

008653

## KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

RECEIVED  
AUG 31 1965

KERR ADDISON GOLD MINES LTD.

To Mr. W. M. Sirsta From F. Chow, Swin Lakes 'A' Group, J.T.  
 Subject Sample Chits for D.D. Holes A-5 Date August 24, 1965

D.D. Hole # A-5

<u>Footage</u>	<u>Sample</u>	<u>Sample Nos</u>
270-280'	sludge	989
280-290'	"	990
290-300	"	991
<hr/>		
276-281'	core	992
-291	"	993
-297	"	994
-303	"	995
-306	"	996

D.D. Hole # A-6

140-150	sludge	997
150-160	"	998
<hr/>		
160-163.5	core	999
163.5-166	"	1000

Above samples were sent to Whitehorse Assay Office for assaying.

Yours truly,  
F. Chow

# KERR-ADDISON GOLD MINES LIMITED

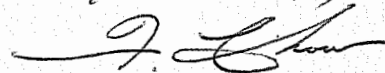
(FOR INTER-OFFICE USE ONLY)

To Mr. W.M. Sirola From F. Chow, Seim Lake "A" Group, Y.T.  
 Subject Sample Chits for D.D.Hoses A-5 and A-6 Date August 30/65

Dear Bill:

The following samples will be shipped to Whitehorse Assay Office for assaying =

<u>Sample No</u>	<u>D.D.H. No</u>	<u>Footages</u>	<u>sample</u>
001	A-5	306 - 312	core
002		- 315	"
003		- 320.1	"
004		- 325	"
005		- 330	"
<hr/>			
006	A-6	166 - 171	"
007		- 176	"
008		- 181	"
009		- 184.7	"
010		- 190	"
<hr/>			
011	A-5	268 - 272	" quarter; redrock
012		- 276	" " " "
<hr/>			
013	A-5	330 - 335	"
014		- 340	"
015		- 345	"
016		- 350	"

yours truly,  


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SEP 10 1965

KERR ADDISON MINES LIMITED  
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KERR ADDISON GOLD MINES LTD.

To Mr. M. M. Sierra From F. Crow, Senior Labr 'A' Cross. Y. T.

Subject Sample Chits, D. D. Core A-5 Date Sept. 7/65  
A-6

Dear Bill:

Thirty-five (35) samples, all D. D. Core, will be shipped today to Whitehorse Assay Office. Samples included are N<sup>o</sup> 022 to 056.

Attached are two chits for each sample. Please fill in the information + description for me and forward one copy to Toronto office.

I regret this added burden upon you, but I simply would not have the time to finish it in time before the plane leaves — packing case, log + splitting leaves one breather.

Our new man, Irwin Linklater is a good worker, good worker and has a load on his shoulders.

Yours truly,  
F. Crow

P.M. KAVANAGH.

W.M. SIROLA.

SWIM LAKES "A" GROUP - ASSAYS AND RE-ASSAYS.

September 8th, 1965.

Re-assaying of some drill hole sections was prompted by your feeling that Eldridge's assaying of sample No. 988, representing the section from 276 - 281 ft. in hole A-5, was too low. You subsequently had George Spalding assay one quarter of core from that same section in the drill hole. Following are the Eldridge and Spalding results:

<u>Sample No.</u>	<u>Gold</u>	<u>Silver</u>	<u>Lead</u>	<u>Zinc</u>	<u>Copper</u>
988 (Eldridge 1st assay)	Tr	Tr	0.05	1.20	1.14
988 (Eldridge 2nd assay)	Tr	0.18	0.39	1.02	
988 (Spalding #992)		1.50	4.6	3.0	

The obvious discrepancy between the Eldridge assays and those of George Spalding may result from unequal distribution of lead-zinc in the core. Doug Elsdon simply states that Spalding must have assayed a different sample from the one given to Eldridge since their own results check reasonably well. I think it is very important in splitting core from this deposit to try to orient the core in the splitter in such a way that a more or less even split occurs.

I asked Doug Elsdon to re-assay sample No. 978 because of the obvious discrepancy in my visual estimate and the base metal content shown in the Eldridge assay. It would appear that my 20% combined lead-zinc estimate of this section was, for some reason, much too high. Conceivably some of the black mineral in the section may have been magnetite and not sphalerite. In any case, here are the two sets of results obtained from Eldridge's:

<u>Sample No.</u>	<u>Gold</u>	<u>Silver</u>	<u>Lead</u>	<u>Zinc</u>	<u>Copper</u>
978 (1st assay)	Tr	0.3	3.65	3.22	
978 (2nd assay)	0.02	1.0	4.04	3.33	

Elsdon will send the assay pulps of samples 97<sup>4</sup> - 988 to this office, and we will then forward them to your office.

William M. Sirola.

WMS:iw.  
cc: F. Chow.

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SEP 13 1965

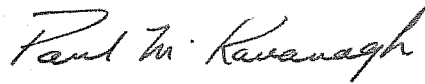
To..... W. M. Sirola ..... From..... P. M. Kavanagh KERR ADDISON GOLD MINES LTD.  
Per.....  
Subject..... Re-Assaying, Swim Lakes 'A' Group, Yukon. .... Date..... September 10th, 1965.

This is prompted by your memorandum of September 8th on this subject.

I wish that you would request Spalding to send you his rejects of samples 992, 011, and 012. Then, assuming you have received the rejects from Eldridge, I wish that you would have the Williams lab in Vancouver run the 3 reject samples from Spalding and the rejects of samples 986, 987, and 988 from Eldridge each for silver, lead, and zinc. In this way we will have an independent check on the samples run by Eldridge and Spalding covering the footage intervals 268-272, 272-276, and 276-281 in Hole A-5.

I continue to lean in favour of Spalding's results because the visual estimate of the 276-281 section by yourself, Fred, and myself is very much in line with Spalding's results.

Please have this re-assaying done as soon as possible and forward the results to me.



Paul M. Kavanagh  
Chief Geologist - Exploration.

PMK:sw

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RECEIVED  
SEP 14 1965

To..... W. M. Sirola..... From..... P. M. Kavanagh.....  
KERR ADDISON GOLD MINES LTD.  
Per.....  
Subject..... Drilling Programme, Swim Lakes "A" Group, Yukon..... Date..... September 13th, 1965.....

Needless to say we are elated by the Whitehorse Assay Office results dated September 9th which we have received this morning.

I calculate the 44.1 foot interval between 276-320.1 in A-5 at 2.1 oz. Ag., 5.6%Pb., 4.6% Zn., and the included 29.1 foot interval between 291-320.1 at 2.9 oz. Ag., 7.5% Pb., 6.3% Zn. Unfortunately the core recovery over both intervals is only approximately 25%.

I calculate the 24 foot interval between 166-190 in A-6 at 1.9 oz. Ag., 6.6% Pb., 4.9% Zn., and the core recovery at 75%. Fred's visual estimates of the 190 - 220 foot interval suggest a similar good grade.

Please instruct George Spalding to run the following samples for copper: 001, 002, 003, 018, 019, 999, 1000, 006, 007, 008, 009, and 010. Please instruct him to run gold composites on each of the following four sample groupings: 001-002-003; 018-019; 999-1000; 006-007-008-009-010.

*Paul M. Kavanagh*

Paul M. Kavanagh  
Chief Geologist - Exploration.

PMK:sw

cc: F. Chow.

P.M. KAVANAGH.

W.M. SIROLA.

SWIM LAKES "A" GROUP - COMPARISON OF ASSAYS.

September 24th, 1965.

<u>Sample No.</u>	<u>Assayer</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>
986	Eldridge	0.52	0.50	1.54
	Williams	0.70	0.51	0.73
011	Spalding	0.66	1.0	0.30
987	Eldridge	Tr.	1.10	1.64
	Williams	0.50	0.89	1.97
012	Spalding	Tr.	1.40	1.60
988	Eldridge	Tr.	0.05	1.20
988	Williams	0.60	Tr.	0.75
*992	Spalding	1.50	4.6	3.00
*992	Williams	1.72	4.57	2.25

This comparison still suggests to me that Eldridge, for some unknown reason, did not receive the same sample in No. 988 that Spalding got in re-run sample No. 992. However, the results obtained in sample No. 992 are probably more representative than those shown for sample No. 988.

William M. Sirola.

\* 992 is  $\frac{1}{4}$  of the core from A-5 - 276 to 281 ft.

WMS:iw.

KERR ADDISON MINES LIMITED  
405 - 1112 WEST PENDER STREET  
VANCOUVER 1, B.C.

COPY

October 22nd, 1965.

Mr. George Spalding,  
The Whitehorse Assay Office,  
P.O. Box 346,  
Whitehorse, Y.T.

Dear George:

We still have in your laboratory the following samples  
and/or composites for which we have not received any results:

Copper: 018, 019, 025, 026, 028, 029,  
040, 041, 044, 045, 049, 050,  
051, 052, 053, 054, 055, 056.

Gold Composites: 025 - 026 incl.; 028 - 029 incl.;  
040 - 041 incl.; 050 - 063 incl.

Gold Only: 044, 045, 049.

We realize that you are having a busy season, but we  
would appreciate having our work finalized.

Yours sincerely,

William M. Sirola.

WMS:iw.  
cc. Toronto.

# KERR ADDISON MINES LIMITED

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OCT 22 1965

KERR ADDISON GOLD MINES LTD.

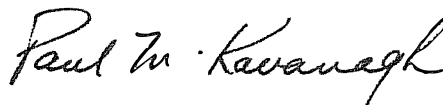
To..... P. M. Kavanagh..... From..... P. M. Kavanagh.....

Subject..... SWIM LAKES ASSAYING..... Date..... October 21st, 1965.....

I wish that you would prompt George Spalding to finish up the remaining assaying quickly.

You will recall my two memoranda to you, of September 13th and 24th referring to copper and gold assays I wanted. So far we have received results for all of the assays mentioned in the September 13th memo except for the copper assays on samples 018 and 019. We have so far not received any results for the assaying requested in the September 24th memo.. I have just noticed a mistake in that memo; the sample number 926 in the second line of the second paragraph should be 026. You may have realized this when you got the memo; in any event you should check whether your instruction to Spalding re that sample was correct or not.

Apart from the assaying requested in my two memos, we are also still awaiting the copper assays on samples 050 to 056 inclusive which our copies of the assay chits indicate were called for by Fred. You should make sure that Spalding realizes we want copper assays for those samples. You should also instruct him to run one composite gold assay on a grouping of samples 050 to 063 inclusive.



Paul M. Kavanagh  
Chief Geologist - Exploration.

PMK:sw

THE UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER 8, CANADA

SWIM LAKES  
"A" GROUP  
(DRILL CORE)

DEPARTMENT OF GEOLOGY

October 30, 1965

Mr. Clyde Smith,  
Kerr Addison Mines Ltd.,  
Suite 405, 1112 West Pender,  
Vancouver 1, B.C.

Dear Mr. Smith:

I have examined the specimen of drill core you recently left with me and wish to report as follows.

The polished thin section proved to be too rough to give useful results so two diamond polished sections were prepared and examined. Both sections show an intimate intergrowth of fine grained sulphides and gangue. The following minerals were observed. Pyrite occurs as aggregates of small grains and as corroded crystals. Galena, sphalerite and chalcopyrite occur as extremely irregular areas with sphalerite forming much of the groundmass of the sections. Arsenopyrite is in minor amount as disseminated rhombic-shaped grains usually showing signs of corrosion by later minerals. Magnetite is present in accessory amounts.

No definite silver mineral was observed. Particular attention was paid to galena but it appears free from inclusions. Tetrahedrite was expected but not found. From this brief study it would appear as if the silver content of the ore is contained in solid solution in the galena.

Yours sincerely,

*R. M. Thompson*  
R.M. Thompson

COPY

P.M. Kavanagh.

W.M. Sirola.

Swim Lakes "A" Group - Assaying.

December 8th, 1965.

There never was a memorandum concerning the T.S.L. assaying proposal, but we did discuss it over the telephone.

During their two visits here, the T.S.L. people were told that we might have 4,000 separate determinations to make. This was derived from assaying 800 - five foot core sections for five separate metals. Apparently, using the atomic absorption technique, it is just as inexpensive to actually assay each sample for five different metals as it would be to assay for three metals and make composites for the other two.

The T.S.L. people considered the possibility of an assay lab right in the field, an assay lab in Whitehorse, and finally, they considered Vancouver as a location. They mentioned that if we gave them a contract for the 4,000 determinations, the price per determination would be approximately \$1.50. You have since learned that what they had in mind was 4,000 separate core sections on which five determinations would be made for a total of 20,000 assays.

I also discussed with them the question of their establishing grinding facilities in Whitehorse if they intended to have a laboratory in Vancouver. This would greatly reduce our air freight charges. At no time did I suggest that we would establish grinding facilities, either in the field or in Whitehorse.

Since it seems apparent that Dynasty will establish their own field laboratory, it is much more difficult for T.S.L. to offer us an assay service at greatly reduced cost, but I hope that they can find some way of augmenting the existing services supplied by George Spalding's assay office. It seems, to me, that the volume of business in Vancouver is such as to justify another assay lab here. Such a lab would reduce the long delays which exist at the moment.

William M. Sirola.

WMS:iv.

COPY

Mr. P. M. Kavanagh

W. M. Sirola

Swim Lakes "A" Group - Yukon Assays

November 2, 1966

This will reply to your memorandum of October 31st on this subject. When I spoke to George Spalding on the subject of the assays from A-33 and A-37, I told him that never in the history of the work on the "A" Group had we encountered a situation where high silvers were obtained in the virtual absence of Lead and Zinc values. I did not question the possibility that the silver values were there and I did question the absence of Lead and Zinc. Obviously however, the message did not get through to him that he should rerun the samples for Lead and Zinc, nor do I think there is any point in rerunning all of them for Lead and Zinc. I have therefore wired him to run two samples, namely 733 and 751 for both Lead and Zinc in the hope that this will throw some light on the situation. Number 733 is from Drill Hole A-37 and 751 is from A-33.

Coast Eldridge advises that the mineral barite combines with Lead forming an insoluble sulfate and this would explain losses in Lead assays, but would not explain losses in Zinc assays. In my telephone conversation with George Spalding, I thought that these were the avenues he would explore rather than simply rerunning the silvers, but I could not at the time tell him what he should do in an attempt to improve the Lead-Zinc content of the samples.

W. M. Sirola.

WMS/lk

# KEHR ADDISON MINES LIMITED

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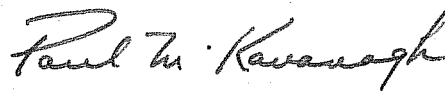
RECEIVED  
NOV 1 1966  
MINES LTD

To..... W. M. Sirola ..... From..... P. M. Kavanagh.....  
Subject..... Assays, Swim Lakes 'A' Group, Yukon. .... Date..... October 31st, 1966.....

This is prompted by the assay sheet dated October 28th which we have received today from Spalding. The sheet lists checked silver assays for the samples in A-33 and A-37 which previously had run high in silver with negligible lead and zinc values.

It was my intention when I spoke to you last week about these particular samples that you ask Spalding whether he could possibly re-run them for lead and zinc, not silver, and I thought that that was the message that you had passed on to him at my request.

Would you please again contact him and ask him whether or not he feels he can re-run the samples for lead and zinc. If he cannot, would you please explain our dirty sludge problem with these samples to Eldridge or some other lab in Vancouver asking them whether they would feel that they could manage to assay the samples in a way in which their true contents of lead and zinc would be determined.



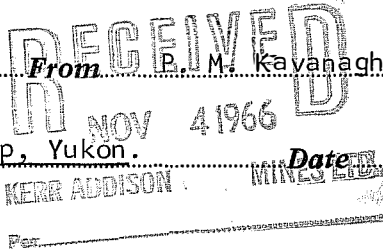
Paul M. Kavanagh  
Chief Geologist - Exploration.

PMK:sw

# KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

To..... W. M. Sirola  
From..... P. M. Kavanagh  
Subject..... Assays, Swim Lakes 'A' Group, Yukon. Date..... November 3rd, 1966.



This is further to my memorandum of October 31st and is prompted by an assay sheet received from the Whitehorse Assay Office containing another set of silver assays for those particular samples with which we are concerned.

I simply cannot understand what is going on or whether or not your instructions are getting through clearly to Spalding. Would you please tell him in no uncertain terms that we do not want any more silver assays run off those samples, but rather we want him to state clearly as to whether or not he feels he can obtain any more accurate lead-zinc results from further assaying of those samples.

I certainly do not think that we should pay for the first silver re-runs or the second silver re-runs.

Please advise me on paper as to what is happening.

Enclosed is an original of the recent assay sheet in question which we received from your office. We do not need it because as you know we always get a copy direct from Whitehorse.

Paul M. Kavanagh  
Chief Geologist - Exploration.

PMK:sw

Enc.