

RECONNAISSANCE GEOLOGIC MAP of the State of BAJA CALIFORNIA

PREPARED BY STUDENTS AND STAFF OF THE UNIVERSIDAD AUTONOMA
DE BAJA CALIFORNIA AND SAN DIEGO STATE UNIVERSITY

COMPILED BY R. GORDON GASTIL, RICHARD P. PHILLIPS, AND EDWIN C. ALLISON

SCALE 1:250,000

1971

0 4 8 KILOMETERS

FOR SOURCES AND ACKNOWLEDGEMENTS SEE GEOLOGICAL SOCIETY OF AMERICA MEMOIR 140

LEGEND

ROCK UNITS

POST-BATHOLITHIC SEDIMENTARY ROCKS

QUATERNARY
al, alluvium; Qd, dunes

Qm, Qf, Ql
Qm, marine; Qf, fluvial
Ql, lacustrine

PLIOCENE
Tpm, marine; Tpf, fluvial

MIOCENE
Tmm, marine; Tmf, fluvial

LOWER TERTIARY
Te, Eocene; Tpe, Paleocene
m, marine; f, fluvial
Tc, conglomerate

UPPER CRETACEOUS
Kr, Rosario Group
m, marine; f, fluvial
Kuc, Redondo Formation

POST-BATHOLITHIC VOLCANIC ROCKS

Qb, Quaternary basalt
Tpb, Pliocene basalt and basaltic andesite
Tmb, Miocene basalt and basaltic andesite

Tp, Pliocene, Tm, Miocene;
v, undifferentiated volcanic;
a, andesite; r, rhyolite and dacite

BATHOLITHIC ROCKS

ad, adamellite and granite
gd, granodiorite

t, tonalite
gr, undifferentiated

gb, gabbro
d, diabase

PRE-BATHOLITHIC ROCKS

Ka, Alisitos Formation
s, sedimentary; v, volcanic
lm, limestone
Jv ?, Jurassic ?
pbv, undifferentiated volcanic

pbs, meta sedimentary
pbc, Paleozoic
sl, slate; am, amphibolite
sch, schist; gn, gneiss
pbq, quartzite
pb, undifferentiated
mp, mixed metamorphic
and plutonic

SYMBOLS

CONTACTS OF ROCK UNITS

Dashed where approximate

INCLINATIONS

BEDDING
measured 30° observed photo interpretation
horizontal vertical

FOLIATION
measured 30° observed joint

Trend in plutonic rocks
Trend in pre-batholithic rocks

FOLDS
Anticline Syncline

FAULTS

covered uncertain observed
Dip-slip · · · · ·
Strike-slip · · · · ·
Undifferentiated · · · · ·

Eruptive center Dike Mine or prospect

Spring Well Drainage

Habitation Airport Trail
Improved road Unimproved road

• KA-501 Location of analyzed
or dated samples