

Whitehorse Copper Mines Ltd.

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P.O. Box 4280, Whitehorse, Yukon Territory, Canada Y1A 3T3
telephone (403) 668-2171, Telex 036-8-218

MEMORANDUM

Date: December 28, 1979

TO: D. Linzey
FROM: D. Tenney
RE: BRIEF EXPLORATION SUMMARY FOR 1979

Twenty-four exploration holes (9,400 feet) were drilled on the Whitehorse Copper Belt during 1979. Work was concentrated on the Cowley Park area, where early in the year the Cowley Park South Deposit was discovered. The best two of eleven holes drilled into this deposit returned intersections of 99.0 feet at 2.01% copper, and 52.2 feet at 2.38% copper. Grades present in the other nine holes were much poorer. Small quantities of molybdenite, silver and gold were also present.

Weakly mineralized skarn was also intersected in surface holes drilled at Brown Cub, Kodiak Cub, North Star and Arctic Chief.

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MEMORANDUM

Date: May 22nd, 1979

TO: D. Tenney
FROM: A. Hureau
RE: EXPLORATION SUMMARY TO MAY 22nd, 1979

COWLEY PARK

From March 21st to May 19th, 1979 eighteen holes aggregating 6451 feet were drilled in the Cowley Park area. Drilling charges were \$100,734 or \$15.62/ft.

Thirteen
Eleven holes were drilled on the south contact of the Cowley Park pendant. Two of the holes, CP 81 and CP 88, had intersections of 99 feet at 2.01% copper and 52.2 feet at 2.38% respectively. Copper was intersected in each of the other eleven holes on this zone but the intersections were narrow and of good grade or of low grade (0.3 - 0.6 % Cu) and up to 160 feet in length.

The localization of mineralization appears to be erratic and a good deal more drilling would be required to determine the extent of the higher grade zones. Present drilling indicates that they are probably less than 200,000 tons.

The most westerly holes on this contact intersected only 14 feet at approximately 1.5% copper. The contact does extend approximately 2000 feet west of this hole.

One hole, CP 84, was drilled down dip of the main Cowley Park zone and intersected 41.6 feet at 1.57% copper.

The other six holes drilled to test IP or mag anomalies intersected magnetic intrusive rocks or pyritic sediments.

BROWN CUB

The drill is being moved to approximately 1500 feet east of Black Cub South pit to test a weakly magnetic IP anomaly on strike with the Black Cub Zone. Cost of this holes is estimated to be \$12,000 to \$13,000.

EXPLORATION SUMMARY TO MAY 22nd, 1979 - CONTINUED

KODIAK CUB

Approval has been given to drill two holes to test for depth extensions of known mineralization. Cost is estimated at \$18,000.


SUITS OPTION

A contract has been let to cut approximately eighteen line miles of grid at a cost of \$5,000. This will be followed by ground mag, mapping and soil sampling. An IP survey will be completed if funds are made available.

NORTH STAR, ARCTIC CHIEF, BEST CHANCE

One hole in each of these areas has been approved at a total cost of \$22,000. Owing to overspending approximately \$52,000 in the Cowley Park area to follow up intersections, funds will have to be approved to complete this drilling.

The budget should be increased from \$140,000 to \$180,000 to drill the approved holes and complete the IP survey on the Suits option.


A. Hureau