YERINGTON—COPPER

Alternate names: Anaconda Copper, Empire Nevada

Commodities: Cu, Mo, Ag, Au

LOCATION-OWNERSHIP

County ................. Lyon.
Mining district ........ Mason.
Elevation .............. 1,385 m.
Topography ............ Rolling.
Domain ................. Private.

General location ........ About 53 km southeast of Carson City.
Meridian ............... Mount Diablo.
Tract ................... Sec. 16, T 13 N, R 25 E.
Latitude .............. 38°59'01" N.
Longitude ............. 119°11'35" W.

Owner* ................. Den Tibbals, Yerington, NV (1985).

GEOLOGY

Type of ore body .......... Disseminated, stockwork.
Origin .................. Hydrothermal.
Shape of ore body .......... Massive.
Ore controls ............. Igneous, fracturing.
Strike and dip of mineralized zone .... N 80° W; 05° W.

Host formation .......... Yerington Batholith.
Geologic age ............. Jurassic.
Rock relationships ........ Quartz monzonite, ore in fractures, gangue.
Granodiorite, ore in fractures, gangue.

Size .................... Large.

DEVELOPMENT

Current status ............ Inactive-past producer, abandoned.
Type of operation .......... Surface.
Mining method ............ Open pit.

Year of discovery .......... 1865.
Discovery method .......... Ore mineral in place.

Initial production .......... 1863.
Past production .......... 771,000 t Cu from 144 million t ore (49).

Distance to water supply .... On-site.
Road requirement .......... None.
Distance to power supply .... On-site.
Mill status .............. Dismantled.

PUBLISHED RESERVES-RESOURCES

<table>
<thead>
<tr>
<th>Class</th>
<th>Quantity</th>
<th>Grade</th>
<th>Year</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>126,900,000 tons</td>
<td>0.343% Cu</td>
<td>1982</td>
<td>49</td>
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</tbody>
</table>

REFERENCES

25, 49, 126, 128, 140, 286, 296, 320, 380, 453, 467, 567, 574, 575, 666, 695, 822, 824.

USGS quad maps .............. Walker Lake, 1:250,000.
Yerington, 15'.
USBM sequence number ........ 0202919001.
USGS MRDS number ............ M030104.
Mid number .................. 2600085.

*In 1982, Den 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 3,286 ha (8,148 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

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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