

## Copper Commander Mine, Clark Mountains

16N 13E Sec. 01 SBM 35.50193999970 -115.52890000000 (Prospect)  
17N 13E Sec. 32 SBM 35.50920000010 -115.60774000000 (Mine)

The Copper Commander Mine Group consists of 4 claims in the Clark Mountain, 22 miles north of Cima. It adjoins the Copper World Mine on the northwest. Elevation is 5500 feet. Owner in 1953 was, Mike Conway of Cima, California. (From, Wright and others, 1953, p. 6, deposit #14)

The Copper Commander Mine is hosted on the surface by Goodsprings dolomite. The mine is west of the Mescal Thrust. The Copper Commander Prospect in T.16N. R.13E, Section 1, SBM (Tucker and Sampson, 1930. P. 209), is hosted by PreCambrian gneiss, and is east of the Clark Mountain fault. (Hewett, 1956, Plate. 1)

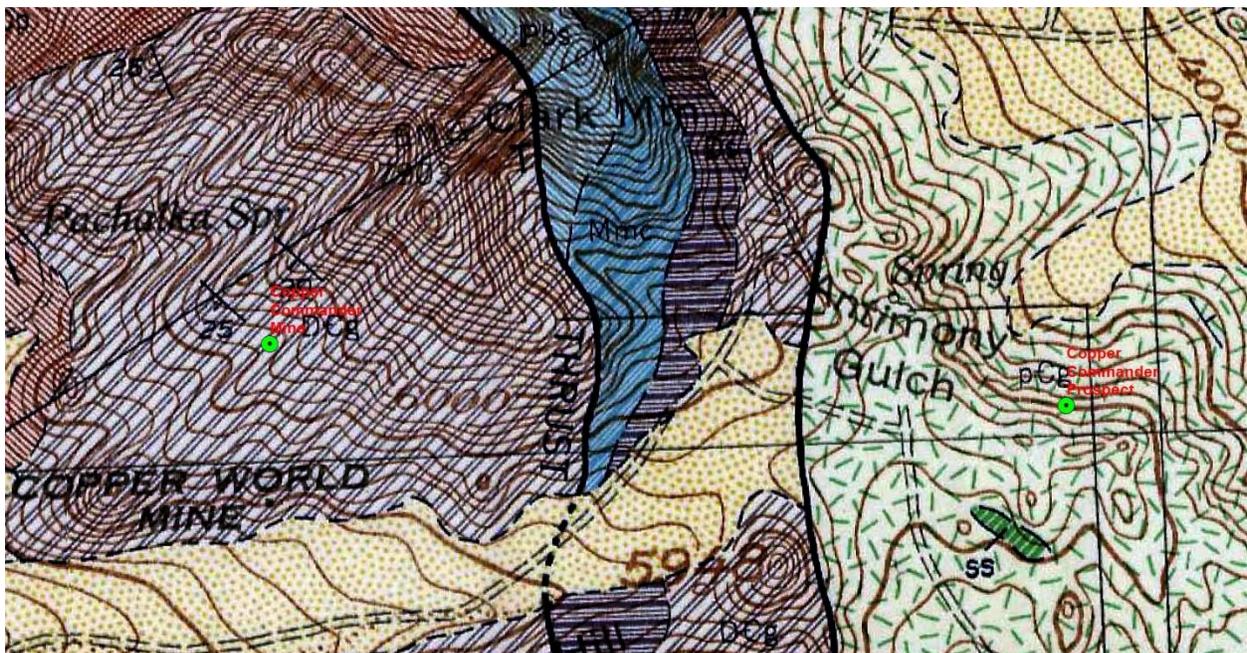


Figure 1. Geology of the Copper Commander Mine and Prospect and surrounding areas. From Hewett, 1956, Plate 1.

Wright and others (1953) say this mine is in Section 6 of T.16N, R.13E, but the topographic map does not show any mines there. The USGS mine database (2011) puts this mine in the southwest corner of Section 32, T.17N, R.13E near a shaft and several prospects. This is likely the correct location for the Copper Commander Mine.

The ore on this property occurs in a broad mineralized zone at the contact of granitic porphyry with limestone, the porphyry being intrusive into hard, gray-colored limestone. The copper ores occur throughout the porphyry for a considerable distance from the contacts. In the mineralized zone, which is about 200 feet wide and has a general northwest strike, veinlets of copper oxide ore occur. The ore is low grade, said to average about 4 per cent copper. Development consists of a tunnel driven southeast on the contact a distance of 140 feet, also a number of short tunnels and open cuts, all of which expose some ore. Idle. Southwest slope of Clark Mt. Mineralized zone 200 ft. wide at granite porphyry-limestone contact. Contains malachite, azurite and copper oxides with very little sulfide mineralization.

Explored by 140-ft. ad.it. Production is undetermined. Adjacent to Copper world. (From, Wright and others, 1953, p. 6, deposit #14; see also Eric 1948:302; Tucker 1924:193; 1930:209; 1931:268-269; 1943:433; Bibl: State Mineralogist's Report XX, p. 93.).