

# SYMBOLS

Contact  
shown dashed where gradational or approximately located

Fault  
shown dashed where inferred; dotted where concealed;  
U - upthrown block,  
D - downthrown block,  
relatively; arrow indicates dip of fault plane

Anticline      Syncline  
Axis of fold  
arrow on axis indicates direction of plunge

Overturned anticline

inclined  
vertical  
overturned  
Strike and dip of bedding  
numbers indicate amount of dip in degrees

Direction of landslide movement

Sandstone bed

Conglomerate

Oil well

Abandoned test hole drilled for oil or gas

Tar seep

## Pertinent references

Merrill, W.R., 1954, Geology of the Sespe Creek - Pine Mountain area, Ventura County, California: U.S. Geol. Surv. Prof. Paper 1070, 170 p.

Weber, F.H. and others, 1973, Geology and Mineral resources study of southern Ventura County, California: Calif. Div. of Mines and Geol. Spec. Rept. 14, pl. 3, geol. map, scale 1:48,000

Schlueter, J.C., 1976, Geology along San Cayetano Fault, upper Ojai Valley to Timber Canyon, California: M.A. thesis, Ohio Univ., scale 1:12,000 (unpub.)

AAPG, Pacific Section, 1977, San Cayetano Fault, Field trip guidebook, June 3, 1977, sub-surface geology and cross-sections, scale 1:24,000

Rockwell, T.K., unpub., Tectonic geomorphology and geology, upper Ojai Valley - Fillmore, M.A. thesis, UCSB, 1980

# EXPLANATION

- Qg, stream-channel sand and gravel
- Qf, alluvial boulder gravel
- Qa, valley alluvium
- Qls
- Qoa
- Qog
- Qof
- Older surficial sediments
- Qoa, alluvium
- Qog, boulder gravel
- Qof, alluvial fan gravel
- UNCONFORMITY
- Qts
- Saugus Formation non-marine friable conglomerate and sandstone
- Qts
- unnamed pebbly sandstone, marine and non-marine
- Qtmp
- Mudpit clay marine mudstone
- Qtp
- Pico Formation marine mudstone, sandstone and pebble conglomerate
- Qtsq
- Sisquoc (or Santa Margarita) Shale, marine slightly siliceous silty shale, minor sandstone; Mohian - Delmonian age
- Qtm
- Qtml
- Monterey (or Modelo) Shale, marine, siliceous; Tm, porcellaneous shale; Mohian age
- Qtml, porcellaneous & soft, fissile shale; Luisian-Relizian age
- Qtr
- Rincon Shale and Vaqueros Sandstone (not exposed)
- Qtr
- Sespe Formation non-marine maroon-red sandstone and conglomerate
- Qtcw
- Coldwater Sandstone marine light tan arkosic sandstone
- Qtd
- Cozy Dell Shale marine
- Qtd - micaceous shale
- Qtds - sandstone and shale beds
- Qtd
- Matilija Sandstone marine strata
- Qtd, thick-bedded light tan arkosic sandstone
- Qtd sh, micaceous shale
- Qtd
- Juncal Formation marine
- Qtd - dark gray micaceous shale
- Qtds - sandstone and thin shale beds

Base from U.S. Geological Survey, Santa Paula Peak, 1969

Geology by T.W. Dibblee, Jr., 1942-47, 1953, 1979-1981

Drafted by E.J. Wiedmann, 1981

SCALE 1:24,000

CONTOUR INTERVAL 40 FEET

DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

Base from U.S. Geological Survey, Santa Paula Peak, 1969

Geology by T.W. Dibblee, Jr., 1942-47, 1953, 1979-1981

Drafted by E.J. Wiedmann, 1981

SCALE 1:24,000

CONTOUR INTERVAL 40 FEET

DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

## GEOLOGIC MAP OF THE SANTA PAULA PEAK QUADRANGLE, CALIFORNIA

By Thomas W. Dibblee, Jr.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.