**UNITED STATES AIR FORCE**

**DESCRIPTION OF MAP UNITS**

- **Sedimentary units**
  - Slightly to moderately eroded
  - Mostly of alluvial and fluvial origin
  - Surficial units have upper surfaces that are capped by slight to moderately dissected soils

- **Granitic rocks**
  - Medium- to coarse-grained, foliated biotite-hornblende gneiss
  -ANIPLONIC BIOTITE GRANODIORITE, UNDIFFERENTIATED
  - Biotite is abundant in most of the tonalite
  - Contains very prominent halo of highly tourmalinized rock
  - Zircon ages: 112.9 Ma, 105.7 Ma, 104.5 Ma

- **Vulcanic rocks**
  - TONALITE CONTAINING DISCOIDAL MAFIC INCLUSIONS
  - Zircon age: 112.9 Ma
  - Mostly of tonalitic composition
  - Unit restricted to northern part of complex

- **Faults**
  - Faults inferred
  - Generally located within ±15 meters

### Surrounding 7.5' Quadrangles

- **San Gorgonio Mts**
- **Chino Hills**
- **Jurupa Valley**
- **Lake Perris**
- **I-215**
- **I-10**
- **I-15**
- **I-108**
- **I-5**
- **I-10**
- **I-15**

**Geologic Map of Steele Peak 7.5' Quadrangle, Riverside County, California**

*Version 1.0*

By
Douglas M. Norton

Digital preparation by
Rachel M. Altus and Yan M. Sloan

*U.S. Geological Survey*  
*Department of Earth Sciences*  
*University of California, Riverside, CA 92521*