

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.12.30

ASSESSMENT REPORT 19589

MINING DIVISION: Cariboo

PROPERTY: Bluto
LOCATION: LAT 52 15 00 LONG 120 45 00
UTM 10 5791011 653597
NTS 093A02E 093A02W 093A07E 093A07W

MAP: 036 Cariboo - Quesnel Belt

CLAIM(S): Veanna, Bluto 1-3, Kit, Keg
OPERATOR(S): Inter Can. Dev. Stewart, D.J.
AUTHOR(S): Allen, D.G.; Sykes, E.
REPORT YEAR: 1990, 32 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Mississippian-Permian, Metavolcanics, Quesnel River Group, Quartzites
Slates, Phyllites

MARK

REMARKS: Geological, Geophysical, Geochemical, Physical
EMGR 3.5 km; VLF
GEOL 200.0 ha
LINE 4.0 km
MAGG 4.0 km
ROCK 11 sample(s) ; ME

RELATED

REPORTS: 13241, 17903



GEOPHYSICAL, LITHOGEOCHEMICAL AND PROSPECTING REPORT

on the

CROOKED LAKE PROPERTY

Cariboo Mining Division - British Columbia

Lat. 52° 15' N.

Long. 120° 45' W.

FILMED

N.T.S. 93 A/7E

BLUTO 1	7749	20 units
BLUTO 2	7750	20 units
KIT	5311	20 units
KEG	5314	10 units
BLUTO 3	8810	4 units
VEANNA	9469	20 units

LOG NO: 0129	RD.
ACTION:	
FILE NO:	

for

INTER-CANADIAN DEVELOPMENT CORP.

SUB-RECORDER RECEIVED
JAN 22 1990
M.R. # _____ \$ _____
VANCOUVER, B.C.

by

Evan Sykes, B.A.Sc.

and

Donald G. Allen, P. Eng. (B.C.)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19,589

January, 1990

Vancouver, B.C.

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SUMMARY, CONCLUSION AND RECOMMENDATIONS

Inter-Canadian Development Corp. holds 93 claim units in the Crooked Lake area southeast of Horsefly, B.C. Access is via good logging roads from Williams Lake or 100 Mile House, B.C. The property lies on the eastern edge of the Cariboo-Quesnel Gold Belt, a geologically favourable setting for Frasergold type gold prospects.

The property is underlain by sedimentary units of the Quesnel River Group of Upper Triassic age. These units are similar to those hosting the Frasergold gold prospect 13 kilometres to the east.

In 1987 and January, 1988, 26.0 line kilometres of grid were established and 593 soil samples collected at 50 metre intervals. A total of 24.5 line kilometres was surveyed at 25 metre intervals utilizing a Scintrex MP-2 proton magnetometer and 22.75 line kilometres utilizing a Sabre Model 27 VLF-electromagnetic unit. This survey delineated three geochemical and geophysical anomalous zones.

A limited lithogeochemical survey and prospecting was conducted across the three zones during October and November of 1988. A total of 11 rock samples were collected and analysed for gold by atomic absorption techniques and a standard 30 elements by inductively coupled plasma spectrometry. Also during this period, the 1987-1988 grid was expanded by 4.0 line kilometres to the southeast. A total of 4.0 line kilometres of the additional grid was surveyed at 25 metre intervals utilizing a Scintrex MP-2 proton magnetometer and 3.5 line kilometres utilizing a Sabre Model 27 VLF-electromagnetic receiver. This survey extended the length of two conductors revealed by the 1987-1988 survey as well as delineating two new strong conductors. This limited work program, partially hampered by snow conditions, was unable to determine the cause of the geochemical and geophysical anomalies delineated by the 1987-1988 work program.

The two phase program that was proposed in the March 5, 1988 report by Brownlee and Allen should therefore be carried out to fully evaluate these anomalous areas.

INTRODUCTION

Inter-Canadian Development Corp. holds a 50% interest in the Crooked Lake property comprising 93 claim units in the Crooked Lake area of east-central British Columbia. The property is strategically located in the Cariboo-Quesnel Gold Belt, 13 kilometres west of the Frasergold gold deposit which is currently being evaluated by Eureka Resources Ltd. and Southlands Resources Ltd. No mineralization is known on the Crooked Lake property, but it is underlain by the same black phyllite unit that hosts the Frasergold deposit. It was originally staked to cover an area of favourable geology and structural features. Airborne magnetic and electromagnetic surveys in 1984 subsequently discovered geophysical anomalies in the western part of the claim group. In the fall of 1987 and Spring of 1988 a geophysical and geochemical survey was conducted to follow-up the anomalies delineated by the 1984 airborne survey.

This report summarizes a limited lithogeochemical survey as well as magnetometer and VLF-electromagnetic surveys conducted by A & M Exploration Ltd. under contract to and for Inter-Canadian Development Corp. The lithogeochemical survey was conducted by D.J. Brownlee, P. Geol., and D. Allen, P. Eng. and the geophysical surveys were supervised by E. Sykes, B.A.Sc. from October 26th to October 29th 1988.

LOCATION, ACCESS

The property lies immediately west of the north end of Crooked Lake, 85 kilometres east northeast of Williams Lake, British Columbia (Figures 1 and 2). The property lies at 52° 15'N latitude and 120° 45'W longitude and is covered by N.T.S. sheet 93 A/7 and A/2.

Access to the property is by a good grade logging road from Horsefly, B.C. to Crooked Lake and thence by 4-wheel drive road west onto the claims.

Topography in the claim area is gentle to moderately steep. Elevations range from 1000 to 1400 metres (3,300 to 4,600 feet). Slopes are covered with a mature growth of balsam fir and spruce, which locally has been logged.

INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
LOCATION MAP

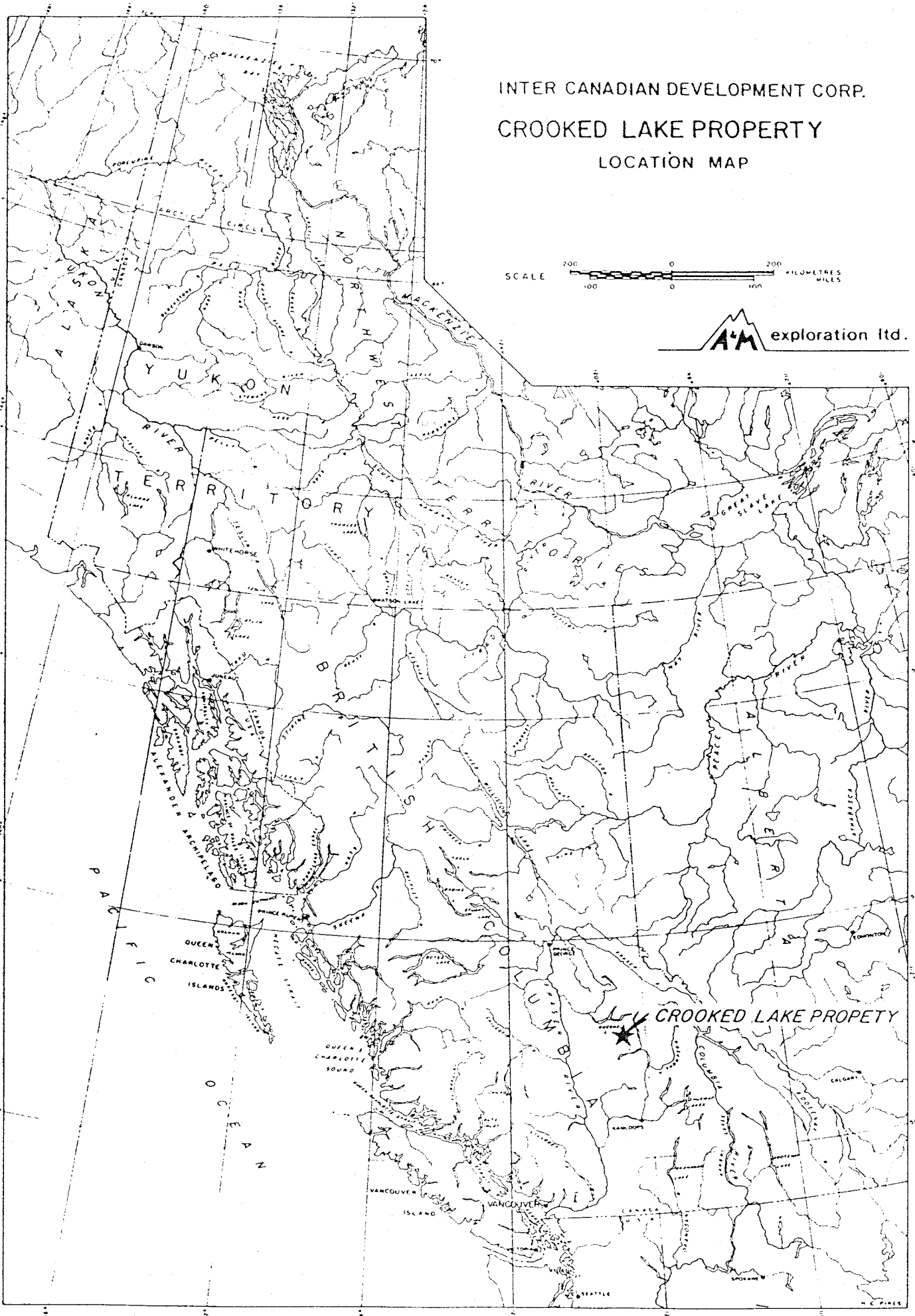
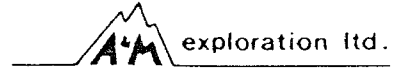
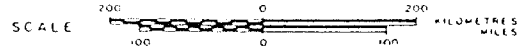
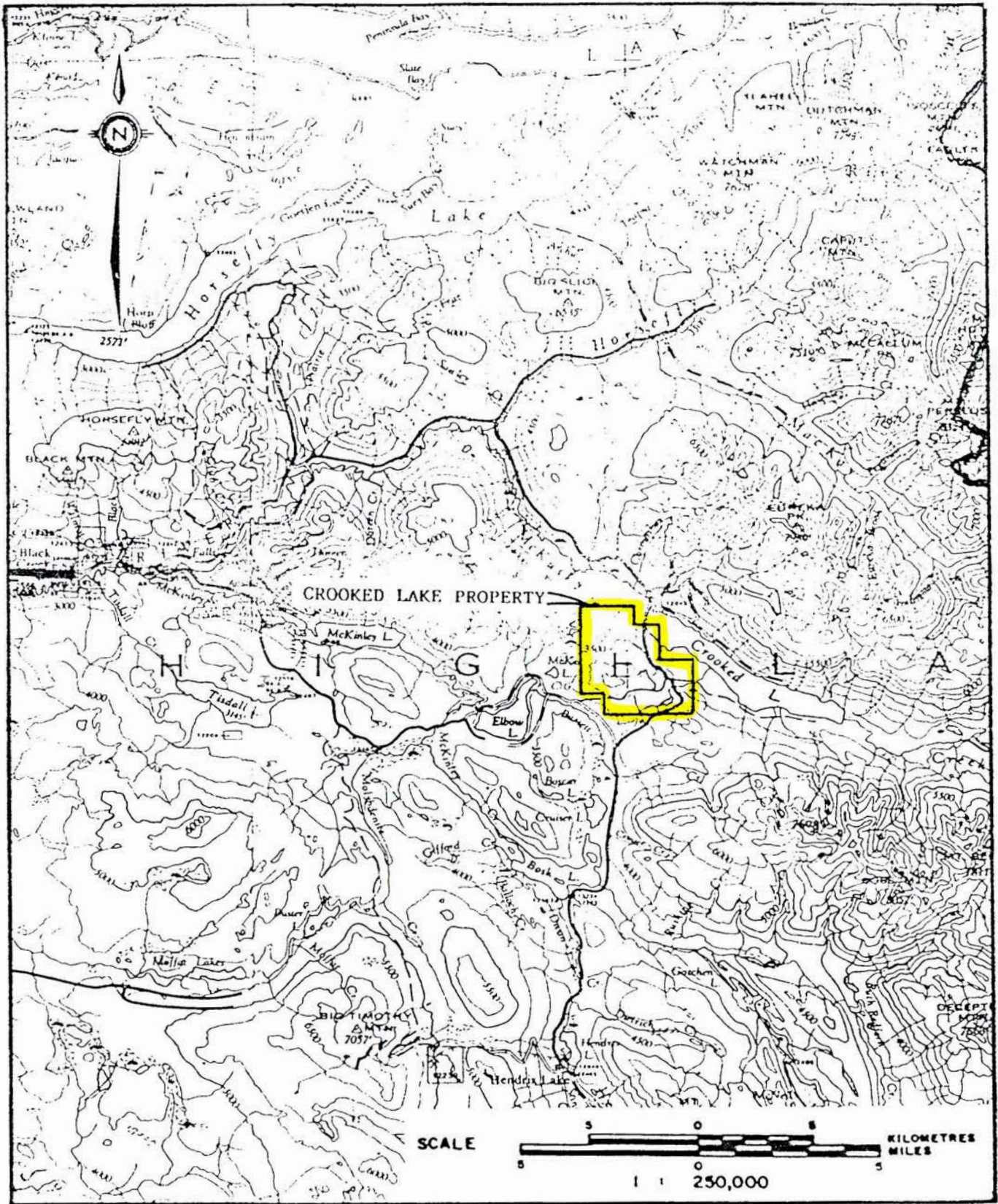


FIGURE - I



INTER CANADIAN DEVELOPMENT CORP.

N.T.S. 93 A/7

ACCESS MAP

CROOKED LAKE PROPERTY

CARIBOO MINING DIVISION - BRITISH COLUMBIA

CLAIM DATA

The Crooked Lake property is comprised of six claims totalling 93 claim units in the Cariboo Mining Division as shown on Figure 3. The claim data is as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u>
BLUTO 1	7749	20	July 4, 1990
BLUTO 2	7750	20	July 4, 1990
KIT	5311	20	Oct. 25, 1990*
KEG	5314	9	Oct. 25, 1990*
BLUTO 3	8810	4	Oct. 26, 1991
VEANNA	9469	20	Oct. 24, 1990*

***Note:** Assuming that credit for this report is accepted.

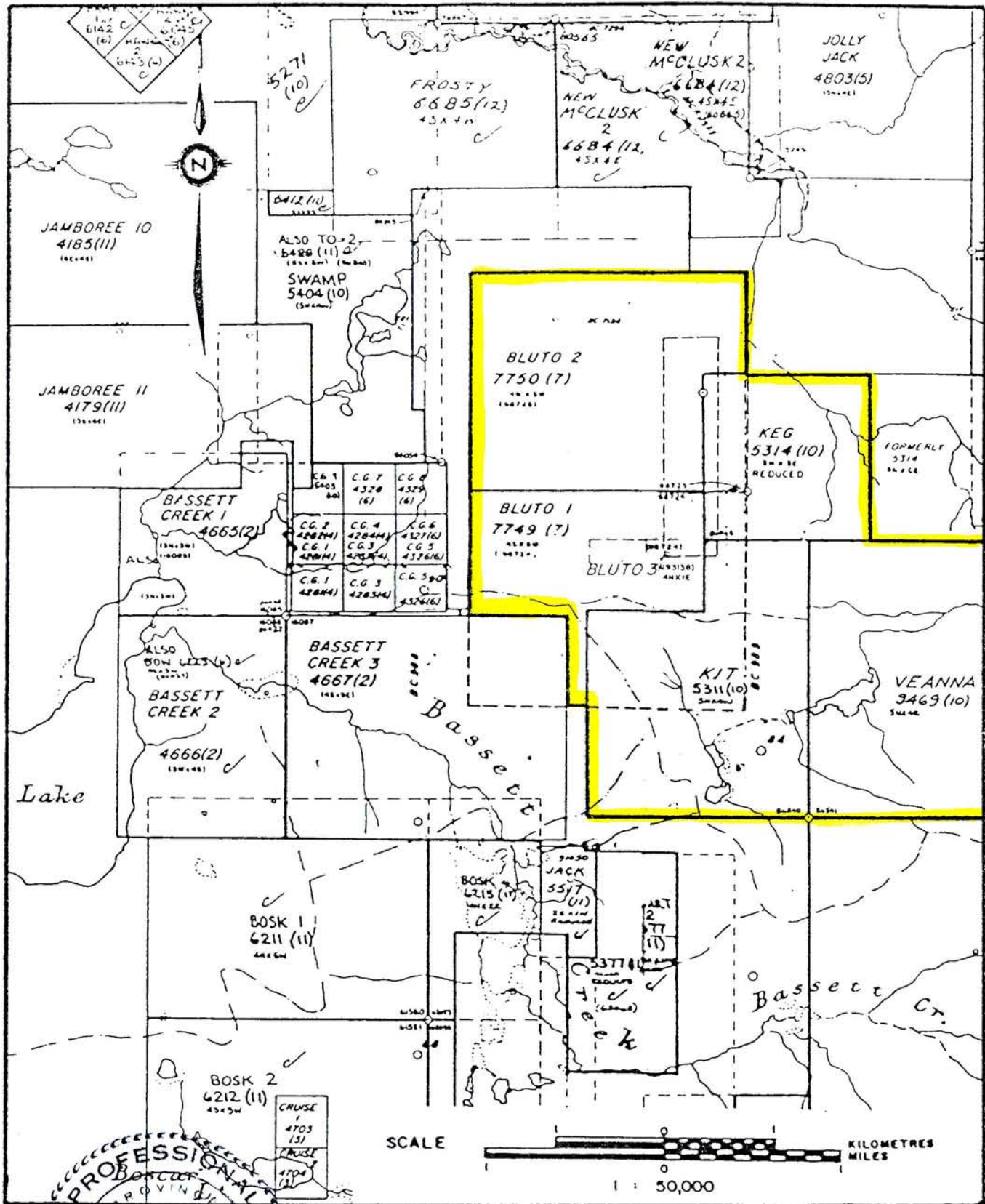
The claims are held by Inter-Canadian under a joint venture agreement with Paragon Resources Ltd.

HISTORY

There is no history of any exploration work in the immediate claim area prior to acquisition by Inter-Canadian and Paragon, however older claim maps show that the ground has been held by various individuals at different times.

An airborne geophysical survey was flown on behalf of the companies by Apex Airborne Surveys Ltd. in June, 1984 which covered the KIT, KEG and ground now covered by the BLUTO claims. This survey identified a distinct VLF-electromagnetic response which trends to the northwest in the centre of the BLUTO 1 claim. The VLF-electromagnetic response according to Sheldrake (1984) was stated to be possibly due to a zone of metallic mineralization although contact and/or fault structure response could not be ruled out.

The airborne survey was followed shortly thereafter by a preliminary program of geological mapping and soil sampling over the area of the BLUTO 1 claim. This program was conducted by Dolmage Campbell and Associates (1975) Ltd. for Paragon Resources Ltd. and Lodestone Mining Corp.



N.T.S. 93 A/7E&W, /2E&W

INTER CANADIAN DEVELOPMENT CORP.

CLAIM MAP

CROOKED LAKE PROPERTY

CARIBOO MINING DIVISION - BRITISH COLUMBIA



exploration ltd.

Figure 3

(predecessor company to Inter-Canadian). The program outlined an area of anomalous gold, arsenic, lead and zinc values in the western portion of the area now covered by the BLUTO 1 claim. There was some question of the actual location of some of the original claims and apparently part of the 1984 survey grid was run on ground not held by the companies. Some of the claims in that area lapsed in 1985 and 1986 and were restaked as the BLUTO 1 and 2 by Douglas J. Brownlee on June 12, 1987.

A preliminary program of magnetometer and soil geochemical surveying was carried out mainly for assessment purposes to the north of the 1984 airborne VLF-EM anomaly from June 25th to June 29th, 1987.

A 1987 - 1988 geochemical and geophysical work program was conducted to investigate the anomalies delineated by the 1984 airborne survey. This survey delineated three zones of interest (Figure 6) as follows:

"Zone 1 is a 50 to 200 metre wide silver-copper anomaly with scattered anomalous arsenic, molybdenum, zinc and gold values with an associated magnetic low and VLF-electromagnetic response. Zone 2 is a large area of anomalous molybdenum, copper, lead, silver, zinc, arsenic and scattered gold values lying on the western flank of the eastern magnetic high. An associated VLF-electromagnetic response is also associated. Where the northward extension of this zone intercepts the magnetic high, the geochemical anomaly becomes less intense, however the VLF-EM response and associated magnetic low shows a northward extension to the zone. Zone 3 is a 50 to 200 metre wide silver-copper anomaly with weak zinc, molybdenum, arsenic and gold anomalies lying on the eastern flank of the southern magnetic high. There is also a VLF-EM response associated with this zone."

1988 WORK PROGRAM

The 1988 work program consisted of a limited lithochemical and prospecting survey, covering the three zones of interest delineated by the 1987-1988 work program. A total of 11 rock samples were collected. The

purpose of this survey was to try and determine the basis for the delineated geochemical and geophysical anomalies and determine if further work is warranted.

The 1988 work program also included VLF-electromagnetic and magnetometer surveys over an extension of the 1987-1988 grid. The purpose of the geophysical surveys were to extend electromagnetic and magnetic anomalies associated with one of the three zones of interest (Zone 1) delineated by the 1987-1988 work program. This geophysical work was supervised by E. Sykes, B.A.Sc.

D.J. Brownlee, P. Geol., and D. Allen, P. Eng. conducted this survey on October 20th and 21st and November 11th, 1988, with a total of 11 rock samples being collected.

GEOLOGY

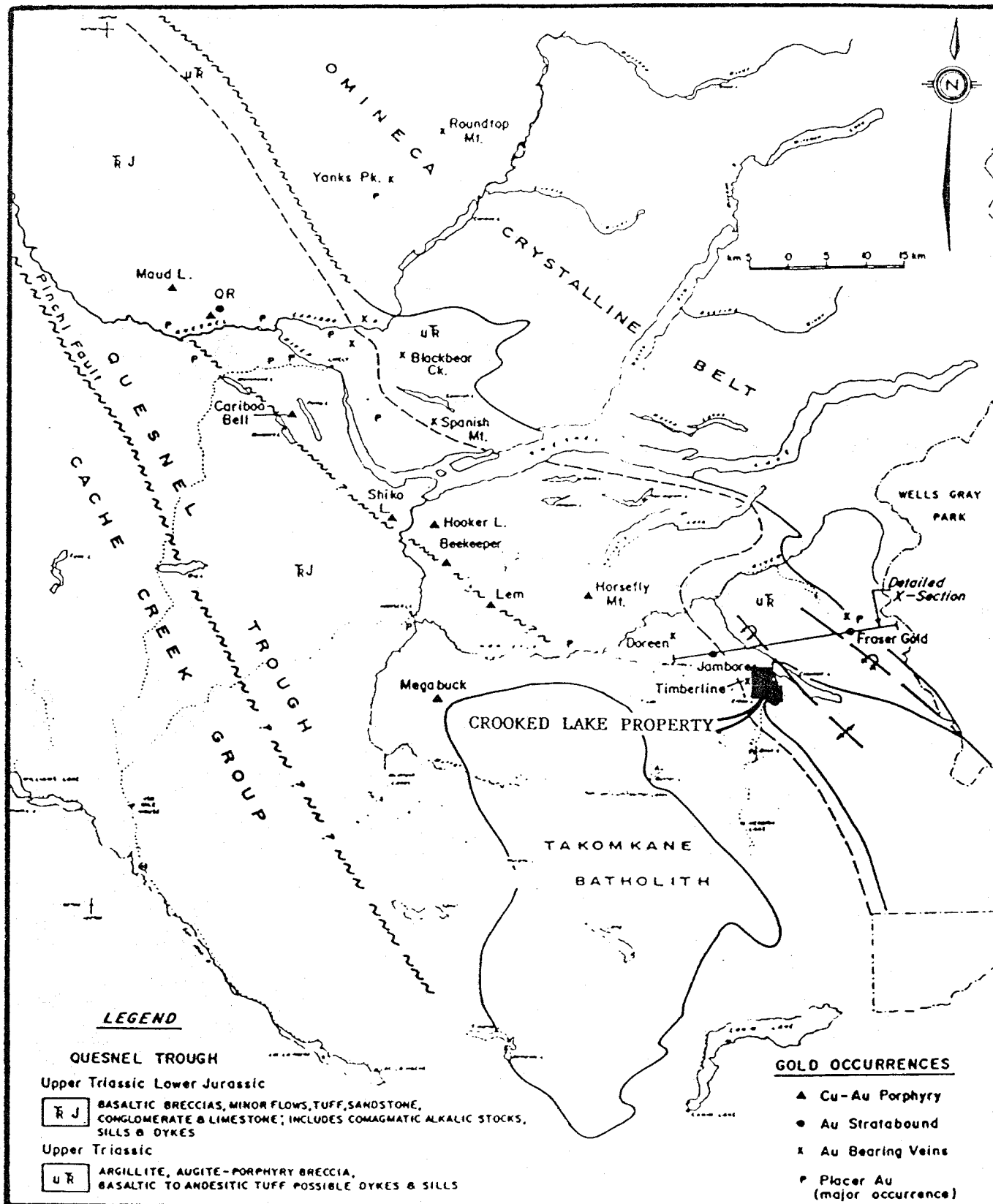
Regional Geology

The Crooked Lake property is in the Cariboo-Quesnel Gold Belt, a belt of mainly gold and copper occurrences that occur in a variety of geological settings over a broad stratigraphic range (Saleken and Simpson, 1984; Figures 4a and 4b). Common features of all is that they are of early Mesozoic age and occur in the Quesnel Trough, a linear belt of volcanic and sedimentary rocks. This belt is interpreted to be an island arc assemblage which was formed at a consuming plate margin above an easterly dipping subduction zone and subsequently accreted to the margin of the North American continent. It is bounded on the east by Paleozoic and Precambrian strata and on the west by Paleozoic rocks of the Cache Creek Group.

Mineral Occurrences Of The Cariboo-Quesnel Gold Belt

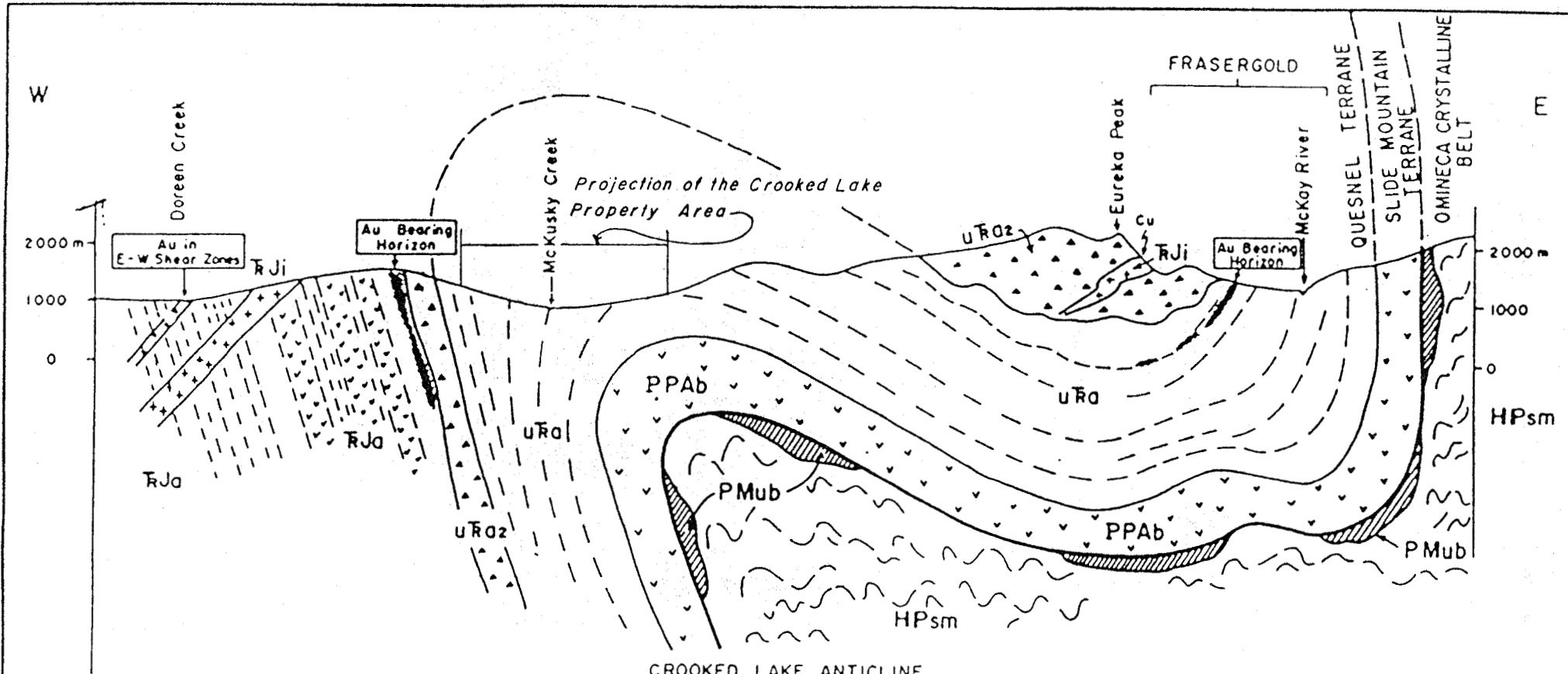
In addition to the well known placer gold deposits of the Cariboo-Quesnel Gold Belt, a number of significant lode gold deposits occur in the belt.

The primary exploration target, in the case of the Crooked Lake property, is semi-conformable stratabound gold mineralization hosted by sedimentary and volcanic rocks, of which the Frasergold (2.5 million tons



QUESNEL GOLD BELT
TECTONIC FEATURES AND GOLD OCCURRENCES

After Saleken and Simpson (1984)



CROOKED LAKE ANTICLINE

Horizontal Scale 1:125,000
Vertical Scale 1:100,000

VOLCANIC & SEDIMENTARY ROCKS

Triassic & Jurassic

R Ja Basaltic tuff and breccia, argillite, chert

Upper Triassic

u Ra Black phyllite, argillite

u Ra2 Augite porphyry breccia, amphibolite

Upper Paleozoic

PPAb Slide Mt Group (Antler Fm.)

Proterozoic

HPsm Snowshoe Fm.

INTRUSIVE ROCKS

Jurassic, Cretaceous

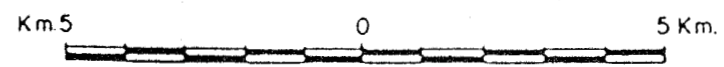
PMub Peridotite, Serpentinite

Triassic Jurassic

R Ji Diorite, Granodiorite

(After Campbell, 1978)
GSC QF. 574

Figure 4b E-W geological cross-section north of Crooked Lake



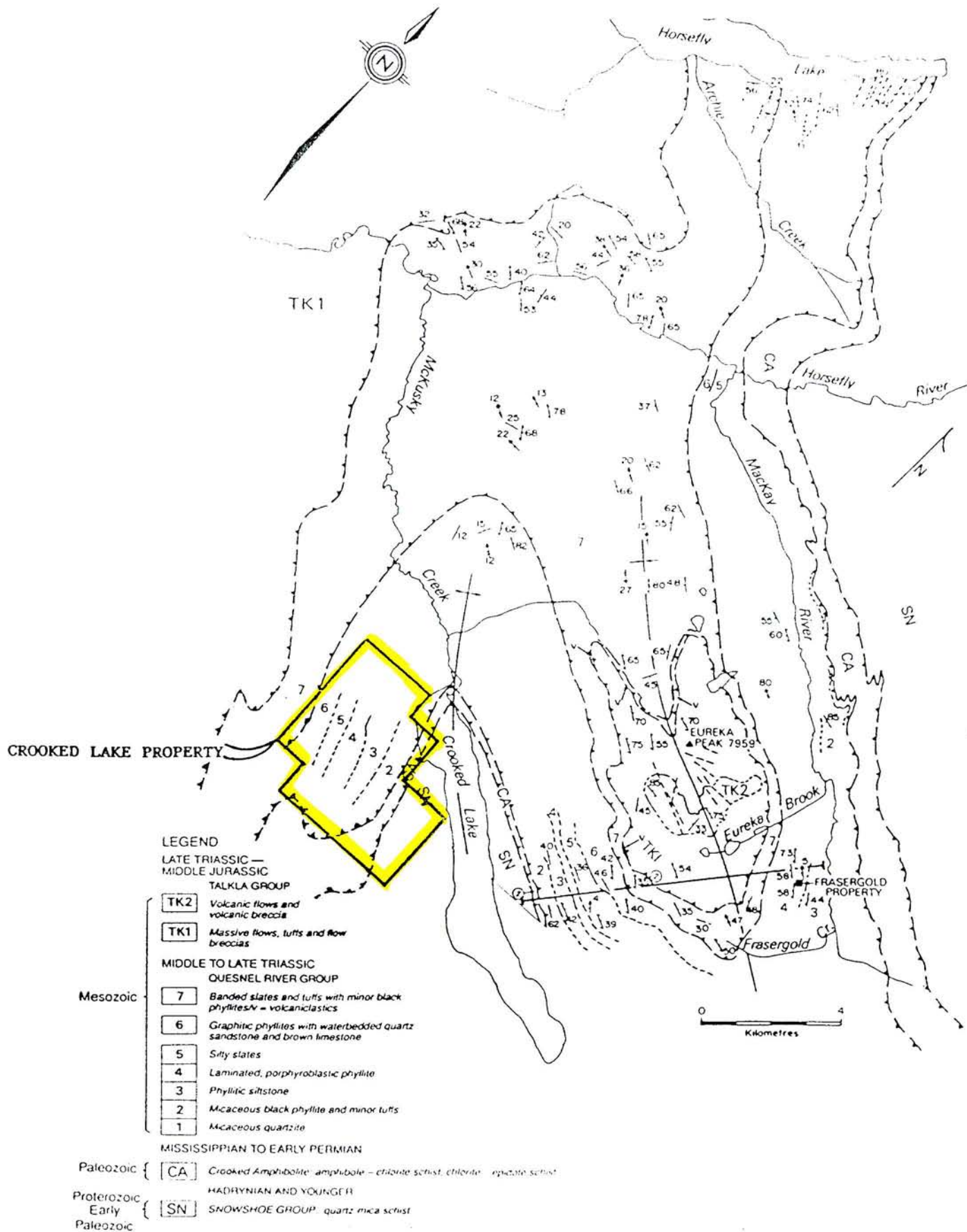
grading .067 ounces per ton gold with 850,000 tons grading 0.102 ounces per ton gold) deposit, with its similar lithology and proximity, is the best example. The geology of this deposit was described by Belik (1982) in the early exploration stages and the geologic setting described by Bloodgood (1987). According to Bloodgood, gold mineralization is associated with pyrite, pyrrhotite and chalcopyrite which occur as disseminations and in quartz veins in an iron-carbonate-rich member of a black phyllite unit. The quartz veins are subparallel to bedding and foliation of the phyllite and are interpreted to have developed early in the structural history of the area and represent metamorphic segregations associated with dewatering of the sediments. The mineralization is roughly stratabound and is considered to be syngenetic with later remobilization during metamorphism.

Another possible target-type to consider is the QR-deposit which is currently being developed by Placer Dome Inc. (1.1 million tons grading 0.21 ounces per ton, July 10, 1987 Placer Dome Inc. and Campbell Red Lake Mines Information Circular). According to Fox et al (1987) gold mineralization at the QR deposit is stratabound, occurring with pyrite chalcopyrite within a propylitic alteration halo developed around a zoned alkalic stock, with the best gold tenor obtained at a sharp reaction front. Genesis of the deposit is related to the ongoing evolution of the volcanic pile.

Property Geology

Except for preliminary mapping by Adamson (1984), little geological mapping has been undertaken on the Crooked Lake property because most of the work to date has been conducted during inclement weather and heavy snow conditions. Black phyllite and mafic metavolcanic rocks are shown by Adamson to underly their grid area. Again because of snow conditions, their grid could not be located and tied in to the current grid.

The property is underlain on the east by the metavolcanic rocks of the Crooked amphibolite of Mississippian to early Permian age. This unit is structurally overlain (separated by the Eureka Thrust) by the black phyllite units of the Quesnel River Group which underlies most of the area of interest on the property. This group has been divided by Bloodgood



GEOLOGY OF THE HORSEFLY-CROOKED LAKES AREA

Figure 5



(1987) into seven lithological units comprising micaceous quartzites, grey silty slates, phyllite and graphitic phyllite (Figure 5).

LITHOGEOCHEMISTRY AND PROSPECTING

A total of eleven rock samples were collected from the three zones (Figure 6) and were sent to Rossbacher Laboratory Ltd. in Burnaby, B.C. The samples were analyzed for gold using atomic absorption techniques and then by inductively coupled plasma spectrometry for 31 elements (see Appendix I).

The lithogeochemical survey returned only slightly elevated values for molybdenum (up to 20 ppm), zinc (up to 415 ppm), silver (up to 1.0 ppm) and tungsten (up to 12 ppm) with only one sample returning 40 parts per billion gold (sample #800523, Table I).

Sample numbers 800520 to 800522 were collected from the central portion of Zone 3 in a region of elevated silver and gold geochemistry (to 40 parts per billion gold and 14.4 parts per million silver). The samples consisted of a graphitic, argillaceous phyllite with minor calcite and quartz stringers with no associated sulphide mineralization.

Sample numbers 80023 to 80025 were collected from the northern portion of the Zone 2 and consist of an argillite and argillaceous phyllite.

Sample numbers 800526 to 800528 and 806763 were collected from the northern end of Zone 1 where two VLF-electromagnetic conductors merge in the region of a magnetic high. The samples consist of calcareous argillitic phyllites and phyllitic shales which have been moderately contorted into small sub-isoclinal folds. In the area of sample 806763 there are small 0.25 to 1.0 centimetres by 2 to 10 centimetres massive pyrite ± arsenopyrite lenses.

Magnetic Survey

A magnetometer survey was carried out over the southeast extension of the 1987-1988 grid. A total of 4.0 line kilometres of survey was performed. Readings were taken at 25 metre intervals on lines 100 metres apart. The survey was accomplished utilizing a Scintrex Mp-2 proton

precession magnetometer with a sensitivity of one gamma. Correction for diurnal variation was accomplished by the loop method where the crossline data is adjusted to readings obtained along the baseline.

There is a wide variation in magnetic strength over the survey area (55816 gammas to 60666 gammas). The data is presented in contoured form on Figure 6.

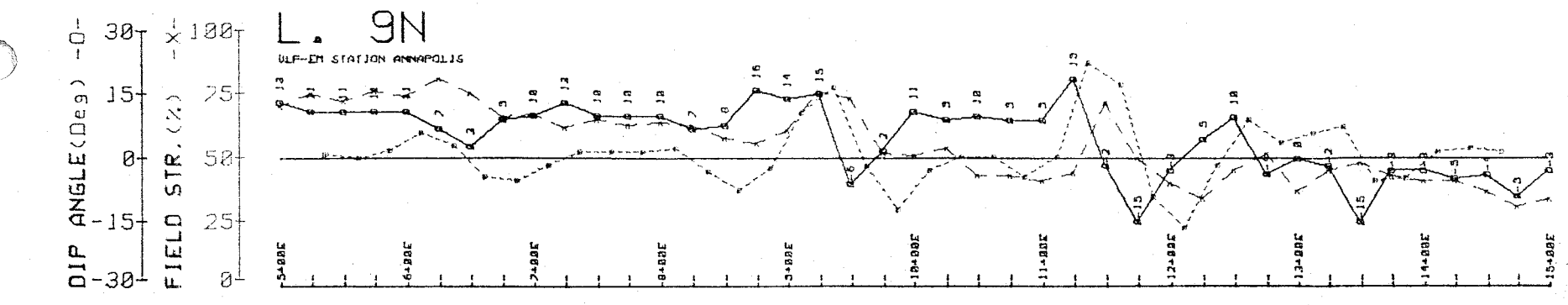
There is a magnetic high coincident with a strong VLF-electromagnetic anomaly on lines 9+00N and 8+00N near station 9+00E. The scarcity of geological information in this area makes evaluation of this anomaly difficult. The magnetic data confirms a continuation of the northwesterly trend of the geological structure in the area.

VLF-Electromagnetic Survey

A VLF-Electromagnetic (Very Low Frequency electromagnetic) survey was carried out over the southeast extension of the 1987-1988 grid. A total of 3.5 line kilometres of survey was performed. Data was collected at 25 metre intervals on lines spaced 100 metres apart. The survey was performed utilizing a Sabre Model 27 VLF-EM receiver. The receiver was tuned to Seattle, Washington (18.6 kilohertz) for line 5N through to line 8N. Line 9N was surveyed using Annapolis, Maryland (21.4 kilohertz).

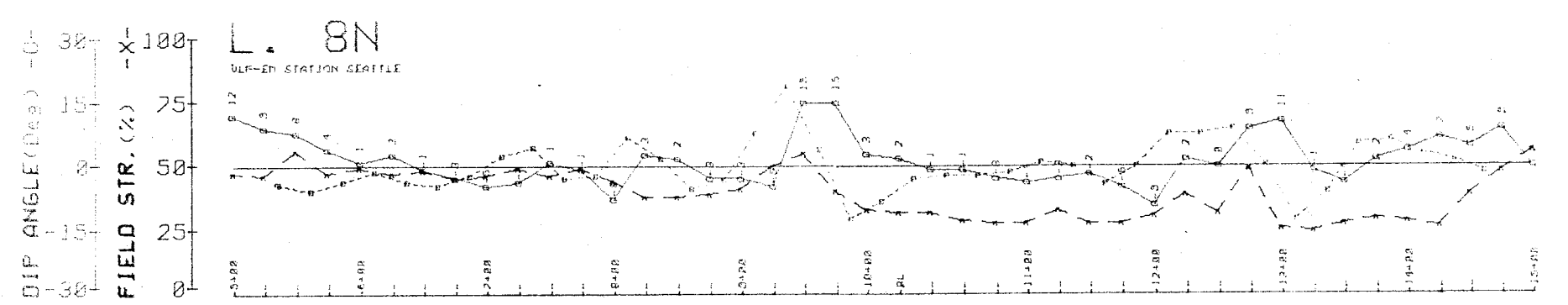
The data was filtered by a technique described by Fraser (1969 - Geophysics, Vol. 34, No. 6, pp. 958-967) and is presented in profile form on Figures 7a and 7b. Conductive zones are interpreted to underlie the point on a traverse line where changes in dip angle of the resultant field (from negative to positive - operator facing transmitter station) are associated with increased field strength. Fraser filtered values, which are derived from dip angle measurements, show high positive values at this point. Interpreted conductive zones are plotted on Figure 6.

The scarcity of geological information limits the conclusions which can be made of these conductors, however two of the strong conductors found by this survey (line 9+00N at station 9+25E and at 11+50E) are extensions of VLF-EM anomalies which are associated with Zone 1, delineated during the 1987-1988 work program.



LINE 9N

STN#	DIP(deg)	FS%	F.FILTER
5-9BE	13	28	8
6-9BE	11	26	4
7-9BE	11	24	12
8-9BE	18	64	5
9-9BE	7	62	-7
10-9BE	18	65	3
11-9BE	18	62	3
12-9BE	15	66	-11
13-9BE	18	67	-4
14-9BE	18	62	3
15-9BE	18	64	5
16-9BE	16	56	-5
17-9BE	14	61	21
18-9BE	15	26	32
19-9BE	-6	23	-4
20-9BE	7	52	-24
21-9BE	11	51	-6
22-9BE	5	54	1
23-9BE	12	42	1
24-9BE	5	42	-3
25-9BE	3	41	1
26-9BE	13	44	45
27-9BE	-2	22	25
28-9BE	-15	58	-15
29-9BE	-2	48	-23
30-9BE	5	34	-4
31-9BE	18	45	13
32-9BE	-4	52	8
33-9BE	8	37	12
34-9BE	-2	45	16
35-9BE	-15	40	-11
36-9BE	-3	42	-18
37-9BE	-2	41	2
38-9BE	-5	41	5
39-9BE	-4	37	3
40-9BE	-3	31	8
41-9BE	-2	34	8

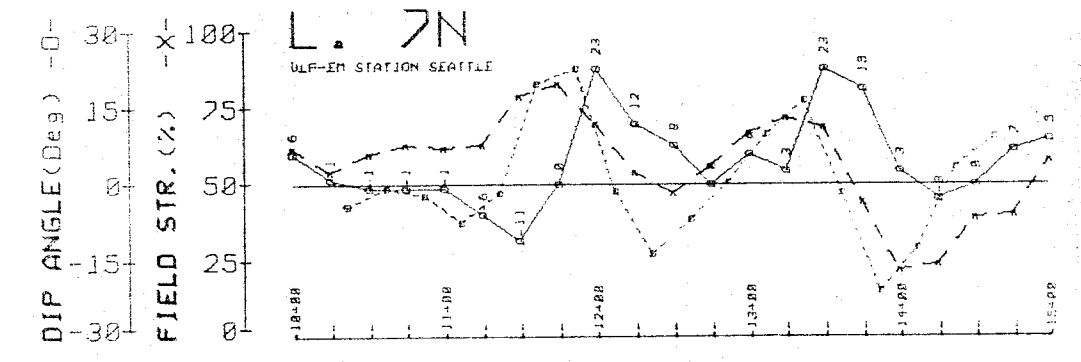


LINE 8N

STN#	DIP(deg)	FS%	F.FILTER
3-8B	12	47	8
4-8B	4	44	12
5-8B	4	56	12
6-8B	1	45	6
7-8B	1	49	3
8-8B	2	47	8
9-8B	-1	48	18
10-8B	-2	45	5
11-8B	-5	46	-5
12-8B	-4	45	-8
13-8B	1	46	6
14-8B	-6	44	-3
15-8B	2	38	-4
16-8B	-5	26	11
17-8B	-5	25	2
18-8B	-2	41	-16
19-8B	-5	58	-28
20-8B	15	55	-8
21-8B	15	48	25
22-8B	2	32	12
23-8B	3	22	7
24-8B	-1	22	5
25-8B	-1	29	5
26-8B	-1	25	3
27-8B	-4	28	-2
28-8B	-3	33	8
29-8B	-3	28	9
30-8B	-5	28	8
31-8B	-3	31	-16
32-8B	2	29	-16
33-8B	5	32	-18
34-8B	11	49	-1
35-8B	-1	26	25
36-8B	-1	25	12
37-8B	-4	28	-1
38-8B	2	38	-13
39-8B	4	25	-6
40-8B	2	22	-3
41-8B	5	25	3
42-8B	5	48	8
43-8B	8	56	8

LINE 7N

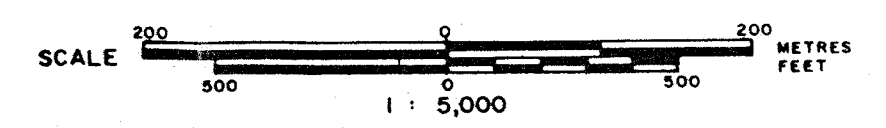
STN#	DIP(deg)	FS%	F.FILTER
10-7N	6	62	8
11-7N	1	54	3
12-7N	-1	68	2
13-7N	-1	69	5
14-7N	-1	62	15
15-7N	-6	63	4
16-7N	-11	25	-48
17-7N	8	82	-46
18-7N	23	28	3
19-7N	12	54	27
20-7N	8	42	14
21-7N	8	56	-1
22-7N	6	62	-28
23-7N	3	22	-33
24-7N	23	65	4
25-7N	13	44	42
26-7N	3	22	25
27-7N	-3	24	-7
28-7N	8	39	-13
29-7N	2	48	8
30-7N	5	58	8



PROFESSIONAL
 PROVINCE OF
 D. G. ALLEN
 BRITISH COLUMBIA
 ENGINEER

Donald G. Allen

VLF-EM PROFILES
 LINES 7N-9N



January, 1990

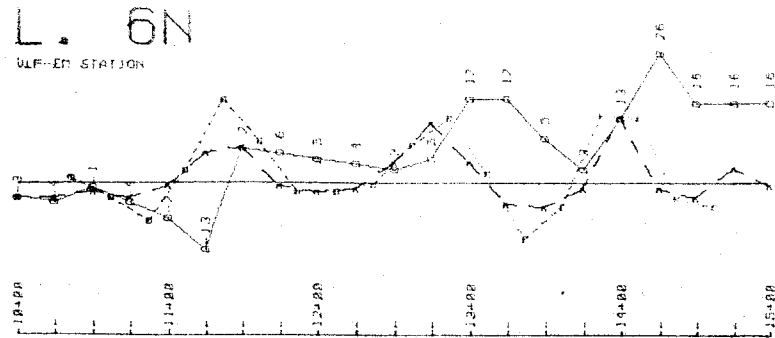
FIGURE 7a

Instrument Sabre Model 27 VLF-EM Receiver
 Survey date October, 1988
 Transmitter station Seattle, Washington (lines 7N-8N); Annapolis, Maryland (line 9N)

DIP ANGLE (Deg) - O -
FIELD STR. (%) - X -

L. 6N

VLF-EM STATION



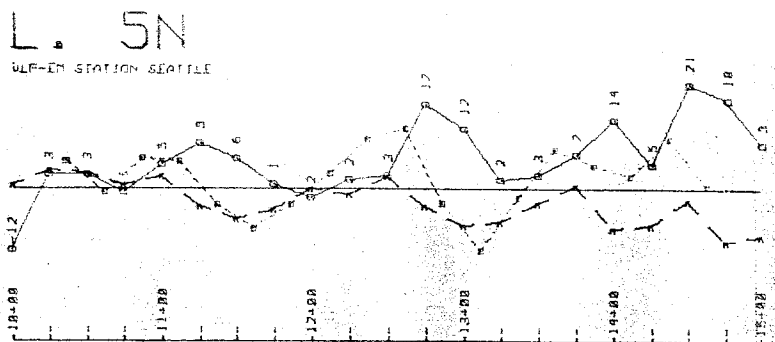
LINE 6N

STN#	DIP(deg)	FS%	F. FILTER
10+BB	-3	45	8
-	-4	45	-2
-	-1	42	6
-	-4	40	15
11+BB	-2	49	-5
-	-13	68	-33
-	7	62	-12
-	4	43	4
12+BB	5	42	1
-	4	48	1
-	3	52	-15
13+BB	5	28	-26
-	12	52	-4
-	12	43	22
-	9	42	18
-	3	48	-22
14+BB	14	22	-26
-	26	48	7
-	16	45	18
-	16	55	8
15+BB	16	43	8

DIP ANGLE (Deg) - O -
FIELD STR. (%) - X -

L. 5N

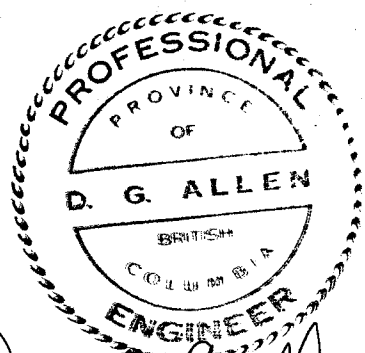
VLF-EM STATION SEATTLE



LINE 5N

STN#	DIP(deg)	FS%	F. FILTER
10+BB	-12	51	8
-	3	56	-11
-	3	55	2
-	-1	51	-12
11+BB	5	54	-11
-	5	44	7
-	6	48	16
-	1	49	7
12+BB	-2	58	-6
-	2	48	-28
-	3	54	-24
-	17	44	6
13+BB	12	38	24
-	2	39	4
-	3	45	-16
-	7	51	-5
14+BB	14	37	-5
-	5	38	-28
-	21	46	-1
-	18	33	8
15+BB	5	35	8

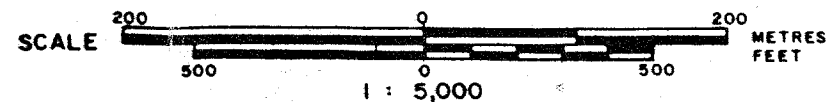
Instrument Sabre Model 27 VLF-EM Receiver
Survey date ' October, 1988
Transmitter station Seattle, Washington



Donald G. Allen

VLF-EM PROFILES

LINE 5N-6N



January, 1990

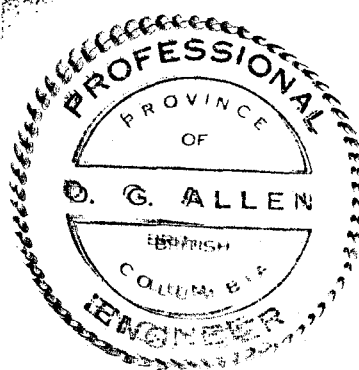
FIGURE 7b

DISCUSSION OF RESULTS

The magnetometer and VLF-electromagnetic surveys which were performed on a southeast extension of the 1987-1988 grid shows the structures are present over the grid area and continue to the southeast. The VLF-electromagnetic survey also revealed a number of additional conductors which were not present in the 1987-1988 survey.

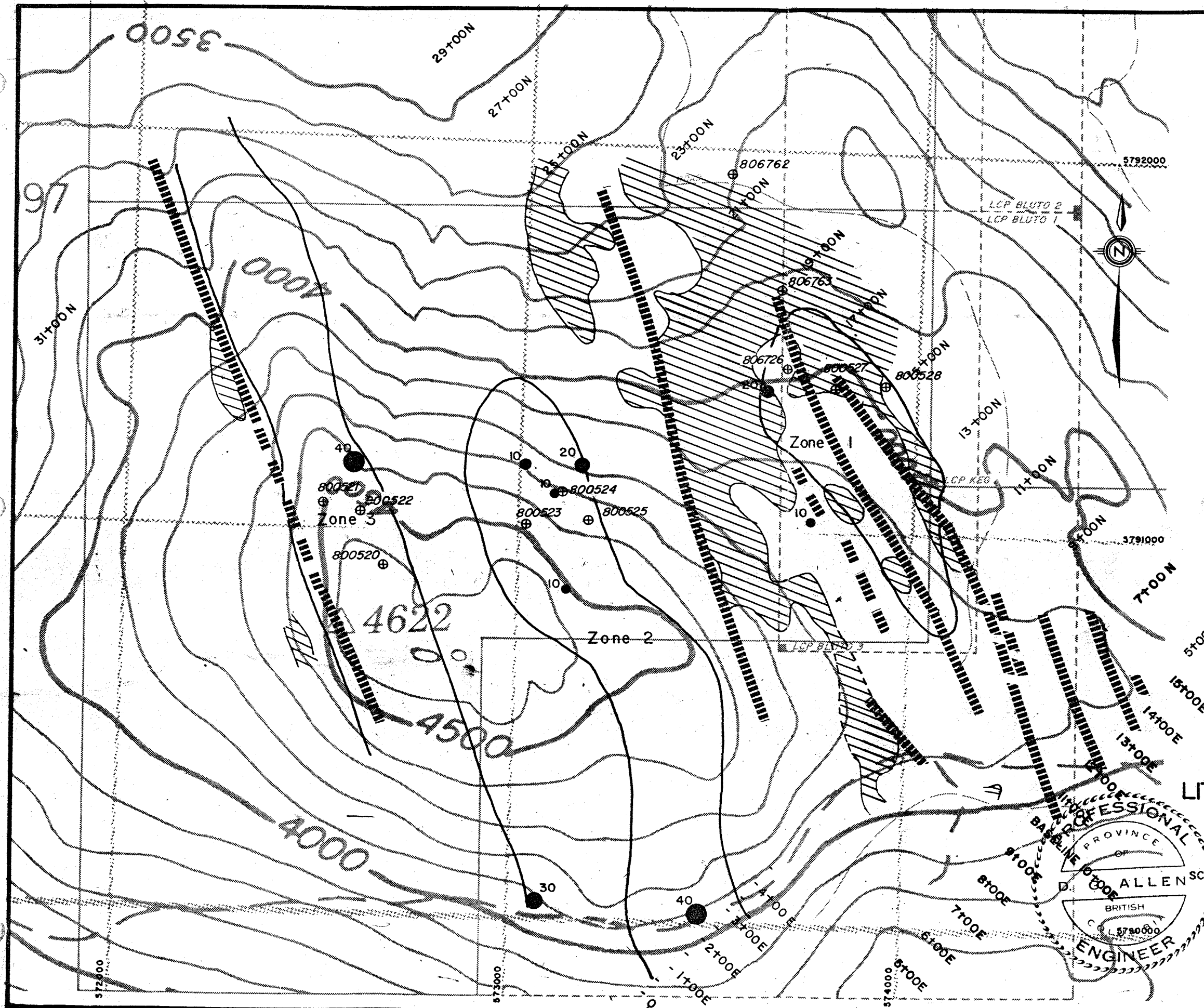
The limited lithogeochemical survey and prospecting was conducted to determine the possible source of the geochemical and geophysical anomalies delineated by previous surveys. The enriched molybdenum, zinc, silver, arsenic and tungsten suggest that metal enriched shales may be the source of the previously delineated anomalies. However, the lithogeochemical program was not extensive enough to definitely determine the source of the anomalies. Therefore, the complete program outlined in the recommendations of the internal report by Brownlee and Allen (1988) should be carried out.

Donald G. Allen



REFERENCES

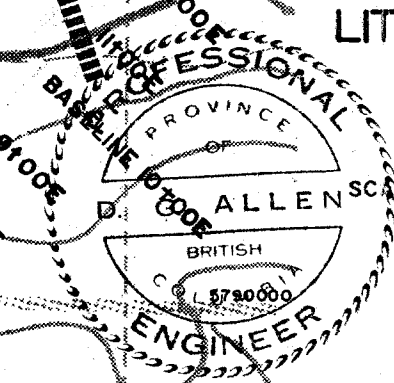
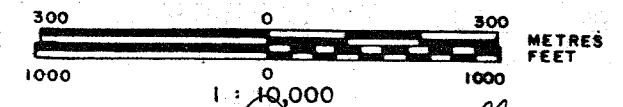
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LEGEND

- 806726 ⊕ Rock sample site, sample numbers.
- 40 ● Soil sample, Au ppb
- Zone 1 Boundary of geochemical anomaly.
- ||||| VLF-EM conductor; Strong, Moderate.
- ▨ Magnetic high ≥ 59000 gammas.
- 5792000 U.T.M. coordinates
- Claim boundary
- 4000 Topographical contours, Contour interval 100 feet

INTER CANADIAN DEVELOPMENT CORP.
 CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION—BRITISH COLUMBIA
**LITHOGEOCHEMICAL SAMPLE SITES
 AND
 1988 COMPILATION MAP**



Donald F. Allen
exploration Ltd.

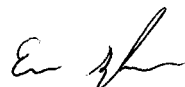
FIGURE 8

CERTIFICATE

I, Evan Sykes, certify that:

1. I am a geophysicist residing at 6331 Azure Road, Richmond, British Columbia.
2. I am a graduate of the University of British Columbia with a degree in Geological Engineering (B.A.Sc., 1988).
3. I have practised my profession in British Columbia since 1986.
4. I hold no interest, nor do I expect to receive any, in the Crooked Lake Property or in Inter-Canadian Development Corp.

January, 1989
Vancouver, B.C.

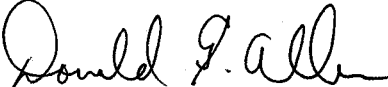

Evan Sykes,
Geophysicist

CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, at A & M Exploration Ltd., with offices at #704-850 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with degrees in Geological Engineering (B.A.Sc., 1964; M.A.Sc., 1966).
3. I have been practising my profession since 1964 in British Columbia, the Yukon, Alaska and various parts of the Western United States.
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. This report is based on field work carried out by E. Sykes, D. Brownlee, and myself, on October 26, 1988 to October 25, 1989.
6. I have no interest, nor do I expect to receive any, in Inter-Canadian Development Corp. or in the Crooked Lake Property.
7. I consent to the use of this report and my name in a Statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

January, 1990
Vancouver, B.C.


Donald G. Allen,
P. Eng. (B.C.)

APPENDIX I

Analytical Results

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3M1
Ph: (604)299-6910 Fax: 299-6252

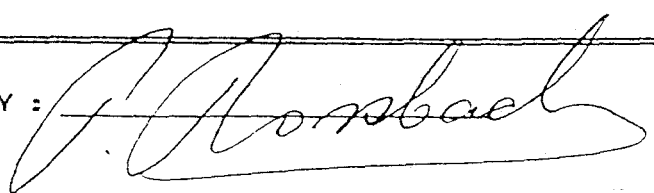
CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
#714-850 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : 478 - CROOKED LAKE
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 88329
INVOICE # : 90068
DATE ENTERED : 88-11-04
FILE NAME : A&MB8329.G
PAGE # : 1

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A	800 524	5
A	800 525	5
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CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

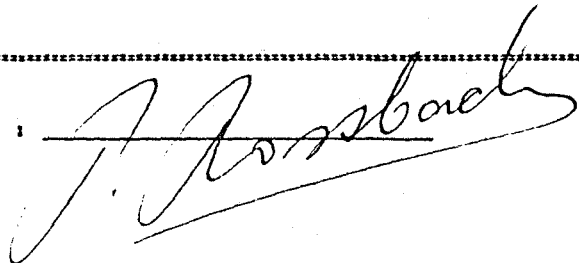
2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3K1
Ph: (604) 299-6910 Fax: 299-6252

TO : A&M EXPLORATION LTD.
#714-850 W. HASTINGS ST.
VANCOUVER, B.C.

PROJECT : 478
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 88329
INVOICE # : 90068
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PAGE # : 1

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	800520	4	78	9	129	0.1	86	10	414	3.05	2	5	ND	ND	6	1	2	2	5	0.03	0.01	15	41	0.04	152	0.01	5	0.27	0.01	0.01	6	1
	800521	3	42	18	90	0.8	40	3	1160	2.04	7	5	ND	ND	49	1	2	2	5	0.85	0.03	19	47	0.43	238	0.01	5	0.30	0.01	0.01	2	1
	800522	2	50	10	67	0.5	40	7	298	1.77	4	5	ND	ND	5	1	2	2	8	0.03	0.01	16	69	0.22	174	0.01	5	0.42	0.01	0.01	3	1
	800523	12	14	25	337	1.0	23	5	72	2.43	8	5	ND	ND	14	1	5	2	20	0.01	0.01	23	23	0.03	122	0.01	5	0.30	0.01	0.01	8	1
	800524	28	85	14	415	0.5	60	11	276	3.18	25	5	ND	ND	12	2	6	2	41	0.03	0.01	24	24	0.03	160	0.01	5	0.30	0.01	0.01	12	1
	800525	18	99	19	206	0.3	36	8	449	5.80	28	5	ND	ND	17	1	5	3	11	0.04	0.01	11	75	0.02	99	0.01	5	0.30	0.01	0.01	2	1
	800526	7	53	49	111	0.3	16	6	160	5.97	18	5	ND	ND	10	1	2	2	16	0.03	0.01	11	49	0.12	79	0.01	7	0.42	0.01	0.01	3	1
	800527	4	19	8	28	0.3	8	3	36	2.37	3	5	ND	ND	15	1	2	3	4	0.02	0.01	24	35	0.02	51	0.01	5	0.30	0.03	0.01	2	1
	800528	34	48	31	95	0.5	45	10	204	4.26	2	5	ND	ND	10	1	2	5	8	0.02	0.01	13	36	0.04	37	0.01	5	0.43	0.01	0.01	2	1

CERTIFIED BY : 

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph: (604)299-6910 Fax: 299-6252

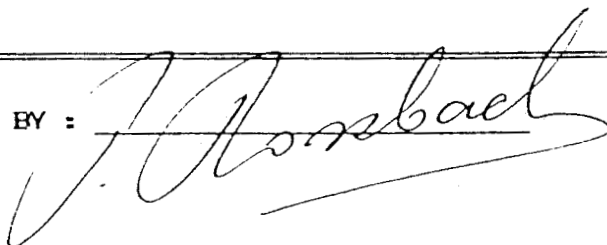
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CLIENT : A&M EXPLORATION LTD.
#714-850 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : JOB #478
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 88353
INVOICE # : 90112
DATE ENTERED : 88-11-23
FILE NAME : A&M88353.G
PAGE # : 1

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CERTIFIED BY :



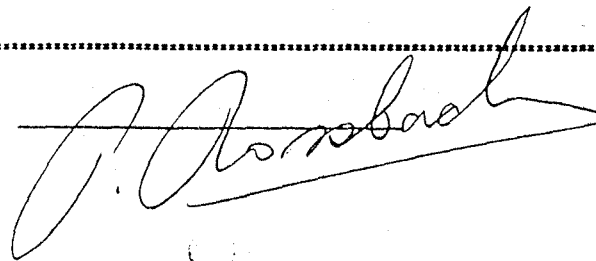
CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
#714-850 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : JOB #478
TYPE OF ANALYSIS : ICP

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A	806762	17	15	29	89	0.2	18	4	31	1.73	23	9	ND	ND	6	1	4	4	12	0.02	0.19	9	63	0.08	93	0.01	38	0.22	0.01	0.01	3	1
A	806763	20	67	48	109	0.5	25	9	128	2.60	14	9	ND	ND	9	2	3	2	15	0.09	0.29	10	92	0.22	71	0.01	193	0.38	0.01	0.01	5	1

CERTIFIED BY :



APPENDIX II

AFFIDAVIT OF EXPENSES

AFFIDAVIT OF EXPENSES

During the period of October 26, 1988 to October 25, 1989 work was performed on the Crooked Lake properties for Inter-Canadian Development Corp. The claims are situated in the Cariboo Mining Division in the Horsefly area of British Columbia.

FIELD

Personnel

Engineer	\$ 1,250.00
Geologist	2,700.00
Geophysicist	3,000.00
Co-ordinator	300.00
Labourer	1,000.00
Labourer	880.00

FIELD

Analyses	167.75
Room & Board	268.99
Transportation	50.00
Truck Rental	50.00
Mileage	52.50
Gas/Oil	127.50

REPORT

Drafting	Draftsmen 3.5 hours @ \$20/hour	70.00
	Maps	4.00
Typing/Compilation	23 hours @ \$20/hr	460.00
Supplies		30.00

TOTAL \$10,360.74