

of BC/9
DEC 27 1966

KERR ADDISON MINES LIMITED

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093m

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

Subject Hautete Creek Group, Omineca M.D. - Date December 22, 1966
Drilling Recommendation.

BC-9

- W.S.R.
- K.C.G.
- J.H.S.
- E.F.
- R.D.S.
- R.C.B.
- P.M.K. ✓
- G.W.M.
- R.O.M.
- C.K.W.
- J.B.S.
- G.P.R.
- K.F.L.
- J.L.B.
- E.C.I.

I have once again reviewed all of the data on this group and again I recommend that the "A" anomaly be drilled.

I am aware that the geochemical results are weak, but the fact that the strong E.M. anomaly occurs nearly in contact with a large intrusive mass suggests to me that there may be a strongly brecciated zone in the adjacent argillites. This is a northeasterly trending zone and contrasts with the northwesterly regional trend. There is no indication that the rocks which form the anomaly are part of a continuous belt of similar rocks. If the rocks are continuous, they are not conductors.

Fred Chow advises that there is a layer of hard clay below the "B" horizon and this could well prevent the migration of copper ions into the "B" layer in that area. I concede, however, that the stream silts are not anomalous.

I believe Noranda has a jeep road into their Haut group which adjoins the Kam claims on the Kam southwest corner, but since communication with Noranda has become so difficult, I have not found out what work they have done.

I am advocating one drill hole in the heart of the E.M. anomaly for the aforementioned reasons and because I would not like to see a repetition of what happened on the Gal group in the Yukon.

I have recommended the drilling of the hole proposed by Sirola & have included it as a budgeted item for 1967.

*PMK
Jan. 18 /67.*

W. M. Sirola
W. M. Sirola.

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of Bell

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- J.B.
- E.C.J.

To W. M. Sirola From P. M. Kavanagh Date December 6th, 1965.
Subject Geochemical Survey Results, Anomalies "A" & "B", Hautete Creek Group, B.C.

This will confirm my remarks over the phone yesterday which referred to the talk I had with Archie Bell after receiving your November 30th memorandum written in reply to mine of November 29th.

Archie is not at all impressed with the geochem results. Apparently Noranda got good positive copper results from their silt sampling in the Newman peninsula and also from the "B" horizon in the profile holes that a Clews' man dug on the property. He rather feels that our results are reflecting pyrite mineralization which Noranda has found in at least several places in the region, including their Haut Group to the south of our group.

Although I don't think we are justified in forming any drilling plans now, I do think that we should pause and see what results we get on our other properties in the region; maybe they might encourage us to review our Hautete Group thoughts.

Paul M. Kavanagh
Chief Geologist - Exploration.

PMK:sw

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BC-9 file

DEC 2 1965

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

Subject Hautete Creek, B.C. - "A" and "B" Anomalies. Date November 30th, 1965.

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Upon receiving this memo I brought all of our data to the attention of Archie Bell who agreed with Clews that the geochemical results on both the "A" & the "B" were not very substantial. I advised Bill of Archie's comments & of what Archie told me of the very positive geochem indications they found on their Newman Peninsula property.

I told Bill that I was not in favor of any immediate drilling plans but thought that they were should pause & wait & see what our geophys coverage of our other Sabir groups turns up.

This will reply to your memorandum of November 29th on this subject.

PMK
Dec-2/65

To say the very least, I am astonished at Dr. Clews's interpretation of our geochemical results. The samples collected from the "A" and "B" anomalies were taken from transported soils similar to those which cover 99% of the Province of British Columbia.

Don't you think it rather fortuitous that the relatively high samples, which Dr. Clews feels resulted from sampling or analytical error, should be in alignment and parallel to the long axes of the E.M. anomalies ?

We were very much aware that some high values were found on the edges of swamps. These were deliberately not contoured, and the outlines of the swamps were shown.

After reading your memorandum I called Noranda's office here and talked to George Camsell, who worked on the Newman Peninsula deposit. He told me that the only time positive results were obtained from the soils was when they took samples within three feet of the actual bedrock surface during the course of their diamond drilling programme. It was his feeling that the thirty feet, or so, of clay overburden effectively prevented any copper dispersion. We may be dealing with a very similar situation on the Hautete Creek anomalies. The soil samples they had previously collected from depths up to two feet, and which were run by the hot Hcl method, gave negligible copper values. I had got the same impression from talking to Joe Adie of Canex, who had also seen the Noranda geochemical map. It is, of course, possible that a geochemical map exists about which the Noranda people here are saying nothing, and which may indicate positive results.

All this is not to suggest that I think there is underlying mineralization which has commercial values in copper. I do suggest, however, that Clews's interpretation of our work leaves much to be desired. I am particularly amazed at his statement that transported soil cover is a rare occurrence in the Cordillera. Does he think the glaciers somehow failed to reach British Columbia ?

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

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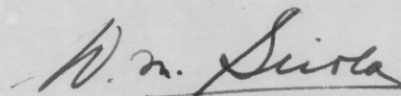
- 2 -

It is my recommendation that we drill anomaly "A" as soon as there is sufficient run-off water for this purpose, and that we get the drill to this location while the ground is still frozen.

*Have written my comments
at top of first page.*

W.M.K.

Dec 2/65.



William M. Sirola.

WMS:iw.

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To W. M. Sirola From P. M. Kavanagh
Subject "A" & "B" Anomalies, Hautete Creek Group, B.C. Date November 29th, 1965.

Clews had a look this morning at the geochem maps attached to your memoranda of November 24th and 25th. He doesn't think the results are very encouraging at all.

He offered the information that samples taken in the geochem survey over the Newman Peninsula deposit had yielded results in hundreds to thousands parts per million copper. That sampling also definitely showed a drainage pattern which indicated that the area contained good copper mineralization.

On our Hautete Creek maps he notes that the few relatively high samples commonly occur singly rather than in groups of several or more contiguous ones; he says there is a high probability that single high readings are caused by sampling or analytical error. He noted the slight build-up in the values in the eastern side of the Anomaly "B" grid but he also noted the fact that lower swampy ground occurs there and thus he rather discounted the build-up. Apparently such low swampy ground in the Newman Peninsula property had a very strong build-up.

About the only next step he thought might be justified would be take a series of samples through intervals in each of several holes dug through possibly 10 feet of soil profile, in an effort to make sure that the soil was not entirely transported. He points out that transported soil cover is a rare occurrence in the Cordilleran, and therefore the chances of our negative results being the result of that are minor, of course.

Personally, I'm rather inclined to think we have "kicked the cat" here about long enough, but would like to have your comments in the light of Clews' opinions of our geochem results. It's hard to think gravity work is justified knowing that our geochem results are very definitely inferior to those obtained on the Newman Peninsula property.

Paul M. Kavanagh
Chief Geologist - Exploration.

PMK:sw

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NOV 26 1965

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To P.M. Kavanagh. From W.M. Sirola.
 Subject Hautete Creek Group - "B" Anomaly. Date November 25th, 1965.

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E.C.J.

Yesterday's memorandum entitled "Hautete Creek "B" Anomaly - Soil Geochemistry" should read "A" anomaly. In any case, this memorandum pertains to the "B" anomaly, and I have no enlightening comments regarding the geochemistry that I have not already made in my previous memorandum on the "A" anomaly. Again, the geochemical high is of the same order on the "B" anomaly as we had on the "A", and it is the same sort of linear feature.

I also enclose a rather crudely marked-up copy of the magrometer survey of the entire Hautete Creek Group. From this map, you will see that both "A" and "B" E.M. anomalies line up in a northeasterly direction, and both are on the edges of an intrusive mass of diorite-gabbro. The trend of both anomalies is north-eastward, in contrast with the regional northwesterly trend. Since there is no outcrop in the vicinities of the anomalies, I can only assume, from the magnetics, that anomaly "A" occurs either in a sediment, or acid volcanic, but anomaly "B" is more difficult to interpret. It appears to be very close to the intrusive contact.

With luck, one or both of these could turn out to be mineralized zones controlled by a strong northeasterly shear pattern, but I am not very optimistic about their copper content in view of the very weak anomalies found in both cases. We will ultimately send you a much neater contour magnetic sheet.

Wm. Sirola
 Wp. William M. Sirola.

WMS:iw
 Encls: