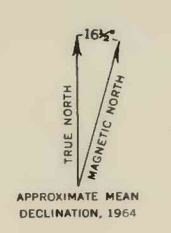




EXPLANATION

- |                           |  |      |                        |  |
|---------------------------|--|------|------------------------|--|
| Recent                    |  | Qal  | Aluvium                | Unconsolidated gravel, sand, and silt along streams  |
|                           |  | Qalo | Older alluvium         | Semiconsolidated gravel, sand, and silt  |
| Pliocene and Recent (?)   |  | QTp  | Paso Robles Formation  | Pebble conglomerate, sandstone, and mudstone; nearly all of the pebbles are of siliceous rocks common in the Monterey Shale; nonmarine   |
|                           |  | Tu   | Unnamed formation      | Fine-grained sandstone, mudstone, porcelaneous mudstone, porcelanite, marine <i>Fossils</i> locally abundant   |
| Pliocene                  |  | Tm   | Monterey Shale         | Tm, mudstone, porcelaneous mudstone, porcelanite, shale, carbonate beds, and carbonaceous concretions; marine<br>Tms, Sandholdt Member: calcareous shale, siltstone, sandstone, porcelanite, chert, and carbonate beds; marine |
|                           |  | Tms  |                        |  |
| Miocene                   |  | Tvu  | Vaqueros Formation     | Tvu, upper member: sandstone and siltstone; contains marine <i>Fossils</i><br>Tvu, lower member: sandstone and conglomerate, thick-bedded, unfossiliferous   |
|                           |  | Tvl  |                        |  |
| Oligocene (?) and Miocene |  | Tr   | Reliz Canyon Formation | Sandstone, arkosic, massive, medium- to coarse-grained   |
|                           |  | pT   | Basement complex       | Chiefly granitic rocks and associated aptite dikes   |
| Eocene                    |  |      |                        |  |

- Contact  
Dashed where gradational or approximately located
- Fault  
Dashed where approximately located; dashed and queried where inferred
- Anticline  
Showing trace of axial plane; dashed where approximately located
- Syncline  
Showing trace of axial plane; dashed where approximately located
- Strike and dip of beds  
25°
- Strike and dip of overturned beds  
90°
- Strike and dip of vertical beds  
Figure 90 on topside of beds Topside unknown
- Horizontal beds
- Fossil locality  
Numbered according to table 3, list of fossil localities in text
- Oil wells  
Dry hole queried where location is approximate; numbered according to table 2
- Projected section lines, dotted; numbers of projected sections in parenthesis  
NO 2 (17) (16) (20) (21)
- Measured section  
Numbered according to descriptions in text under "Measured sections"



Base map by Army Map Service published for civil use by Topographic Division, U.S. Geological Survey, 1949

Geology mapped in 1960-61 by David L. Durham

GEOLOGIC MAP OF THE COSIO KNOB QUADRANGLE, MONTEREY COUNTY, CALIFORNIA

