

KERR ADDISON MINES LIMITED

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To P.M. Kavanagh.

From W.M. Sirola.

Subject History of Swim Lakes "A" Group Exploration.

Date November 15th, 1965.

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W.S.R.
K.P.G.
J.F.S.
E.E.
P.D.S.
<u>C.H.A.</u>
G.H.
K.
G.H.V.
E.S.
G.F.R.
K.L.
<u>E.C.I.</u>

Since Mr. A. Kulan and his emissaries have currently been making representations as to his role in this project, I think it is time that you received as complete a compilation as we can assemble on the history of the project.

The first point to clarify is the idea of conducting an airborne aeromagnetic survey in the Vangorda area. As you are well aware, and as I have stated in the past, I first became intrigued with this possibility after reading Chisholm's article in the "6th Commonwealth Mining and Metallurgical Volume" published in 1957. It is your recollection that I raised this topic during our first meeting in Vancouver in December, 1960.

For the sake of simplicity, I will list the history of what happened thereafter in chronological order:

October, 1961:

Vancouver office Monthly Report, Paragraph 5 suggests that we give consideration to a combined magnetic-electromagnetic survey of a 10 x 20 mile area in the Ross River region. We believe that the 10 x 20 mile programme was suggested for the 1962 budget but was disallowed.

November 30th, 1961:

Suggested programme for 1962 season, by A. Kulan. Second last paragraph mentions large area centred on Ross River for E.M. survey.

Summer, 1963:

Noranda's Elsec fitted with analogue read-out by Crone Geophysics. Equipment made available to Kerr on part time basis.

September 4th, 1963:

Calculations made of Vangorda magnetic response and various altitudes above terrain. From these calculations the aeromagnetic survey was deemed feasible and photo mosaics were ordered for the project.

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September 25th, 1963:

Test runs flown over Vangorda deposit. 300 gamma response obtained at 300 ft. altitude.

September 26th - October 3rd, 1963:

Aeromagnetic survey on Swim Lakes area.

October 10th - 15th (?), 1963:

Staking of Swim Lakes "A" Group.

September, 1964:

Gravity survey located large anomaly on Swim # 25 mineral claim.

June, 1965:

Drilling of gravity anomaly on Swim # 25 M.C. commenced. Large sulphide mass located.

There can be no doubt that A. Kulan had in mind a large area which he felt was amenable to E.M. surveying. He had blocked out this area on the Tay, Sheldon, Quiet Lake and Finlayson topographic sheets, and we received these in Vancouver about December 1st, 1961. They are on file in case they are required. However, the actual area selected for the aeromagnetic survey was chosen because it ^{met} the requirements necessary for successful operation of the survey. The aircraft used in this work was a Hiller 12E. The combined weight of equipment and passengers was in excess of 500 lbs. It was considered essential that the aircraft maintain a constant altitude of 350 ft. at an average speed of 60 m.p.h., or less. In order to achieve this, no severe topographic gradients could be tolerated. The area centred on Swim Lakes was the only area either northwest or southeast of Vangorda Creek which met these requirements. From the limited geological mapping of the area, the Swim Lakes region appeared to be geologically similar to the Vangorda area, and was topographically ideal. In the final analyses, selection of the area was a joint effort in the sense that Kulan was certainly much more familiar with the general terrain and I was much more familiar with the requirements and the dictates of the job. During the course of

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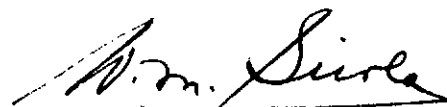
the work, Kulan served as navigator while I kept the magnetic equipment in operation and noted the topography on the chart.

Numerous equipment problems arose during the course of the survey, which I somehow managed to resolve. The selection of the significant anomalies, and the decision to stake, were mine. It was Kulan's recommendation that we stake 48 claims, and with this I concurred. The strike length of the Swim Lakes "A" Group anomaly is approximately 9,000 ft., or 6 claim lengths, and it is possible that Kulan's impression regarding the staking of only 6 claims arose from this fact. As you know, a 6-claim group would barely cover the anomaly, and would afford no down-dip protection whatsoever.

SUMMARY:

- (1) The choice of the aeromagnetic survey was mine. Kulan had in mind an E.M. survey.
- (2) The final choice of area was a joint effort.
- (3) The conduct of the actual survey was my effort. In this I was assisted by Kulan, who acted as flight navigator and camp organizer.
- (4) The selection of anomalies for staking was my effort.
- (5) The suggestion to stake 48 claims was first made by Kulan and agreed to by me.
- (6) The mineralized zone was finally located by gravity survey. This gravity survey was recommended by me in the summer of 1964.

Please understand that this dissertation is meant purely to record the events in the order in which they occurred, and to try to put the whole situation into its proper perspective. It is also done with the intent of possibly preventing more erosion of the facts than have already occurred as a result of representation by other individuals.



William M. Sirola.