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BLACK CUB EXPLORATION DRILLING

The magnetometer and EM-16 surveys over the main area of interest at Black Cub were finished on February 25th, 1970. The EM-16 has given no additional information as to rock changes and faults. The interpretation of the complex results of this survey should be done by a geophysist.

The Magnetometer survey has increased the complexity of the area. There are three main magnetic zones. The Black Cub North area is open on the west side (towards Grizzly Cub) and consists of three main zones. Each of the peaks in this zone should be drilled. It would appear that the zones run grid east-west and dip steeply north. The magnetics only give a slight idea of dip. Since BLC-1 through 4 made intersections on the basis of an assumed north dip, these additional four holes should give intersections and define strike and grade over strike. The next phase will be to define dip over the strike length.

The Central Black Cub Zone had one drill hole (BLC-5) on the extreme eastern portion. The dips and strikes of the magnetic zone are poorly defined by the magnetometer. The important thing is this zone is open to the west (like North Black Cub). The highs cover a relatively large zone and do not define the dip of the magnetite zones at all well. It would appear that the northern portion dips north and the southern, south. Based on these assumptions the three drill holes are designed to intersect the maximum width of magnetic anomalies as normal to the dip as can be assumed.

The Black Cub South Zone is divided into two separate portions. The first is a long linear anomaly with a peak near line 3200E and open to the west and the second and major anomaly drilled with BLC-6 through 9 Diamond Drill holes. These holes were through the major portion of the anomaly. Two more holes are proposed to define grade with strike to the east of the known mineralization. The one hole on the centre of the magnetic anomaly on section 3200E should define the grade of this portion.

Recommendations:

Phase I

Drill ten holes to define grade and strike of the magnetic anomalies noted by the magnetic survey.

<u>Hole #</u>	<u>Latitude</u>	<u>Departure</u>	<u>Attitude</u>	<u>Length</u>
BLC-10	2900N	2700E	60 deg. S	300'
BCL-11	2875N	2800E	60 deg. S	300'
BLC-12	2700N	2800E	60 deg. S	300'
BLC-13	2275N	2800E	60 deg. N	300'