

NOTE TO: FILE

FROM: D G TONKIN

DATE: 14.5.82

CATTLE GRID MINE PRODUCTION TO MARCH 1982

The following production figures - ie for concentrates produced, mill feed and related grades - were obtained from I McRae, Mine Superintendent, in May, 1982.

Figures for metals other than Cu actually mined are based on estimated average ore grades for Zn, Pb, Co, Bi and Ag.

DGT

1. COPPER PRODUCED IN CONCENTRATES

<u>Y E MARCH</u>	<u>TONNES CU</u>	<u>TOTAL CU, T</u>
6me M 1975	4,008	4,008
YEM 1976	8,814	12,822
YEM 1977	9,319	22,141
YEM 1978	11,079	33,220
YEM 1979	12,473	45,693
YEM 1980	10,468	56,161
YEM 1981	10,698	66,859
YEM 1982	12,541	<u>79,400 t</u>

2. COPPER MILLED

<u>PERIOD</u>	<u>TONNES ORE MILLED</u>	<u>HEAD GRADE</u>	<u>TONNES CU METAL</u>
6.5 Yrs E March 1981	3,624,011 t	1.97% Cu	71,393 t
Y E March 1982	735,948	1.80% Cu	13,243 t
TOTAL :			<u>84,636 t</u>

3. CONCENTRATES PRODUCED

<u>PERIOD</u>	<u>TONNES OF CONCENTRATE</u>	<u>CU %</u>	<u>TONNES CU</u>
6.5 Yrs E March 1981	153,523 t	43.49%	66,767 t
Y E March 1982	30,722 t	40.6%	12,473 t
	<u>184,245 t</u>		<u>79,240 t</u>

4. SILVER PRODUCTION

- Assuming 150g/tonne of concentrate

Total Concentrate	=	184,245 tonnes
Estimated contained Ag	=	$\frac{184,245 \times 150}{31}$ oz
Total Ag	=	<u>891,508 oz Ag</u>

5. OTHER METALS MINED

(NB Mill Recoveries Substantially lower)

1) <u>Zinc</u>	Approx Average Ore Grade	=	0.4% Zn
	Ore Mined to March 1982	=	4.4 million tonnes
	Estimated contained Zn	=	<u>17,800 tonnes Zn</u>
2) <u>Lead</u>	Approx Average Ore Grade	=	0.2% Pb
	Estimated contained Pb	=	0.2% x 4.4 million tonnes
		=	<u>8,800 tonnes Pb</u>
3) <u>Cobalt</u>	Approx Average Ore Grade	=	540 g/t
	Estimated contained Cu	=	4.4 x 550 t
		=	<u>2,400 to Co</u>
4) <u>Bismuth</u>	Approx Average Ore Grade	=	74 g/t
	Estimated contained Bi	=	4.4 x 74 t
		=	<u>325 t Bi</u>
5) <u>Silver</u>	Approx Average Ore Grade	=	11.5 g/t
	Estimated contained Ag	=	4.4 x 11.5 t
		=	50.6 tonnes Ag
		=	<u><u>1,600,000 oz Ag</u></u>