

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOS GATOS QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 LOS GATOS 13 QUADRANGLE

- Qls**
Landslide debris¹
- Tp**
Purisima Formation
Marine sandstone
- UNCONFORMITY**
- Tl**
Lambert? Shale
Marine semi-siliceous shale
- Tvq**
Vaqueros Sandstone
Marine arkosic sandstone
- Tsl** **Tsr**
Tst
San Lorenzo Formation
Marine
Tsl, undivided siltstone and
claystone
Tsr, Rices Mudstone
Member
mudstone and siltstone;
includes glauconitic sand-
stone at and near base;
Zemarian and Refugian
Stages
Tst, Twobar Shale
Member
bedded micaceous shale
and claystone; Narizian
Stage
- Tbs**
Tb
Butano Sandstone
Marine arkosic sandstone
and micaceous shale
Narizian Stage
Tbs - predominantly sandstone
Tb - predominantly shale

- Qal**
Surficial deposits
- Qls**
Landslide and mudflow deposit
- Qoa**
Older alluvium
Gravel, sand and clay
- UNCONFORMITY**
- Qts**
Santa Clara Formation
Valley gravel, clay and sand
- UNCONFORMITY**
- Tm**
Monterey Shale
Marine siliceous shale
- Tvd**
Dacite-rhyolite and dacite
breccia
- Tt**
Temblor (?) Formation
Marine arkosic sandstone
- UNCONFORMITY**
- Tss** **Tls**
Sedimentary rocks
Tss, sandstone and shale
Tls, limestone
- TKsh** **TKss**
Marine sedimentary rocks
TKsh, micaceous shale,
minor thin sandstone
strata
TKss, arkosic sandstone
- Ksh** **Kcg**
Marine sedimentary rocks
Ksh, micaceous shale
Kcg, cobble conglomerate
- Kja**
Argillite
- vb** **vd**
Mafic igneous rocks,
partly altered to greenstone
vb, basalt
vd, fine grained diorite
- sp** **sc**
Ultramafic rocks
sp, serpentinite
sc, silica-carbonate rock
altered from serpentinite
- Fm** **fg** **fs** **fc** **fl** **fstr**
Franciscan rocks
Pervasively sheared weakly
metamorphosed marine
sedimentary and volcanic rocks
fm, metamorphic rocks, schist
fg, greenstone, after basalt
fs, graywacke sandstone
fc, varicolored chert
fl, limestone
fstr, shear zone or melange
of above rocks



- Contact**
(dashed where gradational
or approximately located)
- Fault²**
(dashed where inferred or
existence uncertain; dotted
where concealed; double
parallel arrows indicate
strike-slip movement)
- anticline** **syncline**
Axis of fold
- inclined**
vertical **overturned**
Strike and dip of
bedding
- Down-slope movement of
landslide indicated by
half-arrow**

Notes

- Only a few of the major landslides are shown. For landslides in Santa Cruz County, see map by Cooper, Clark and Associates (1975). For landslides in Santa Clara County, see report and maps by Rogers (1971).
- Recently active faults are shown on maps by Sarna and others (1975) and Hall and others (1974).
- Geology compiled in part from Bailey and Everhart (1964), Rogers (1971), Sorg and McLaughlin (1975), and Helley and Brabb (1973).

References cited

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PRELIMINARY
GEOLOGIC MAP OF THE LOS GATOS QUADRANGLE, SANTA CLARA & SANTA CRUZ COUNTIES, CALIFORNIA
BY
Thomas W. Dibblee, Jr. and Earl E. Brabb
1978

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.