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188

ITEM 46

**McARTHUR-COPPER**

Alternate names: None

Commodities: Cu

**LOCATION-OWNERSHIP**

County ..... Lyon.  
 Mining district ..... Mason.  
 Elevation ..... 1,438 m.  
 Topography ..... Gentle.  
 Domain ..... Mixed; private and BLM administered.

General location ..... About 45 km southeast of Carson City.  
 Meridian ..... Mount Diablo.  
 Tract ..... Sec. 25, T 14 N, R 24 E.  
 Latitude ..... 39°02'56" N.  
 Longitude ..... 119°14'17" W.

Owner ..... The Anaconda Minerals Co., Denver, CO (a wholly owned subsidiary of Atlantic Richfield Co., Denver, CO) (1979).

**GEOLOGY**

Type of ore body ..... Replacement, breccia fill.  
 Origin ..... Contact metasomatic, hydrothermal.  
 Shape of ore body ..... Unknown.  
 Ore controls ..... Igneous, fracturing, faulting.  
 Strike of mineralized zone ..... N 70° W.  
 Mineral names ..... Chalcocite, pyrite, chalcopyrite, cuprite, malachite.

Host formation ..... Igneous intrusive.  
 Geologic age ..... Mesozoic.  
 Rock relationships ..... Quartz monzonite, replaced by ore, gangue.  
 Breccia, encloses ore, gangue.  
 Size ..... Large.

**DEVELOPMENT**

Current status ..... Inactive-explored prospect.

Discovery method ..... Trenching, drilling.

Last production ..... 1943.

Past production ..... Reported 5 carloads ore shipped in 1943 (695).

Distance to water supply ... <10 km.  
 Road requirement ..... <10 km.  
 Distance to power supply ... <10 km.

**PUBLISHED RESERVES-RESOURCES**

Class	Quantity	Grade	Year	Reference
1..Not reported in reference .....	13,000,000 tons .....	0.43% Cu .....	1976	822

**REFERENCES**

126, 128, 453, 567, 695, 822, 824.

USGS quad maps ..... Reno, 1:250,000.  
 Wabaska, 15'.  
 USBM sequence number ..... 0320190023.

Comments: Extensive exploration done by the Bureau in 1948-50; further drilling done by Anaconda Co. in 1974.



**Information Circular 9035**

# **Principal Deposits of Strategic and Critical Minerals in Nevada**

**By N. T. Lowe, Russell G. Raney, and John R. Norberg**



**UNITED STATES DEPARTMENT OF THE INTERIOR**  
**Donald Paul Hodel, Secretary**

**BUREAU OF MINES**  
**Robert C. Horton, Director**