OPEN-FILE REPORT
79-1464
SHEET 3 of 4

PREPARED IN COOPERATION WITH LOS PADRES NATIONAL FOREST
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NW/4 of Hines Peak 15' Quad.
SAN GUILLERMO QUADRANGLE
CALIFORNIA VENTURA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

SYMBOLS

Contact
shown dashed where gradational or approximately located

Fault
shown dashed where approximately located; dotted where concealed; U - upthrown block, D - downthrown block, relatively; parallel arrows indicate strike slip; single arrow indicates dip of fault plane

Anticline Syncline

Axis of fold
arrow on axis indicates direction of plunge

inclined
vertical
overturned

Strike and dip of bedding
numbers indicate amount of dip in degrees

Direction of landslide movement

Sandstone bed

Conglomerate bed

Pertinent references

Crowell, J.C., 1964, The San Andreas fault zone from the Temblor Mountains to Antelope Valley, southern California: Pac. Secs. A.A.P.G., S.E.P.M., & San Joaquin Geol. Soc. guidebook, 1964, scale 1:62,500

Vedder, J.G., Dibblee, T.W. Jr., and Brown, R.D. Jr., 1973, Geologic map of the upper Mono Creek - Pine Mountain area, California: U.S. Geol. Survey Misc. Geol. Inv. Map I-752, scale 1:48,000

QUATERNARY

Holocene

Qa
Surficial Sediments
stream channel gravel and valley alluvium

Qls
Landslide debris

Qoa
Qog
Older dissected surficial sediments
Qoa - older alluvium
Qog - older boulder gravel

Unconformity

Pleistocene ?

Pliocene

Tmo
Morales Formation
Terrestrial gray gravel, sand and clay

Trh
Rhyolitic dikes

Tq | Tqf | Tqs
Tql
Quatal Formation
terrestrial sediments
Tq - orange-tan sand, clay, minor gravel
Tqf - gray cobble gravel and fanglomerate
Tqs - silicified sandstone
Tql - Lockwood Clay Member - red clay

TERTIARY

Tc
Tcg
Caliente Formation
terrestrial sediments
Tc - white sandstones, red clays and gray-white conglomerate of granitic and volcanic clasts.
Tcg - gray-white boulder fanglomerate of granitic detritus

Unconformity

Oligocene

Tsl
Terrestrial strata
(Simmler Formation, Sespe Formation, or Plush Ranch Formation of Carmen, 1964)
gray to red clay-stone, sandstone and conglomerate of granitic and metamorphic detritus

Unconformity

Eocene

Tcd | Tcds
Cozy Dell Shale
marine strata
Tcd - micac. shale
Tcds - sandstone

Tmaf / Tma
Matilija Sandstone
marine strata
Tmaf - fine grained sandstone, few thin shale strata, locally fossiliferous
Tma - buff-white arkosic sandstone, few thin shale strata

Tj | Tjs | Tjc
Juncal Formation
marine strata
Tj - gray micaceous shale, few thin sandstone strata
Tjs - arkosic sandstone
Tjc - brown cobble conglomerate and sandstone

SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER
CONTOUR INTERVAL 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1943 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Geology mapped by
T. W. Dibblee, Jr., 1946, 1968
drafted by E. J. Wiedmann, 1979

ROAD CLASSIFICATION
Light-duty — Unimproved dirt

SAN GUILLERMO, CALIF.
N3437.5—W11907.5/7.5

1943
PHOTOINSPECTED 1971
AMS 4156 II SE-SERIES V834

U. S. Geological Survey
OPEN-FILE REPORT
This report is preliminary and has not been edited or reviewed for conformity with Geological Survey Standards and nomenclature

GEOLOGIC MAP OF THE SAN GUILLERMO QUADRANGLE, CALIFORNIA

By Thomas W. Dibblee, Jr.

1979