

KEY TO COMPILATION MAP AND TOPOGRAPHIC MAPS  
SOUTHERNMOST SIERRA NEVADA AND TEHACHAPI MOUNTAINS

- UNITS**
- QT Quaternary/Tertiary cover
  - Tv Tertiary hypabyssal volcanics
  - Tp Pliocene strata
  - Tm Miocene strata
  - Td Oligocene strata
  - Te Eocene strata
- UPPER CRETACEOUS**
- gr undifferentiated granitic plutons
  - CVL granodiorite of Claraville
  - peg pegmatite dike swarm
  - Bear Valley Springs igneous suite
  - MAd tonalite of Mount Adelaide
  - BVS tonalite of Bear Valley Springs
  - m-main; e-eastern; x-mixed phases
  - BP hypersthene tonalite of Bison Peak
  - TC metagabbro of Tunis Creek
  - SS metagabbro of Squirrel Spring
- MID-CRETACEOUS**
- um mafic-ultramafic intrusives
  - gneiss complex of the Tehachapi Mountains
  - TJ tonalite gneiss of Tejon Creek
  - WO diorite gneiss of White Oak
  - FC quartzite-leidspathic gneiss of Pastoria Creek
  - t-tonalite; g-granite gneisses
  - CP paragneiss of Comanche Point
  - ag augen gneiss of Tweedy Creek
- PRE-CRETACEOUS**
- ms Kings sequence metasedimentary septa
  - qfg quartzite-leidspathic gneiss
  - m marble
  - q quartzite
  - u granulite
  - dg diorite gneiss
- AGES UNKNOWN**
- RS Rand Schist
- SYMBOLS**
- notebook station
  - hand sample/thin section
  - photograph
  - strike/dip
  - strike/dip bedding
  - trend/plunge of lineation
  - contact, well exposed, approximate
  - fault, well exposed, approximate, covered, gradational
  - pegmatite dike swarm
  - geochronology/geochemistry location
  - special symbols
  - lithology
  - texture
- LITHOLOGY**
- C granite
  - Z quartz monzonite
  - R granodiorite
  - T tonalite
  - D gabbro/diorite/quartz diorite
  - U ultramafic
  - B marble
  - Q quartzite
  - F quartzite-leidspathic
  - S schist
- MINERALogy**
- u microcline
  - K muscovite
  - z zoned pyroxene
- TEXTURE**
- A annealed
  - X recrystallized
  - I igneous
  - M mylonitic/protomylonitic
  - augen gneiss/flasered
  - cataclastic
  - C cumulate
  - N granoblastic/gneissic



Plate 1 Geologic Map of the Southernmost Sierra Nevada and Tehachapi Mountains, Kern County, California