OPEN-FILE REPORT
79-1464
SHEET 2 of 4

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

NE/4 of Hines Peak 15' Quad.

LOCKWOOD VALLEY QUADRANGLE

CALIFORNIA—VENTURA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

FORMATIONS

QUATERNARY

Holocene

Qa — Alluvium
Valley alluvium and stream gravel

Qls — Landslide debris

Pleistocene

Qoa / Qog — Older surficial sedimts.
Qoa - dissected older alluvial gravel
Qog - dissected boulder gravel

Unconformity

TERTIARY

Pliocene

Tq / Tqc / Tql — Quatal Formation
terrestrial strata
Tq - orange-tan sand, clay and gravel
Tqc - gray clay
Tql - Lockwood Clay Member red to gray clay

Miocene

Tc / Tcl / Tcg — Caliente Formation
terrestrial unit, upper & middle Miocene
Tc - grey-white sands, gravels, & red clays
Tcl - red clay
Tcg - light grey granitic boulder gravel, minor red clay locally

Unconformity

Eocene

Tj / Tjs / Tjc — Juncal Formation
marine strata, mid. to low. Eocene
Tj - grey micaceous shale, minor thin sandstone beds
Tjs - light tan arkosic sandstone, minor thin shale beds
Tjc - greenish-brown cobble conglomerate

Unconformity

PRECAMBRIAN? MESOZOIC

gr — Granitic rock
grey-white coarse grained quartz monzonite

gn / agn — Gneiss
gn - gray layered biotite-rich gneiss
agn - augen gneiss
gray biotite-rich gneiss with large pink augen of orthoclase microcline feldspar

SYMBOLS

Contact
shown dashed where gradational or approximately located

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

Sandstone bed

Conglomerate bed

30 inclined ⊕ horizontal
vertical
10 overturned
Strike & dip of bedding†

60 inclined
vertical
Strike & dip of foliaton † (in gneiss)

Anticline Syncline
Axis of fold

general direction of Landslide movement
† numbers indicate amount of dip in degrees

PERTINENT REFERENCES:

Carmen, M.F. Jr., 1964. Geology of Lockwood Valley area, Kern and Ventura Counties, California: Calif. Div. Mines and Geol. Spec. Rept 81, 62p. Scale 1in. = 2mi.

Crowell, J.C., 1964. The San Andreas fault zone from the Temblor Mountains to Antelope Valley Southern California: Pacific Secs. A.A.P.G., S.E.P.M., and San Joaquin Val. Geol. Soc. guidebook, 1964, Scale 1:62500.

SCALE 1:24000

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1943

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

ROAD CLASSIFICATION
Light-duty — Unimproved dirt

QUADRANGLE LOCATION

LOCKWOOD VALLEY, CALIF.
N3437.5—W11900/7.5
1943

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 LOCKWOOD VALLEY QUADRANGLE, CALIFORNIA

By Thomas W. Dibblee, Jr.

1979