Gibrallar 1991 Anniky. 883396

OLYBDENUM P		/ I	PRODUCTION	RESERVES(1)(2)				
	% Ouneship lear	Poduction (Mousand ths.)m	Milliped (million fons)	0,000	Peconery (%)	Ore (million tons)	(%) (%)	
ndako Mine	100% 1990 1989	14,289 14,312 12,859	10.5 10.7 10.2	0.082 0.080 0.076	82.9 83.0 82.9	142.3 147.4 153.8	0.082 0.083 0.088	-
Sibraltar Mine(1)	68.1% 1990 1989	808 1,463 1,196	•	*		165.8 180.4 184.1	0.009 0.009 0.009	
Total	1991 1990 1989	15,097 15,775 14,055		*		*		-
The Corporation's Share	1991 1990 1989	14,840 15,309 13,674	•	*		*	•	

Figures represent 100% of results of mines.
 The Corporation's share of molybdenum contained in proven and probable reserves of operating mines, at year-end (thousands of pounds): 1991 — 253,700; 1990 — 267,300; 1989 — 293,700.
 Molybdenum is a by-product at the Gibraltar Mine.

The **Gibraltar Mine** (68.1% owned) in British Columbia produces copper and molybdenum in concentrate as well as refined copper from dump leaching and electrowinning. In 1992 it celebrates its 20th year in production.

Production of copper in concentrate was at the same level as in 1990. Higher throughput and head grade were offset by lower recoveries as a result of a higher proportion of oxide

ore in the millfeed. Production of refined copper from leaching waste dumps, at 7.3 million lbs., was lower due to lower grade solutions. Trenching of dumps to evaluate solution percolation problems and testing of methods are being undertaken to improve productivity. Molybdenum production was sharply reduced because a combination of low prices and low head grades made production uneconomic for a period.

The introduction during the year of larger mining equipment, namely a 40 cubic-yard shovel and six 240-ton trucks, will have a significant long-term beneficial impact on future mining costs.

As part of environmental reclamation permitting required by the Government of British Columbia, a comprehensive closure plan was submitted to the Ministry of the Environment.

COPPER PRODUCTION AND RESERVE STATISTICS

MINE	PRODUCTION			ION	RESERVES(1)(2)				
	% Omnessij	Podiction (thousand the	Milled (million tons)	(%)	Pesonery (%)	Cash production, Cost production, (Stile y,	Post posterior (Str. y.) Or (million y.)	(%)	
Equity Silver Mine ⁽³⁾	58.8%	10.870 13,786 13,921		0.22 0.28 0.29		*	2.5 6.5 9.0		
Gibraltar Mine ⁽⁴⁾	68.1%	70,736 72,609 70,475		0.31 0.30 0.29		\$0.87 \$ 0.85 \$ 0.81	165.8 180.4 184.1	521 VI 31 E 3 100	
Marcopper Mine ⁽⁵⁾	39.9%			•		•	198.0		
Total		81,606 86,395 84,396				* *	*		
The Corporation's Sha	re	54,596 57,588 56,213		•		•	•		

(1) Figures represent 100% of results of mines.

(3) Copper is a by-product at the Equity Silver Mine.

(4) Molybdenum is a by-product at the Gibraltar Mine. Cash and total production costs per ounce include smelter charges but are net of by-product credits.

(5) Commercial production from the San Antonio deposit is expected to commence in the second quarter of 1992. The deposit also contains minor amounts of gold and silver mineralization. The reserves related to these by-products, however, have not been included in the gold and silver production and reserves statistics tables.

⁽²⁾ The Corporation's share of copper contained in proven and probable reserves of operating mines, at year-end (thousands of pounds): 1991 — 1,404,000; 1990 — 800,000; 1989 — 824,800.