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ITEM 44

YERINGTON—COPPER

Alternate names: Anaconda Copper, Empire Nevada

Commodities: Cu, Mo, Ag,
Au

LOCATION-OWNERSHIP

County	Lyon.	General location	About 53 km southeast of Carson City.
Mining district	Mason.	Meridian	Mount Diablo.
Elevation	1,365 m.	Tract	Sec. 16, T 13 N, R 25 E.
Topography	Rolling.	Latitude	38°59'01" N.
Domain	Private.	Longitude	119°11'35" W.
Owner ¹	Don Tibbals, Yerington, NV (1985).		

GEOLOGY

Type of ore body	Disseminated, stockwork.	Host formation	Yerington Batholith.
Origin	Hydrothermal.	Geologic age	Jurassic.
Shape of ore body	Massive.	Rock relationships	Quartz monzonite, ore in fractures, gangue.
Ore controls	Igneous, fracturing.		Granodiorite, ore in fractures, gangue.
Strike and dip of mineralized zone.	N 60° W: 05° W.	Size	Large.
Mineralized zone aver- age dimensions, m:			
Length	1,650.		
Width	490.		
Thickness	195.		
Depth	60.		
Mineral names	Chalcocite, bornite, covellite, pyrite, magnetite, chrysocolla, cuprite, tenorite, malachite, chalcocite, copper.		

DEVELOPMENT

Current status	Inactive-past producer, abandoned.	Distance to water supply ...	On-site.
Type of operation	Surface.	Road requirement	None.
Mining method	Open pit.	Distance to power supply ...	On-site.
		Mill status	Dismantled.
Year of discovery	1865.		
Discovery method	Ore mineral in place.		
Initial production	1953.		
Last production	1978.		
Past production	771,000 t Cu from 144 million t ore (49).		

PUBLISHED RESERVES-RESOURCES

Class	Quantity	Grade	Year	Reference
1..Not reported in reference	126,900,000 tons	0.343% Cu	1982	49

REFERENCES

25, 49, 126, 128, 140, 286, 295, 320, 360, 453, 467, 567, 574, 575, 666, 695, 822, 824.	USGS quad maps	Walker Lake, 1:250,000. Yerington, 15'.
	USBM sequence number	0320190001.
	USGS MRDS number	M030104.
	Mid number	2600085.

¹In 1982, Don Tibbals reached an agreement to purchase the Yerington property from the Anaconda Minerals Co., Denver, CO. At that time, Tibbals planned to convert most of the 3,295 ha (8,143 acres) into an industrial park, consisting of about 50 industrial buildings, 170 homes, 20 apartments, recreational buildings, and utilities including a sewage system.

Information Circular 9035

Principal Deposits of Strategic and Critical Minerals in Nevada

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UNITED STATES DEPARTMENT OF THE INTERIOR
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