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188

79

ITEM 47

BEAR—COPPER

Alternate names: None

Commodities: Cu, Mo, Au,
Ag

LOCATION-OWNERSHIP

County Lyon.
Mining district Mason Valley.
Elevation 1,329 m.
Domain Private.

General location About 54 km southeast of Carson City.
Meridian Mount Diablo.
Tract Sec. 4, T 13 N, R 25 E.
Latitude 39°00'47" N.
Longitude 119°11'24" W.

Owner The Anaconda Minerals Co., Denver, CO (subsidiary of Atlantic Richfield Co., Denver, CO) (1984).

GEOLOGY

Type of ore body Replacement; disseminated.
Origin Hydrothermal; oxidation.
Shape of ore body Unknown.
Ore controls Igneous; contact zone; faulting.
Mineral names Chalcopyrite, pyrite, bornite,
molybdenite.

Host formation Porphyry dikes.
Geologic age Tertiary.
Rock relationships Quartz monzonite, encloses ore, gangue.
Granodiorite, near ore.
Size Large.

DEVELOPMENT

Current status Inactive-explored prospect.
Type of operation Prospect.
Year of discovery 1961.
Discovery method Auxiliary mineral in place.

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	500,000,000 tons	0.40% Cu	1979	829

REFERENCES

453, 695, 822, 829.

USGS quad maps Reno, 1:250,000.
Wabaska, 15'.
USBM sequence number 0320190171.

Comments: The deposit does not outcrop and is deeply buried.

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