PLATE 6

EXPLANATION

PLUTONIC ROCKS

KTg — Granitic rocks assigned to the Cretaceous and/or Tertiary suite (see text)

JKg — Granitic rocks assigned to the Jurassic and/or Cretaceous suite

ROCK TYPES:

Granodioritic rocks:

(JK, KT)gd — Undifferentiated granodioritic rocks

A. Pyroxene granodiorites

- JKpg — Undifferentiated pyroxene granodiorite
- $JKpg_1$ — Porphyritic medium- to coarse-grained pyroxene granodiorite
- $JKpg_2$ — Medium-grained equigranular pyroxene granodiorite
- $JKpg_3$ — Fine- to medium-grained pyroxene granodiorite
- $JKpg_4$ — Medium-grained equigranular biotite-pyroxene granodiorite

B. Biotite and hornblende granodiorites

- $(JK, KT)\ gd_1$ — Medium-grained equigranular biotite-hornblende granodiorite and hornblende-biotite granodiorite
- gd_2 — Medium-grained equigranular biotite leucogranodiorite
- gd_3 — Fine- to medium-grained equigranular biotite-hornblende granodiorite and hornblende-biotite granodiorite (color index greater than 15)
- gd_4 — Fine- to medium-grained equigranular hornblende-biotite granodiorite (color index less than 15)
- gd_5 — Medium-grained equigranular hornblende granodiorite
- gd_i — Distinctly inequigranular biotite-hornblende granodiorite (chiefly fine- to medium-grained)

Note: Rocks labeled $JKgd_1$, $JKgd_3$, and $JKgd_i$ may be gradational to pyroxene granodiorite.

- gd_6 — Medium-grained granodiorite to adamellite with hematized mafic minerals

Tonalitic rocks:

- (JK, KT)t — Undifferentiated tonalitic rocks
- t_1 — Fine- to medium-grained equigranular hornblende-biotite tonalite and biotite-hornblende tonalite
- t_2 — Medium-grained equigranular biotite-hornblende tonalite
- t_3 — Fine- to medium-grained, and medium-grained, equigranular hornblende tonalite to diorite
- t_4 — Medium-grained equigranular quartz-rich hornblende tonalite

Dioritic rocks:

- JKd — Undifferentiated dioritic rocks
- JKd_1 — Medium- to coarse-grained equigranular diorite
- JKd_2 — Medium-grained equigranular diorite
- JKd_3 — Fine- to medium-grained diorite
- JKd_4 — Melanodiorite to gabbro
- JKd x — Mixed dioritic rocks and meta-andesite

Adamellitic rocks:

- (JK, KT)a — Undifferentiated adamellite
- a_1 — Medium-grained equigranular biotite adamellite
- a_2 — Fine-grained equigranular adamellite
- a_3 — Fine- to medium-grained inequigranular to porphyritic adamellite to granodiorite
- a_4 — Fine- to medium-grained equigranular hornblende-biotite adamellite
- a_5 — Medium- to coarse-grained porphyritic hornblende-biotite adamellite
- a_6 — Medium-grained equigranular quartz-rich biotite-hornblende adamellite

MINOR CRYSTALLINE ROCKS

pK mg — Complex of gneissic metasedimentary rocks, orthogneissic rocks, and migmatites. Jurassic and older.

JKri — Intrusive rhyolite

Pzs — Metasedimentary rocks: quartzites, phyllites, argillites, mica schists

Pzg — Paleozoic granitic rocks:

- Pzg — Undifferentiated
- Pzg_1 — Medium- to coarse-grained leucogranite
- Pzg_2 — Medium- to coarse-grained equigranular biotite adamellite
- Pzg_3 — Fine- to coarse-grained inequigranular to porphyritic biotite adamellite
- Pzg_4 — Fine- to medium-grained granophyric leucogranite

MESOZOIC GEOSYNCLINAL ROCKS

Km — Marine rocks, chiefly limestones, of probable Neocomian age

JKv JKvi JKvx Jv Kv Kvb Kvc — Jurassic and/or Cretaceous volcanic-clastic rocks, predominantly andesitic:

- JKv — Undifferentiated
- JKvi — Intrusive andesite
- JKvx — Meta-andesite
- Jv — Chiefly extrusive andesites, assignable to the La Negra formation
- Kv — Andesitic and related clastic rocks of probable Cretaceous age
- Kvb — Volcanic-clastic rocks assignable to the Bandurrias formation
- Kvc — Chiefly terrestrial clastic rocks, assignable to the Caleta Coloso formation

Jm — Liassic marine rocks

SEDIMENTS

Qal — Stream channel deposits in youthful seaward-draining canyons and ravines

Colluvium and terrace deposits in lower Quebrada de Taltal stippled

Qt Qls

- Qt — Nonmarine coverhead
- Qls — Landslide debris

Qm — Marine terrace deposits

QTal QTt QTc QTls QTs

- QTal — Undifferentiated alluvium occurring in inland basins and on older erosion surfaces
- QTt — Terrace deposits of older alluvium
- QTc — Colluvium
- QTls — Dissected landslide debris
- QTs — Alluvium with thin blanket of wind-blown sand

SYMBOLS

- Contact, dashed where approximately located; queried where inferred; dotted where concealed.
- Contact, location based upon photogeological interpretation; queried where uncertain.
- Fault, showing dip; dashed where approximately located; queried where inferred; dotted where concealed. U, upthrown side; D, downthrown side.
- Probable fault; located from aerial photos.
- Lineament representing possible fault; located from aerial photos.
- Bearing and plunge of slickensides.
- Strike and dip of bedding.
- Strike and dip of overturned bedding.
- Strike and direction of dip of bedding interpreted from aerial photos.
- Strike and dip of foliation.
- Strike and dip of vertical foliation.
- Strike and dip where bedding parallels foliation.