

MEMORANDUM

TO: W. Krats FROM: P. Pettigrew

SUBJECT: ADJUSTMENTS TO PROJECTED ORE GRADES - DATE: August 8, 1973

PART 2: 1972 ORE

Introduction:

This report attempts to use the methods outlined in the writer's report dated June 29, 1973 for an historical evaluation of the ore mined in the period January 1 to December 31, 1972.

During the above period, both sub-zones A and C were exploited extensively (and somewhat equally) as sources of mill feed; the present study is thus an effective test of the writer's zonal hypothesis as well as an effective long-term (i.e. 12-month) test case of the possible effect(s) of corrections to Pb-Zn grade projections.

Summary:

Blast hole data from the first and second halves of 1972 were classified and Pb and Zn assay frequency distributions were compiled for each half. Results confirmed and enlarged upon conclusions in the June 29, 1973 report: Pb is zonally distributed and Zn is fairly homogeneous (although varying in degree of homogeneity).

Reworking this data into "actual" Pb and Zn assay frequency distributions and working DDH data for the volume of rock extracted into equivalent distributions seems to reinforce these conclusions and the hypothesized reasons for discrepancies in projected vs experienced Pb-Zn metal tons in the ore removed.

Recommendation:

Corrected grades for 1974 are as follows:

Pb: 4.1%

Zn: 5.7%*

* This includes allowance for a maximum Zn of 7.5% per tonnage block.

P. M. Pettigrew
Geologist

PMP/mm