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To J. C. Devitt

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From D. J. Hanson

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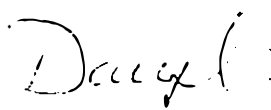
Subject 1977 ORE GRADES - 11,000 SDT/DAY

Date December 30, 1976

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Attached is a copy of the expected feed grades for 1977 by month for the first quarter and by quarter for the last three quarters. Grades were calculated using the following parameters:

- 1) Milling rate of 11,000 SDT/Day
- 2) April 1975 Tonnage and Grade Model
- 3) Dec. 7, 1976 Mining Schedule, modified to 11,000 SDT/Day
- 4) 3.50 SDT/BCY
- 5) November 30, 1976 Pit Status
- 6) Maximum of 7.5% Zn per Tonnage Block
- 7) Maximum of 6.8% Pb per Tonnage Block
- 8) Overall reduction of 0.2% Zn

  
D. J. Hanson  
Mine Geologist

DJH/mm

cc. B. Ferguson

Attach.

**CYPRUS**

CIFROS MEXICO MINING CORPORATION  
**PRODUCTION AND GENERAL ADMINISTRATIVE**

1977 @ 11,000 SDT/DAY

	Jan.	Feb.	Mar.	1st Qtr.	Apr.	May	June	2nd Qtr.	1st Half	July	Aug.	Sept.	3rd Qtr.	3rd Qtr. YTD	Oct.	Nov.	Dec.	4th Qtr.	Qtr. REV.	Memo YTD Plan	
<b>Feed Grade %</b>																					
Lead	2.8	3.6	3.0	3.11	2.9	2.9	2.9	2.9	3.00	2.9	2.9	2.9	2.9	2.97	3.1	3.1	3.1	3.1		3.00	
Zinc	5.2	5.4	4.7	5.09	5.2	5.2	5.2	5.2	5.14	5.2	5.2	5.2	5.2	5.16	5.0	5.0	5.0	5.0		5.12	
Total	8.0	9.0	7.7	8.20	8.1	8.1	8.1	8.1	8.14	8.1	8.1	8.1	8.1	8.13	8.1	8.1	8.1	8.1		8.12	
<b>Cu. Yds. Moved (000's)</b>																					
Waste & Low Grade																					
Ore																					
Total																					
<b>Tons Milled (000's)</b>	341	308	341	990	330	341	330	1001	1991	341	341	330	1012	3003	341	330	341	1012		4015	
<b>Mill Feed (000 lbs)</b>																					
Lead																					
Zinc																					
<b>Metal Recovered (000 lbs)</b>																					
Lead Select																					
Bulk																					
Total Lead																					
Zinc Select																					
Bulk																					
Total Zinc																					
<b>Recoveries %</b>																					
Lead Select																					
Bulk																					
Total Lead																					
Zinc Select																					
Bulk																					
Total Zinc																					
<b>Concentrate Grades %</b>																					
Select Lead																					
Select Zinc																					
Bulk - Lead																					
Bulk - Zinc																					
Silver in Sel. Pb																					
Silver in Bulk Pb																					
Fe in Sel. Zinc																					
Fe in Bulk																					

C.C. B. Ferguson