

GEOLOGY OF THE SAN JOSÉ PLUTON, NORTHERN BAJA CALIFORNIA, MEXICO

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EXPLANATION

POST-BATHOLITHIC DEPOSITS

- alluvium
- al₁: Recent alluvium in stream valleys
- al₂: older dissected alluvium mantling slopes and terraces (unless otherwise noted, small patches of other rock types within areas of alluvium consist of the nearest tonalite type)

BATHOLITHIC ROCKS (position in column does not imply relative age)

- shbt
 - phbt
 - spt
 - dti
 - dg
 - mfd
 - lct
- San José pluton

- shbt: stubby hornblende tonalite
- phbt: prismatic hornblende tonalite
- spt: seriate porphyritic tonalite
- dti: diorite and inclusion-rich tonalite and quartz diorite; gabbro locally abundant
- dg: diorite and gabbro; minor tonalite and quartz diorite
- mfd: mafic dike
- lct: lime-contaminated tonalite

wcp

Willow Creek pluton
 quartz diorite

Las Cochas pluton
 tonalite, quartz diorite, and diorite

Encina Sola pluton
 quartz diorite to granodiorite; weakly metamorphosed

miscellaneous diorite and gabbro; locally some tonalite or quartz diorite

PRE-BATHOLITHIC ROCKS (variably metamorphosed)

(position in column does not imply relative age)

- pbu
- pbw
- pbv
- pbm
- pbq

- schlieren swarms
- inclusion swarms
- generalized trend of strong to very strong flow foliation; line density is proportional to foliation intensity
- localities referred to in text
- strike and dip of bedding: vertical, direction of tops known from primary structures
- strike and dip of flow foliation in plutonic rocks: vertical, angle of dip uncertain
- strike and dip of metamorphic foliation in pre-batholithic rocks, shown only where bedding is absent or divergent from foliation
- trend and plunge of lineation: vertical, horizontal, angle of plunge uncertain, approximate trend and plunge
- contact, showing dip: dashed where approximately located, dotted where concealed; broadly gradational; inferred from aerial photographs
- fault: dashed where approximately located, dotted where concealed; inferred from aerial photographs
- axis of antiform: dashed where approximately located
- synform: dashed where approximately located
- overturned synform, showing plunge: dashed where approximately located

