

PROSPECTING REPORT

Claims AEG #1 & 2 #1417(9), 1418(9)
JTM #1 & 2 #1419(9), 1420(9)

KAMLOOPS MINING DISTRICT

52° 08' N
119° 11' W
83D/3E

SUBMITTED BY

JOHN MORTON
701-1150 Burnaby
Vancouver

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

7783

No. _____

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PROSPECTING REPORT

CLAIMS AEG 1&2 #1417(9), 1418(9)
JTM 1&2: \$1419(9), 1420(9)

LOCATION: NTS 83D3E , Kamloops Mining District
Latitude 52°8' , Longitude 119° 11'

Property consists of four 2-post mining claims held by
J.T.Morton and A.E.Grant for :

John Morton #701-1150 Burnaby St., Vancouver BC
Alan Grant 2429 Pt. Grey Rd Vancouver BC
Alan Lever 1122 - 32nd Ave Vancouver BC

Property is located at km14.2 on Redsand logging Rd approximately
10km northeast of Blue River BC. Turnoff is 1 km north of Blue
River airstrip north of Blue River, East of Hwy 5.

Property was staked as a result of anomalous readings on a
Scintrex GAD-4 differentiating spectrometer with a 58.5 cu cm
crystal. Readings of twenty-seven times background were recorded
at a rusty-red earth cut on a newly constructed logging road.
A subsequent survey on Sept 24, 1978 along the road paralell to the
showing, and another traverse paralell to and 160 metres above the
first gave results as shown in Figure 1.

FIGURE I

CPM	TOTAL COUNT	K	U	Th.
El.1304M				
Km 14	3620	249	48	40
+100 m	5190	408	114	74
+200 m	11980	628	544	109
+220 m	32540	1614	1732	352
rpt.	32120	1573	1722	318
+223 m	25030	1242	1326	270
+225 m	12100	640	523	112
+250 m	6060	402	157	112
+300 m	4620	323	112	49
El.1460M				
Km 14	4320	234	93	68
+100 m	3540	175	52	51
(outcrop) +200 m	7810	363	330	86
+300 m	3970	182	90	63

Samples of a crystalline dolomitic material obtained at the centre of the showing, where readings were highest, were labelled BR-1 # 2195 and submitted to the Chief Assayer, Victoria.

Following receipt of the results (two reports enclosed), J. Morton and A. Grant visited the property to strip overburden and to obtain "in place" samples for further analysis. A trench one metre deep and two metres in length at the centre of the showing and one and a half metres above the road level showed only completely weathered red muck containing remains of books of mica. Due to red staining and decomposition the mica could not be identified. Bedded samples of the crystalline, dolomitic material were obtained two metres above the road level at the contact with with a quartz, albite, muscovite pegmatite dike. These samples labelled BR-1 suspected carbonate, and BR-2 pegmatite were submitted to Bondar-Clegg for analysis. Copies of reports are enclosed. Location of sample areas shown on sketch map.

The property was visited by T.D. Lewis P. Eng. of the Kamloops District Geologist's office on November 15, 16, 1978. A scintillometer traverse and dip needle survey were carried out at this time. Mapping was commenced but interrupted by snow, and no further work was done. Results of the dip needle survey are shown in Figure 11. Report of T.D. Lewis enclosed.

FIGURE II

DIP NEEDLE SURVEY 250 m EAST AND WEST OF CENTRE POST
AEG & JTM CLAIMS AT INTERVALS OF 33 METRES

	AEG 1&2 ^{CP} JTM 1&2														
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
El. 1304M	10°	10°	9.8°	9.5°	10°	11°	11°	11°	10.5°	11°	11.5°	12°	11°	11.5°	11°
El. 1460M	10	9.8	11°	10.5°	10°	11°	11°	11.5°	11°	10.5°	11°	11°	11°	11°	11°

In May, 1979, claims JTM 3 & 4 were staked adjoining claims 1 & 2. Subsequent investigations reported below will result in their abandonment.

On August 14 blasting to remove overburden and to expose bedrock was carried out resulting in the removal of five cubic metres of weathered material. Finer grained marble material similar in composition to the coarser grained dolomitic "carbonatite" type material was exposed at the contact with the overlying amphibolite, biotite, garnet schist. A planned Magnetometer survey was cancelled due to severe magnetic storms.

On August 15, 1979 Gordon P.E. White P. Eng., District Geologist Kamloops Mining District spent the day on the property with J. Morton. The above mentioned contact was traced for a distance of 200 metres West of the centre post, and 75 metres East. Further prospecting above the claims at El. 1460 m showed a contact ^{at} the edge of the circular feature on the enclosed Air Photo. These contacts are shown on the photo as "A", "B" and "C" respectively. No further occurrences to the East were discovered although a red stain near the summit was investigated by Mr. White at a later date. His interim report is enclosed.

Samples of the fine grained marble material along with the coarse-grained dolomitic "Carbonatite" type material await thin section identification.

This report submitted October 26, 1979, by:

John T. Morton
#701-1150 Burnaby St
Vancouver BC
V6E 1P2

John Morton

g

NO. 2
AEG 1 JTM 2
AEG 2
NO. 2
JTM 1
NO. 2
POST

Mud Lake

245

b

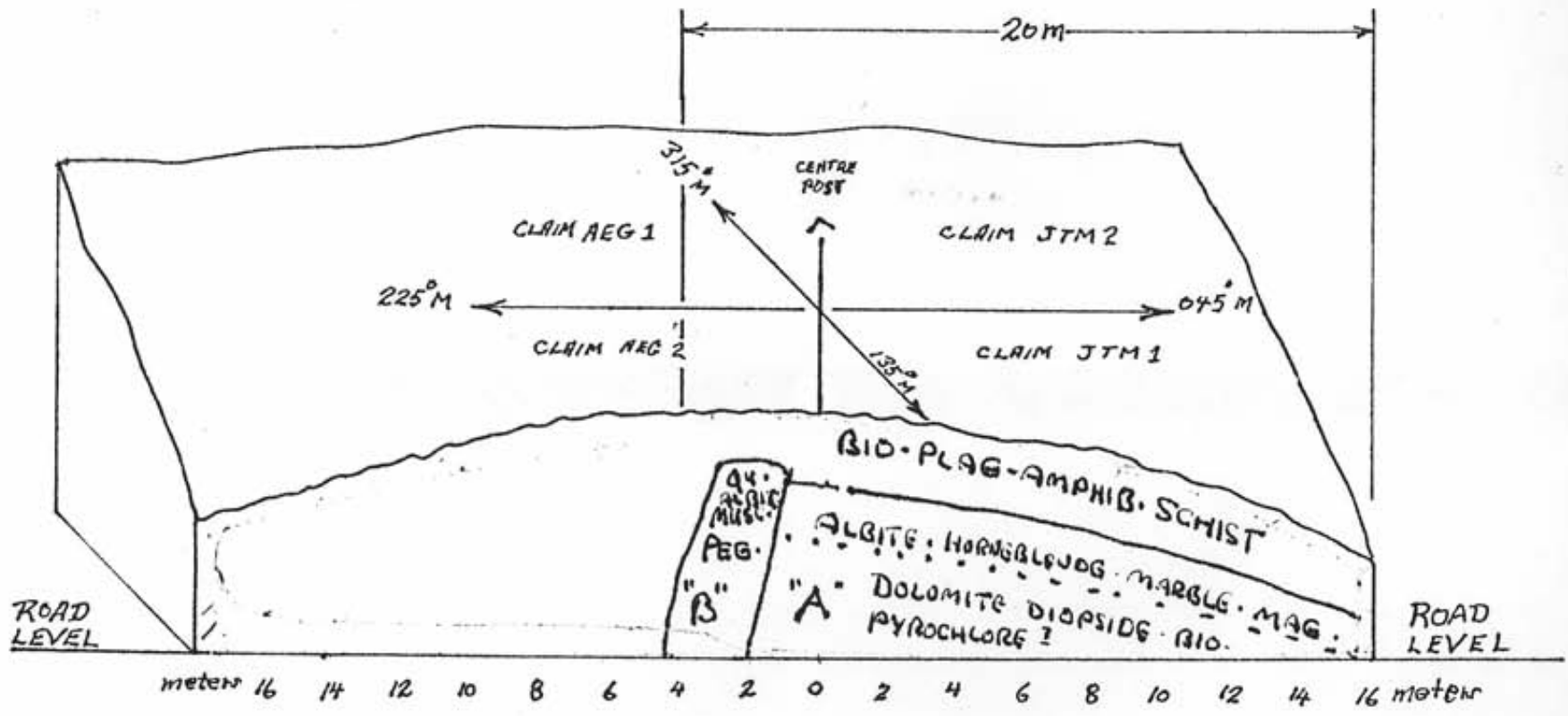
SEP 28 1973

NTS 83D3E

Smoke

Creek

SKETCH OF SHOWING AT ROADSIDE TAKEN FROM FIELD NOTES
 CLAIM JTM 1+2, AEG 1+2 24 SEPT. 1978



READING 200m WEST
 T.C. 3620
 U. 48

READING 100m WEST
 T.C. 5190
 U. 114

T.C. 7670
 U. 209

T.C. 32120
 U. 1722

T.C. 25030
 U. 1326

T.C. 12350
 U. 544

READING 80m EAST
 T.C. 4620
 U. 112

RADIATION MEASUREMENTS IN COUNTS PER MINUTE
 (T.C. = TOTAL COUNT U. = URANIUM)

"A" SAMPLE " 2195 - BR-1 "B" SAMPLE BR-2

Scale 1cm = 2m

Submitted by: T. D. Lewis
January 29, 1979

AEG Claim

LOCATION: NTS: 83D-3E
Latitude: 52°8' Longitude: 119°11'

The property is located approximately 20 kilometres northeast of Blue River, B. C. Access is obtained via gravel logging road from highway 5. The turnoff is approximately 2 kilometres north of Blue River.

OWNER(S): John Morton, Al Grant

DESCRIPTION:

A brief visit was made to the property accompanied by John Morton and Al Grant. Due to the snow conditions, examination was limited to the main showing, and logging roads in the immediate vicinity.

Interest in the property stems from anomalous scintillometer reading associated with "carbonatites" within a folded biotite gneiss. Readings of nearly nine times background were recorded at the main showing, but due to overburden, the source of the gamma radiation could not be attributed to a specific rock type.

Recommended for acquisition - J.D.L.

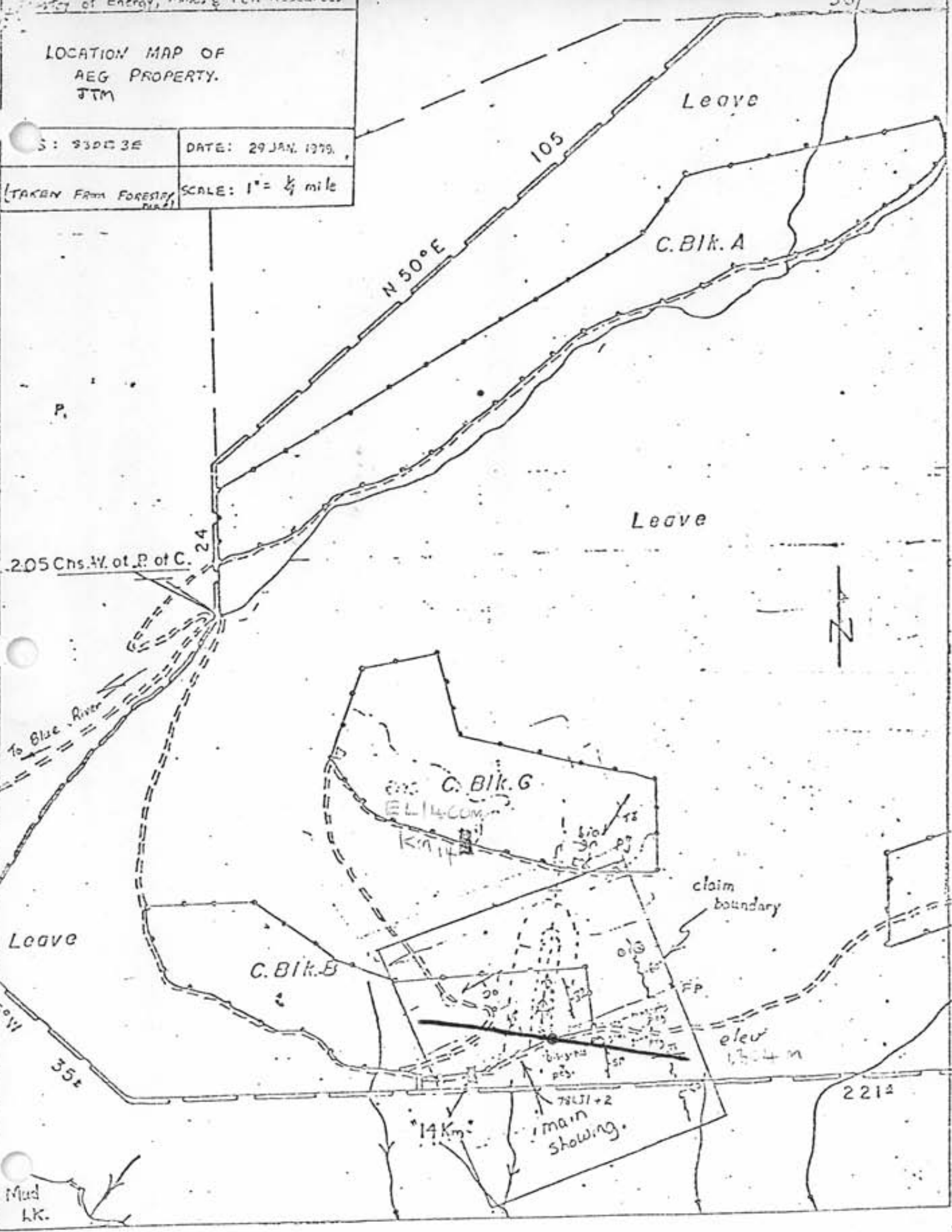
LOCATION MAP OF
AEG PROPERTY.
JTM

S: 83003E

DATE: 29 JAN. 1979.

(TAKEN FROM FOREST
PLAN)

SCALE: 1" = 1/4 mile



Mud
LK.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... JOHN MORTON.....

ADDRESS..... #701 - 1150 Burnaby Street, Vancouver, B. C.

T - Trace

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSIS IN %

Laboratory No.	2195						
Submitter's No.	1595 E						
Si	<10.0						
Mn	0.3						
Al	0.1						
Mg	>10.0						
Pb	T						
Ca	>20.0						
Fe	10.0						
V	T						
Cu	T						
Ag	T+						
Zn	-						
Na	-						
K	-						
Ti	0.02						
Zr	T						
Ni	T						
Co	T						
Sr	0.35						
Cr	T						
Ba	T						
Traces: Y, Yb, Sc, Nb, La, Ce, Nd							

P 2.0

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U <0.05

DATE..... October 30, 1978.....



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... JOHN MORTON

ADDRESS..... #701 - 1150 Burnaby Street, Vancouver, B. C. V6E 1P2

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
2195	1595 E BR-1	<p>Uranium - 116 ppm</p> <p>Thorium - 19 ppm</p> <p>See also Spectrographic Analysis.</p>

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DATE..... October 30, 1978

.....
CHIEF ANALYST AND ASSAYER.



SEMI-QUANTITATIVE ANALYSIS

No: 28-1475

Sample No. BR - 1

From: Dr. Alan Grant

Method: XRF

Date: December 5 19 78

No. of Elements: 32

Analyst:

MAJOR ELEMENTS (%)	<.003	.003-.01	.01-.03	.03-0.1	0.1-0.3	0.3-1.0	1.0-3.0	3.0-10.0	> 10.0	REMARKS
SiO ₂								X		
Al ₂ O ₃							X			
Total Fe (Fe ₂ O ₃)								X		
MgO									X	
CaO									X	
Na ₂ O					X					
K ₂ O			X							
TiO ₂				X						
TRACE ELEMENTS (%)										
V	X									
Cr	X									
Mn					X					
Co	X									
Ni	X									
Cu		X								
Zn		X								
As	X									
Sr						X				
Y		X								
Zr	X									
Nb				X						
Mo	X									
Ag	X									
Sn	X									
Sb	X									
Ba		X								
La			X							
Ce			X							
W	X									
Pb	X									
Bi	X									
Th	X									
U	X									

MINERAL RESOURCES BRANCH
 ACCREDITED LABORATORY
 7783
 NO.



SEMI-QUANTITATIVE ANALYSIS

No: 28 - 1475

Sample No. BR - 2

From: Dr. Alan Grant

Method: XRF

Date: December 5, 198

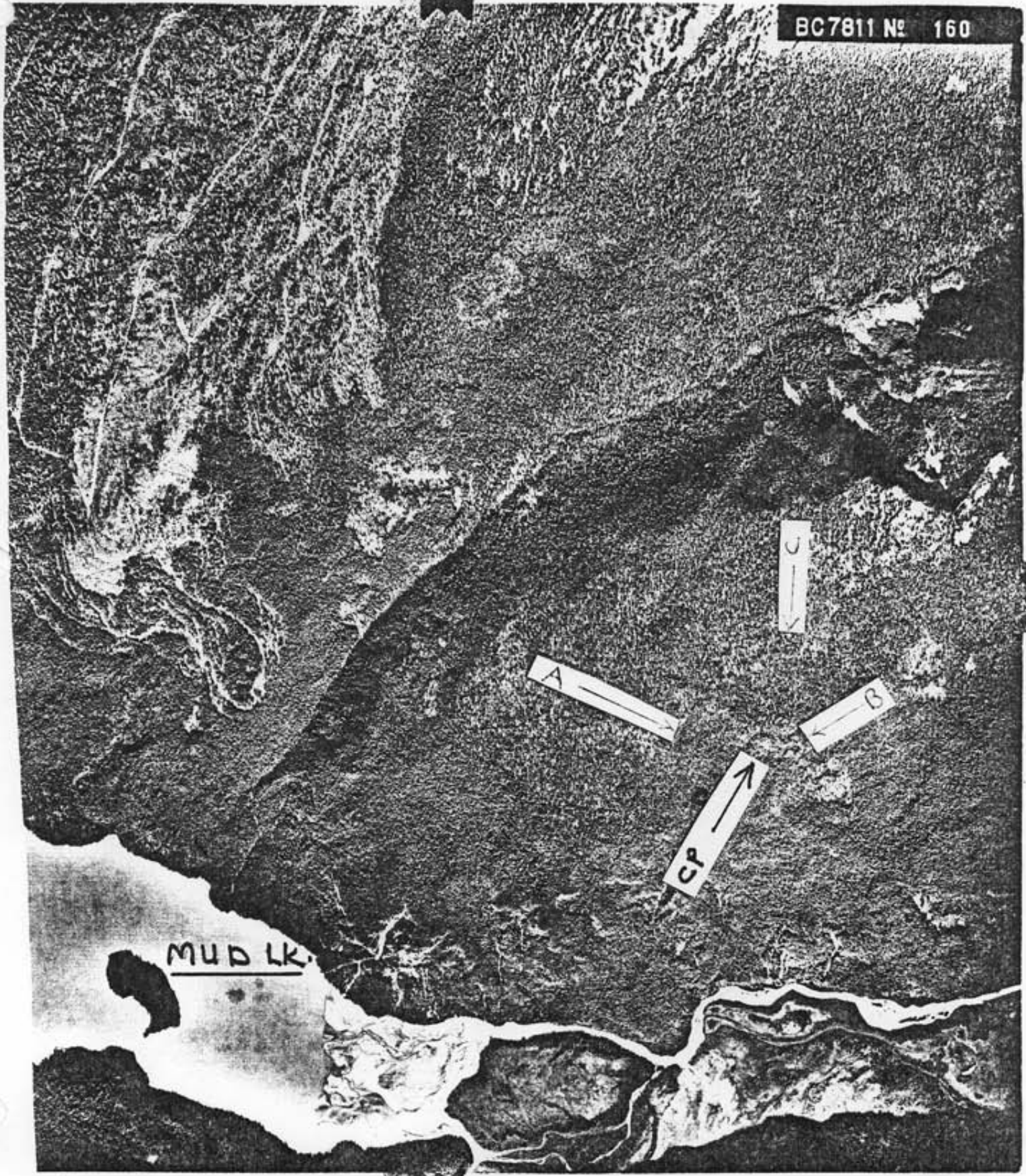
No. of Elements: 32

Analyst:

MAJOR ELEMENTS (%)	<.003	.003-.01	.01-.03	.03-0.1	0.1-0.3	0.3-1.0	1.0-3.0	3.0-10.0	> 10.0	REMARKS
SiO ₂									X	
Al ₂ O ₃							X			
Total Fe (Fe ₂ O ₃)									X	
MgO									X	
CaO									X	
Na ₂ O						X				
K ₂ O				X						
TiO ₂				X						
TRACE ELEMENTS (%)										
V			X							
Cr		X								
Mn					X					
Co	X									
Ni	X									
Cu		X								
Zn		X								
As	X									
Sr			X							
Y	X									
Zr	X									
Nb				X						
Mo	X									
Ag	X									
Sn	X									
Sb	X									
Ba		X								
La			X							
Ce			X							
W	X									
Pb	X									
Bi	X									
Th	X									
U	X									

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7783
NO.

BC7811 № 160



MUD LK.

ASSESSMENT CREDITS

OCT 21,22, 1978.

J.Morton & A.Grant

Travel Expense	1350 km @ 6.5¢	87.75
Meals & Lodging	@ \$32.00 Day ea.	128.00
6 Hrs stripping overburden	6 x \$7.50 x 2	90.00
Bondar-Clegg ; 2 x 32 El Assays (enclosed)		40.00

NOV 15,16, 1978

Travel Expense	1350 km @ 6.5¢	87.75
Meals & Lodging	@ \$32.00 Day ea.	128.00
4 Hrs Scintillometer & Dip Needle Survey &		
2 Hrs stripping overburden	6 x \$7.50 Hr x 2	90.00

AUG 14.15, 1979.

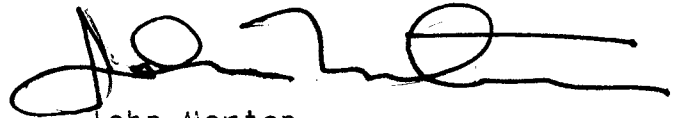
Travel Expense	384 km @ 6.5¢	35.00
Meals & Lodging	@ \$32.00 Day	64.00
12 Hrs Blasting & stripping overburden	@ \$7.50 x 12	90.00
$\frac{1}{2}$ case Forcite & Caps	@ \$65.00	32.50

TOTAL \$873.00

STATEMENT OF QUALIFICATIONS
OF

John T. Morton

I certify that I, John T. Morton of 701-1150 Burnaby St., Vancouver B.C. am a qualified Prospector having completed studies in Geology by correspondance, have completed the B.C. & Yukon Chamber of Mines prospecting courses, and have prospected in B.C. for seven years. I have been awarded full Prospector's Assistance Grants on two occaissions.

A handwritten signature in black ink, appearing to read 'John Morton', with a long horizontal flourish extending to the right.

John Morton

May 7, 1980. Vancouver



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

101, 2985 Airport Drive
Kamloops, B. C.
V2B 7W8

September 6, 1979

Mr. J. T. Morton
701 - 1150 Burnaby Street
Vancouver, B. C.

Dear John:

Re: JTM 1-4, AEG 1-2
Blue River Area - 83D3E

On an interim basis, herein are some of our findings to date.

First, the "red" bed on the side of the mountain we were able to see from the road is caused by limonite staining, but not by carbonatite limonite red staining. The limonite at that site is the result of oxidization of fine-grained pyrite disseminated in a quartzite. The day I went in there, I was curious about the more exposed rocks so I made a small traverse per the enclosed copy of 83D3E, 1:50,000. The position as to where I think the truck may have been parked is marked; this location is accessible from about 19 or 20 km along the main road. I include this piece of incidental information to save you the bother of hiking there. The "ribbed" dikes in the back range are caused by coarse-grained quartz-albite-biotite-muscovite-dravite (mg tourmaline) pegmatites which occur subparallel to the strike and dip of the metaschists, and cutting the metaschists. Some of the coarse pegmatites are slightly radioactive, approximately 3 to 4 times background. A scintillometer was carried on this traverse as the carbonatite on the main logging road is highly radioactive, and I felt that the scint would be a good exploration method. I did not check the carbonatite on the upper "cut" from about km 13 as it was getting dark when I came out. The area traversed per the map once on the ridges had almost continuous outcrop so with the scint I believe I would have seen any carbonatite.

Mr. J. T. Morton
September 6, 1979
Page 2

The sample of the red soil showed 19 ppm U, and 29 ppm Nb; I also asked for a 30 spec which should arrive soon. (verbal report from Victoria)

The silvery needles with the silvery base were analysed per the lab report 22003M enclosed. With a copy of same and copy of this letter to Fraser, I include a piece of the rock for his examination and comments. Perhaps Fraser may have seen something like this before?

Further enclosed is a copy of our report 21980M of the brown-black non descript mineral? we found in the carbonatite at the "main" showing.

Using a Sutherland M-65 stereoscope air photos BC 7811, 157, 158 and 159 were studied and other than the oval that seems apparent near the main showing but is not obvious in the field, the other "rings" are still even less obvious than on the reprint of 159 you left with me.

Rock samples are being prepared for thin sectioning and when these are sent off and returned, I will have a further report.

As a general comment, I was disappointed that my traverse on foot did not turn up more and that I ran out of time at lower elevations. However, maybe I will be back there before the snow becomes excessive.

Yours truly,



Gordon P. E. White, P.Eng.
District Geologist

lc

cc: Mr. F. Shepherd



MINISTRY OF MINES
AND PETROLEUM RESOURCES
KAMLOOPS, B.C.
Rec'd. SEP 4 - 1979

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

ENERGY

SAMPLE RECEIVED FROM..... G. WHITE

ADDRESS..... #101 - 2985 Airport Drive, Kamloops, B. C. •

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
22003M	GW 39/79	<p><u>XRD Report</u></p> <p>The needle-like material and the micaceous-looking base of the silvery coating appear to be the same mineral. They could not be separated for separate analyses. Only the MUSCOVITE diffraction pattern has been obtained. However, it is surely odd to have muscovite occurring in this way.</p> <p><i>John Norton</i> <i>JT.M.F.4</i></p>

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DATE..... August 30, 1979.....

[Signature]

CHIEF ANALYST AND ASSAYER.



ENERGY

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

MINISTRY OF MINES AND PETROLEUM RESOURCES KAMLOOPS, B.C.		
Rec'd. SEP 4 - 1979		

SAMPLE RECEIVED FROM..... G. WHITE

ADDRESS..... #101 - 2985 Airport Drive, Kamloops, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
21980M	GW 38-79	<p><u>XRD Report</u></p> <p>The dark portion of the submitted sample is largely amorphous with remnants of FORSTERITE and CHONDRODITE, $(Mg,Fe)_3(SiO_4)_2(F,OH)_2$ (A humite group mineral) still identifiable. (This together with the associated carbonate and mica, presumably phlogopite, suggest an altered skarn??)</p> <p><i>Jim Miller</i> J.T.M. - 4</p>

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DATE..... August 29, 1979

M O N A S H E E

