

000786

MEMORANDUM

J. Keily

TO: R. L. Haffner
FROM: P. M. Pettigrew
DATE: August 18, 1972
SUBJECT: 1972 DEVELOPMENT DIAMOND DRILLING, A PRELIMINARY SUMMARY

The development drilling was completed on August 16th and a total of 6906 feet were drilled. Sixteen (16) holes were drilled through the sulphide intersection(s) to waste.

The core from these holes is presently being split. This work should be completed before the end of this month. Assays are being carried out for Pb, Zn and Cu on same and already around 50% of the drilling has been tentatively assessed on unidimensional basis. It is anticipated that this will eventually be incorporated into the overall bench plan revisions for zones #1 and #3 being carried out at present.

In D. S. Jennings' memorandum of 3.3.'72 red, blue, yellow and black areas of decreasing priority were designated. The first three priorities were completed in the program and the last one 50% completed; two additional holes were drilled outside these priorities. The holes drilled are located on the isopach map attached.

It is suggested that a minimum of 18 holes should be drilled (in 1973) amounting to a total of 6550 feet; these holes are also shown on the accompanying map with the expected maximum depths. Once these are drilled, ore zones #1 to 3 inclusive could be regarded as satisfactorily delineated (unless any contingent holes are required).

It will be noted that two holes previously drilled (1966 #33 and 1971 #5) should be deepened to further test ore probably located at somewhat greater depths.

Apart from the holes to be deepened the above proposed program would amount to \$80,000 at \$12.00 per foot. This would allow for all anticipated contingencies.

Small amounts of core material are being made up into 30' - 50' composites from each of the holes which intersect the main body of ore in this year's program (72 - 1 to 3 and 72 - 6 to 8). These are to be assayed for Pb, Zn, Cu, Ba and testing will be carried out to determine silica, pyrite and pyrrhotite content of same.

As it would appear that our low grade ore shown on bench plans (5-7%) could have large amounts of pyrite (i.e. are massive sulphides low in Pb/Zn) further testing may have to be done on historical material.

Certainly if the presently proposed testing proves useful, it will be carried out on a routine basis in the future. The metallurgical department has suggested standard flotation tests be carried out on a similar basis.



P. M. Pettigrew
Ore Control Geologist

PMP/mm

cc. J. Keily
N. Cornish

Attach.

TENTATIVE OUTLINE OF RESULTS OF 1972 DIAMOND DRILLING

Holes 1 to 3 and 6 to 8 (see map) were drilled on 200' centres to obtain a more detailed ore control picture for ore to be mined (in some cases) this year and (in all cases) next year. Holes 4, 5 and 9 to 16 were drilled on 300' centres to further outline the lateral extent of zones 1 and 3.

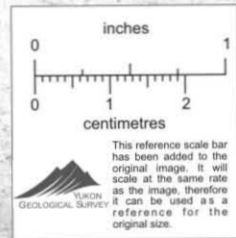
#1 adds around 50,000 tons of ore to the reserves, #2 and #3 establish ore already projected and holes #6 and #8 change the anticipated ore picture very slightly.

#7 seems to challenge more strongly than ever the notion that massive sulphides = ore. 180' of more or less continuous (< 2% Pb + Zn) massive pyrite has been intersected by this hole. This pyrite seems to correlate with a 30' band noted in the recent cross-section revisions. The loss resulting from this is experienced on three bench levels which amounts to about 150,000 tons of ore lost.

Holes #4 and 5 added small amounts of ore; in all around 50,000 tons and #9 - 12 added insignificant amounts. Hole #14 encountered zero sulphides (none was really expected).

Hole #13 could have considerable impact on the S.W. corner of zone #3, possibly adding 100,000 tons of ore (minimum). This depends on the two 650' holes proposed further along the transverse section (see map). Hole #15 added a possible 25,000 tons of ore.

Hole #16 encountered 214' of sulphides which probably in fact adds around 100,000 tons of ore.



ANVIL MINING CORP.
 FARO
 isopach map Faro 1-3, showing
 contours of equal sulphide
 thicknesses. Intervals 50'
 scale 1" = 400'
 date 1 Mar '72 dwg FX-7255
 FILE 1 pmp

LEGEND:

- ② 1972 diamond drilling
- 100' proposed holes
- 600' holes to be deepened

