

BULLION MONARCH—GOLD

Alternate names: Polar Resources Pit

Commodities: Au, Ag

LOCATION-OWNERSHIP

County	Eureka.	General location	About 30 km northwest of Carlin.
Mining district	Lynn.	Meridian	Mount Diablo.
Elevation	1,770 m.	Tract	Sec. 10, T 35 N, R 50 E.
Topography	Hilly.	Latitude	40°55'03" N.
Domain	BLM administered.	Longitude	116°20'37" W.
Owner-operator	Universal Gas (Montana), Inc., Elko, NV (1984).		

GEOLOGY

Type of ore body	Vein (fault zone); disseminated.	Host rocks	Roberts Mountains and Volcanics.
Origin	Hydrothermal.	Geologic age	Devonian (Roberts Mountains), Tertiary (Volcanics).
Shape of ore body	Podlike (along fault zone).	Rock relationships	Fault gouge, contains ore, is ore. Limestone, lies under ore (footwall). Volcanics, lies above ore (hanging wall).
Ore controls	Faulting; fracturing.	Alteration	Jasperoid, near ore. Silicification (gold zone), argillic (carbonate wall rock).
Strike and dip of mineralized zone.	N 50° W; steeply northeast.	Size	Small.
Age of mineralization ...	Miocene.		
Mineralized zone aver- age dimensions, m:			
Length	270.		
Width	Unknown.		
Pit depth	6 (estimated 1982).		
Mineral names	Quartz, iron oxides, clays.		

DEVELOPMENT

Current status	Active-producer.	Distance to water supply ...	On-site, developed.
Type of operation	Surface.	Road requirement	Developed to site.
Mining method	Conventional open pit.	Mill location	On-site.
Past production	More than 90,000 t ore produced by 1981 (728).	Mill status	Active.
		Milling method	Carbon-in-pulp cyanide.
		Process rate	180 t/d (peak load 360 t/d).

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information; however, published grade is 0.2 tr oz/ton Au (see comments) (690).

REFERENCES

182, 183, 593, 690, 728.	USGS quad maps	Winnemucca, 1:250,000. Rodeo Creek NE, 7.5'.
	USBM sequence number	0320110214.
	Mid number	2601343.

Comments: Average grade ranges from 7.5 to 56.6 g/t Au; highest grade reaching 240 to 270 g/t Au.

Information Circular 9035

Principal Deposits of Strategic and Critical Minerals in Nevada

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