

016088

## KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)


SEP 13 1967

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To P. M. Kavanagh From W. M. Sirola

Subject Swim Lakes "A" Group -  
1967 Soil Sampling Program Date September 12, 1967

Enclosed are two copies of a map showing the results of the soil sampling. One copy is coloured.

The most significant result of this work is that the main mineralized zones located on claims Swim #10 and Swim #25 have a pronounced geochemical fan which extends downhill a distance of approximately 2,000 feet. Judging by the lead-zinc ratios, much of this fan was formed by hydromorphic dispersion. 

A similar fan occurs downslope from the weak gravity anomaly located on Base Line 3 between 89W and 93W. There is however, one significant difference between this fan shaped anomaly and the one below the main mineralized zone. The lead-zinc ratios in the anomaly located on claims 14, 15 and 16 are quite different in the sense that the average lead content approximates or exceeds the zinc content in many instances. This suggests to me that the anomaly was formed either by soil creep from the weak gravity anomaly or it is caused by ice movement from the main mineralized zones on Swim #10 and #25. The direction of ice movement in this area is approximately east-west.

Possibly the matter could be resolved by doing some magnetic work over the weak gravity anomaly. It is possible that our airborne work could have missed this particular target.

The 100 ppm Pb anomaly on Swim #18 should be similarly investigated as should the 40 ppm Pb anomaly on claims 33, 35 and 36.

The one loophole I can think of in the ice movement theory is that there is a gap between the main mineralized zone and the geochemical fan on claims Swim #14, 15 and 16. One would expect that ice movement would have left a train of mineralized float all the way from the source to the anomaly. There is a distinct gap on Swim #12. Since however, the topographic gradient on Swim #12 is quite steep, it is possible that any boulder train left there by ice action could have worked itself downslope by soil creep. Hence the cause of the anomaly on Swim #14, 15 and 16 remains to be determined. It appears to emanate from the vicinity of the weak gravity anomaly but the ice action theory remains to be disproved.

Possibly you should get a second opinion on this situation from someone like Richard Kloos.

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To.....From.....

Subject.....Date.....

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The samples were collected at variable depths but always approximately 6" below the ash layer which, as you know, covers much of the Yukon. It could not be said that they were collected from a distinct "B" horizon, but most of the samples were probably from the soil above the "B" horizon, if such a horizon can be said to exist.



W. M. Sirola.

WMS/lk  
Encl. 2

of 7/2-7.  
JUL 19 1967

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(FOR INTER-OFFICE USE ONLY)

To ..... P. M. Kavanagh ..... From ..... W. M. Sirola .....

Subject ..... Swim Lakes "A" Group - Soil & Silt Sampling ..... Date ..... July 7, 1967 .....

W.S.P.
K.C.C.
A.S.
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R.
R.
P.
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R.
C.
A.S.
G.A.R.
K.C.
<u>E.C.</u>

We finally received a note from B. W. Brown to the effect that by the end of June, 436 samples had been collected and had been mailed to Coast Eldridge in Vancouver. These were not sent air express and consequently will take perhaps 10 days to reach here.

Brown finally got the memoranda I have written in the past month and I understand that a report on the Kay group and a progress report on the "A" group are now in the mail.

At the rate he is going, Brown should have no difficulty in completing the work in the allotted time.

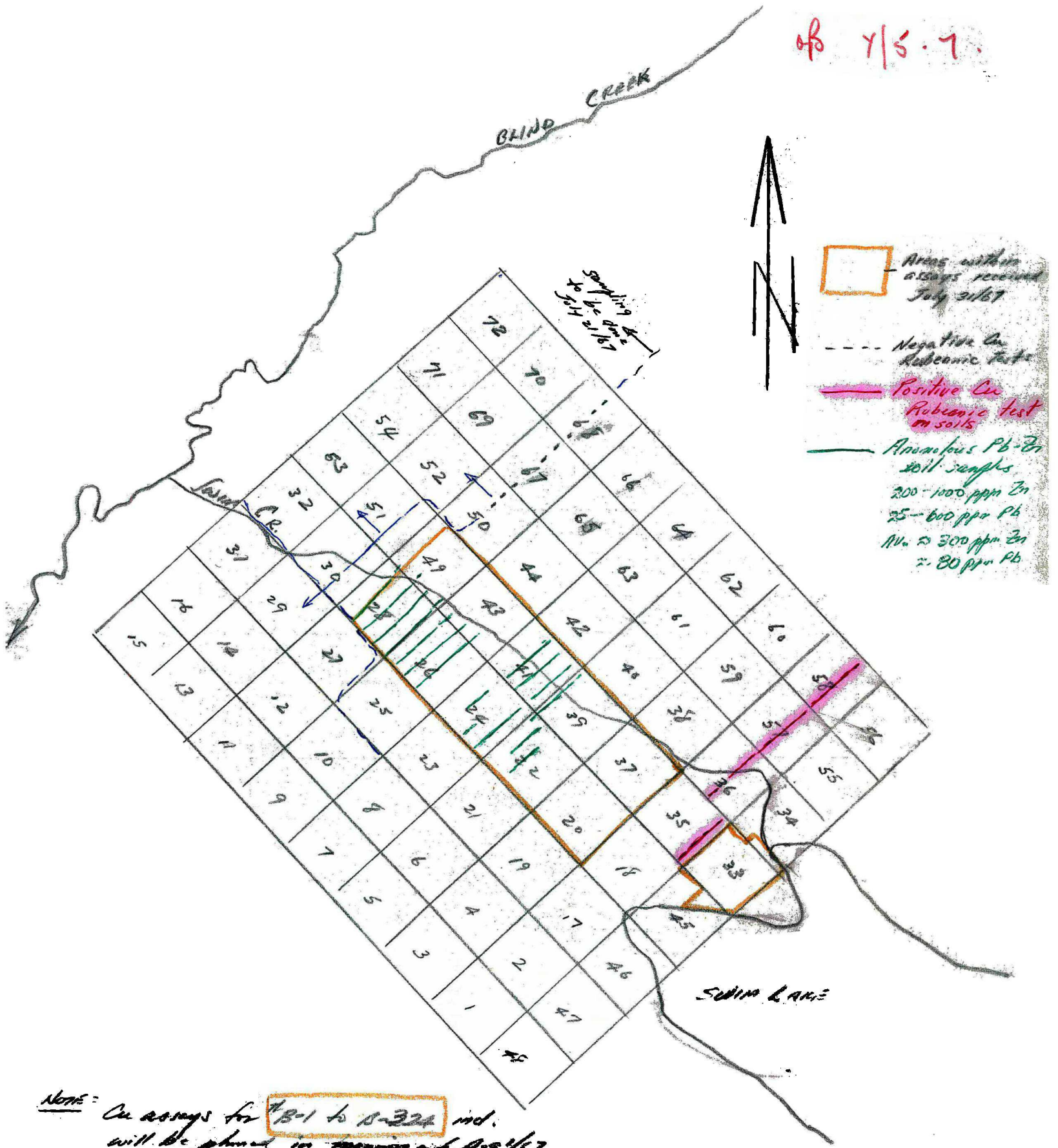
When I talked to him by radio today, he was using the Cominco radio so I have asked him to return the S. & T. radio which we rented for him. Should you want to contact him by mail, his mailing address is: c/o Kerr Addison Mines Limited, Swim Lakes, via Ross River, Y.T. The only way to reach him by radio is to call Northwest Expediting in Whitehorse. Northwest have a schedule with Cominco at 7:00 A.M. and 7:00 P.M. Whitehorse time.

Presumably Cominco optioned the Mogar group which butts onto the northeast corner of the Swim group because there are two gravity highs on this property, one of which is near the boundary of Swim #56.

I feel quite certain that the soil sampling results will indicate whether or not additional gravity work on the "A" group is justified.

*Bill*  
W. M. Sirola.

of 7/5-7.



NOTE: Cu assays for 18-1 to 18-32 ind. will be planned in morning of 8-9-67.

Swim Lakes A Garra  
STEVEN SHERMAN  
Program on Soil  
Sampling & Analysis  
LINES  
July 31, 1967