

BOULDER CITY-MANGANESE

Alternate names: None

Commodities: Mn

LOCATION-OWNERSHIP

County Clark.
 Mining district Las Vegas.
 Elevation 671 m.
 Topography Rolling.
 Domain Municipality.
 Owner City of Boulder City, NV (1980).

General location About 39 km southeast of Las Vegas.
 Meridian Mount Diablo.
 Tract Sec. 23, T 23 S, R 64 E.
 Latitude 35°56'45" N.
 Longitude 114°47'23" W.

GEOLOGY

Type of ore body Sedimentary.
 Origin Hydrothermal; sedimentation.
 Shape of ore body Tabular.
 Ore controls Bedding; lithology.
 Strike and dip of mineralized zone East-west: 4° S.
 Mineralized zone average dimensions, m:
 Length 1,158.
 Width 716.
 Thickness 18.
 Depth 7.
 Mineral names Wad.

Host formation Muddy Creek.
 Geologic age Miocene.
 Rock relationships Gypsiferous sandstone, encloses ore, lies over and under ore.
 Tuff, lies over and under ore.
 Gravel, lies over ore.
 Size Medium.

DEVELOPMENT

Current status Inactive-explored.
 Type of operation Possible surface.
 Year of discovery 1941.
 Discovery method Ore mineral in place.
 Initial production No production.

Distance to water supply ... <10 km.
 Road requirement None.
 Distance to power supply ... <10 km.
 Mill location No mill.

PUBLISHED RESERVES-RESOURCES¹

Class	Quantity	Grade	Year	Reference
1..Indicated.....	1,000,000 tons.....	Average: 7.5% Mn; cutoff: 5% Mn.....	1949	407
2.. Do.....	3,000,000 tons.....	Average: 4.5% Mn; cutoff: 3% Mn.....	1949	407
3.. Do.....	6,000,000 tons.....	Average: 4.0% Mn; cutoff: 2% Mn.....	1949	407
4.. Do.....	15,000,000 tons.....	Average: 3.0% Mn; cutoff: 1% Mn.....	1949	407

REFERENCES

36, 41, 267, 354, 386, 407, 547, 721, 733, 844.

USGS quad maps Kingman, 1:250,000.
 Boulder City, 7.5'.
 USBM sequence number 0320030322.

¹Tonnages are cumulative and rounded to nearest million.

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
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