



EXPLANATION

- Qha Alluvial deposits
- Qu Undiff. surficial deposits
- Qm2 Modesto Formation
Qm2, upper member
- Qr3
Qr2 Riverbank Formation
Qr3, upper unit
Qr2, middle unit
- Qtl Turlock Lake Formation
- Qtnm North Merced Gravel
- Tl Laguna Formation
- Tm Mehrten Formation
- Tvs Valley Springs Formation
- Ti Ione Formation
- pTu Undiff. metamorphic rocks

Tailings

Contact

This map is one of a series of preliminary 15' quadrangles covering the Central Valley portion of the Sacramento 1° X 2° sheet. Refer to Marchand and Allwardt (1977) for discussion of late Cenozoic stratigraphy, and to Piper and others (1939) for description of other units.

Holocene
QUATERNARY
Pleistocene
Pliocene
TERTIARY
Eocene Oligocene Miocene
PRE-TERTIARY

Base map from 1:62,500 topographic series: 1954, 1:62,500, 1954, Soil Survey of the Sacramento area, California: Dept. of Agriculture, Soil Conservation Service, Ser. 1941, No. 11, 101 p., map scale 1:63,360.

Marchand, D. E., and Allwardt, Alan, 1977, Late Cenozoic stratigraphic units, northeastern San Joaquin Valley, California: U.S. Geological Survey Open-File Report 77-748, 149 p.

Piper, A. M., Gale, H. S., Thomas, H. E., and Robinson, T. W., 1939, Geology and ground-water hydrology of the Mokelumne area, California: U.S. Geological Survey Water-Supply Paper 780, 230 p., Plate 1, scale 1:63,360.

PRELIMINARY GEOLOGIC MAP OF CENOZOIC DEPOSITS
OF THE CLAY AREA, CALIFORNIA

by

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.