

BUCKINGHAM—MOLYBDENUM

Alternate names: AMAX Molybdenum Deposit, Rocky Mountain Energy Moly Deposit

Commodities: Mo, Ag, Cu,
W

LOCATION-OWNERSHIP

County Lander.
Mining district Battle Mountain.
Elevation 1,798 m.
Topography Rugged.
Domain Mixed; private and BLM administered

General location About 11 km southwest of Battle Mountain.
Meridian Mount Diablo.
Tract Sec. 30, T 32 N, R 44 E.
Latitude 40°36'56" N.
Longitude 117°03'42" W

Owner AMAX, Inc., Denver, CO (33%); Rocky Mountain Energy Co., Broomfield, CO (Union Pacific Corp.) (1984).
Operator AMAX, Inc. (1984).

GEOLOGY

Type of ore body Stockwork; disseminated.
Origin Hydrothermal; contact metasomatic.
Shape of ore body Massive; irregular.
Ore controls Igneous; fracturing.

Host formation Widely varying lithologies.
Geologic age Cambrian; Tertiary.
Size Large.

Mineralized zone average dimensions, m:
Length 2,000.
Width 1,200.
Thickness 640.

Mineral names Pyrite, molybdenite, pyrrhotite, chalcopyrite, sphalerite, galena, arsenopyrite, bismuthinite, freibergite, tetrahedrite, quartz, scheelite.

DEVELOPMENT

Current status Active-explored prospect.
Type of operation Prospect.
Year of discovery Undetermined.
Discovery method Ore mineral in place.

Distance to water supply ... Undetermined.
Road requirement Undetermined.
Distance to power supply ... Undetermined.

PUBLISHED RESERVES-RESOURCES

| Class | Quantity | Grade | Year | Reference |
|------------------------------------|-----------------------|----------------|------|-----------|
| 1..Not reported in reference | 907,000,000 tons | 0.06% Mo | 1982 | 701 |

REFERENCES

56, 381, 588, 590, 591, 592, 605, 606, 610, 693,
701, 706, 712, 717, 742, 794, 803, 813, 837.

USGS quad maps Winnemucca, 1:250,000.
Antler Peak, 15'.
USBM sequence number 0320150108.

Comments: Ore largely in fractures in hornfels and quartzites of the Harmony Formation (Cambrian).

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