

LOG NO: SEP 30 1993 RD.

ACTION.

1992 - 93 ASSESSMENT REPORT

FILE NO:

Including

GEO-CHEM SURVEY AND TRENCHING RESULTS

THE AB MINERAL GROUP CLAIMS

THE GOLDEN MINING DIVISION, GOLDEN, B.C.

NTS MAP: M82K/15W ✓

Lat. 50 Deg. 55 Min. ✓

Long. 116 Deg. 56 Min. ✓

FILMED

for

James S. Adamson, and Sodi Berar, (Operators)

James S. Adamson, and Sodi Berar, of Calgary,  
Alberta, owners of the AB Group.

Report prepared by-

William D. van der Lee, P. Eng. Sept. 5, 1993.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**23,020**

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INCLUSIONS :

INDEX MAP, ASSAY REPORTS, CLAIM LOCATION MAP, GEOLOGICAL MAP AND  
GEO-CHEM AND TRENCHING MAP.

PROPERTY

The property consists of one unpatented mineral claim of 8 units, and 5 one unit claims, for a total of 13 units.

It is known as the AB Mineral Group.

The AB Mineral Group is owned by James S. Adamson and Sodi Berar of Calgary.

LOCATION AND ACCESS

The AB Mineral Group is located on both sides of Crystalline Creek, and south of the junction of Crystalline and Vowell Creeks.

The claim area is 56km south west of Parsons, B.C., and can be reached by forestry road.

The property lies on the the west slope of the Vowell Creek Valley at elevations from 1300m to 1800m. Most of the units are accessable by four wheel drive vehicles over existing logging trails. Some of the claim area has been logged, and new road construction on the claims suggests further logging in the near future.

ECONOMIC GEOLOGY

Recent road construction has exposed mineralization which appears to establish the continuity of mineralization with that of the Columbia River Mines property to the NW, which produced and shipped lead-zinc concentrates during the 1970's.

## GEOLOGY

The Claim Group is in the Purcel Range, which was mapped J. E. Reesor, (G.S.C.) Map 12, 1957, (Lardeau Half).

The area is underlain by rock of the Horsethief Creek Series, which consists of argillite, quartzite, pebble conglomerate, and limestone of the late precambrian age. The mineralization appears to have come from a large stock of granodiorite of the mesozoic age which lies to the southeast. There are several folds in the area which dip at approximately 25 degrees. Columbia River Mines occurs in such a synclinal fold within a limestone band.

The AB Claims have few outcroppings because the heavy overburden near the valley floor makes detailed surface geology very difficult.

## INTRODUCTION

In an effort to extend the area of mineralization which was found on the upper switchback road in 1990-91, trenching and geo-chem sampling was carried out on the lower road which parallels it and runs along the base of the mountain. The anticline-syncline structures indicated by previous mapping on the Mine Quest Property to the NW and the recent geological survey done by Cominco along this lower road, would indicate the upper mineralization should be found on this lower level. Our

geo-chem survey shows four zones of higher than normal Pb, Zn, readings, which range up to 60m wide. While the readings are not high, we feel this could be due to the heavy overburden at the base of the mountain. The trenching also exposed two beds of manganese 1m and 2m wide for a distance of 20 to 30m in the road bank. These beds were very similar to those found in the road above during the 1990-1 season.

Gold Assays were run on the mineralized zone between the 200m and 267m locations and 7 of the 12 samples showed gold values from 49ppb up to 421ppb.

#### GEO-CHEM SURVEY AND TRENCHING REPORT

The geo-chem survey was done along the lower switch back road which runs north and south. Samples were taken every 10 meters, and at closer intervals in what appeared to be mineralized zones. All sampling was done in the bank of the road. There has been considerable erosion of the road banks and trenching was often necessary to get to the original bedding so a proper sample could be taken. This trenching also exposed the manganese beds mentioned above. All samples were assayed at Loring Laboratories in Calgary, Alberta. An 80 mesh screen was used with all samples, and the analysis was done by hot acid digestion and atomic absorption spectroscopy. The samples were collected by Jim Adamson, and Sodi Berar. The samples were assayed for Pb and Zn. 12 samples were assayed for gold.

CONCLUSIONS AND RECOMMENDATIONS

Work done this season has shown that the manganese does extend to the SE from the upper switch back road. It is interesting to note that the beds are somewhat thicker than the two beds which were located on the upper road in the 1990-91 season. The values in lead and zinc were not high but trenching with a back-hoe to remove the heavy overburden might boost these grades significantly.

As the area has shown promise as a possible gold property, and our assays in gold this season are encouraging, all samples should be further assayed for gold if sufficient pulps permit.

A geo-chem line should be run on the east side of Crystalline Creek to see if the mineralization found this season continues to the east.

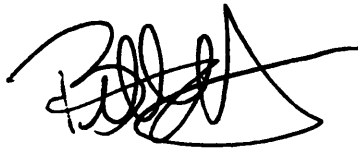
SUMMARY

An analysis of the anticline-syncline structures in the area as they relate to the AB Properties indicated that previous mineralization found along the upper switch-back road should continue downslope through the lower road. Trenching to remove weathered material from the road banks to get to the original bedding has located above normal lead-zinc readings in at least three locations, as well as gold readings of up to 421ppb in the location tested. Trenching also exposed two beds of manganese with thicknesses of 1m and 2m.

C E R T I F I C A T E

This is to certify that I, William D. van der Lee :

1. Am a resident of Calgary, Alberta, 1416 Colleen Ave. S.W. Calgary, Alberta. T2V 2R5
2. Am a graduate of the University of Alberta, B.Sc. in Civil Eng. (1980)
3. Have visited the AB Group Claims during the 1992-93 reporting season.
- 4 Have authorized this report after examination of the field data and the G.S.C. Reports pertaining to the area.



William D. van der Lee, P. Eng



STATEMENT OF COSTS

Geo-chem and Assays .....	390.00
Gold Assays .....	90.00
Labor - geo-chem @ hand trenching.	
2 men - 2 days @ 90.00 per day .....	360.00
Board - 4 man days .....	100.00
Geo-chem bags and supplies .....	49.00
4 x 4 - @ 40.00 per day .....	80.00
Chain Saw - @ 8.00 day .....	16.00
Travel in B.C. ....	60.00
Preparing Report and maps .....	300.00
	<hr/>
Total costs .....	1445.00

117°00'

M82K/15W

51°00'

M82K/15'

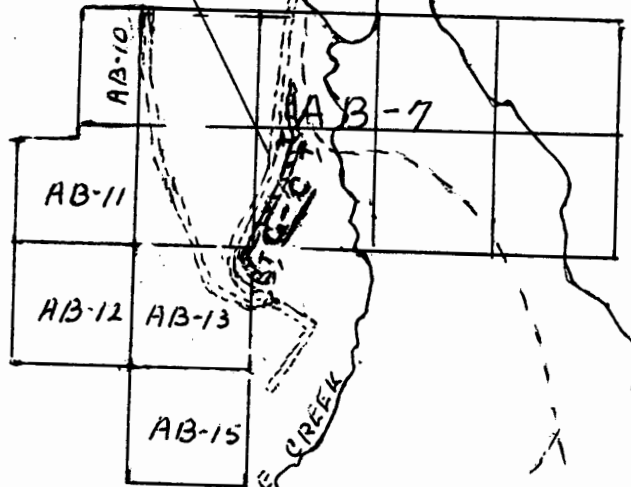
VERMONT CREEK

CRYSTAL CREEK

==== NEW FORESTRY ROAD

54 KM TO PARSONS B.E.

YOWELL CREEK



1992-93 -  
 INDEX MAP # 1  
 AB CLAIMS  
 Geo-chem = G.C  
 TRENCH = T

500 M

117°00  
51°00  
M82K 15W

7737  
DEB 6  
955 (9)

VMT 1  
2055 (9)  
55x4W

6663  
6662  
15448  
107263  
8122  
VERMONT 1  
VERMONT 2  
1862 (4)  
107263  
35x1W  
VMT 2  
2056 (9)  
4N x 5W

CRYS 20  
2299 (11)  
55x3E

VMT 8  
2246 (9)  
35x4W

CRYS 6  
2285 (11)  
CRYS 5  
2284 (11)  
CRYS 8  
2287 (11)  
CRYS 7  
2286 (11)  
CRYS 1  
2285 (11)  
CRYS 9  
2288 (11)  
VMT 9  
2251 (9)  
CRYS 10  
2289 (11)  
VMT 10  
2252 (9)  
CRYS 11  
2290 (11)  
2253 (11)

VMT 12  
2247 (9)  
VMT 3  
2057 (9)  
VMT 6  
2247 (9)  
VMT 7  
2248 (9)  
AB-11  
2229 (8)  
AB-7  
2232 (8)  
25x4W

CRYS 12  
2231 (11)  
AB-12  
2230 (8)  
AB-13  
2231 (8)  
DAV 11  
2207 (9)  
DAV 10  
2206 (9)  
DAV 10  
2205 (9)  
AB-15  
2234 (8)  
AVD 1  
2050 (9)  
AVD 2  
2051 (9)  
AVD 3

CRYS 3  
2295 (11)  
4N x 5W

CRYS 1  
2293 (11)  
55x3W  
(202035)

2050 (9)  
2051 (9)

VAD-1-



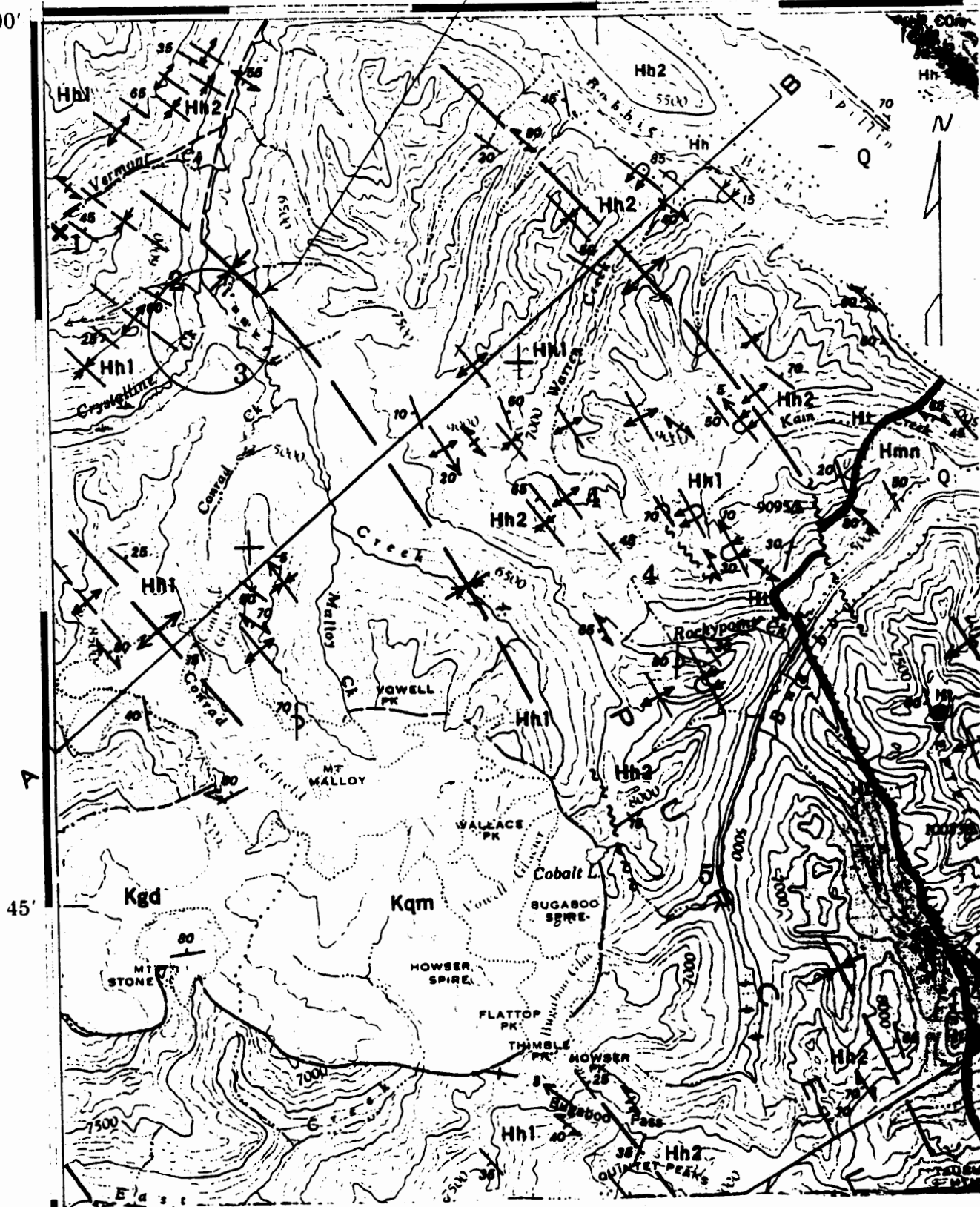
LOCATION MAP

AB-MINERAL GROUP

117 00'  
51 00'

AB-GROUP CLAIMS

45'



Geological Map #3

4000 M

**GEOCHEMICAL ANALYSIS CERTIFICATE**

**Loring Laboratories Ltd. PROJECT 35949-1 File # 93-2130**

629 Beaverdam Road N.E., Calgary AB T2K 4W7

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm
0+110	<1	8356	44	389	287.6	101	52	1519	23.13	6331	<5	13	<2	8	8.4	21049	343	4	.05	.056	8	7	.05	55	<.01	3	.87	<.01	.01	48	9	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.  
 - SAMPLE TYPE: PULP

To: A & B RESOURCES,  
539 - 47th Avenue S.W.,  
Calgary, Alberta T2J 1C5  
 \_\_\_\_\_  
 ATTN: Jim Adamson

File No. 35949  
 Date August 18, 1993  
 Samples Soil



# Certificate of Assay LORING LABORATORIES LTD.

Page # 1

SAMPLE NO.	PPM Pb	PPM Zn
Lower Rd. Switch		
Back End South End		
of Line		
0+ 00	22	116
0+ 10	29	74
0+ 20	7	82
0+ 30	28	98
0+ 40	22	52
0+ 55	14	65
0+ 60	12	27
0+ 70	15	89
0+ 80	50	52
0+ 90	22	188
0+ 95	110	116
0+100	38	77
0+110	36	440
0+120	31	103
Stream 0+130	68	158
0+135	40	117
0+140	52	150
0+150	37	118
0+160	26	70
0+170	36	92
0+180	83	80
0+190	32	95
North 0+200	33	135
0+210	31	73
0+220	60	60
0+230	88	93
0+240	36	77
Bog Black 0+250	19	71

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Objects retained one month.  
 ulps retained one month  
 unless specific arrangements  
 are made in advance.

*Handwritten Signature*  
 \_\_\_\_\_  
 Assayer

To: A & B RESOURCES,  
539 - 47th Avenue S.W.,  
Calgary, Alberta T2J 1C5  
 \_\_\_\_\_  
 ATTN: Jim Adamson

File No. 35949  
 Date August 18, 1993  
 Samples Soil



## Certificate of Assay LORING LABORATORIES LTD.

Page # 2

SAMPLE NO.	PPM Pb	PPM Zn
0+250	37	106
0+260	28	65
0+264	152	240
0+265	162	184
0+266	38	146
0+267	40	115
0+268	31	95
0+269	33	90
0+273	32	96
0+280	28	91
0+290	37	102
0+300	29	102
0+308	23	204
Rocks 0+320	2	31
0+320	28	76
0+330	25	81
0+340	17	76
0+350	22	82
0+360	30	96
0+370	16	109
0+380	19	110
0+390	20	75
0+400	19	89
0+410	23	89
0+420	35	95
0+430	15	94
0+435	16	75
0+440	16	98
0+446	21	110
0+450	21	105
0+453	22	93
0+457	34	173

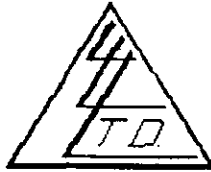
I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.  
 Slips retained one month  
 unless specific arrangements  
 are made in advance.

*James Walsh*  
 \_\_\_\_\_  
 Assayer

To: A & B RESOURCES,  
539 - 47th Avenue S.W.,  
Calgary, Alberta T2J 1C5  
ATTN: Jim Adamson

File No. 35949  
Date August 18, 1993  
Samples Soil



## Certificate of Assay LORING LABORATORIES LTD.

Page # 3

SAMPLE NO.	PPM Pb	PPM Zn
0+458	64	193
0+460	24	143
0+464	28	92
0+470	59	148
0+473	60	130
0+476.8	49	152
0+479	51	157
0+480	48	170
0+505	34	100
0+525	25	69
0+534	21	91
0+544	27	108
0+557	26	89
0+567	30	89
0+574	23	95
0+584	29	133
0+584	72	105
0+600	36	164
0+610	35	152
0+620	36	141
Culvert 0+630	33	117
Large 0+671	67	95
0+683	47	83
0+705	217	178
0+739	43	204
0+762	46	160
Stop Here 0+833	30	37
Channel 6.5 Ft Wide at 485 Metres	70	167
Channel 4.5 Ft Wide at 510 Metres	26	87

I Hereby Certify that the above results are those  
assays made by me upon the herein described samples....

Objects retained one month.  
Culps retained one month  
unless specific arrangements  
are made in advance.

  
Assayer



To: A & B RESOURCES,  
539 - 47th Avenue S.W.,  
Calgary, Alberta T2J 1C5  
ATTN: Jim Adamson

File No. 35949-2  
Date September 22, 1993  
Samples Soil



# Certificate of Assay LORING LABORATORIES LTD.

SAMPLE NO.

PPB  
GOLD


## Geochemical Analysis

Lower Rd. Switch  
Back End South End  
of Line

0+ 20	45
0+ 30	240
0+ 40	21
0+ 55	16
0+ 60	<5
0+ 70	17
0+ 80	68
0+ 90	150
0+ 95	101
0+100	409
0+110	7180
0+120	20

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Objects retained one month.  
Rulps retained one month  
unless specific arrangements  
are made in advance.

  
Assayer

