

002857

To

J. C. Devitt

Date

January 31, 1975

From

D. J. Hanson

Subject

MILLED VS. MINED ORE
JANUARY - DECEMBER 19741) Milled:

Milled tonnage (SWT) and grade was obtained from the monthly metallurgical balances for January to December 1974.

2) Mined:

An estimate was made of tonnage (SWT) and grade mined during 1974. The tonnage was obtained from the pit production truck count. Grades were derived from blasthole assays for the pit production and the crusher stockpile movement. Grades for the low grade stockpiles were obtained from rotary test hole drilling.

3) Results:

	<u>Tonnage (SWT)</u>	<u>Pb</u>	<u>Zn</u>	<u>Pb + Zn</u>
a) Milled	2,971,273	4.5	5.6	10.1
b) Mined				
Pit	2,070,335	4.3	5.5	9.8
Crusher S.P.	587,300	4.3	5.5	9.8
L.G. Yellow	221,846	2.7	4.5	7.2
L.G. Red	26,524	3.4	5.8	9.2
Total	2,906,005	4.2	5.4	9.6

4) Discussion:

- a) A variance of -65,268 tons was recorded for mined vs. milled tonnage. Assuming all ore haulage by Dart trucks, this variance indicates a truck factor of 61 tons per truck.
- b) The variance of -0.5% Pb + Zn represents an error of 5% in estimating total metal content. Some of this variance reflects errors in the sampling of the low grade stockpiles.



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DJH/mm

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