

020007

To Denis Gregoire

Copy to R. Buckley
R. Visagie
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From Robin Tolbert

Date February 23, 1984

Subject DEFINED FARO RESERVES

The Faro reserves as of June 13, 1984 are as follows:

Type	Reserves (000 Tonnes)	Lead %	G R A D E			Cut-Off % Pb+Zn	Source
			Zinc %	Silver g/mt			
Geological Reserves before Mining	57,583	3.4	5.7	-	5.0	1	
Remaining Geological Reserves	33,000	3.0	4.6	36	4.0	2	
Mineable Open Pit Reserves	25,200	2.9	4.3	36	4.0	2	
Oxide Stockpile	1,363	2.9	4.7	33	n/a	2	

Sources

1. As per June 13, 1983 memo attached
2. As per June 13, 1983 memo attached

Note:

Remaining Geological and Mineable Open Pit Reserves are based on the F3 MINTEC model which has been adjusted on November 19, 1982 as follows:

Grade - Lead, Zinc and Silver have been reduced by 5% in all phases
Tonnage - NA phase - 15%; all other phases - 5%

Further, as of February 21, 1984 the following additional Reserves have been defined:


Area	Category	Tonnes (000)	Lead%	Zinc%	Ag g/mt	Cut-off %Pb+Zn
Zone III S.E. Ramp	Proven Geological Reserves	.203	3.7	4.5	60.0	4.0 *
Zone III SW U/G Extension	Proven Geological Reserves	1.95	5.2	7.3	73.8	7.0 **

Note:

* Based on Polygonal Reserve Estimation Method, 100' x 100' centres, S.G. of 3.3, and average thickness of 44.6 feet.

** Based on average thickness of ore in Drill Holes, with a minimum width of 13 feet of ore greater than 7% Pb+Zn, 300' x 400' centres, and an S.G. of 4.1

Possible or Geologically Inferred Reserve estimates are not included in the above reported figures.


R.S. Tolbert

ANVIL DISTRICT TONNAGE AND GRADE COMPILATION

<u>DEPOSIT</u>	<u>RESERVES</u> (000 Tonnes)	<u>GRADE</u>				<u>SOURCE</u>
		Lead %	Zinc %	Silver g/mt	Cutoff %Pb+Zn	
<u>FARO</u>						
Geological Reserves Before Mining	57,583	3.4	5.7	-	5.0	1
Remaining Geological Reserves	33,000	3.0	4.6	36	4.0	2
Minable Open Pit Reserves	25,200	2.9	4.3	36	4.0	2
Oxide Stockpile	1,363	2.9	4.7	33	n/a	2
<u>GRUM (62W-86W only)</u>						
Geological Reserves *	30,781	3.1	4.9	49	4.0	3
Minable Open Pit Reserves	16,875	3.0	4.9	47	4.0	3
<u>VANGORDA</u>						
Geological Reserves (2W-28E)	7,080	3.4	4.3	48	4.0	5
Minable Open Pit Reserves (2W-18E)	5,189	3.4	4.2	47	4.0	5
<u>DY</u>						
Geological Reserves	20,267	5.7	7.0	82	9.0	6
	11,049	6.7	8.0	100	12.0***	6
<u>SWIM</u>						
Geological Reserves	4,750	3.8	4.7	42	6.0**	7
<u>TOTAL</u>						
Geological Reserves - Before Mining	120,461	3.7	5.6	-	n/a	
- Remaining	95,878	3.7	5.2	51	n/a	
Minable Open Pit Reserves	47,264	3.0	4.5	41	4.0	

* NO REFINED ESTIMATES OF UNDERGROUND GEOLOGICAL RESERVES AVAILABLE.

** INFERRED MINIMUM %Pb+Zn USED IN RESERVE CALCULATIONS.

*** FOR GEOLOGICAL RESERVE TOTAL DY 9% CUTOFF RESERVE USED.

All tonnage figures adjusted for 1981 specific gravity reductions.

All geological and open pit reserves adjusted for dilution.

SOURCES

- 1) Pennebaker, E.N. (1967) Report to Anvil Mining Corp. dated 3 October, 1967 reported in Cyprus Anvil correspondence to J.F. Oik from J.C. Devitt 4 December, 1975.
- 2) Purkis, J. (1982) November 19, 1982 Reserve Summary; Cyprus Anvil Mining Corporation in-house report
- 3) Clarke, P.I. (1981) October 1, 1981 Reserve Summary; Cyprus Anvil Mining Corporation in-house report.
- 4) Tolbert, R.S. (1982) November 19, 1982 Reserve Summary; Cyprus Anvil Mining Corporation in-house report.
- 5) Rollings, R.W. (1982) January 1, 1982 Reserve Summary; Cyprus Anvil Mining Corporation in-house report.
- 6) Kavanaugh, P.M. (1966) Ore Reserves Calculations, Swim Lakes "A" Group, Yukon dated 27 December, 1966; Kerr-Addison in-house memorandum.