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KERR-ADDISON GOLD MINES LIMITED 0934

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To W. M. Sirola From P. M. Kavanagh	8.C.8.1
	H.A.P.
Subject. Sue Group, Cariboo Mining Division, B.C. Date June 23	3/64
With reference to your letter memorandum of June 19 about this property I approve your recommendation not to execu a Bill of Sale for the Sue 19-22 claims.	

Noticing your use of the first person plural throughout the memorandum I wander whether you are using it like Pope Paul does or whether the 'we' refers to yourself and Mrs. Wilson. In any event thinking about it here has added a note of humour to our day.

Paul M. Kavanagh

Chief Geologist - Exploration

PMK:dh

JUN 23 1964

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

To P.M. KAVANAGH. From W.M. SIROLA.

Subject SUE GROUP - CARIBOO MINING DIVISION, B.C. Date June 19th, 1964.

The Sue 1 - 18 McC.'s were recorded on June 13th, 1963 by Nicholas Bird, on the basis of positive geochemical tests taken from creek silts, and from silts deposited by spring-like seepages. He later staked the Sue 19 - 22 McC.'s, and these were recorded on July 15th, 1963.

In May of this year, largely with the intent of keeping them busy, we sent Shuttleworth, Osborne and McCracken into the area, to see what they could accomplish in the way of geophysical and geological work on the property. On the Sue 19 - 22 M.C.'s, they ran nine lines with the Crone 1800 c/s E.M. equipment. and completed 12 lines with the Sharpe magcrometer. Osborne, who was to have done the geological mapping, reported no outcrop, despite the fact that Bird had shown three rock-types on these four claims. Of the nine lines covered with the E.M. equipment, five were correctly done and four were not. A definite, weak to moderate negative anomaly was found on lines 137 N. - 145 N. Since this anomalous area was in the near vicinity (albeit downhill) of Bird's positive geochem results, we were obliged to determine the validity of the work, and managed to borrow a dual-frequency E.M. unit from Noranda for this purpose. We also managed to hire a former Noranda employee, Magnus Bratlein, who had used the equipment before, and who turned out to be an able and conscientious worker.

Bratlein's results indicate that a moderate (-8°) high frequency anomaly extends northward from line 133 to line 145. The ratios of L.F. to H.F., however, is so low (0 - 0.5) that the anomaly is considered to be caused by a wet clayey fault zone, roughly parallel with the Quesnel River. At first, the anomaly was considered to be caused by clayey soil, but we now feel that it is too confined to have such an origin.

Since the geochemical anomalies on Sue No. 20 were taken from spring-deposited silts, these confined silt pockets could well have acted as copper concentrates in the manner of hot-spring deposits. In addition, we have no idea as to how far the water in these springs has travelled subterraneously, and, therefore, it might be very difficult to trace the source of the copper.

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While the high frequency anomaly is a linear feature, at least 1,200 ft. long, the failure of this anomaly to respond to lower frequency suggests that it is not caused by mineralization.

Conclusions :

We do not recommend executing the Bill of Sale, from Nick Bird to Kerr Addison, for the Sue 19 - 22 M.C.'s, which are due to lapse on July 15th, 1964, nor do we recommend any further work on these claims. The Sue 1 - 18 M.C.'s lapsed on June 13th, 1964.

// William M. Sirola.

Milan

WMS/iw.