

EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

Alluvium and colluvium

Volcanic rocks (felsite, dacite, and andesite)

Witnet Formation (arkose and conglomerate of Paleocene (?) to Eocene (?) age)

PLUTONIC ROCKS AND ORTHOGNEISS GROUP IV

Bootleg Canyon granodiorite

Old West Ranch monzogranite

Mendiburu Canyon granodiorite

GROUP III

Brushy Ridge and other late deformation leucogranite bodies

GROUP II

Hornblende gabbro, diorite, and amphibolite
of the Tehachapi Intrusive Complex

Biotite hornblende tonalite and quartz diorite of the Tehachapi Intrusive Complex (pt = Pine Tree body)

Highline olivine gabbro

GROUP 1

Mixed tonalite gneiss

Antelope Canyon garnet hornblende diorite gneiss

No Name Canyon biotite granite augen gneiss

Paradise Valley granite gneiss

Biotite hornblende quartz diorite gneiss

METASEDIMENTARY ROCKS

Oaks silicic metavolcanic rocks

Brite Valley group metasedimentary rocks

Antelope Canyon group metasedimentary rocks

Marble

Rand schist

Contact (queried where inferred)

Thrust fault

Detachment fault

High angle fault

Fault with uncertain orientation and extent

Trace of fold axis with inferred generation labeled

Extensive cataclasis of undifferentiated lithologies

Section boundary

Strike and dip of sub-solidus foliation or compositional layering

Sub-vertical foliation

Sub-horizontal foliation

Strike and dip of mylonitic foliation
or non-penetrative shear band

Strike and dip of cataclastic foliation

Strike and dip of primary igneous
compositional layering or foliation

Trend and plunge of mineral lineation

Strike and dip of bedding

Dip direction and dip of fault

Geochronology sample locality

