

# Whitehorse Copper Mines Ltd.

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## MEMORANDUM

Date: January 3rd, 1977.

TO: V.V. Jutronich  
FROM: A. Hureau  
RE: Arctic Chief Exploration

The attached sketches are provided to support a proposal for further drilling in the Arctic Chief area. Figs. 4 and 5 show that the Arctic Chief pendant is in the order of 3,500' long ( Little Chief 2,500' ), and up to 2,000' wide at surface ( Little Chief 1,000' ). If the dip of the diorite contact on the west side of the pendant is continuous, and if the dip on the east side is comparable, then the size of the Arctic Chief pendant 1,200' below surface would be comparable to that of Little Chief at surface.

The pendant which contains both pits as well as a 300' low grade mineralized zone south of the east pit, has been tested at depth by only AC 40 and AC 41. The latter hole drilled in November, 1976, to test for a possible extension of the ore in the east pit, was continued to test for a possible extension of the mineralization in AC 40.

AC 41 was in skarn for 563' before entering limestone. The skarn contained only patchy copper mineralization, the best section of which was 2' at 1.12% copper, and 0.099 oz./ton gold. Copper mineralization in the hole was normally associated with a later chlorite, serpentine, phase of skarnification, the intensity and pervasiveness of which might be expected to increase with depth.

The size of the pendant, its location - two miles from the mill, mineralization similar to Little Chief and the extensive skarn development, make the area an attractive target.

Four holes aggregating 6,000' are proposed as a preliminary test of the area.