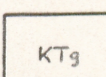
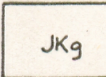


EXPLANATION

PLUTONIC ROCKS

-  Granitic rocks assigned to the Cretaceous and/or Tertiary suite (see text)
-  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
 - JKpg₁ Porphyritic medium- to coarse-grained pyroxene granodiorite
 - JKpg₂ Medium-grained equigranular pyroxene granodiorite
 - JKpg₃ Fine- to medium-grained pyroxene granodiorite
 - JKpg₄ Medium-grained equigranular biotite-pyroxene granodiorite
- B. Biotite and hornblende granodiorites
 - (JK, KT)gd₁ Medium-grained equigranular biotite-hornblende granodiorite and hornblende-biotite granodiorite
 - gd₂ Medium-grained equigranular biotite leucogranodiorite
 - gd₃ Fine- to medium-grained equigranular biotite-hornblende granodiorite and hornblende-biotite granodiorite (color index greater than 15)
 - gd₄ Fine- to medium-grained equigranular hornblende-biotite granodiorite (color index less than 15)
 - gd₅ Medium-grained equigranular hornblende granodiorite
 - gd₁ Distinctly inequigranular biotite-hornblende granodiorite (chiefly fine- to medium-grained)

Note: Rocks labeled JKgd₁, JKgd₃, and JKgd₁ may be gradational to pyroxene granodiorite.

- gd₆ Medium-grained granodiorite to adamellite with hematized mafic minerals

Tonalitic rocks:

- (JK, KT)t Undifferentiated tonalitic rocks
- t₁ Fine- to medium-grained equigranular hornblende-biotite tonalite and biotite-hornblende tonalite
- t₂ Medium-grained equigranular biotite-hornblende tonalite
- t₃ Fine- to medium-grained, and medium-grained, equigranular hornblende tonalite to diorite
- t₄ Medium-grained equigranular quartz-rich hornblende tonalite

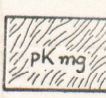
Dioritic rocks:

- JKd Undifferentiated dioritic rocks
- JKd₁ Medium- to coarse-grained equigranular diorite
- JKd₂ Medium-grained equigranular diorite
- JKd₃ Fine- to medium-grained diorite
- JKd₄ Melanodiorite to gabbro
- JKd_x Mixed dioritic rocks and meta-andesite

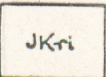
Adamellitic rocks:

- (JK, KT)a Undifferentiated adamellite
- a₁ Medium-grained equigranular biotite adamellite
- a₂ Fine-grained equigranular adamellite
- a₃ Fine- to medium-grained inequigranular to porphyritic adamellite to granodiorite
- a₄ Fine- to medium-grained equigranular hornblende-biotite adamellite
- a₅ Medium- to coarse-grained porphyritic hornblende-biotite adamellite
- a₆ Medium-grained equigranular quartz-rich biotite-hornblende adamellite

MINOR CRYSTALLINE ROCKS

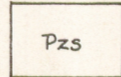
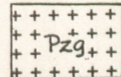


Complex of gneissic metasedimentary rocks, orthogneissic rocks, and migmatites. Jurassic and older.

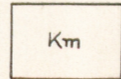



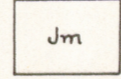
Intrusive rhyolite

PALEOZOIC ROCKS

-  Metasedimentary rocks: quartzites, phyllites, argillites, mica schists
-  Paleozoic granitic rocks:
 - Pzg Undifferentiated
 - Pzg₁ Medium- to coarse-grained leucogranite
 - Pzg₂ Medium- to coarse-grained equigranular biotite adamellite
 - Pzg₃ Fine- to coarse-grained inequigranular to porphyritic biotite adamellite
 - Pzg₄ Fine- to medium-grained granophyric leucogranite

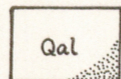

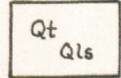
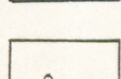
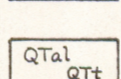
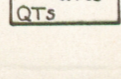




MESOZOIC GEOSYNCLINAL ROCKS

-  Marine rocks, chiefly limestones, of probable Neocomian age
-  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

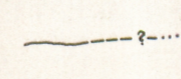
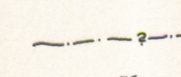
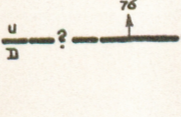
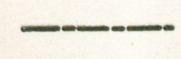
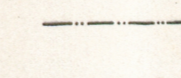

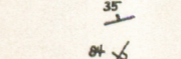



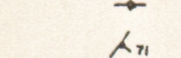



Liassic marine rocks

SEDIMENTS

-  Qal Stream channel deposits in youthful seaward-draining canyons and ravines
-  Colluvium and terrace deposits in lower Quebrada de Taltal stippled
-  Qt Nonmarine coverhead
-  Qls Landslide debris
-  Qm Marine terrace deposits
-  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, up-thrown 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.