

0640 0005

Clark Co. - general

ITEM 31¹⁷⁹

VIRGIN RIVER—MANGANESE

Alternate names: None

Commodities: Mn

LOCATION-OWNERSHIP

County Clark.
 Mining district Virgin River.
 Elevation 439 m.
 Topography Hilly.
 Domain National recreation area.

General location About 61 km east of Las Vegas.
 Meridian Mount Diablo.
 Tract Sec. 13, T 20 S, R 67 E.
 Latitude 36°11'40" N.
 Longitude 114°27'28" W.

Owner United States (managed by National Park Service) (1985).

GEOLOGY

Type of ore body Sedimentary.
 Origin Hydrothermal, sedimentation.
 Shape of ore body Tabular.
 Ore controls Bedding, lithology.
 Strike and dip of mineralized zone. N 5° W: 30° E.
 Mineralized zone average dimensions, m:
 Length 1,460.
 Width 260.
 Thickness 7.
 Depth 39.
 Mineral names Wad.

Host formation Muddy Creek.
 Geologic age Pliocene.
 Rock relationships Shale, lies over ore.
 Gypsiferous sandstone, is ore.
 Basalt, lies over and under ore.¹
 Size Large.

DEVELOPMENT

Current status Inactive-explored.
 Type of operation Possible surface.
 Year of discovery 1902.
 Discovery method Ore mineral in place.
 Initial production No production.

Distance to water supply ... <3 km.
 Road requirement <50 km.
 Distance to power supply ... <50 km.
 Mill location No mill.

PUBLISHED RESERVES-RESOURCES^a

Class	Quantity	Grade	Year	Reference
1.. Measured	14,000 tons	Average: 17% Mn; cutoff: 15% Mn:	1949	407
2.. Do	55,000 tons	Average: 15% Mn; cutoff: 12% Mn	1949	407
3.. Do	134,000 tons	Average: 13% Mn; cutoff: 10% Mn	1949	407
4.. Do	215,000 tons	Average: 12% Mn; cutoff: 8% Mn	1949	407
5.. Do	320,000 tons	Average: 10% Mn; cutoff: 5% Mn	1949	407

REFERENCES

9, 262, 267, 291, 327, 353, 386, 407, 547,
 721, 726, 733

USGS quad maps Las Vegas, 1:250,000.
 Virgin Basin, 15'.
 USBM sequence number 0320030009.
 USGS MRDS number M031088.

¹A 4.5-m basalt flow separates 2 manganiferous beds.

^aTonnages are cumulative and represent minimum mining width of 0.95 m.

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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