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ITEM 35

BALD MOUNTAIN—GOLD

Alternate names: BF Claim Group, Top Group

Commodities: Au

LOCATION-OWNERSHIP

County ..... White Pine.
Mining district ..... Bald Mountain.
Elevation ..... 2,440 m.
Topography ..... Mountainous.
Domain..... BLM administered.

General location ..... About 130 km northwest of Ely.
Meridian ..... Mount Diablo.
Tract..... Secs. 16, 17, 18, T 24 N, R 57 E (unsurveyed).
Latitude ..... 39°57′55″ N.
Longitude ..... 115°34′31″ W.

Owner-operator ..... Placer U.S., Inc., San Francisco, CA (subsidiary of Placer Development Ltd., Vancouver, BC, Canada), 75% ownership (1984).

GEOLOGY

Type of ore body ..... Disseminated.
Origin..... Probably hydrothermal.
Shape of ore body ..... Unknown.
District ore controls .... Faulting, lithology.
Strike and dip of district rocks. Northwest: 10° to 20° E.
Mineralized zone development dimensions, m:

	Area 1	Area 3	Area 5	Top area
Length	600	600	600	760
Width	600	460	300	760

Mineral names ..... Unavailable
(Known district minerals include quartz, jasper, pyrite, calcite, stibnite, malachite, chrysocolla, cerussite, powellite, molybdenite.)

Host formation ..... Unknown.
Geologic age..... Unknown.
Rock relationships..... Limey shales, surface, at drill roads.
Limestone, surface, at drill roads.
Size ..... Small.

NOTE: Past district gold production came from veinlike replacement deposits in breccia zones (some jasperoid) along northwest-, northeast-, or north-striking faults in limestone; northwest- or west-striking quartz veins in quartz monzonite porphyry, and valley placers.

DEVELOPMENT

Current status..... Active-testing; exploration; development.
Type of operation ..... Surface.
Mining method ..... Conventional open pit.

Year of discovery ..... Exploration since 1975.
Discovery method ..... Geochemical; drilling.

Initial production ..... 1983 (initial testing).
Last production ..... Ongoing.
Past production ..... For 2 months, 109 kg (3,500 tr oz) Au was produced from 60,000 t of ore during test heap leaching (1983) (*499*).

Distance to water supply ... On-site; deep well.
Road requirement ..... Access—13 km improvement; 3 km new.
Distance to power supply ... Unknown.
Mill location ..... On-site.
Mill status ..... Construction.
Milling method ..... Conventional cyanide heap leach—study ongoing whether carbon-adsorption or zinc precipitation for gold recovery.

PUBLISHED RESERVES-RESOURCES

Class	*Quantity*	*Grade*	*Year*	*Reference*
1..Reserves indicated.....	1,600,000 t.....	3.43 g/t Au	1981	563
2..Not reported in reference[1]	200,000 tons	0.10 tr oz/ton Au	1983	495
3..Indicated and inferred	2,800,000 tons	0.09 tr oz/ton Au	1984	499

REFERENCES

58, 284, 495, 499, 563, 577, 587, 618, 785.

USGS quad maps ..... Ely, 1:250,000.
Cold Creek Ranch, 15′.
USBM sequence number ..... 0320330503.

Comments: In 1983, mining of 230,000 t of ore from Area 5 at the rate of 1,800 t/d began for test heap leaching. Tests were scheduled to begin in September 1983 and end in June 1984. Intensive ongoing exploration in 1983 was defining reserves in the 3 other adjacent areas. Reserves are contained in 6 deposits.

[1]This resource was described as minable reserves for test work.

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
Robert C. Horton, Director