

5651

Oct 28th 1975

#5651

Mr Dave Wiklund
Boswell, B.C.

In account with H Davies Box 1153 Creston, B.C.

Re: Geochemical survey on your Michel claim group.

Soil, sampling, Surveying locations etc ---- 3 days
@ \$180.00/day ----- \$540.00

Preparing Maps, writing report --4 days ----- \$720.00

Travelling 960 miles @ 20¢ ----- \$192.00

Sub Total \$1,452.00

Disbursements:

soil sampler for Pb, Zn.
Assays 108 @ \$1.50 ----- \$162.00

Drafting maps ----- 34.50

Reproductions ----- 27.75

Typing, preparing reports etc ----- 25.00

\$249.25

Total -- \$1,701.25

Harry Davies

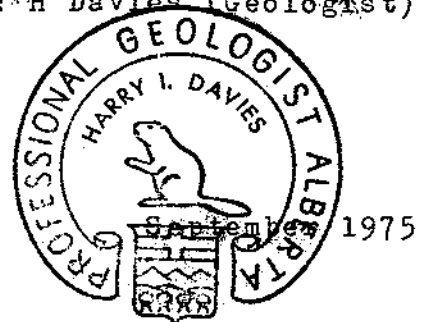
respectively submitted

Department of Mines and Petroleum Resources ASSESSMENT REPORT	
NO. <u>5651</u>	MAP

GEOCHEMICAL SURVEY
OF
MICHELL CLAIM GROUP
East Kootenay Area, B.C.



By: H Davies (Geologist)



INTRODUCTION

The writer:Mr Harry Davies was contracted by Mr Dave Wiklund of Boswell,B.C. to carry out a Geochemical exploration project on his Michell group of claims,located in the East Kootenay area of British Columbia.The location of sample points and the collection of samples were carried out by myself during the last week of August. Geochemical analysis was done by Loring Laboratories Ltd of Calgary, Alberta.Results of these analysis are presented in chart and map form and are enclosed herein.One of the purposes of this work is to earn work credits as outlined in the Mineral Act Regulations of British Columbia.

LOCATION

The Michell group of claims consists of four contiguous claims formerly called Michell #1 and #2 and Dianne #1 and #2 with Record Nos. 14540,14541,15661 and 15662 respectively.

The claims are located astride a ridge seperating the La France and Lochart drainage systems east of Kootenay Lake (refer to map) Access by logging roads to the Dianne claims is possible,but access to the Michell claims can only be gained by walking or by helicopter. A helicopter pad has been constructed on the top end of Michell #2 and was used a number of times in 1974.

TOPOGRAPHY

Some logging has been done around the lower end of the Dianne #1 & #2 claims,otherwise the area is covered with larch,spruce and fir with very little underbrush.Travel is fairly easy.

The claims lie straddling a ridge and continues down each side

with a drop of more than a thousand feet in elevation. The surface area is characterized by a number of ridges and associated open gullies, some of which are seasonal water courses. The area is well drained and dry. Refer to accompanying map made from elevations obtained by a brometer type instrument.

SAMPLING PROCEEDURE

Sample ststions were located by using a Brunton compass and a measuring chain. Tie ins were effected at the end of each line. Each station was flagged and locations recorded on each flag. Sample stations were 50 feet apart in an East-West direction and each line was 200 feet apart. The "A" line corresponded to the original claim line located between Dianne #1 & #2.

All samples were collected from the "C" horizon which exhibited a deep red ferruginous colour due to oxidation. The sample holes were dug to a depth of one to two feet. The samples were bagged in cloth bags and allowed to dry. They were subsequently taken to Loring Laboratories in Calgary, Alberta for analysis.

LABORATORY PROCEEDURE

Samples were dried at 105 degrees for 12 hours. When dried the samples were sieved through an 80 mesh screen with the - 80 fraction retained for analysis. A one half gram sample was put into a test tube along with 1 ml. water 3 ml. concentrated HCl and 1 ml. concentrated HNO₃. The sample was then digested in a water bath at 100 degrees Centigrade with an occasional shaking to ensure complete digestion.

Water was then added to bring the sample up to 10 ml., shaken and allowed to settle; then put through an atomic absorption apparatus with the appropriate standards.

ASSAY RESULTS

(Refer to attached Geochemical data)

Analysis were requested on the lead (Pb) and Zinc (Zn) content of the soil samples.

The lead results indicate a relatively high background value of 100 PPM. Anything higher than that appears to be anomalous. Values over 1000 PPM are common with a number of values approaching 4000 PPM. The two main anomalies trend in a North 10 degree East direction and roughly follows an observed contact between an Argillite Schist and a Limy Quartzite, the latter being the host rock of the suspected mineralization. Two parallel trends are indicated with one being in excess of 1400 feet in length. A number of weaker anomalies also occur two of which appear to lie within the Argillite Schist.

The Zinc assays indicate a much higher back ground reading than the lead. A value of 300 PPM was selected as the background for Zinc. About 50% of the values obtained were over 1000 PPM, 20% of the values over 2000 PPM. The highest value of 7740 PPM occurred on the up dip edge of the surveyed area at the highest elevation sampled.

The Zinc anomalies generally are coincident with the lead anomalies. The higher back ground may be due to the relative ease at which the zinc is transported or may be due to the ratio of zinc to lead in the underlying mineralization.

INTERPERTATION

A tentative interperatation of the geochemical assay results is possible at this time. It is obvious that the indicated anomalies could be extended both in the south and north direction. A tentative examination of the few outcrops and soils indicates a considerable

extension of the mineralized zones along the contact between the argillite schist and the limy quartzite of the Dutch Creek Formation. Quartz, dolomite, barite and fluorite vein materials have been noted in a number of places close to this contact. Also some replacement type mineralization has been noted in the limy quartzite.

While the writer believes that the mapped lead and zinc anomalies indicate the presence of underlying mineralization it could not be determined from the correlative information if the mineralization is related to a vein deposit or to some other form. The coincidental lead and zinc anomalies enhances the prospect of underlying mineralization.

In correlating the lead and zinc anomalies with the topography map it appears that the anomalies are not the result of a mechanical dispersion due to topography, with the exception of the anomaly located around the B1 and B3 locations

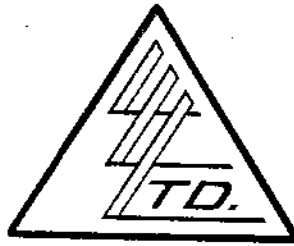
RECOMMENDATIONS

The expansion of the Geochemical survey in both a North and South direction should be conducted in order to determine the up dip and down dip limits. From random samples collected and analysed earlier it appears certain the existing anomalies could be expanded to include a large portion of the Dianne #2 claim in a down dip direction. Also this anomaly may be a continuation of a similar anomaly located on the Michel #1 & #2 where very high lead and zinc geochemical values were obtained in a number of random samples.

The above Geochemical program could then be followed an initially limited I.P. survey to test the better Geochemical areas for an I.P. response.

To: H. DAVIES CONSULTANTS LTD.,
 Box 1153,
 Creston, B.C.

File No. 10381
 Date September 3, 1975
 Samples Soil Geochems



Certificate of
 ASSAY of

LORING LABORATORIES LTD.

GROUP # 1

PAGE # 1

SAMPLE No.	PPM	
	Pb	Zn
A 1	39	175
A 2	31	386
A 3	50	329
A 4	145	526
A 5	81	490
A 6	125	725
A 7	165	800
A 8	100	925
A 9	125	416
A10	194	500
A11	477	1645
A12	450	875
A13	232	825
A14	42	140
A15	51	200
A16	38	190
A17	28	195
A18	50	265
A19	26	140
A20	17	54
B 1	15	28
B 2	370	2325
B 3	272	2200
B 4	110	800
B 5	140	950
B 6	181	1545
B 7	194	1235
B 8	304	1715
B 9	573	2200
B10	356	2000
B11	137	950

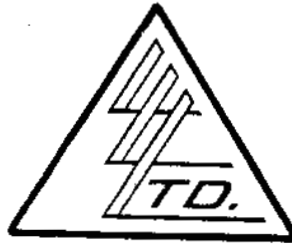
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Licensed Assayer of British Columbia

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Certificate of
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GROUP # 1

PAGE # 2

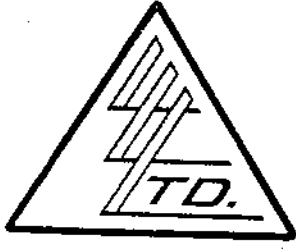
SAMPLE No.	PPM	PPM
	Pb	Zn
B12	314	1035
B13	165	440
B14	125	548
B15	100	473
B16	110	500
B17	85	548
B18	165	490
C 1	53	322
C 2	42	350
C 3	258	1325
C 4	796	2630
C 5	156	1450
C 6	295	1150
C 7	304	1325
C 8	932	1610
C 9	332	1205
C10	2000	3780
C11	225	625
C12A	445	1415
C12B	370	1675
C13	700	1475
C14	300	1260
D 1	28	54
D 2	1000	1475
D 3	1800	1750
D 4	3950	1890
D 5	2435	1715
D 6	326	1415
D 7	1250	3290
D 8	470	3940
D 9	219	850

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 ATTN: Mr. H. Davies



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 Samples Soil Geochems

**Certificate of
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GROUP # 1

PAGE # 3

SAMPLE No.	PPM Fb	PPM Zn
D10	450	825
D11	206	1820
D12	1050	1545
D13	53	465
E 1	100	121
E 2	567	1575
E 3	1500	2630
E 4	3980	5480
E 5	1850	4650
E 6	445	2240
E 7	1425	5000
E 8	2725	1575
E 9	1075	1000
E10	60	109
F 1	12	38
F 2	20	97
F 3	140	364
F 4	2674	2000
F 5	2075	4900
F 6	810	4900
F 7	842	2045
F 8	1780	3860
F 9	693	3290
F10	385	1295
F11	815	2045
G 1	380	1035
G 2	724	1970
G 3	3675	2680
G 4	4400	7740
G 5	276	1385
G 6	152	409
G 7	994	1715

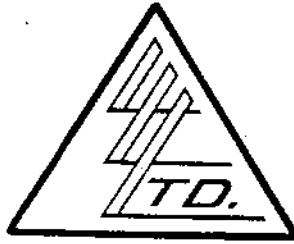
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ATTN: Mr. H. Davies

Certificate of
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LORING LABORATORIES LTD.

GROUP # 1

PAGE # 4

SAMPLE No.	PPM Pb	PPM Zn
G 8	465	975
G 9	38	145
G10	39	100
G11	40	135
NB 1	51	185
NB 2	51	218
NB 3	21	90
NB 4	31	170
NB 5	110	875
NB 6	105	409
NB 7	125	207
NB 8	823	1675
NB 9	1335	4160
NB10	34	975
NB11	53	440

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Pulps Retained one month
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A. L. M. A. A. A.
Licensed Assayer of British Columbia

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Hatch Cr.

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8731 8732
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9 10

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5651 MAP 1

Lockhart Cr.
Sylvan Cr.

La France Cr.

7233 CG
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15618 WALL 5
15619 WALL 6
15620 WALL 7
15621 WALL 8
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15630 WALL 1
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15729 WALL 100

FORT STEELE M.D.
NELSON M.D.

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MICHELL GROUP

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100 METRE MAP SCALE

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA B.C.

For up-to-date information on claims in any area you should refer to the Mining Act

This map is to the scale of 1:50,000

DIANNE 2

DIANNE 1

N.B. Line

A Line

B Line

C Line

D Line

E Line

F Line

G Line



Initial Claim Post

ARGILLITE

5651 M-2

MICHELL CLAIM GROUP

GEOCHEMICAL SAMPLE LOCATIONS

PB -- P.P.M., — CONTOURED ON 500 P.P.M.

Sept., 1975

Scale: 1"=100 Feet

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5651 MAP 2

DIANNE 2

DIANNE 1

Initial Claim Post

ARGILLITE

N.B. Line

A Line

B Line

C Line

D Line

E Line

F Line

G Line



MICHELL CLAIM GROUP

GEOCHEMICAL SAMPLE LOCATIONS
ZN -- P.P.M., — CONTOURED ON 1000 P.P.M.
Sept., 1975 Scale: 1" = 100 Feet

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5651 MAP 3

DIANNE 2

Initial Claim Post

DIANNE 1

ARGILLITE

N.B. Line

A Line

B Line

C Line

D Line

E Line

F Line

G Line



MICHELL CLAIM GROUP

GEOCHEMICAL SAMPLE LOCATIONS

ELEVATION — CONTOUR INTERVAL 25'

Sept., 1975

Scale: 1" = 100 Feet

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5651 MAP 4