



PLATE V. GEOLOGIC MAP OF THE MIOCENE VOLCANIC ROCKS IN THE SAN JOAQUIN HILLS, CALIFORNIA. (General geology, with minor modifications, from Schoellhamer et al., 1954b). For location of this area relative to the Los Angeles basin see Figure 1 or Plates VII and VIII.

Pliocene Pleistocene - Recent

SEDIMENTARY ROCKS

- Qsu Quaternary sediments, undivided
- Tq San Mateo formation
- Tm Monterey shale
- Tso San Onofre breccia
- Tt Topanga formation
- Tvs Vaqueros - Sespe formations, undivided
- Tsi Silverado formation

Miocene

Middle Miocene

Upper Miocene

IGNEOUS ROCKS

- Mohavian* Augite andesite
- Luisian* Basic hypersthene-bearing andesite
- Relizian* Hypersthene-augite andesite

Subdivision of the volcanic rocks by R.F. Yerkes and G.P. Eaton

Paleocene, Eo-Oligocene

SYMBOLS

- Fault, showing relative movement
- Approximate location of fault
- Concealed fault
- Formational contact
- Margin of unconsolidated sediments