

UNITS SOUTHWEST OF
SAN ANDREAS FAULT

Qc Qal Qof Qls

Surficial deposits
Qc, colluvium; silt,
sand and gravel
Qal, alluvium; silt,
sand, clay and gravel
Qof, older flood plain
deposits; sand,
silt and clay
Qls, landslide debris¹

Qoa

Older alluvium
Silt, sand, clay and
gravel

Qa

Aromas Sand

Qa, Aromas Sand,
undivided
Qac, dune deposits

Qaf, fluvial (stream)
deposits; silt,
clay, and gravel

Qtc

Continental deposits
Sand and silt

Tp

Purisima Formation
Marine sandstone,
minor siltstone

UNCONFORMITY

Tvg

Vaqueros Sandstone

Tvg, marine arkosic
sandstone; minor
siltstone
Tz, Zayante Sandstone;
granitic conglomerate
and sandstone

Tsl

San Lorenzo Formation
Marine

Tsl, undivided mudstone,
siltstone and mica-
ceous shale; minor
thin sandstone
Tsr, Rices Mudstone
Member; massive
mudstone and
siltstone, glauc-
onitic sandstone at
or near base locally,
Zemurian and
Refugian Stages

Tst, Twobar Shale Member;
micaceous shale,
commonly bedded; and
thin sandstone
strata; Narizian
Stage

Tush

Marine units of
undetermined identity
Tuss, arkosic sandstone
of Butano or
Vaqueros Formations
Tush, clay shale and
siltstone of Butano
or San Lorenzo
Formations; minor
sandstone beds

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UNITS BETWEEN SAN ANDREAS
AND BERROCAL FAULTS

Qal

Alluvium

Qls

Landslide debris¹

Qoa

Older alluvium
(dissected)

UNCONFORMITY

Tmp

Shale of Mount
Pajaro area
Tm, marine, upper part
siliceous shale;
lower part clay
shale
Td, diabase sill

UNCONFORMITY (?)

Tss

Marine sedimentary
rocks

Tss; arkosic sandstone,
some conglomerate
and shale
Tssh; shale, minor
sandstone
Tsh; gray, green and
red shale, minor
sandstone
Tts

UNCONFORMITY (?)

Ksh

Marine sedimentary
rocks

Ksh, micaceous shale
and siltstone; minor
thin sandstones
Kss, hard arkosic
sandstone
Kcg, cobble conglom-
erate of granitic
and porphyritic
detritus, and
massive sandstone

Kjs

Shale

vb db sp

Mafic rocks

vb, volcanic rocks,
mainly basalt;
includes some
keratophyre
db, fine-grained diabase
sp, serpentinite

UNITS NORTHEAST OF
BERROCAL FAULT

Qal

Alluvium

Qls

Landslide debris¹

UNCONFORMITY

Tm

Monterey Shale
Marine semi-siliceous
shale

Tts

Tembor Formation
Marine sandstone
UNCONFORMITY

sp

Serpentinite

fg fs fsr fc fl

Franciscan assemblage

Pervasively sheared
weakly metamorphosed
marine sedimentary
and mafic volcanic rocks
fg, greenstone (altered)
from basalt)
fs, graywacke sandstone
and argillite
fsr, melange or mixture
of sandstone in
matrix of sheared
argillite
fc, varicolored chert
fl, limestone

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PRELIMINARY GEOLOGIC MAP OF THE LOMA-PRIETA QUADRANGLE,
SANTA CRUZ AND SANTA CLARA COUNTIES, CALIFORNIA

by

Thomas W. Dibblee, Jr. and Earl E. Brabb

Cooper Clark and Associates, 1975, Preliminary map of landslide deposits in Santa Cruz County, California; in Santa Cruz County Planning Dept., Santa Cruz, California.

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Sarna-Wojcicki, A. M., Pampeyan, E. H., and Hall, N. T., 1975, Map showing recently active breaks along the San Andreas fault between the central Santa Cruz Mountains and the northern Gabilan Range, California; U.S. Geol. Survey Misc. Field Investigations Map, MF-650, scale 1:24,000.

Notes

1. Only a few of the larger landslides are shown. See Cooper Clark and Associates (1975) for a more complete map of landslides in Santa Cruz County, and the map by Rogers (1971) for some of the landslides in Santa Clara County.
2. For fault hazards, see maps by Hall and others (1974) and Sarna and others (1975).
3. Geology compiled partly from McLaughlin and others (1971), Rogers (1971), Dupré (1975), and McLaughlin (1974).

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