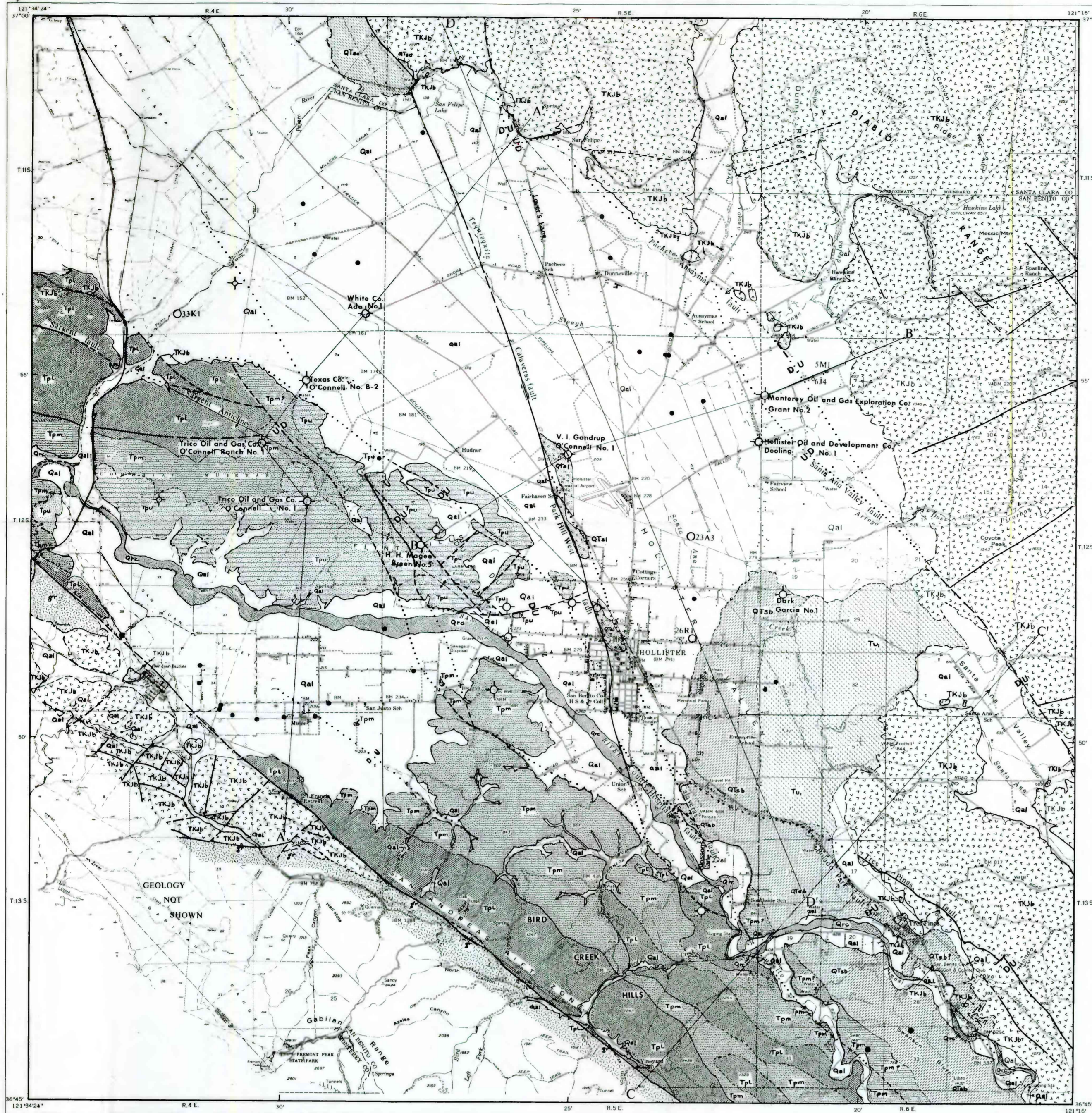


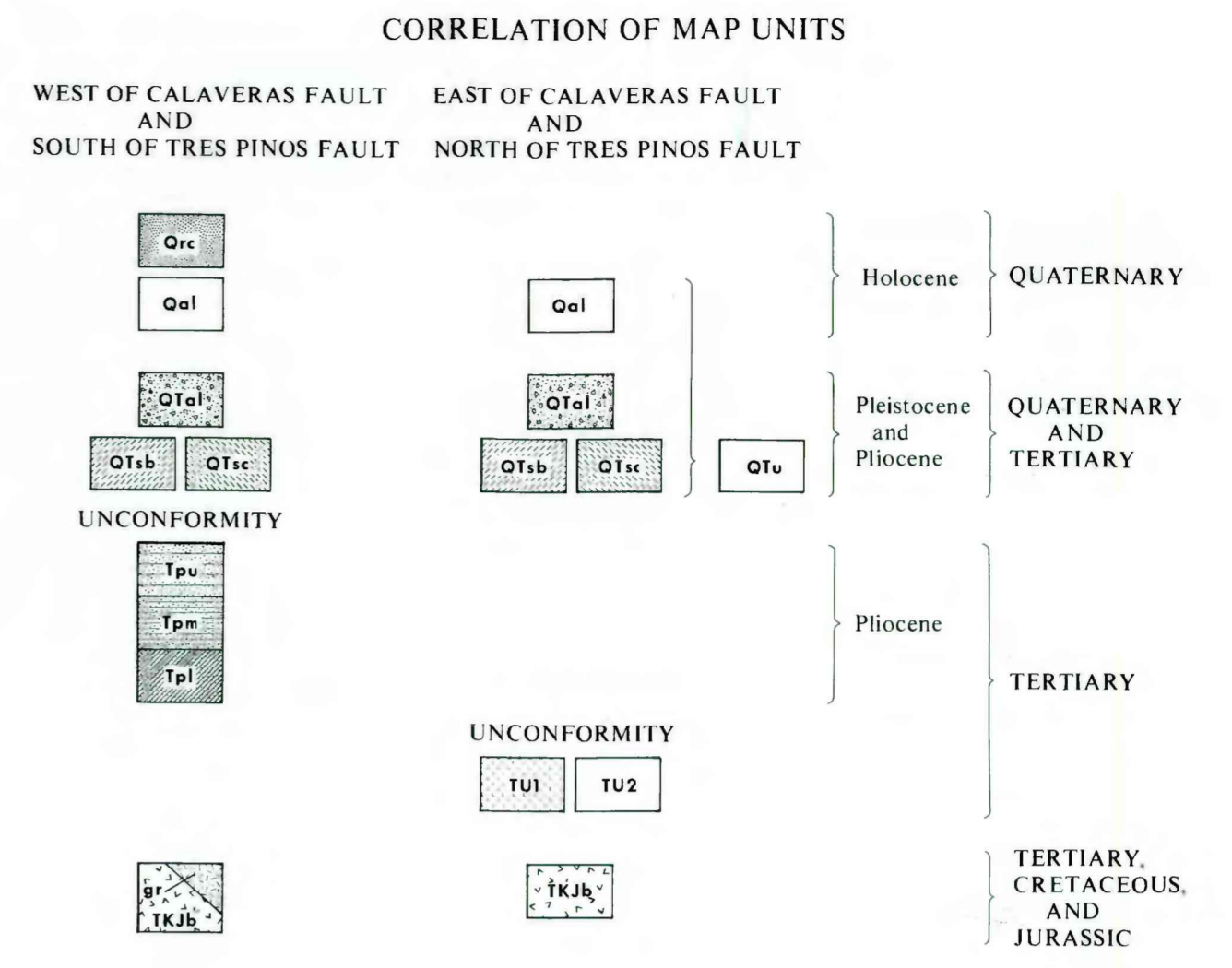
(200)  
K5529



Base from U.S. Geological Survey 1:24,000 topographic series:  
CHITTENDEN, 1955; SAN FELIPE, 1955; THREE  
SISTERS, 1955; SAN JUAN BAUTISTA, 1955;  
HOLLISTER, 1955; TRES PINOS, 1955

Geology modified after Allen (1946), Rogers (1968a, 1968b),  
Taliaferro (1946), and T. W. Dibblee, Jr.  
(written commun., 1968)

FIGURE 3.--Generalized geologic map.



DESCRIPTION OF MAP UNITS

- Qrc** RIVER-CHANNEL DEPOSITS Sand and gravel
  - Qal** ALLUVIUM Clay, silt, sand, and gravel
  - QTal** OLDER ALLUVIUM Clay, silt, sand, and gravel
  - QTsb** SAN BENITO GRAVELS OF LAWSON (1893) Lenticular beds of clay, silt, sand, and gravel, locally consolidated
  - QTsc** SANTA CLARA FORMATION Compact lenticular beds of clay, sand, and gravel
  - QTu** UNDIFFERENTIATED UNIT (In subsurface) May include alluvial fan deposits along west side of Diablo Range
  - PURISIMA FORMATION**
  - Tpu** Upper member Predominately friable pebble gravel and sand locally containing siltstone, all of terrestrial origin
  - Tpm** Middle member Poorly consolidated, mostly terrestrial, friable, massive sandstone interbedded with gypsiferous clay. Locally contains friable pebbly sandstone and pebble conglomerate. Contact with underlying unit gradational
  - Tpl** Lower member Mainly friable to semifriable, bedded, fine- to medium-grained arkosic sandstone and interbedded micaceous siltstone, fossiliferous, of shallow marine to brackish marine origin
  - TU1** UNNAMED UNIT 1 Consists of thin to medium beds of clay, silt, sand, and gravel where exposed at surface. Character may be different in subsurface in northern half of valley
  - TU2** UNNAMED UNIT 2 Not known to be exposed at surface. Electrical logs indicate it is composed of thick-bedded sand or sandstone with interbedded clay, shale, and siltstone
  - TKJb** CONSOLIDATED BEDROCK Sedimentary, igneous, and metamorphic rocks
  - gr** GRANITE In Gabilan Range
- Lithologic contact Long dash where approximately located. Short dash where inferred
- Fault Dashed where approximately located. Dotted where concealed. U, upthrown side; D, downthrown side. Arrows show direction of relative horizontal movement. A, away; T, toward
- Location of geologic section
- Oil or gas-test hole
- Water well Well referred to in report indicated by number (23A3)

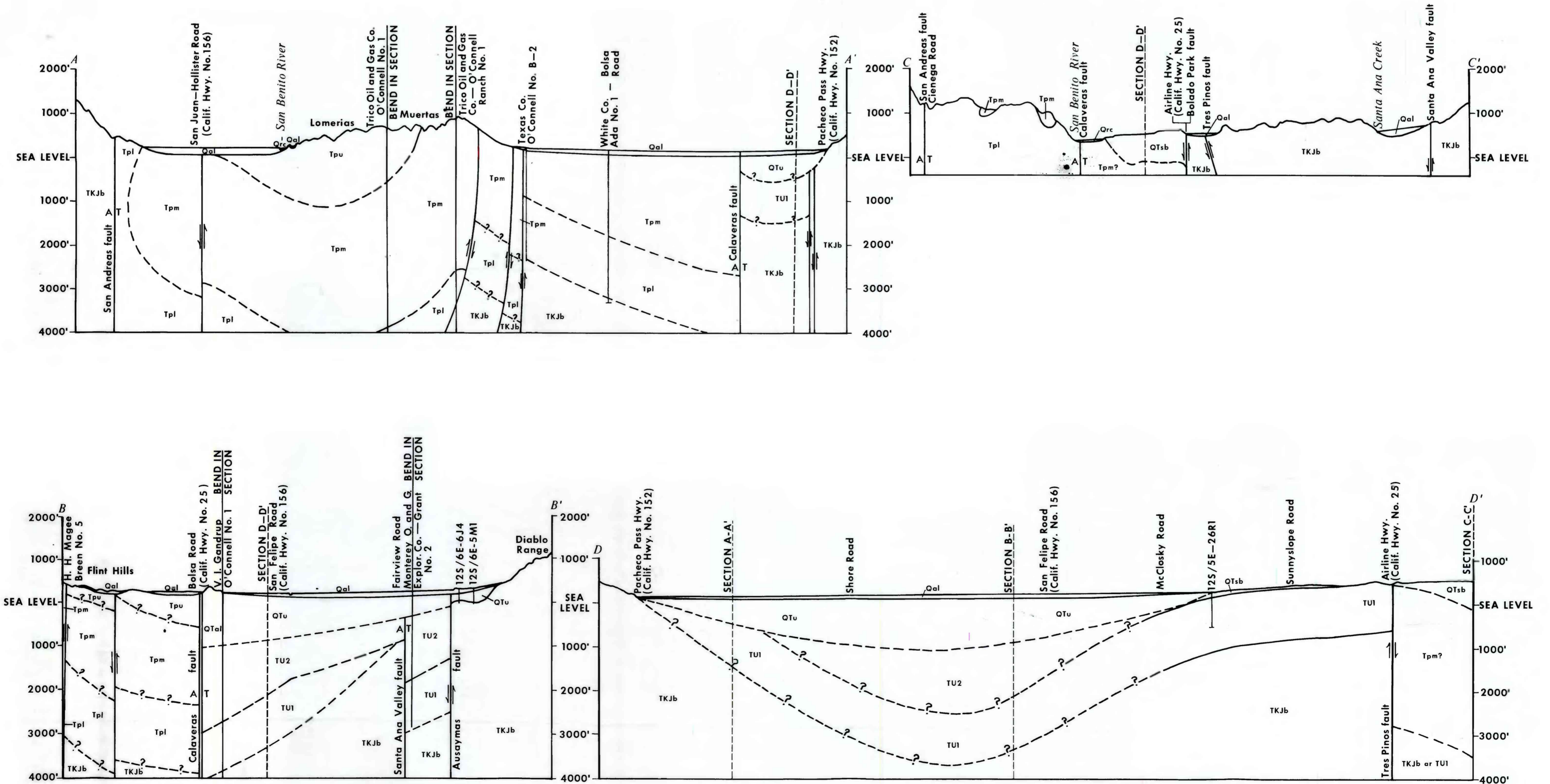
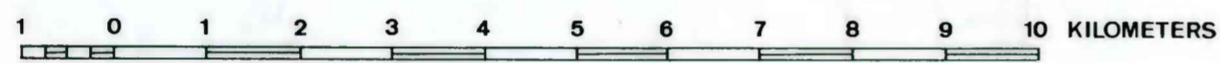


FIGURE 4.--Geologic sections showing postulated structure and extent of geologic units (vertical exaggeration  $\times 4$ ).