

008908

105K

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

MAR 4 1963

To P. M. KAVANAGH

From W. M. SIROLA

Subject STREAM SILT SAMPLING

Date March 1st, 1963

W.S.R.	
K.C.G.	
G.H.M.	
R.D.S.	
P.C.B.	
P.M.K.	
C.K.V.	
F.D.C.	
H.A.P.	
J.P.S.	
G.P.R.	
E.L.D.	
J.I.B.	
E.C.J.	
D.V.B.	

Herewith a copy of MacDonald's Report on the above subject.

Except for Mye Mountain, we have to consider the work as being inconclusive.

A copy has been sent to Al Kulan.

William M. Sirola.

Encl.
WMS:rl

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

JAN 25 1963

105 K.

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

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

Subject..... MYE MOUNTAIN AREA, YUKON TERRITORY, 105-K..... Date..... January 23rd, 1963.....

With this memorandum is enclosed the information received from the X-Ray Laboratories regarding the precipitate found as a coating on rocks just below the main gossan - between samples MY-2 and MY-4.

Angus advised that Al Kulan had noticed a similar localized condition at a creek near the Vangorda deposit. Apparently, a clear stream becomes milky in a particular section due to an influx of this material at a localized point. Below this milky area, the stream is clear again. Apparently the situation is not common and certainly I have never heard of it in the past.

In view of the heavy metal content, this material could be a potential marker of base metal mineralization.

per William M. Sirola.
R.L.

WMS:rl

C. O. P. Y.

X-RAY ASSAY LABORATORIES LIMITED

28 Eglinton Avenue West,

TORONTO, Ontario

January 18th, 1963.

Kerr-Addison Gold Mines Limited,
409 Granville Street, Rm. 319,
Vancouver, B. C.

Attention: Mr. W. M. Sirola

Gentlemen:

We have not been able to identify the material which comprises your sample MY-6, your letter December 11th.

The material appears to be largely organic as it loses 75% of its weight on ignition. Spectrographic analysis shows none of the common rock forming elements in abundance such as occur in soils or decomposed rock. About 2000 ppm zinc, 200 ppm copper and 100 ppm lead were also noted present.

Our guess is that it is largely decomposed wood mixed with a small amount of clay.

Yours very truly,

X-RAY ASSAY LABORATORIES LIMITED

(Signed)

E. J. Brooker

EJB:gh

105 K

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

DEC 17 1962

W.S.H.	
K.C.G.	
G.H.M.	
R.D.S.	
P.C.B.	
P.M.K.	<input checked="" type="checkbox"/>
C.K.V.	
F.O.C.	
J.A.P.	
J.P.S.	
G.P.R.	
E.I.D.	
J.L.B.	
<u>E.C.T.</u>	
D.V.B.	

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

Subject SOIL AND SILT SAMPLING - TAY RIVER SHEET Date December 14th, 1962
105K

Angus has plotted the positions of the Vangorda Creek silt sampling and the Mt. Mye soil and silt sampling on the Tay River sheet. He is now working on the details and recommendations - we hope to ship these out to you shortly.

RS.
per William M. Sirola.

WMS:rl

105 K
attach to

X-RAY ASSAY LABORATORIES LIMITED

28 EGLINTON AVENUE WEST - TORONTO, ONTARIO - HUDSON 5-8907

Certificate of Analysis

NO. 2017

DEC 5 1962

TO. Kerr-Addison Gold Mines Limited,
409 Granville Street Rm. 319,
VANCOUVER, B.C.

RECEIVED December 3, 1962

INVOICE NO. 5513

SAMPLE(S) OF soils

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
My - 1	x	280	VC - 7 D	20	170
2	x	500	7 E	50	250
3	x	600	8	30	200
4	x	1,100	9	30	100
5	30	2,000	10	20	100
VC - 1	30	600	10 B	10	130
2	30	330	11	30	170
3	10	70	12	x	180
4	20	100	13	x	80
5	x	230	14	10	170
6	20	270	15	x	170
7	30	500	16	x	50
7 A	40	180	17	x	170
7 B	30	180	18	30	70
7 C	x	120	19	30	90

x - Less than 10 ppm

X-RAY ASSAY LABORATORIES LIMITED

DATE December 4, 1962

CERTIFIED BY

E. J. Bracher
MANAGER

ASSAYERS - ANALYTICAL CHEMISTS - SPECTROGRAPHERS

105K

X-RAY ASSAY LABORATORIES LIMITED

28 EGLINTON AVENUE WEST - TORONTO, ONTARIO - HUDSON 5-8907

OCT 21 1962

Certificate of Analysis

NO. 1804

TO. Kerr-Addison Gold Mines Limited,
409 Granville Street Rm. 319,
VANCOUVER, B.C.

*1962 Kelly River - Ross River Reconnaissance
Geochemical Sampling Programme 5417*

RECEIVED October 17, 1962 INVOICE NO. 5417

W.S.R.	
R.C.B.	
M.M.C.	✓
C.R.A.	✓
C.H.M.	
R.D.S.	
B.C.E.	
D.W.P.	
G.P.R.	
E.L.O.	
H.B.	
E.C.J.	

SAMPLE(S) OF soils SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Sample	Cu ppm	Zn ppm	Sample	Cu ppm	Zn ppm
R-1-Cam	x	70	R-22B	x	120
R-1-L	x	180	R-23A	x	90
R-1-OF	x	150	R-23B	x	130
R-3L	x	200	R-24A	10	300
R-3L-RS	x	160	R-24B	x	260
R-4	X	150	R-24C	30	170
R-5A	30	300	R-26	x	130
R-5B	20	270	R-27A	x	120
R-6	20	170	R-27B	x	140
R-7	40	200	R-28A	30	200
R-9A	10	120	R-28B	x	170
R-9B	x	110	R-28C	x	190
R-9C	x	100	R-29	50	200
R-10A	-	-	R-30A	x	230
R-10B	20	190	R-30B	x	70
R-11	40	220	R-31A	10	310
R-12	30	200	R-31B	20	330
R-13B	20	140	R-32	40	270
R-14A	30	200	R-33	20	200
R-14B	30	200	R-37A	30	200
R-16A	30	280	R-37B	x	100
R-16B	20	180	R-37C	x	120
R-18	20	210	R-CL-SF	30	180
R-18B	30	180	R-C-F	x	190
R-18M1	30	250	RC-SS	x	140
R-18M1-SS	30	330	R-LST	x	430
R-21	10	220	R-Rust-Cr	x	130
R-22A	x	140	R-C	40	240

x - less than 10 ppm
- no minus 80 mesh material for test.

X-RAY ASSAY LABORATORIES LIMITED

DATE October 29, 1962

CERTIFIED BY *E. J. Brasher* MANAGER

X-RAY ASSAY LABORATORIES LIMITED

28 EGLINTON AVENUE WEST - TORONTO, ONTARIO - HUDSON 5-8907

Certificate of Analysis

NO. 1639

TO: Kerr-Addison Gold Mines Limited,
44 King St. W. Suite 1600,
TORONTO, Ontario.

*105 K.
attach to forms
of pouch 62
3/22/62*

A	W.S.R.
	R.L.E.
	P.M.K. ✓
	C.K.W.
	G.H.M.
	R.E.S.
	E.C.B.
	D.W.P.
	G.P.R.
	E.L.D.
	J.L.R.
	<u>E.S.J.</u>

*Re 1962 Yukon Geochemical Sampling Program
Pelly & Ross River Shees.*

RECEIVED August 23, 1962

INVOICE NO. 5254

SAMPLE(S) OF **soils**

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
D-15	200	220	P-22	10	140 N.B.
D-28	x	100	P-23	30	150 N.B.
D-29	10	50	P-24	x	90
P-1	x	130	P-25	x	100
P-2	10	150	P-26	20	150 N.B.
P-3	x	170	P-27	10	70
P-4	40	240 N.B.	P-28	x	120
P-5	x	90	P-29	x	60
P-6	20	170	P-30	10	160 N.B.
P-7	x	70	D-100	20	70
P-8	x	100	D-200	30	30
P-9	x	70	D-300	x	40
P-10	40	230 N.B.	D-400	x	40
P-11	20	170	D-500	x	30
P-12	x	180	D-600	x	30
P-13	30	220 N.B.	D-700	x	30
P-14	x	110	D-800*	-	-
P-15	10	100	D-900A	x	90
P-16	x	70	D-900B	x	70
P-17	x	100	D-1000	x	60
P-18	x	170	D-1100	x	60
P-19	x	90	D-1400	x	70
P-20	x	80	D-1500	x	70
P-21	x	120	2-QM	x	50

Background

* Insufficient sample

x - less than 10 ppm

X-RAY ASSAY LABORATORIES LIMITED

DATE **Sept. 4, 1962**

CERTIFIED BY *E.S.J.* MANAGER

MAR 26 1962

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

105-K

A		N
<input checked="" type="checkbox"/>	W.S.R.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	K.C.G.	<input type="checkbox"/>
<input type="checkbox"/>	P.M.K.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C.K.W.	<input type="checkbox"/>
<input type="checkbox"/>	G.H.M.	<input type="checkbox"/>
<input type="checkbox"/>	R.D.S.	<input type="checkbox"/>
<input type="checkbox"/>	B.C.B.	<input type="checkbox"/>
<input type="checkbox"/>	G.P.P.	<input type="checkbox"/>
<input type="checkbox"/>	E.L.D.	<input type="checkbox"/>
<input type="checkbox"/>	I.I.R.	<input type="checkbox"/>
<input type="checkbox"/>	<u>E.C.I.</u>	<input type="checkbox"/>

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

Subject..... *YUKON CANADIAN MINING COMPANY*
CLAIMS ADJOINING INTERNATIONAL MINERALS - Date..... March 22nd, 1962, p.
APPROXIMATELY 45 MILES NORTHEAST OF ROSS RIVER.

After discussing this matter with you on the telephone yesterday, I telephoned Al Kulan who told me that there had actually been three seasons of drilling on the International Minerals (?) ground, and that a contract had been awarded for a fourth season's drilling. Consequently, he felt that a considerable amount of encouragement must have been received. I think his idea of tying-on to both ends is a good one, all be it a gamble, since we know very little about the situation. Al seemed to feel that 16 claims would be required on either end to adequately cover the extensions and we finally agreed that he should get this amount - I hope it turns out to be something worthwhile.

R.L.

for William M. Sirola.

WMS:rl

AUG 16 1962

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

105.K.
attach to
Receives
report
July 162

A	M
	W.S.R.
	K.C.G.
	F.M.A. ✓
	C.K.W.
	C.H.M.
	R.D.S.
	B.C.E.
	D.W.P.
	G.P.D.
	E.L.D.
	J.E.
	<u>E.C.J.</u>

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

Subject..... SILT TESTING, PELLY RIVER AREA, YUKON TERRITORY.....Date..... August 14th, 1962.....

Al Kulan advised last night that Angus MacDonald had completed preliminary silt testing of all of the streams from Vangorda Creek to Ross River. He is now apparently working on Ross River itself. He mentioned that MacDonald had got a number of anomalies but had not done any follow-up work on these. He also mentioned that MacDonald had got an anomaly at the junction of Vangorda Creek and the Pelly River.

I will review all of this work with Angus and will try to determine what follow-up work should be done, and by what procedure.

I will visit the Noranda Lab. tomorrow and see if they have anything new in the way of a total heavy metals procedure. Warren and Delavault have abandoned ammonium citrate as a solvent and are using a combination of sodium acetate and acetic acid. Warren has also advised me that it is wise to use an acid attack on silts to be sure that nothing has been missed.

RR

pp William M. Sirola.

WMS:rl

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

105 K.

*attach to
previous
reference*

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

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

Subject..... Ted Chisholm's Geochemical Exploration Paper..... Date..... July 27, 1962
on the Vangorda Creek Deposit, Yukon

Attached are 3 copies of Ted Chisholm's paper in the November, 1959 issue of the Western Miner, and 3 copies of the map which was reproduced in small scale as figure 11 in the paper. Also attached are two extra copies of this memorandum. It is my intention that you pass a set of copies of each along to Angus, and another set to Al Kulan.

Chisholm has told me that he took several water samples at the mouth of Vangorda Creek in mid-July and got negative results. He thinks there is a possibility that samples taken in August when there would be less water running in Vangorda Creek might have given some positive results. He considered that .03 ppm was background, and therefore you will note from the map that significant values stopped about 1000 feet downstream from the deposit's main surface exposure.

PMK

Paul M. Kavanagh
Chief Geologist - Exploration

PMK:ry
Encl.

P.S. I have just received your July 25th memorandum on this subject.

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

JUL 27 1962

To..... P. M. KAVANAGH..... **From**..... W. M. SIROLA.....
Subject..... STREAM SILT SAMPLING, PELLY RIVER, Y.T..... **Date**..... July 25th, 1962.....


A		N
	W.S.R.	
	K.S.G.	
	P.M.K.	✓
	C.K.W.	
	G.H.M.	
	R.D.S.	
	B.C.B.	
	D.W.P.	
	G.P.R.	
	E.L.D.	
	J.I.B.	
	E.C.J.	

I note from Ted Chisholm's geochemical map of the Vangorda Creek area, published in "Methods and Case Histories in Mining Geophysics" that a point 3.5 miles down Vangorda Creek from the ore body shows the extractable heavy-metals content of the water to be 0.026 p.p.m. I have no knowledge of the background count of the streams in this vicinity, but would point out that in many of the New Brunswick streams the background is 0.0006 p.p.m. Should the tributaries of the Pelly have a similar background count, then the sample which ran 0.026 p.p.m. is decidedly anomalous. This is not to imply that the deposit can be detected 10 miles down stream but it does indicate the dispersion of metals in the water for several miles down stream.

In many cases the ability of a stream to carry heavy-metals is a function of the pH content of the stream. A sudden change of pH will cause the stream to dump its load of metals very suddenly and these are then caught up in the stream silt.

I talked with Menzies today about the business of going through their Geochemical Lab. and he is quite agreeable, but would prefer to wait for two weeks because he says the place is rather disorganized at the moment. He did say, however, that the stream silt analysis they would be doing would involve a hot acid break-down rather than the cold citrate procedure we are using.

For the moment I think we are adequately equipped to do the work we had contemplated.


 for William M. Sirola.

WMS:rl

105.K

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

A	N
W.S.R.	
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D.W.P.	
G.P.P.	
E.L.D.	
J.I.B.	
E.C.J.	

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

Subject..... **Geochemical Prospecting in the Vangorda Area** Date..... **March 30, 1962**

This is prompted by your memorandum of March 27th on this subject.

If the Saskatchewan Government were to change its assessment work submission regulations to our satisfaction in time for us to renew our preparations for summer work in that province, we would revert to our approved budget. If we do not work in Saskatchewan the only changes will be 1) one more prospecting unit in Manitoba (we were going to have two partially government-financed ones in Saskatchewan) and 2) Hooton's technical unit will stay out of Saskatchewan.

Re your proposal of geochemical prospecting in the Vangorda area this year, I would only contemplate Angus and Tom, if they were equipped with portable geochemical equipment, checking the area as a low priority item of work if time permitted; but it is something to keep in mind.

Paul M. Kavanagh
Chief Geologist - Exploration

PMK:ry

MAR 29 1962

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

A	N
	W.S.R.
	K.C.G.
	P.M.K. ✓
	C.K.W.
	G.H.M.
	R.D.S.
	B.C.B.
	D.W.P.
	G.P.R.
	E.L.D.
	J.I.B.
	(E.C.J.)

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

Subject..... GEOCHEMICAL PROSPECTING IN THE VANGORDA AREA..... Date..... March 27th., 1962.....

I do not know if you wish to make any changes in the B.C. & Yukon Budget as a result of the cessation of work in Saskatchewan, but if you are planning any changes I would suggest that a feasible form of exploration would be to sample the creeks in the Vangorda area.

I am not sure how familiar you are with the geochemical work that was done in the vicinity of the Vangorda deposit, but it appears to have been quite effective and I would be rather optimistic about the possibility of locating other mineralized zones with the stream silt method. I believe that Al Kulan shares these sentiments with me.

If a geochemical programme were instituted and anomalies were found, then I think that despite the graphitic nature of some of the rocks in the area, the target could be narrowed down with self-potential work. In studying the self-potential work done on the Vangorda deposit, it is obvious that while the higher anomalies are derived from graphitic rocks, nonetheless, recognizable sulphide anomalies do exist. In addition, it seems to me that a fault is indicated at the northwest end of the deposit by a 2,000' shift in graphitic rocks along a northerly trending fault at the northwest end of the mineralized zone. I do not know how much work was done to the northwest of the known mineralization, but it seems to me that this fault theory should be looked into. Quite possibly, Prospectors' Airways are entirely aware of this and have already investigated this possibility. The maps we have here are from a text book and are limited in their scope.

There appear to be numerous creeks both northwest and southeast of the Vangorda deposit and I would be rather optimistic of the results using this particular tactic.

R.L.
for William M. Sirola.

WMS:rl