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ITEM 44

GREYSTONE—BARITE

Alternate names: None

Commodities: BaSO₄

LOCATION-OWNERSHIP

County Lander.
Mining district Bullion.
Elevation 2,000 m.
Topography Hilly.
Domain BLM administered.

General location About 41 km south of Battle Mountain.
Meridian Mount Diablo.
Tract Sec. 26, T 28 N, R 45 E.
Latitude 40°16'27" N.
Longitude 116°52'21" W.

Owner Dresser Industries, Dallas, TX (1984).

GEOLOGY

Type of ore body Sedimentary, replacement.
Origin Sedimentation.
Shape of ore body Tabular.
Ore controls Bedding, lithology.
Strike and dip of mineralized zone. N 40° W: 30° S.
Mineralized zone average dimensions, m:
Length 900.
Width 110.
Thickness 90.
Depth 0.
Mineral names Barite.

Host formation Slaven Chert.
Geologic age Devonian.
Rock relationships Chert, encloses ore, gangue.
Shale, encloses ore.
Limestone, encloses ore.
Size Medium.

DEVELOPMENT

Current status Active-producer.
Type of operation Surface.
Mining method Open pit.
Year of discovery 1951.
Discovery method Ore mineral in place.
Initial production 1954.
Last production 1983.
Past production More than 3.6 million t mined, processed, and shipped (385).

Distance to water supply ... <3 km.
Road requirement None.
Distance to power supply ... On-site.
Mill location On-site.
Mill status Operating.
Milling method Crushing, screening, jigging.
Process rate 1,813 t/d.
Product type Crushed barite concentrate.
Distance shipped 46 km.
Destination Battle Mountain, NV.

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information.

REFERENCES

76, 87, 218, 283, 330, 346, 385, 392, 546, 548, 601, 693.

USGS quad maps Winnemucca, 1:250,000.
Mt. Lewis, 15'.
USBM sequence number 0320150073.
Mid number 2600411.

Comments: The Greystone is reported to be the largest producing barite mine in the country and one of the largest ever discovered and developed (385).

Information Circular 9035

Principal Deposits of Strategic and Critical Minerals in Nevada

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



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Donald Paul Hodel, Secretary

BUREAU OF MINES
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