

ANVIL DISTRICT TONNAGE AND GRADE COMPILATION

006162

DEPOSIT	RESERVES (000 Tonnes)	GRADE				SOURCE
		Lead %	Zinc %	Silver g/mc	Cutoff %Pb+Zn	
<u>FARO</u>						
Estimated Total Sulfide Resource*	63,500- 68,000	n/a	n/a	n/a	n/a	
Geological Reserves Before Mining	57,583	3.4	5.7	-	5.0	1
Remaining Geological Reserves	34,103	3.0	4.6	35	4.0	2
Remaining Geological Reserves	37,660	2.8	4.4	34	3.0	2
Minable Open Pit Reserves	27,828	2.9	4.3	36	4.0	2
Minable Open Pit Reserves	31,369	2.8	4.2	34	3.0	2
Oxide Stockpile	1,633	2.9	4.7	33	n/a	2
<u>GRUM (62W-86W only)</u>						
Estimated Total Sulfide Resource	60,000- 80,000	n/a	n/a	n/a	n/a	
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 (2W-12E only; excludes E Extension)</u>						
Estimated Total Sulfide Resource	22,000	n/a	n/a	n/a	n/a	4
Geological Reserves	4,950	3.3	4.3	48	4.0	5
Minable Open Pit Reserves	4,294	3.3	4.3	47	4.0	5
<u>DY</u>						
Estimated Total Sulfide Resource	80,000-100,000	n/a	n/a	n/a	n/a	
Geological Reserves	21,060	5.5	6.7	84	9.0	6
	11,049	6.7	8.0	100	12.0	6
<u>SWIM</u>						
Estimated Total Sulfide Resource	8,000	n/a	n/a	n/a	n/a	
Geological Reserves	4,750	3.8	4.7	42	6.0**	7
<u>TOTAL</u>						
Estimated Total Sulfide Resource	233,500-278,000	n/a	n/a	n/a	n/a	
Geological Reserves - Before Mining	113,600	3.7	5.7	46	n/a	
- Remaining	90,150	3.8	5.6	56	n/a	
Minable Open Pit Reserves	50,000	3.0	4.6	40	4.0	

* ALL RESOURCE ESTIMATES CALCULATED FROM IDEALIZED DEPOSIT DIMENSIONS AND REPRESENT TOTAL TONNAGE OF SULFIDE DEPOSITS.

† NO REFINED ESTIMATES OF UNDERGROUND GEOLOGICAL RESERVES AVAILABLE.

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

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. Olk from J.C. Devitt 4 December, 1975.
- 2) Clarke, P.I. (1982) January 1, 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) Chisholm, E.O. (1957) "Geophysical Exploration of a Lead-Zinc Deposit in Yukon Territory" in Methods and Case Histories in Mining Geophysics, 6th Commonwealth Mining and Metallurgical Congress, pp. 269-277.
- 5) Clarke, P.I. (1981) May 1, 1981 Reserve Summary; Cyprus Anvil Mining Corporation in-house report.
- 6) Rollings, R.W. (1982) January 1, 1982 Reserve Summary; Cyprus Anvil Mining Corporation in-house report.
- 7) Kavanaugh, P.M. (1966) Ore Reserves Calculations, Swim Lakes "A" Group, Yukon dated 27 December, 1966; Kerr-Addison in-house memorandum.

Most recent

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.