



exploration ltd.

**GEOLOGY · GEOPHYSICS
MINING ENGINEERING**

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LOG NO: 0129	RD.
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1987 ASSESSMENT REPORT

on the

CROOKED LAKE PROPERTY

Cariboo Mining Division - British Columbia

Lat. 52° 15'N

Long. 120° 45'W

N.T.S. 93A 7E

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

for

INTER-CANADIAN DEVELOPMENT CORP.

**SUB-RECORDER
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VANCOUVER, B.C.

**GEOLOGICAL BRANCH
by
ASSESSMENT REPORT**

Douglas J. Brownlee, B. Sc.

16,947

January 26, 1988

Vancouver, B.C

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SUMMARY

Inter-Canadian Development Corp. controls the Crooked Lake property southeast of Horsefly, B.C. Access is via good logging roads from Horsefly or 100 Mile House, B.C. The property lies on the eastern margin of the Quesnel Trough, a geologically favourable setting for Fraser Gold type gold prospects.

Previous reports have outlined airborne VLF-electromagnetic anomalies and related soil geochemical anomalies.

In 1987, 8.0 line kilometres of grid was surveyed and soil sampled at 50 metre intervals with a total of 168 soil samples collected. A total of 7.75 line kilometres was surveyed at 25 metre intervals utilizing a Scintrex MP-2 proton magnetometer and 6.75 line kilometres utilizing a Sabre Model 27 VLF-electromagnetic unit.

CONCLUSION

The 1987 survey outlined a strong geophysical and multi-element geochemical anomaly, 50 to 200 metres wide trending northwest along the southern portion of the grid. These results in conjunction with previously outlined anomalies indicate that further exploration work should be conducted.

INTRODUCTION

Inter-Canadian Development Corp. owns the KIT (20 units) and KEG (9 units) claims and controls the Bluto 1 and 2 (20 units) claims under a purchase agreement with Douglas J. Brownlee. The Bluto 3 (4 units) claim was staked to cover an internal parcel which had expired. The claims are in the Crooked Lake area and cover geologically favourable ground for hosting a Fraser Gold type gold prospect.

This report summarizes a geophysical and geochemical survey conducted by A & M Exploration under contract to Coast Leisure Living for Inter-Canadian Development Corp. This survey was carried out by S. Travis, J. Cuvelier, C. Brooks, and B. Stewart from October 19th to October 25th, 1987.

LOCATION ACCESS

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

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.

CLAIM DATA

The property is comprised of the following claims (Figure 3):

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u> *
BLUTO 1	7749	20	July 4, 1989
BLUTO 2	7750	20	July 4, 1989
KIT	5311	20	Oct. 25, 1988
KEG	5314	20	Oct. 25, 1988
BLUTO 3	8810	4	Oct. 26, 1989

* Provided this report is accepted for Assessment purposes.

INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
LOCATION MAP

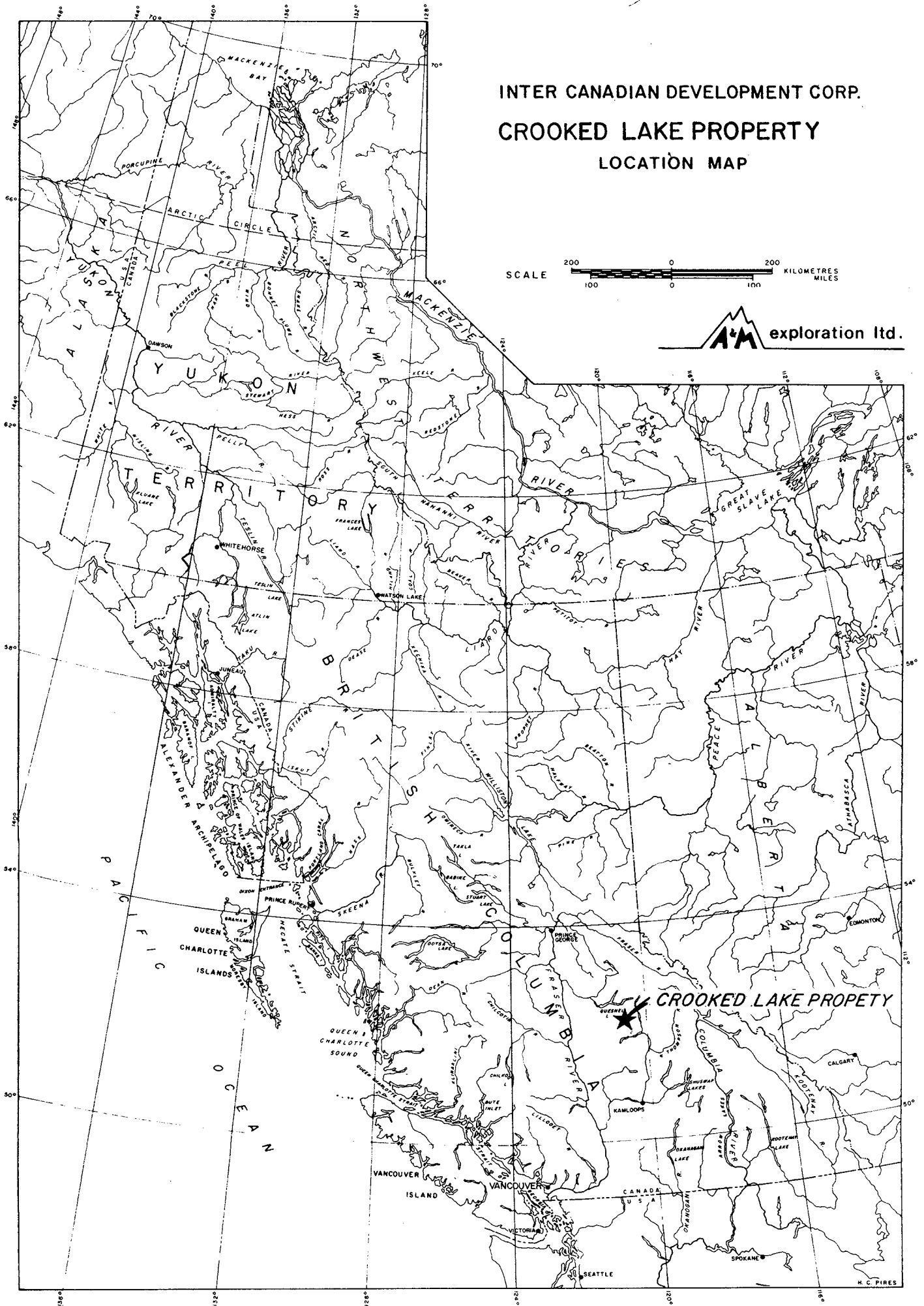
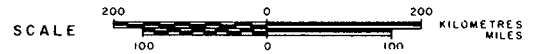
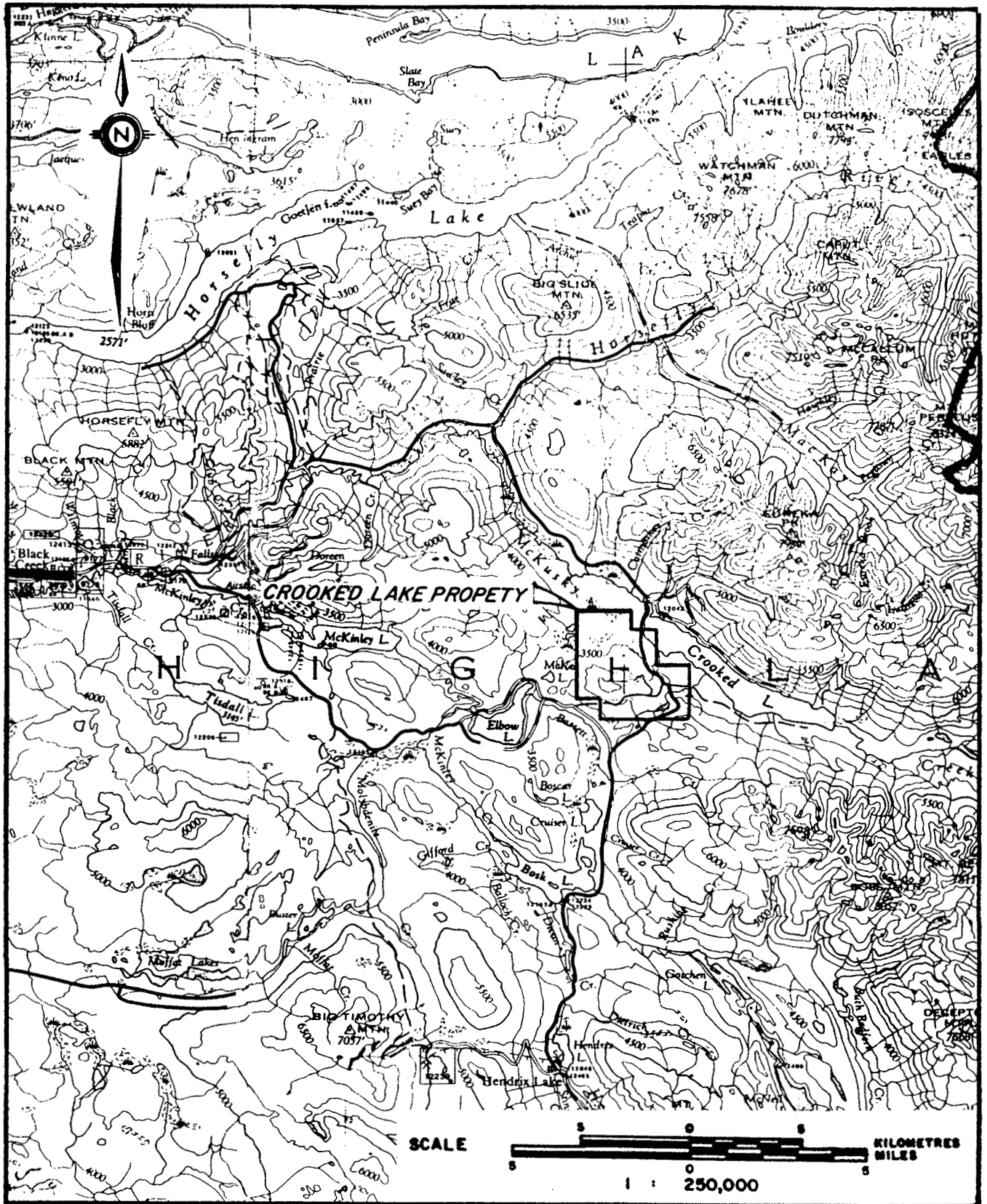


FIGURE - I

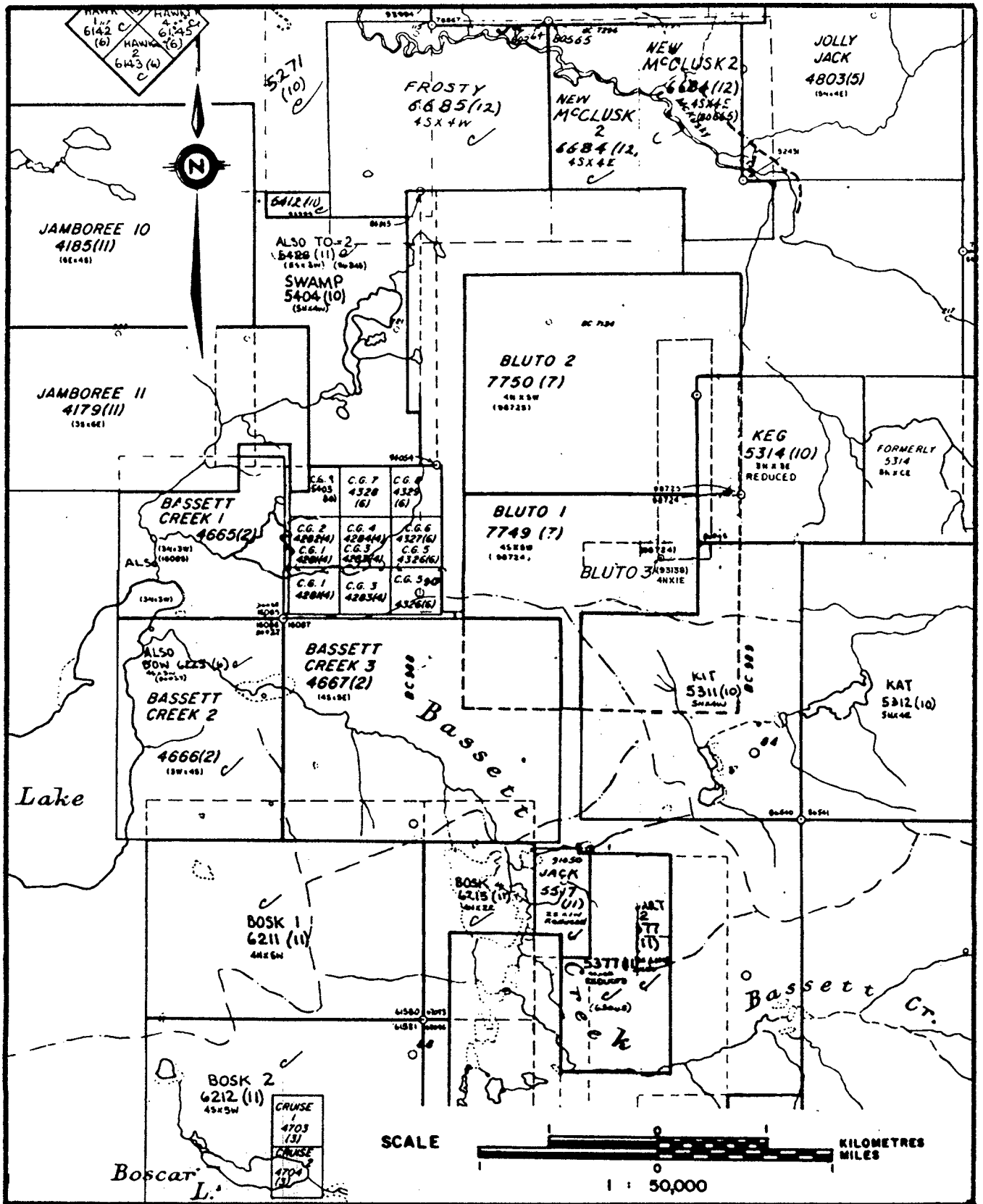


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N.T.S. 93 A/7

ACCESS MAP

CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA



N.T.S. 93 A/7E&W, /2E&W
 INTER CANADIAN DEVELOPMENT CORP.
CLAIM MAP
 CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA

The claims are registered in the Cariboo Mining Division, at Quesnel, British Columbia.

HISTORY

An airborne geophysical survey was flown by Apex Airborne Surveys Ltd. in June of 1984 which covered the BLUTO 1 claim. This survey identified a distinct VLF-electromagnetic response in the centre of the BLUTO 1 claim which trends to the northwest. The VLF-EM response was stated to possibly be due to a zone of metallic mineralization although contact and/or fault structure response could not be ruled out.

The airborne survey was followed by a 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. The program outlined an area of anomalous gold, arsenic, lead and zinc values in the western portion of the BLUTO 1 claim area.

The claims covering the 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 to the north of the 1984 airborne VLF-EM anomaly from June 25th to June 29th, 1987.

1987 WORK PROGRAM

S. Travis and assistants carried out a geophysical and geochemical survey over the 1984 airborne VLF-EM responses from October 19th to October 25th, 1987.

A total of 8.0 line kilometres of grid line was surveyed with 100 metre line spacing and 25 metre stations. A total 7.75 line kilometres were surveyed at 25 metre intervals with a Scintrex MP-2 magnetometer and 6.75 line kilometres by a Sabre Model 27 VLF-EM. The baseline was run twice with the magnetometer to correct for diurnal variation and to

serve as a base level for the cross lines.

A total of 168 soil samples were collected at 50 metre intervals. These samples were analysed for gold by standard atomic absorption techniques and for 30 element analysis by inductively coupled plasma spectrometry.

GEOLOGY

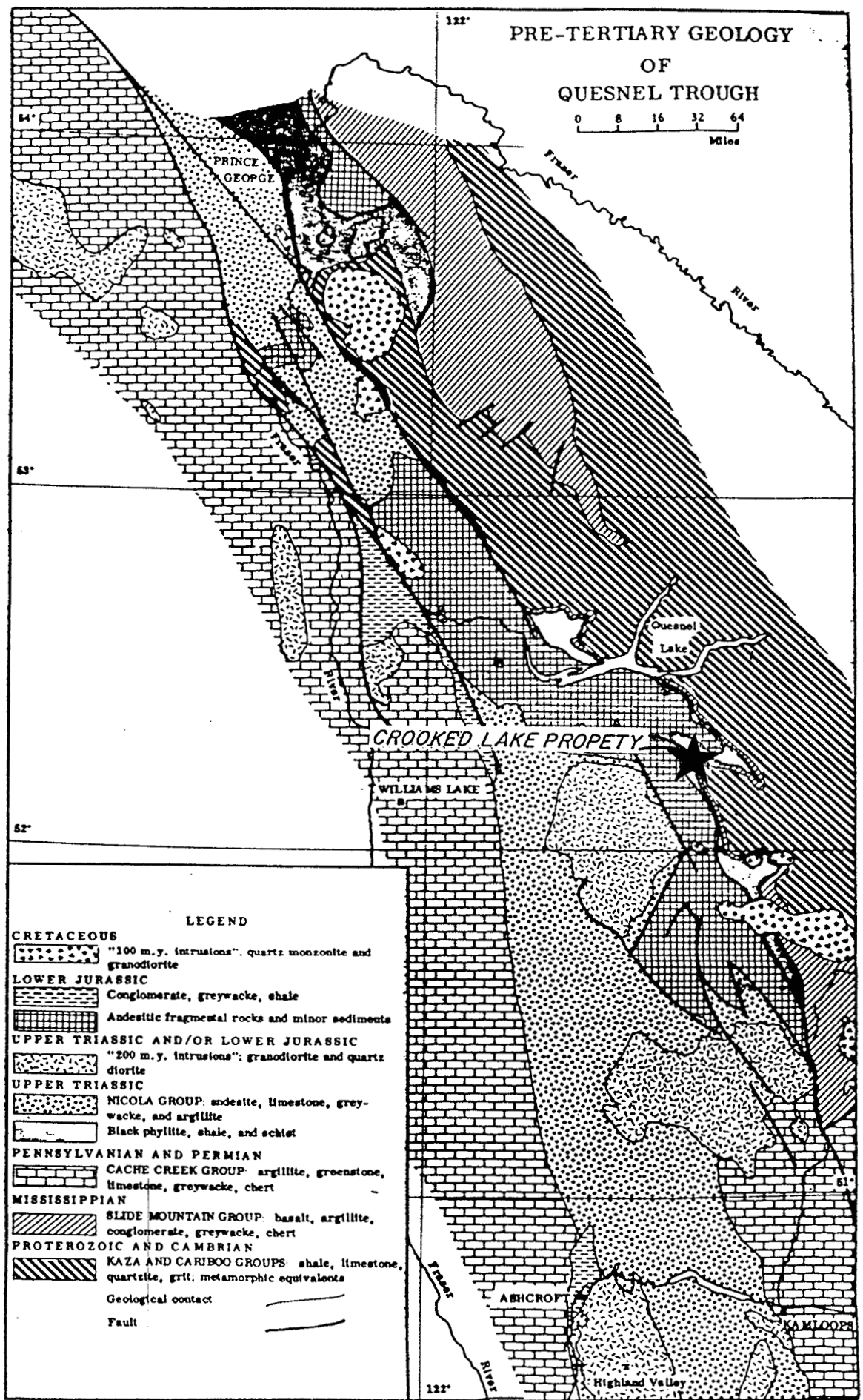
Regional Geology

The property lies on the eastern boundary of a thick sequence of mainly Upper Triassic and Lower Jurassic volcanoclastic and sedimentary rocks that lie in a fault bounded structure termed the Quesnel Trough. The Quesnel Trough is a northwest trending feature approximately 30 kilometres wide (Figure 4). The rocks of the Quesnel Trough have been intruded by granodiorite to diorite and small alkalic stocks coeval with enclosing volcanic rocks of 200 m.y. \pm age and biotite quartz monzonite and granodiorite of 100 m.y. \pm age. The Quesnel Trough is bounded on the east by the Kaza Group rocks of Hadryian age. The Kaza Group is composed of mainly metasedimentary sandstone, conglomerate, grit, phyllite, schist, amphibolite and marble gneiss. Unconformably overlying the Kaza Group is the Slide Mountain Group of Mississippian age. The Slide Mountain Group comprises basalt, agglomerate, tuffs, chert, argillite, sandstone, limestone and conglomerate. In the Crooked Lake area the rocks have been folded along a regional anticlinal structure.

Property Geology

The property is underlain by an Upper Triassic black phyllite and argillite with minor calcareous siltstone (Figure 5). These rocks are bounded on the west by an Upper Triassic volcanic unit composed of andesite, basalt, tuff and breccia and may correlate to the Takla Group. To the east the argillite is bounded by the Mississippian Slide Mountain Group.

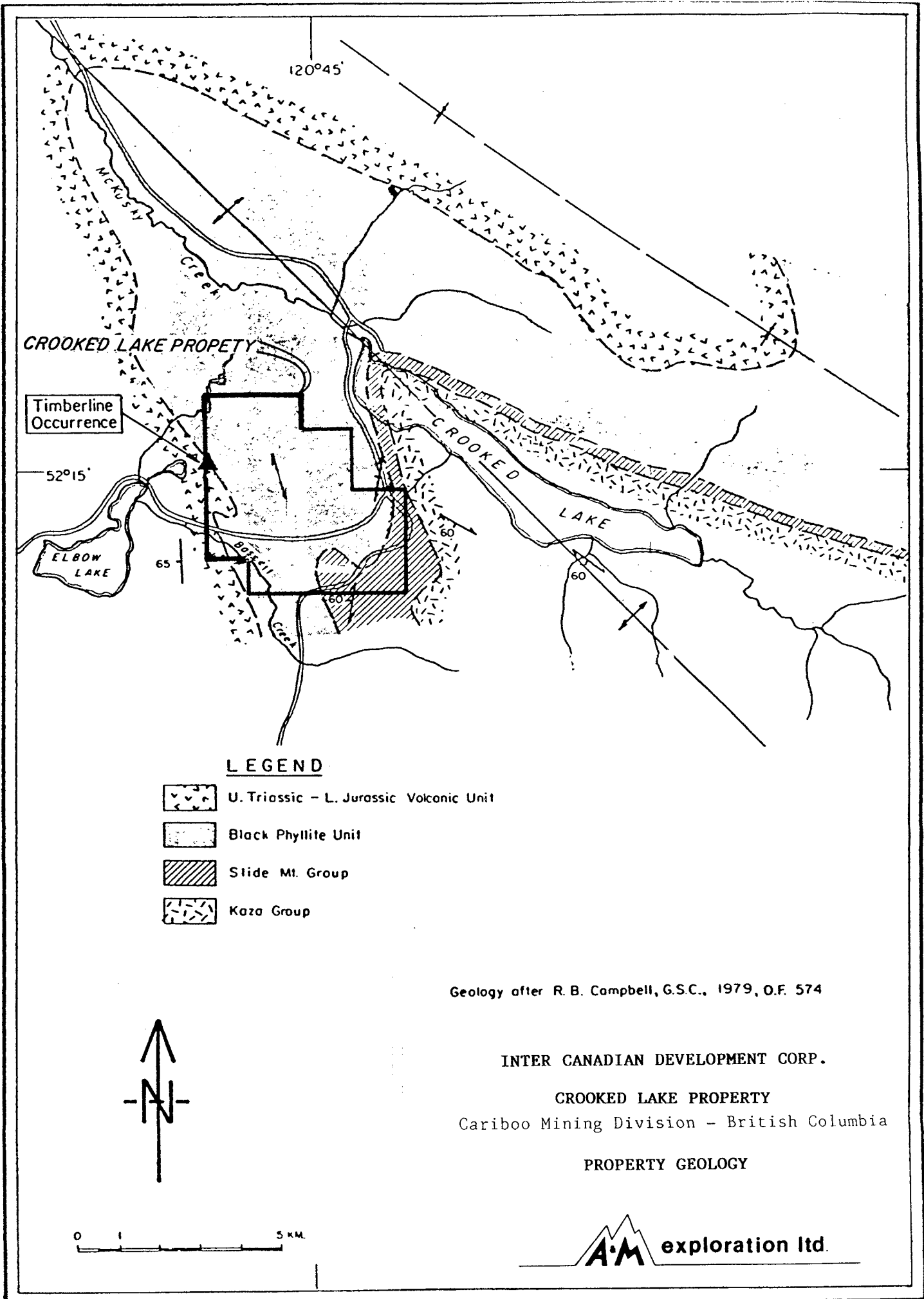
The phyllites and argillites have a strong north-northwest







- After Campbell & Tipper 1970

REGIONAL GEOLOGY

FIGURE 4



LEGEND

-  U. Triassic - L. Jurassic Volcanic Unit
-  Black Phyllite Unit
-  Slide Mt. Group
-  Kaza Group

Geology after R. B. Campbell, G.S.C., 1979, O.F. 574

INTER CANADIAN DEVELOPMENT CORP.
 CROOKED LAKE PROPERTY
 Cariboo Mining Division - British Columbia
 PROPERTY GEOLOGY



FIGURE 5

foliation (relict bedding) with a steep westerly to vertical dip. These rocks form the western limb of the Crooked Lake anticline.

GEOCHEMICAL SURVEY

A total of 168 soil samples were collected from the B horizon at depths ranging from 20 to 35 centimetres, and placed in Kraft paper envelopes. The samples were sent to Rossbacher Laboratory Ltd. in Burnaby, B.C. and analysed for gold using atomic absorption techniques, and then to Acme Analytical Laboratory Ltd., in Vancouver, B.C. for 30 element analysis by inductively coupled plasma spectrometry.

The results for silver, molybdenum, copper, arsenic, zinc and lead were computer plotted as dot maps at a scale of 1:5,000 (Figures 6a to 6f). Silver (2.0 to 14.4 ppm) outlines a northward trending zone 50 to 200 metres wide. Associated with this silver response is molybdenum (20-33 ppm), copper (50-188 ppm), arsenic (20-98 ppm), zinc (200-788 ppm) and sporadic lead (20-58 ppm).

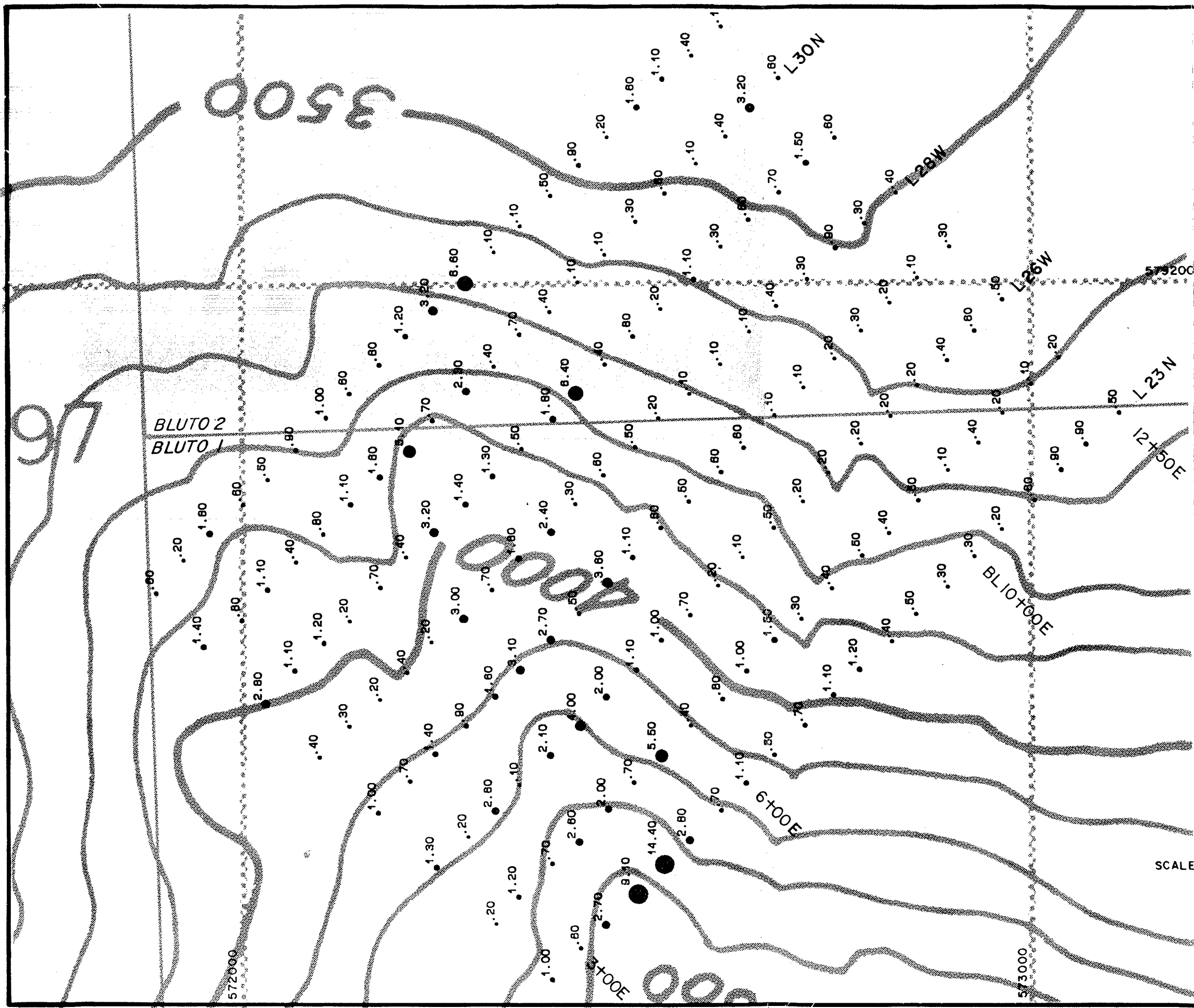
MAGNETOMETER SURVEY

A total of 7.75 line kilometres of grid was surveyed at 25 metre intervals utilizing a Scintrex MP-2 proton magnetometer. The baseline was run twice to correct for diurnal variation and to serve as a base level for the cross lines.



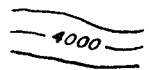
The magnetic data was compiled and computer plotted in profile (Figure 7a) and contour (Figure 7b) at a scale of 1:5,000. The magnetic survey has outlined a magnetic high of up to 59500 gammas above a base level of approximately 58000 gammas, trending northwesterly across the southern portion of the grid. This magnetic feature has a sharp gradient along its northern edge which appears to be spatially related to a multi-element geochemical anomaly (Figures 6a to 6f).

A second magnetic high occurs along the northern portion of the grid, but has relatively gentle gradient and no associated geochemical response.

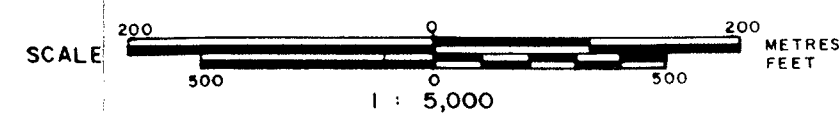
Douglas G. Brownlee



LEGEND

-  572000 UTM coordinates.
-  Claim boundary.
-  Topographical contours, Contour interval 100 feet.

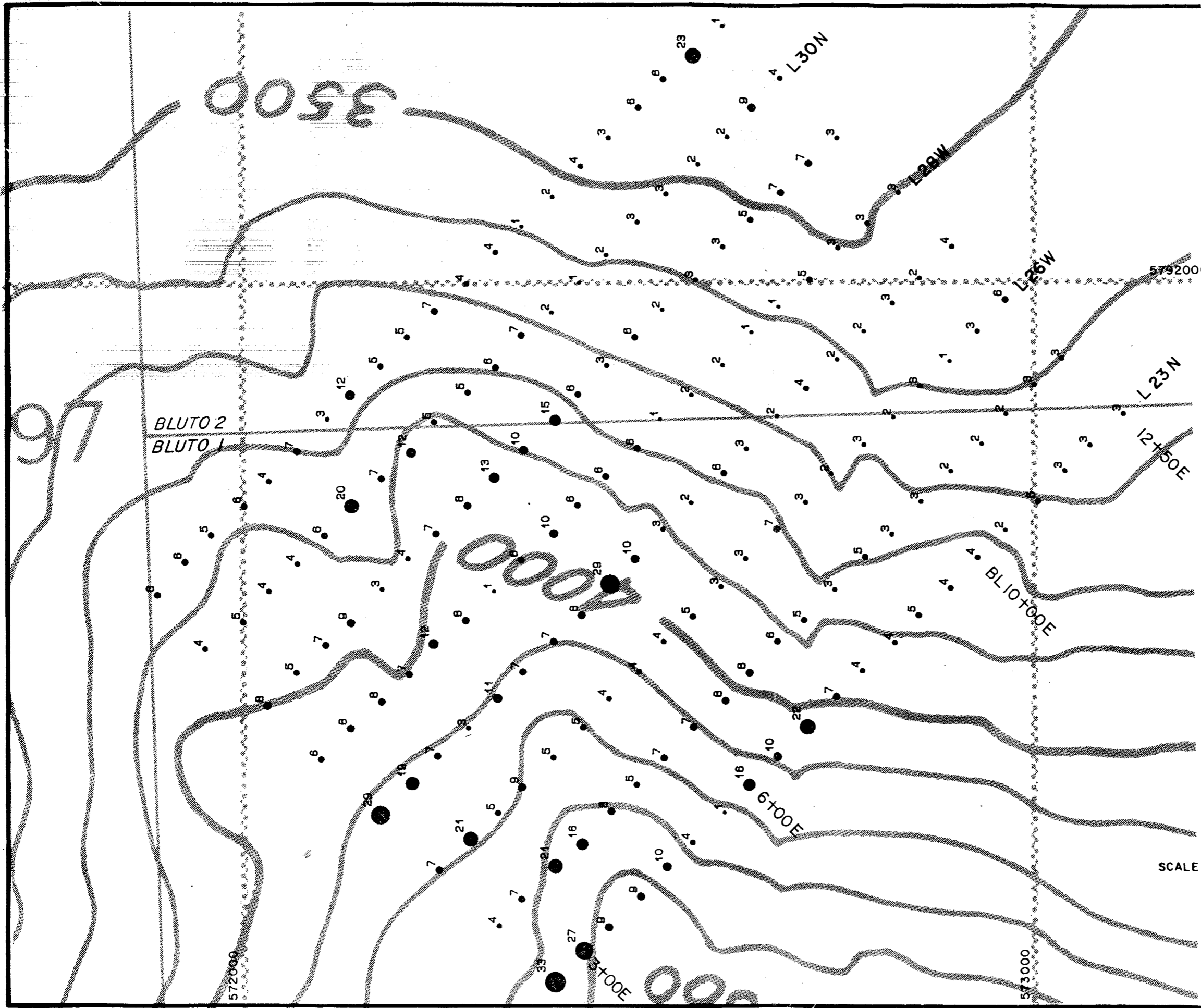
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
GEOCHEMICAL MAP
 SILVER



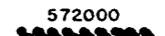

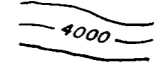
Jan., 1988

N.T.S. 93A/7

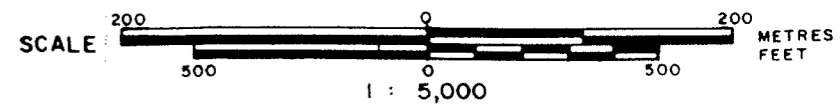
FIGURE 6a



LEGEND

-  572000 UTM coordinates.
-  Claim boundary.
-  400 Topographical contours, Contour interval 100 feet.

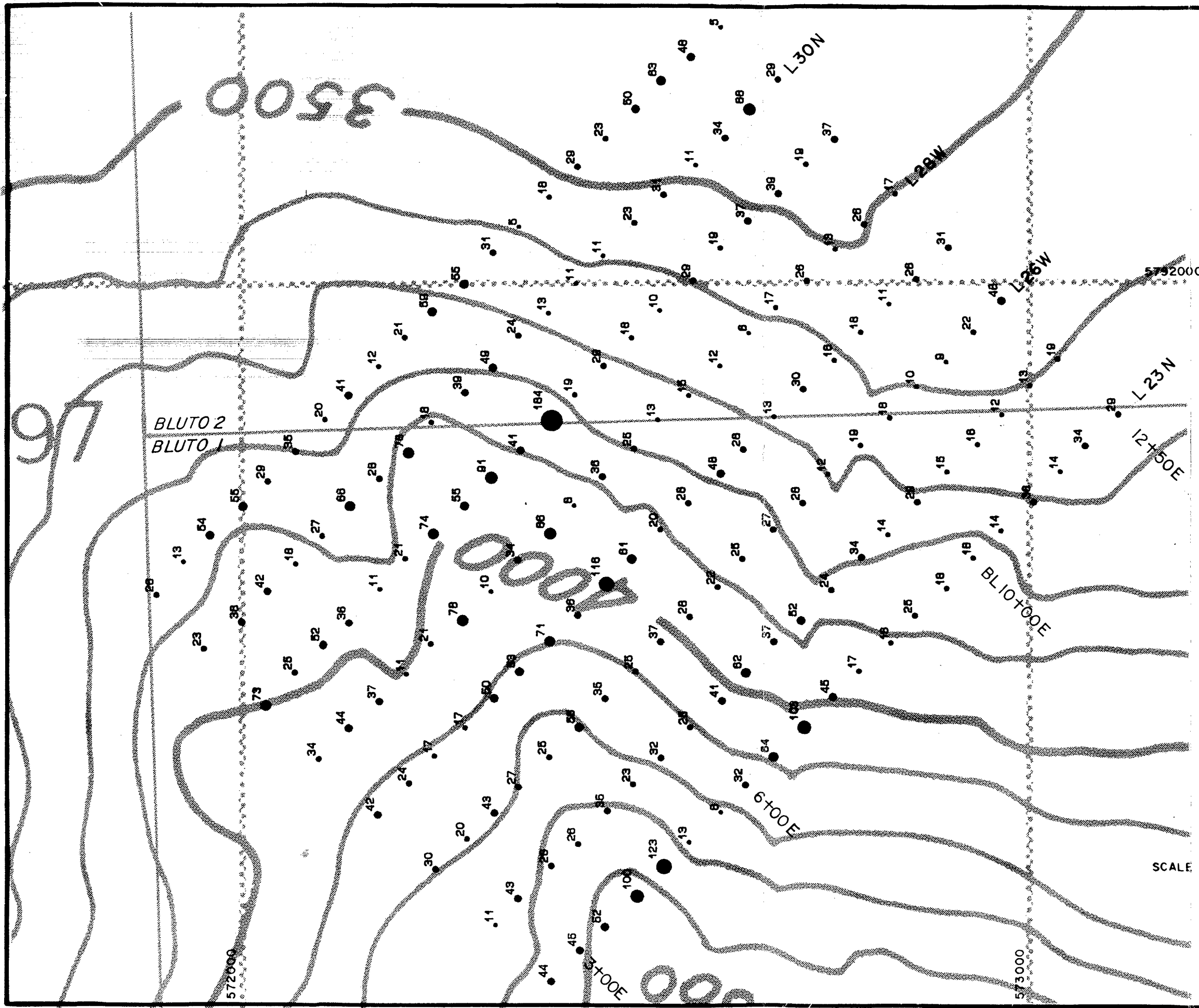
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
GEOCHEMICAL MAP
 MOLYBDENUM



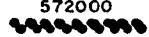

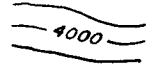
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N.T.S. 93A/7

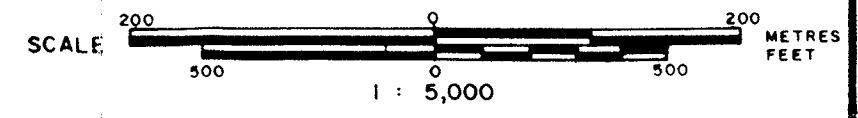
FIGURE 6b



LEGEND

-  572000 UTM coordinates.
-  Claim boundary.
-  4000 Topographical contours, Contour interval 100 feet.

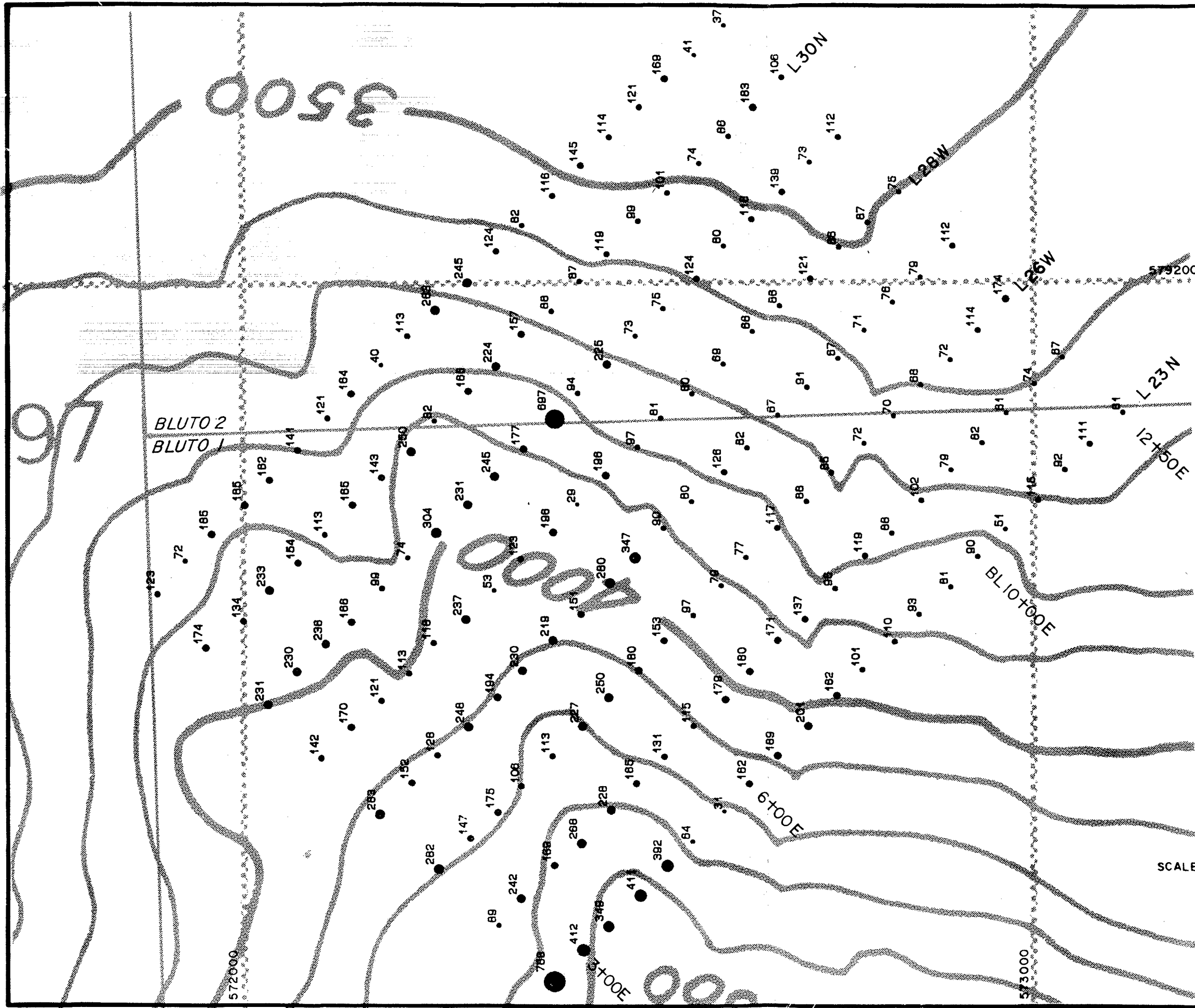
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
GEOCHEMICAL MAP
 COPPER



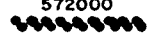


Jan., 1988

N.T.S. 93A/7

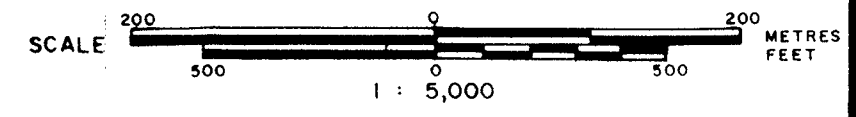
FIGURE 6c



LEGEND

-  572000 UTM coordinates.
-  Claim boundary.
-  4000 Topographical contours, Contour interval 100 feet.

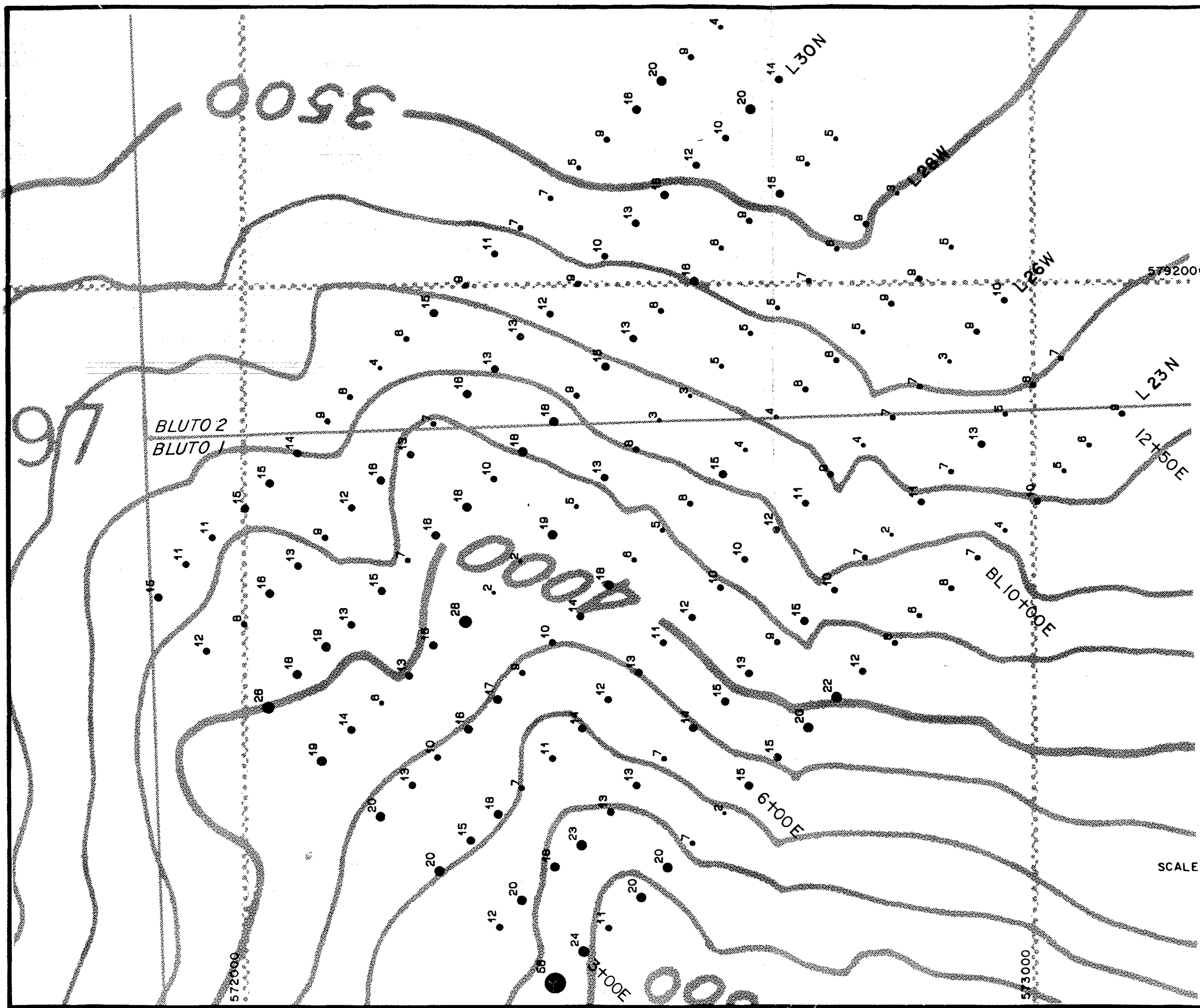
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
GEOCHEMICAL MAP
 ZINC



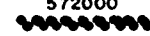

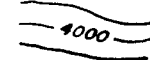
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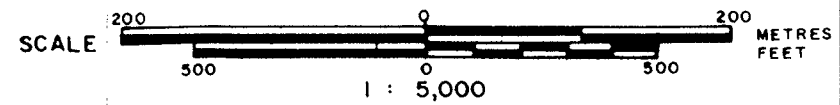
FIGURE 6e



LEGEND

-  572000 UTM coordinates.
-  Claim boundary.
-  4000 Topographical contours, Contour interval 100 feet.

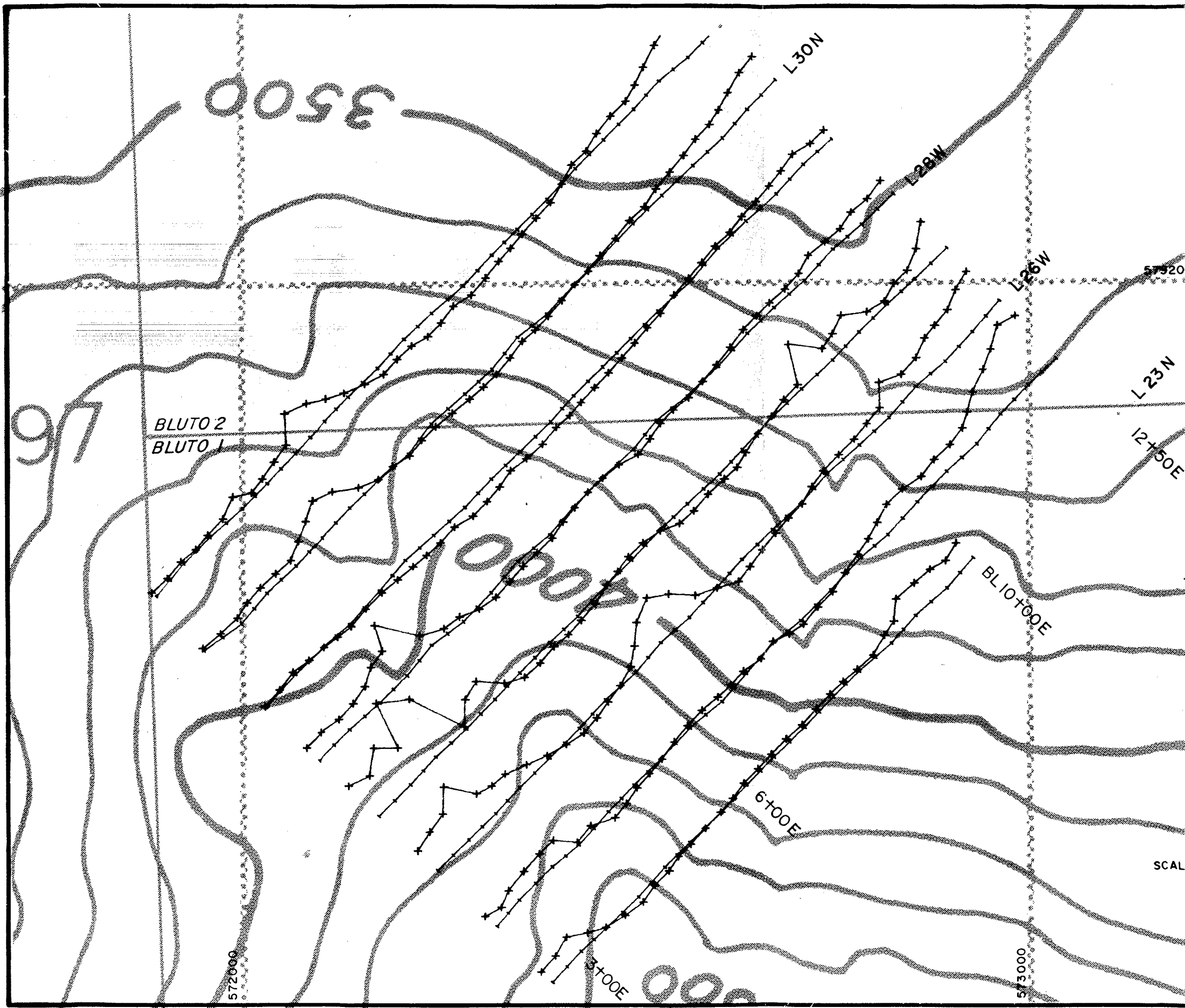
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
GEOCHEMICAL MAP
 LEAD



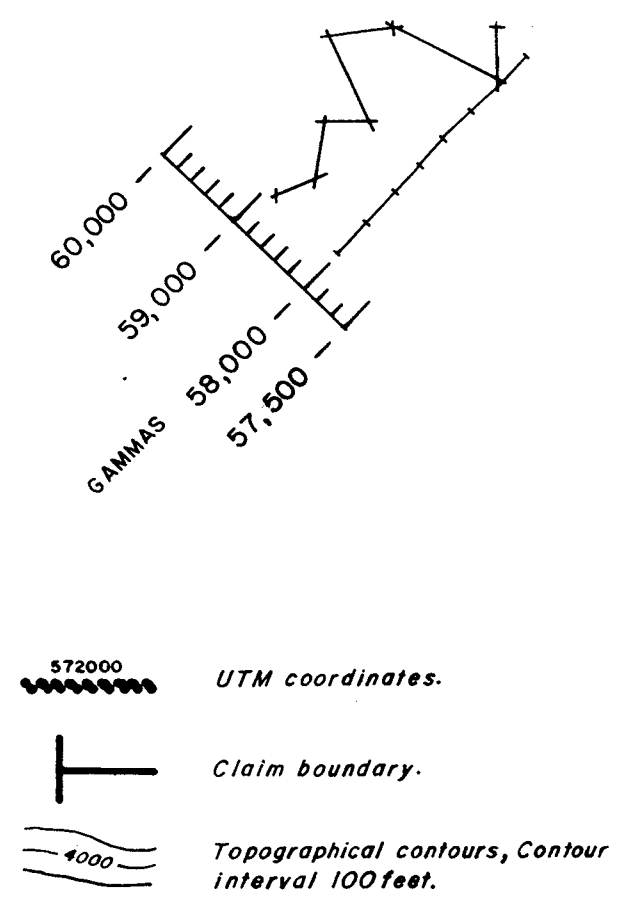
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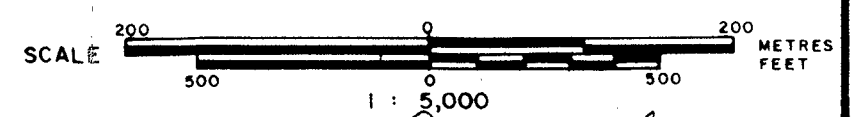
FIGURE 61



LEGEND



INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
MAGNETOMETER PROFILES

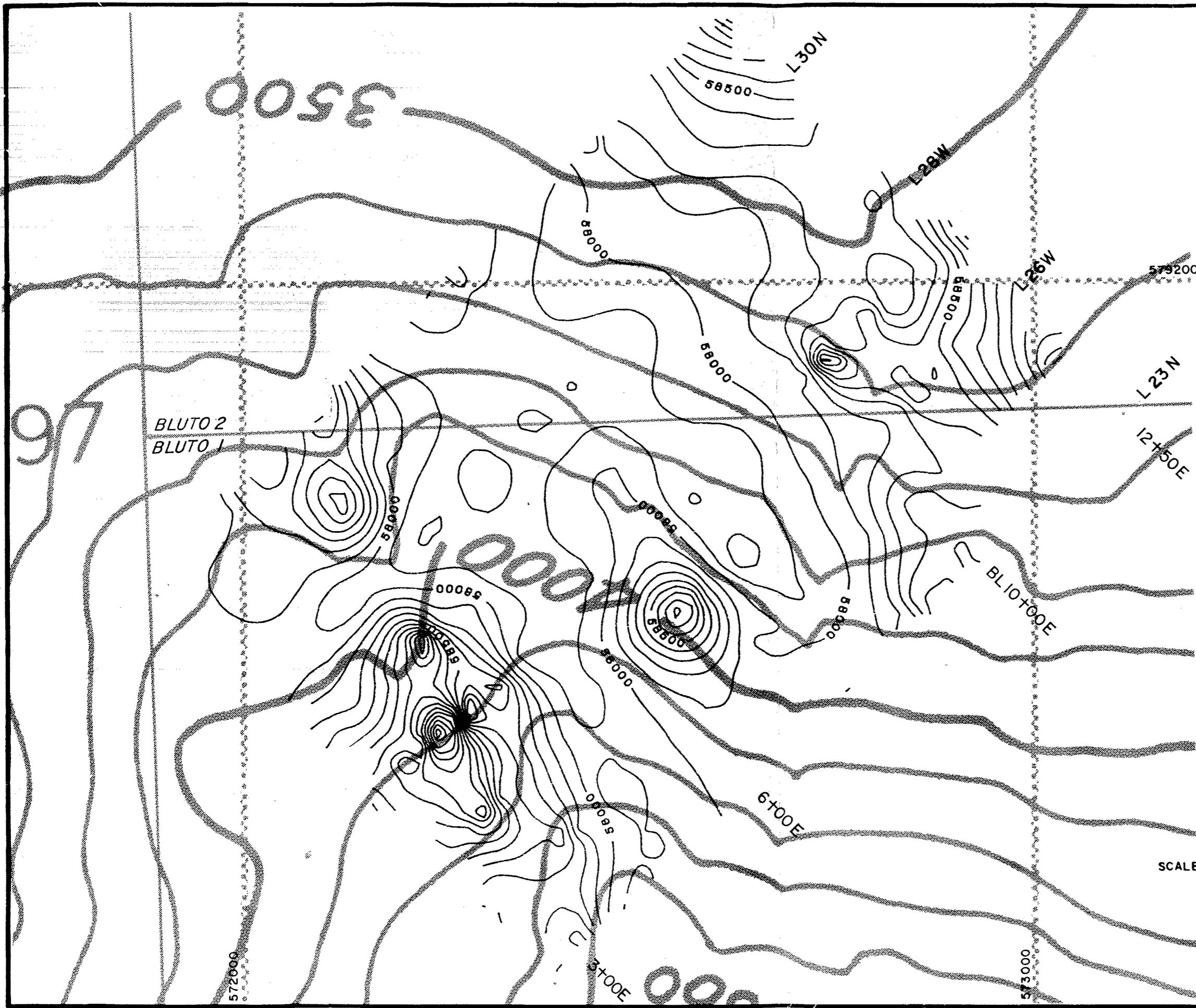


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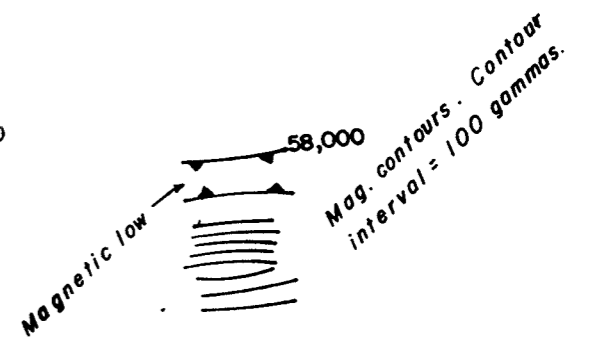
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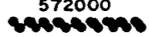

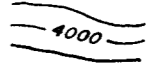
N.T.S. 93A/7

FIGURE 7a

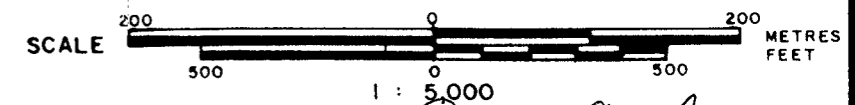



LEGEND



-  UTM coordinates.
-  Claim boundary.
-  Topographical contours, Contour interval 100 feet.

INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
MAGNETOMETER SURVEY PLAN



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FIGURE 7b

VLF-Electromagnetic Survey

A total of 6.75 kilometres of VLF-electromagnetic surveys were conducted on the grid at 25 metre intervals.

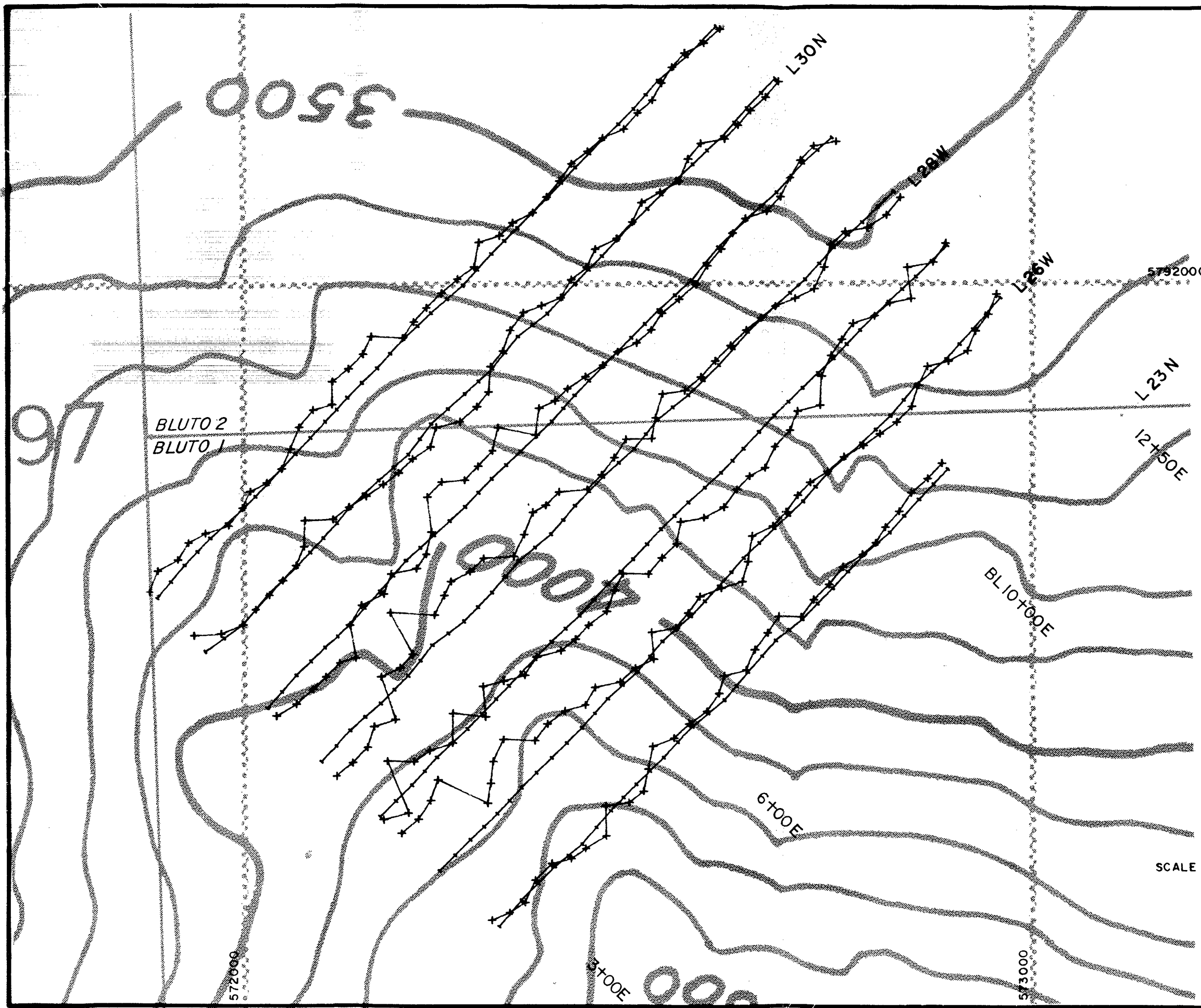
The VLF-electromagnetic method utilizes an electromagnetic field transmitted from radio stations in the 12 to 24 kilohertz range (long range submarine communication signals). The signals are propagated with the magnetic component of the field being horizontal in undisturbed areas.

Conductivity contrasts (produced by such features as massive sulphides, graphitic shales or fault structures) in the earth's crust, produce a local vertical component to the electromagnetic field and changes in field strength or amplitude. These conductive areas may be located, and to a degree, evaluated by measuring the various parameters of this electromagnetic field. A sabre Model 27 VLF-electromagnetic receiver, tuned to Seattle, Washington, was used for all observations. This instrument is manufactured by Sabre Electronic Instruments. It measures the dip angle of the resultant field (in degrees) and the normalized horizontal component of the field strength (in relative percent).

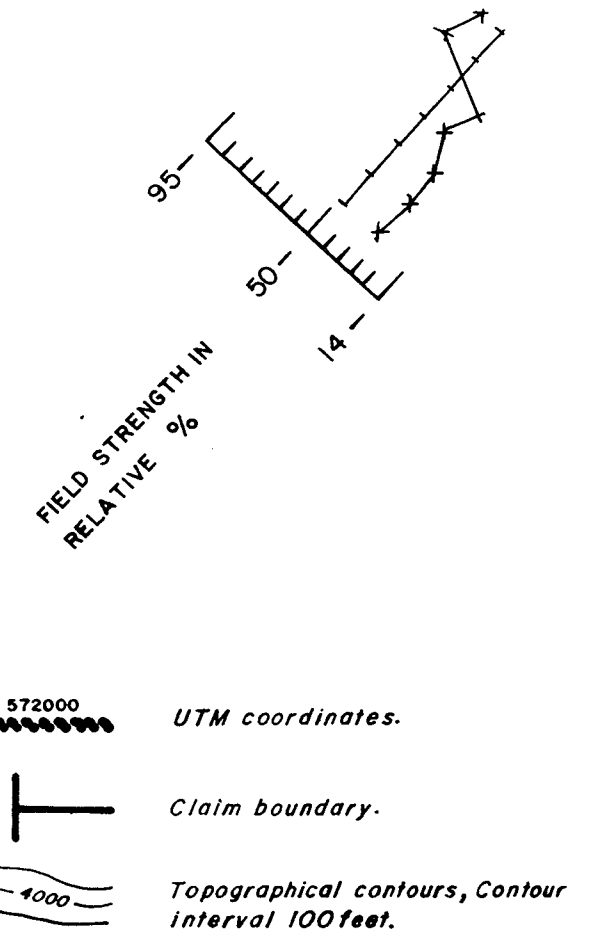
Data is filtered by a technique described by Fraser (1969 - Geophysics, Vol. 34, No. 6, pp. 958-967) and data presented in profile form on Figures 8a to 8c. Conductive zones are interpreted to underlie the point on a traverse line where changes in dip angle of the resultant field (from negative to positive - 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 9.

A relatively strong response was recorded along the southern edge of the magnetic high delineated along the southern portion of the grid.

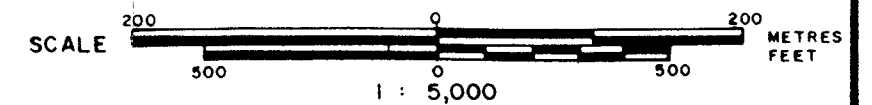
The VLF-EM response over the rest of the grid was erratic, however several northwest trends can be interpolated. This response is interpreted as reflecting the Upper Triassic black phyllite to argillite of the Takla Group.



LEGEND



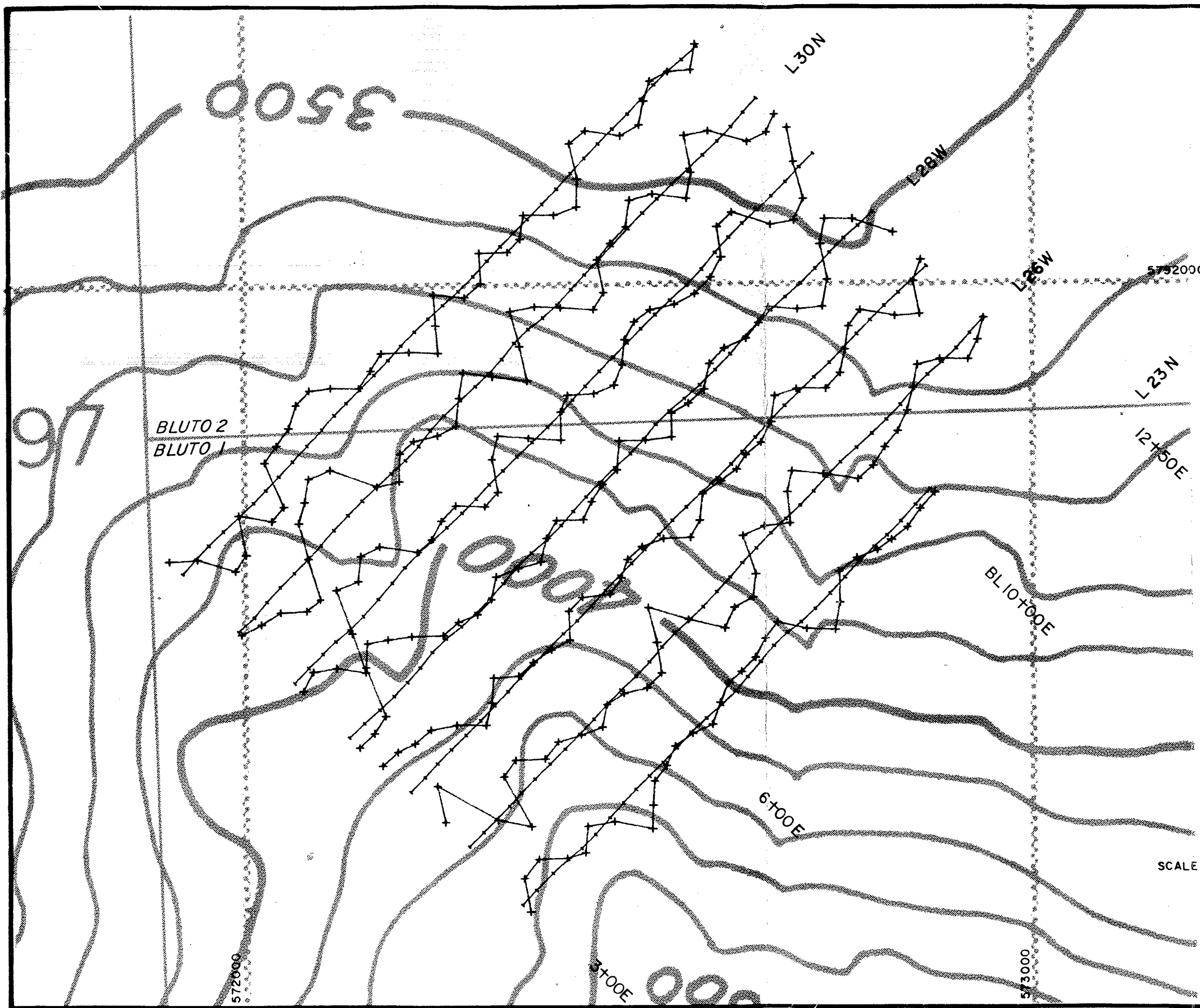
INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
VLF-EM PROFILES



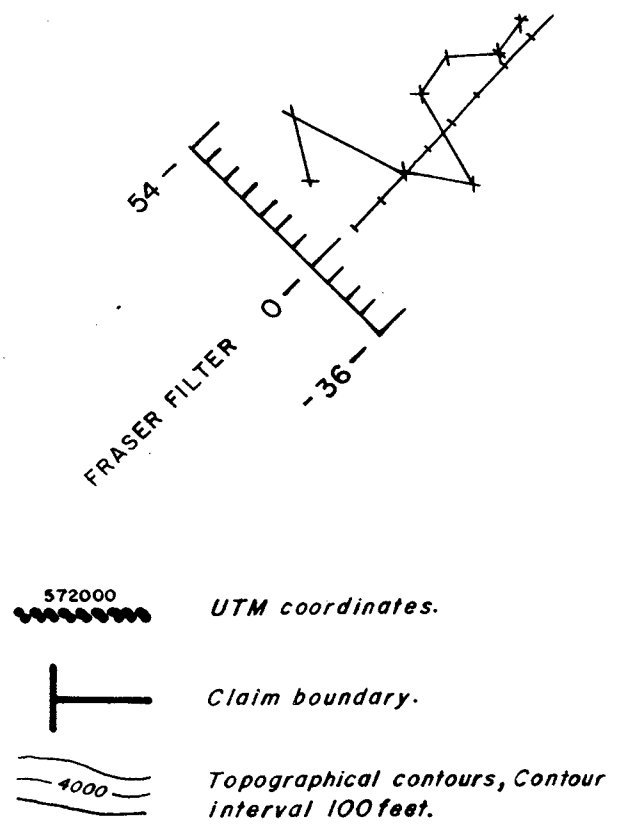
Jan., 1988

N.T.S. 93A/7

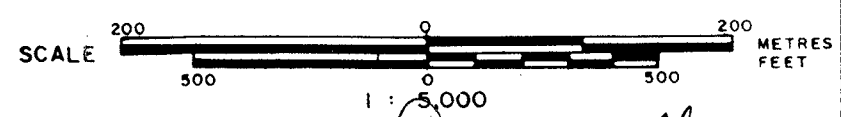
FIGURE 8a



LEGEND



INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
VLF - EM PROFILE S

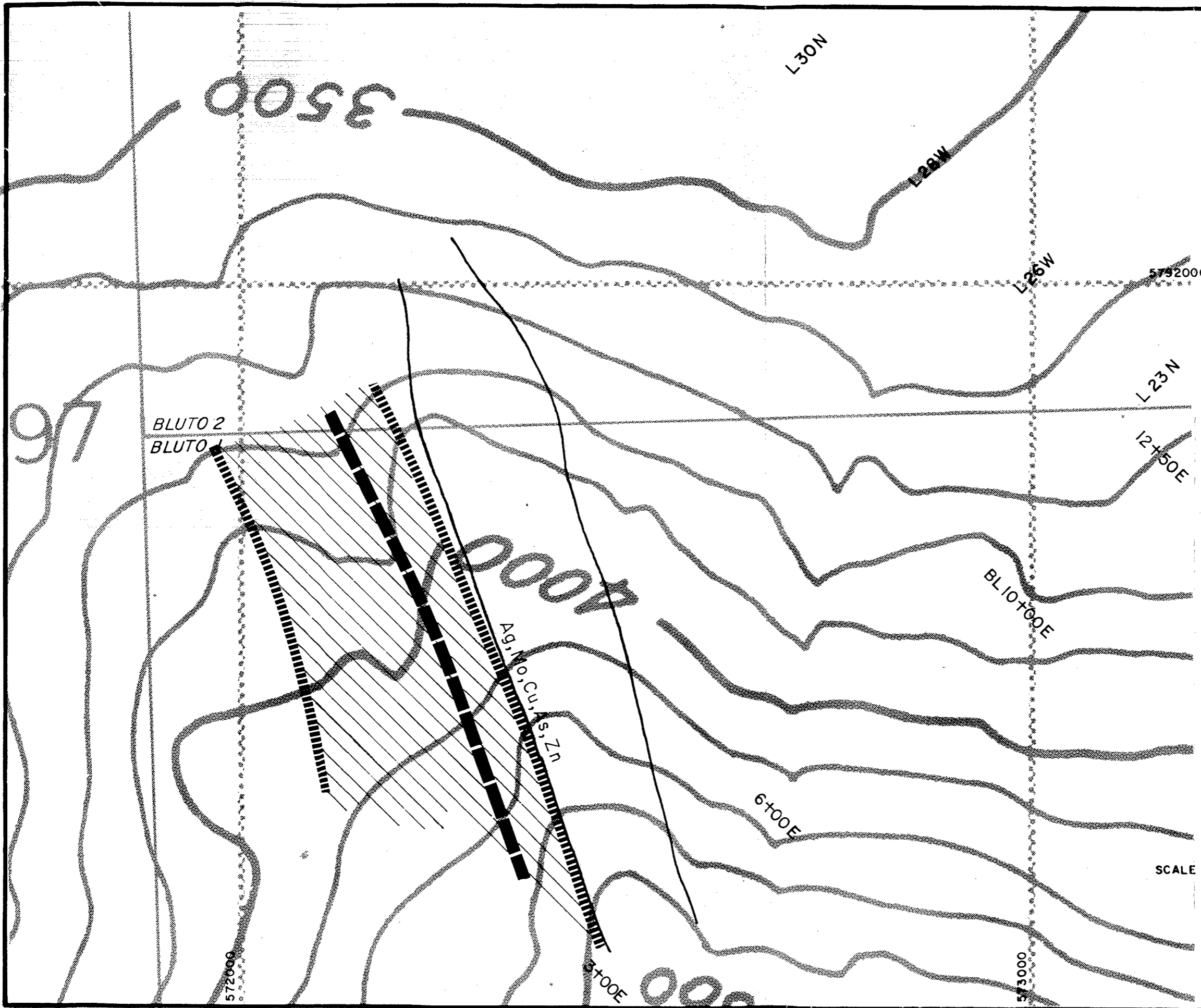


A.M. *Donald S. Allen*
 exploration ltd.




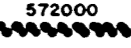

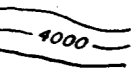
Jan., 1988

N.T.S. 93A/7

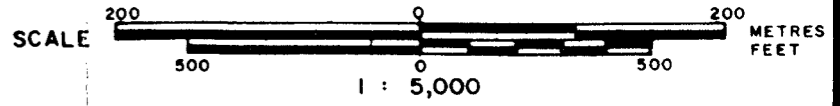
FIGURE 8c



LEGEND

-  Boundary of geochemical anomaly in soil.
-  VLF-EM conductor.
-  Magnetic high
-  UTM coordinates.
-  Claim boundary.
-  Topographical contours, Contour interval 100 feet.

INTER CANADIAN DEVELOPMENT CORP.
CROOKED LAKE PROPERTY
 CARIBOO MINING DIVISION - BRITISH COLUMBIA
COMPILATION MAP



Jan., 1988

N.T.S. 93A/7

FIGURE 9

REFERENCES

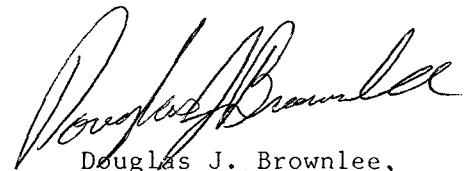
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CERTIFICATE

I, Douglas J. Brownlee, do hereby certify that:

1. I am a geologist residing at Suite 101, 2615 Lonsdale Avenue, North Vancouver, British Columbia.
2. I am a graduate in Geology Specialization from the University of Alberta (1980).
3. I have practiced my profession in British Columbia since January, 1980.
4. This report is based mainly on information listed under references and fieldwork carried out by S. Travis from October 19th to 25th, 1987 and personal observations during examination of the property from June 11th to 13th 1986.

January 26, 1988
Vancouver, B.C.



Douglas J. Brownlee,
Geologist

APPENDIX I

GEOCHEMICAL RESULTS

APPENDIX II
GEOPHYSICAL DATA

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 25 N	250 E	57	8	18
L 25 N	275 E	51	10	9
L 25 N	300 E	47	-1	11
L 25 N	325 E	53	12	21
L 25 N	350 E	53	9	25
L 25 N	375 E	47	16	22
L 25 N	400 E	46	6	21
L 25 N	425 E	41	15	30
L 25 N	450 E	55	15	17
L 25 N	475 E	45	2	3
L 25 N	500 E	43	1	1
L 25 N	525 E	52	0	-2
L 25 N	550 E	61	-2	-2
L 25 N	575 E	54	0	0
L 25 N	600 E	53	0	-3
L 25 N	625 E	52	-3	-6
L 25 N	650 E	56	-3	-1
L 25 N	675 E	61	2	2
L 25 N	700 E	52	0	5
L 25 N	725 E	57	5	7
L 25 N	750 E	58	2	13
L 25 N	775 E	62	11	17
L 25 N	800 E	52	6	7
L 25 N	825 E	54	1	-3
L 25 N	850 E	54	-4	-2
L 25 N	875 E	55	2	3
L 25 N	900 E	51	1	1
L 25 N	925 E	51	0	0
L 25 N	950 E	55	0	-3
L 25 N	975 E	55	-3	-6
L 25 N	1000 E	57	-3	-7
L 25 N	1025 E	56	-4	-10
L 25 N	1050 E	56	-6	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 26 N	250 E	87	-6	-24
L 26 N	275 E	86	-18	-27 24
L 26 N	300 E	89	-9	0 46
L 26 N	325 E	96	9	19 -1
L 26 N	350 E	60	10	-1 -21
L 26 N	375 E	68	-11	-2 17
L 26 N	400 E	77	9	16 19
L 26 N	425 E	83	7	17 5
L 26 N	450 E	67	10	21 7
L 26 N	475 E	69	11	24 -1
L 26 N	500 E	67	13	20 -8
L 26 N	525 E	59	7	16 0
L 26 N	550 E	62	9	20 -3
L 26 N	575 E	53	11	13 -11
L 26 N	600 E	53	2	9 -11
L 26 N	625 E	47	7	2 5
L 26 N	650 E	60	-5	14 26
L 26 N	675 E	51	19	28 1
L 26 N	700 E	53	9	15 -21
L 26 N	725 E	55	6	7 -16
L 26 N	750 E	48	1	-1 -21
L 26 N	775 E	40	-2	-14 -12
L 26 N	800 E	46	-12	-13 13
L 26 N	825 E	57	-1	-1 7
L 26 N	850 E	52	0	-6 -4
L 26 N	875 E	53	-6	-5 13
L 26 N	900 E	56	1	7 21
L 26 N	925 E	55	6	16 3
L 26 N	950 E	51	10	10 -17
L 26 N	975 E	51	0	-1 -17
L 26 N	1000 E	48	-1	-7 -13
L 26 N	1025 E	46	-6	-14 -11
L 26 N	1050 E	44	-8	-18 -6
L 26 N	1075 E	43	-10	-20 1
L 26 N	1100 E	49	-10	-17 10
L 26 N	1125 E	55	-7	-10 3
L 26 N	1150 E	48	-3	-14 -11
L 26 N	1175 E	43	-11	-21 -7
L 26 N	1200 E	48	-10	-21 0
L 26 N	1225 E	49	-11	-21
L 26 N	1250 E	54	-10	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 27 N	250 E	47	-24	-52
L 27 N	275 E	38	-28	-41 27
L 27 N	300 E	74	-13	-25 26
L 27 N	325 E	60	-12	-15 21
L 27 N	350 E	57	-3	-4 20
L 27 N	375 E	50	-1	5 10
L 27 N	400 E	65	6	6 -5
L 27 N	425 E	47	0	0 3
L 27 N	450 E	63	0	9 14
L 27 N	475 E	55	9	14 2
L 27 N	500 E	47	5	11 1
L 27 N	525 E	50	6	15 -2
L 27 N	550 E	41	9	9 -6
L 27 N	575 E	40	0	9 9
L 27 N	600 E	41	9	18 9
L 27 N	625 E	38	9	18 -4
L 27 N	650 E	44	9	14 -2
L 27 N	675 E	48	5	16 4
L 27 N	700 E	35	11	18 3
L 27 N	725 E	36	7	19 -4
L 27 N	750 E	35	12	14 -17
L 27 N	775 E	44	2	2 -13
L 27 N	800 E	35	0	1 -1
L 27 N	825 E	31	1	1 -3
L 27 N	850 E	34	0	-2 -5
L 27 N	875 E	34	-2	-4 -3
L 27 N	900 E	30	-2	-5 -5
L 27 N	925 E	35	-3	-9 -1
L 27 N	950 E	35	-6	-6 10
L 27 N	975 E	41	0	1 3
L 27 N	1000 E	33	1	-3 -11
L 27 N	1025 E	47	-4	-10 -10
L 27 N	1050 E	53	-6	-13 -1
L 27 N	1075 E	55	-7	-11 8
L 27 N	1100 E	57	-4	-5 10
L 27 N	1125 E	50	-1	-1 -10
L 27 N	1150 E	49	0	-15 -21
L 27 N	1175 E	41	-15	-22 -1
L 27 N	1200 E	59	-7	-16 6
L 27 N	1225 E	49	-9	-16
L 27 N	1250 E	52	-7	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 28 N	250 E	35	-10	-29
L 28 N	275 E	33	-19	-39 -10
L 28 N	300 E	33	-20	-39 -10
L 28 N	325 E	41	-19	-49 -6
L 28 N	350 E	35	-30	-45 28
L 28 N	375 E	63	-15	-21 39
L 28 N	400 E	58	-6	-6 30
L 28 N	425 E	57	0	9 18
L 28 N	450 E	87	9	12 3
L 28 N	475 E	66	3	12 4
L 28 N	500 E	73	9	16 -1
L 28 N	525 E	76	7	11 -1
L 28 N	550 E	71	4	15 7
L 28 N	575 E	70	11	18 -1
L 28 N	600 E	55	7	14 -9
L 28 N	625 E	62	7	9 1
L 28 N	650 E	70	2	15 5
L 28 N	675 E	66	13	14 -9
L 28 N	700 E	65	1	6 -5
L 28 N	725 E	52	5	9 -2
L 28 N	750 E	52	4	4 -2
L 28 N	775 E	55	0	7 12
L 28 N	800 E	59	7	16 -1
L 28 N	825 E	45	9	6 -14
L 28 N	850 E	52	-3	2 -2
L 28 N	875 E	62	5	4 -4
L 28 N	900 E	54	-1	-2 -4
L 28 N	925 E	53	-1	0 6
L 28 N	950 E	54	1	4 6
L 28 N	975 E	53	3	6 -1
L 28 N	1000 E	52	3	3 0
L 28 N	1025 E	51	0	6 3
L 28 N	1050 E	50	6	6 -12
L 28 N	1075 E	45	0	-6 -22
L 28 N	1100 E	41	-6	-16 -11
L 28 N	1125 E	46	-10	-17 9
L 28 N	1150 E	53	-7	-7 19
L 28 N	1175 E	53	0	2 6
L 28 N	1200 E	45	2	-1 -20
L 28 N	1225 E	42	-3	-18
L 28 N	1250 E	44	-15	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 29 N	250 E	42	-4	-11
L 29 N	275 E	37	-7	-16
L 29 N	300 E	35	-9	-19
L 29 N	325 E	35	-10	-20
L 29 N	350 E	35	-10	-33
L 29 N	375 E	30	-23	-50
L 29 N	400 E	50	-27	-36
L 29 N	425 E	53	-9	-24
L 29 N	450 E	47	-15	-17
L 29 N	475 E	52	-2	5
L 29 N	500 E	41	7	6
L 29 N	525 E	44	-1	6
L 29 N	550 E	53	7	7
L 29 N	575 E	73	0	12
L 29 N	600 E	74	12	14
L 29 N	625 E	63	2	4
L 29 N	650 E	63	2	6
L 29 N	675 E	64	4	15
L 29 N	700 E	73	11	26
L 29 N	725 E	51	15	19
L 29 N	750 E	63	4	13
L 29 N	775 E	58	9	20
L 29 N	800 E	57	11	18
L 29 N	825 E	54	7	12
L 29 N	850 E	51	5	4
L 29 N	875 E	50	-1	4
L 29 N	900 E	45	5	7
L 29 N	925 E	44	2	11
L 29 N	950 E	47	9	12
L 29 N	975 E	46	3	7
L 29 N	1000 E	46	4	4
L 29 N	1025 E	48	0	-1
L 29 N	1050 E	48	-1	-1
L 29 N	1075 E	50	0	10
L 29 N	1100 E	51	10	10
L 29 N	1125 E	45	0	-4
L 29 N	1150 E	46	-4	-13
L 29 N	1175 E	50	-9	-21
L 29 N	1200 E	53	-12	-7
L 29 N	1225 E	54	5	5
L 29 N	1250 E	46	0	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 31 N	250 E	57	-9	-9
L 31 N	275 E	62	0	1 13
L 31 N	300 E	56	1	4 -1
L 31 N	325 E	59	3	0 -26
L 31 N	350 E	55	-3	-22 -23
L 31 N	375 E	48	-19	-23 1
L 31 N	400 E	51	-4	-21 -18
L 31 N	425 E	55	-17	-41 -17
L 31 N	450 E	51	-24	-38 14
L 31 N	475 E	50	-14	-27 16
L 31 N	500 E	55	-13	-22 18
L 31 N	525 E	61	-9	-9 25
L 31 N	550 E	62	0	3 25
L 31 N	575 E	55	3	16 15
L 31 N	600 E	66	13	18 1
L 31 N	625 E	64	5	17 4
L 31 N	650 E	64	12	22 7
L 31 N	675 E	68	10	24 -7
L 31 N	700 E	51	14	15 -22
L 31 N	725 E	54	1	2 -7
L 31 N	750 E	55	1	8 10
L 31 N	775 E	56	7	12 -6
L 31 N	800 E	56	5	2 -7
L 31 N	825 E	53	-3	5 8
L 31 N	850 E	62	8	10 -6
L 31 N	875 E	55	2	-1 -6
L 31 N	900 E	55	-3	4 4
L 31 N	925 E	50	7	3 -11
L 31 N	950 E	51	-4	-7 -19
L 31 N	975 E	52	-3	-16 -6
L 31 N	1000 E	54	-13	-13 15
L 31 N	1025 E	52	0	-1 13
L 31 N	1050 E	51	-1	0 -7
L 31 N	1075 E	45	1	-8 -11
L 31 N	1100 E	46	-9	-11 -2
L 31 N	1125 E	44	-2	-10 4
L 31 N	1150 E	47	-8	-7 0
L 31 N	1175 E	51	1	-10 -9
L 31 N	1200 E	53	-11	-16 2
L 31 N	1225 E	48	-5	-8
L 31 N	1250 E	47	-3	

LINE	STATION	FIELD STRENGTH	DIP	FRASER FILTER
L 25 N	250 E	57	8	18
L 25 N	275 E	51	10	9
L 25 N	300 E	47	-1	11
L 25 N	325 E	53	12	21
L 25 N	350 E	53	9	25
L 25 N	375 E	47	16	22
L 25 N	400 E	46	6	21
L 25 N	425 E	41	15	30
L 25 N	450 E	55	15	17
L 25 N	475 E	45	2	3
L 25 N	500 E	43	1	1
L 25 N	525 E	52	0	-2
L 25 N	550 E	61	-2	-2
L 25 N	575 E	54	0	0
L 25 N	600 E	53	0	-3
L 25 N	625 E	52	-3	-6
L 25 N	650 E	56	-3	-1
L 25 N	675 E	61	2	2
L 25 N	700 E	52	0	5
L 25 N	725 E	57	5	7
L 25 N	750 E	58	2	13
L 25 N	775 E	62	11	17
L 25 N	800 E	52	6	7
L 25 N	825 E	54	1	-3
L 25 N	850 E	54	-4	-2
L 25 N	875 E	55	2	3
L 25 N	900 E	51	1	1
L 25 N	925 E	51	0	0
L 25 N	950 E	55	0	-3
L 25 N	975 E	55	-3	-6
L 25 N	1000 E	57	-3	-7
L 25 N	1025 E	56	-4	-10
L 25 N	1050 E	56	-6	

LINE	STATION	READING	LINE	STATION	READING
L 27 N	250 E	58853	L 26 N	250 E	58553
L 27 N	275 E	58701	L 26 N	275 E	58654
L 27 N	300 E	59028	L 26 N	300 E	58728
L 27 N	325 E	58679	L 26 N	325 E	59104
L 27 N	350 E	59597	L 26 N	350 E	58552
L 27 N	375 E	59207	L 26 N	375 E	58435
L 27 N	400 E	58055	L 26 N	400 E	58401
L 27 N	425 E	58424	L 26 N	425 E	58233
L 27 N	450 E	58522	L 26 N	450 E	58072
L 27 N	475 E	58084	L 26 N	475 E	57960
L 27 N	500 E	57870	L 26 N	500 E	57870
L 27 N	525 E	57844	L 26 N	525 E	57883
L 27 N	550 E	57880	L 26 N	550 E	57933
L 27 N	575 E	57862	L 26 N	575 E	58014
L 27 N	600 E	57895	L 26 N	600 E	58161
L 27 N	625 E	57907	L 26 N	625 E	58365
L 27 N	650 E	57989	L 26 N	650 E	58630
L 27 N	675 E	58031	L 26 N	675 E	58853
L 27 N	700 E	58090	L 26 N	700 E	58622
L 27 N	725 E	58072	L 26 N	725 E	58209
L 27 N	750 E	57986	L 26 N	750 E	57993
L 27 N	775 E	57819	L 26 N	775 E	57758
L 27 N	800 E	57806	L 26 N	800 E	57782
L 27 N	825 E	57858	L 26 N	825 E	57854
L 27 N	850 E	57869	L 26 N	850 E	57906
L 27 N	875 E	57838	L 26 N	875 E	57965
L 27 N	900 E	57913	L 26 N	900 E	57981
L 27 N	925 E	57986	L 26 N	925 E	58062
L 27 N	950 E	58020	L 26 N	950 E	58093
L 27 N	975 E	58094	L 26 N	975 E	58127
L 27 N	1000 E	58122	L 26 N	1000 E	58158
L 27 N	1025 E	58838	L 26 N	1025 E	58213
L 27 N	1050 E	58311	L 26 N	1050 E	58273
L 27 N	1075 E	58364	L 26 N	1075 E	58607
L 27 N	1100 E	58486	L 26 N	1100 E	58374
L 27 N	1125 E	58176	L 26 N	1125 E	58432
L 27 N	1150 E	58084	L 26 N	1150 E	58621
L 27 N	1175 E	58212	L 26 N	1175 E	58642
L 27 N	1200 E	58228	L 26 N	1200 E	58665
L 27 N	1225 E	58416	L 26 N	1225 E	58805
L 27 N	1250 E	58731	L 26 N	1250 E	58878

LINE	STATION	READING	LINE	STATION	READING
L 29 N	250 E	58019	L 28 N	250 E	58365
L 29 N	275 E	58030	L 28 N	275 E	58371
L 29 N	300 E	58065	L 28 N	300 E	58292
L 29 N	325 E	58014	L 28 N	325 E	58345
L 29 N	350 E	57985	L 28 N	350 E	58443
L 29 N	375 E	57965	L 28 N	375 E	58630
L 29 N	400 E	57951	L 28 N	400 E	58701
L 29 N	425 E	57964	L 28 N	425 E	59129
L 29 N	450 E	57942	L 28 N	450 E	58303
L 29 N	475 E	57865	L 28 N	475 E	58124
L 29 N	500 E	57802	L 28 N	500 E	58121
L 29 N	525 E	57794	L 28 N	525 E	57948
L 29 N	550 E	57798	L 28 N	550 E	57868
L 29 N	575 E	57842	L 28 N	575 E	57857
L 29 N	600 E	57759	L 28 N	600 E	57851
L 29 N	625 E	57756	L 28 N	625 E	57887
L 29 N	650 E	57769	L 28 N	650 E	57914
L 29 N	675 E	57854	L 28 N	675 E	57964
L 29 N	700 E	57804	L 28 N	700 E	57973
L 29 N	725 E	57786	L 28 N	725 E	57999
L 29 N	750 E	57841	L 28 N	750 E	57986
L 29 N	775 E	57798	L 28 N	775 E	57968
L 29 N	800 E	57802	L 28 N	800 E	57861
L 29 N	825 E	57816	L 28 N	825 E	57871
L 29 N	850 E	57832	L 28 N	850 E	57903
L 29 N	875 E	57853	L 28 N	875 E	57955
L 29 N	900 E	57882	L 28 N	900 E	57958
L 29 N	925 E	57917	L 28 N	925 E	57994
L 29 N	950 E	57935	L 28 N	950 E	58040
L 29 N	975 E	58021	L 28 N	975 E	58075
L 29 N	1000 E	58074	L 28 N	1000 E	58115
L 29 N	1025 E	58065	L 28 N	1025 E	58131
L 29 N	1050 E	58068	L 28 N	1050 E	58133
L 29 N	1075 E	58062	L 28 N	1075 E	58135
L 29 N	1100 E	58125	L 28 N	1100 E	58184
L 29 N	1125 E	58169	L 28 N	1125 E	58282
L 29 N	1150 E	58219	L 28 N	1150 E	58217
L 29 N	1175 E	58248	L 28 N	1175 E	58215
L 29 N	1200 E	58300	L 28 N	1200 E	58325

LINE	STATION	READING	LINE	STATION	READING
L 31 N	250 E	58120	L 30 N	250 E	58052
L 31 N	275 E	58067	L 30 N	275 E	58087
L 31 N	300 E	58068	L 30 N	300 E	58141
L 31 N	325 E	58032	L 30 N	325 E	58181
L 31 N	350 E	58065	L 30 N	350 E	58172
L 31 N	375 E	58105	L 30 N	375 E	58166
L 31 N	400 E	58306	L 30 N	400 E	58149
L 31 N	425 E	58096	L 30 N	425 E	58302
L 31 N	450 E	58134	L 30 N	450 E	58476
L 31 N	475 E	58196	L 30 N	475 E	58656
L 31 N	500 E	58254	L 30 N	500 E	58476
L 31 N	525 E	58699	L 30 N	525 E	58174
L 31 N	550 E	58520	L 30 N	550 E	58019
L 31 N	575 E	58292	L 30 N	575 E	58019
L 31 N	600 E	58114	L 30 N	600 E	57961
L 31 N	625 E	57950	L 30 N	625 E	57953
L 31 N	650 E	57827	L 30 N	650 E	57900
L 31 N	675 E	57831	L 30 N	675 E	57880
L 31 N	700 E	57798	L 30 N	700 E	57863
L 31 N	725 E	57712	L 30 N	725 E	57852
L 31 N	750 E	57728	L 30 N	750 E	57864
L 31 N	775 E	57821	L 30 N	775 E	57855
L 31 N	800 E	57761	L 30 N	800 E	57870
L 31 N	825 E	57781	L 30 N	825 E	57895
L 31 N	850 E	57811	L 30 N	850 E	57948
L 31 N	875 E	57828	L 30 N	875 E	57969
L 31 N	900 E	57863	L 30 N	900 E	57994
L 31 N	925 E	57892	L 30 N	925 E	57988
L 31 N	950 E	57905	L 30 N	950 E	58045
L 31 N	975 E	57989	L 30 N	975 E	58048
L 31 N	1000 E	58110	L 30 N	1000 E	58092
L 31 N	1025 E	58092	L 30 N	1025 E	58079
L 31 N	1050 E	58189	L 30 N	1050 E	58178
L 31 N	1075 E	58230	L 30 N	1075 E	58229
L 31 N	1100 E	58232	L 30 N	1100 E	58275
L 31 N	1125 E	58312	L 30 N	1125 E	58347
L 31 N	1150 E	58423	L 30 N	1150 E	58371
L 31 N	1175 E	58620	L 30 N	1175 E	58418
L 31 N	1200 E	58747	L 30 N	1200 E	58508
L 31 N	1225 E	58888	L 30 N	1225 E	58621
L 31 N	1250 E	59248	L 30 N	1250 E	58664

APPENDIX III
AFFIDAVIT OF EXPENSES

AFFIDAVIT OF EXPENSES

This will certify that geochemical sampling, magnetic and VLF-electromagnetic surveys were conducted on the Crooked Lake property, Cariboo Mining Division during the period October 19th to 25th, 1987 to the value of the following:

FIELDWORK

Personnel		
S. Travis		\$ 900.00
J. Cuvelier		810.00
C. Brooks		900.00
B. Stewart	(as per West Coast Leisure statement of wages and expenses)	2,100.00
Geochemical Analysis	Soil 168 samples (Au +I.C.P.)	2,047.00
Room and Board		1,059.23
Transportation		1,067.35
Field Supplies		485.35
Communication		13.19
Equipment Rental		
Magnetometer		200.00
VLF-EM		75.00

REPORT WRITING

Personnel		
Geologist		300.00
Drafting		
Draftsman		510.00
Maps/Supplies		200.00
Typing/Compilation		100.00
Stationery/Supplies		<u>50.00</u>

TOTAL **\$10,817.12**

Douglas Brownlee

APPENDIX I

Geochemical Results

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

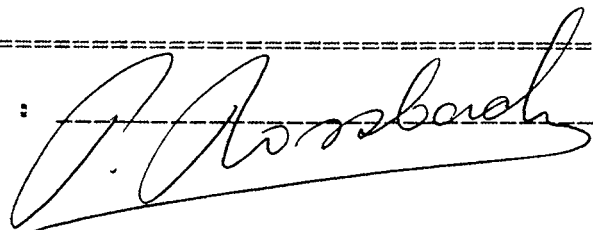
TO : A&M EXPLORATION LTD.
614-850 W. HASTINGS STREET
VANCOUVER B.C.

CERTIFICATE#: 87770
INVOICE#: 80166
DATE ENTERED: 87-11-05
FILE NAME: A&M87770
PAGE # : 1

PROJECT: 412
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	50-720001	5
S	720002	5
S	720003	5
S	720004	5
S	720005	5
S	720006	5
S	720007	5
S	720008	5
S	720009	5
S	50-720010	5
S	720011	5
S	720012	5
S	720013	5
S	50-720014	5
S	50-731001	5
S	731002	5
S	731003	5
S	731004	5
S	731005	5
S	50-731006	5
S	731007	5
S	731008	5
S	731009	5
S	731010	5
S	731011	5
S	731012	5
S	731013	5
S	731014	5
S	731015	5
S	50-731016	5
S	731017	5
S	731018	5
S	731019	5
S	731020	5
S	731021	5
S	731022	5
S	731023	5
S	731024	5
S	731025	5
S	50-731026	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

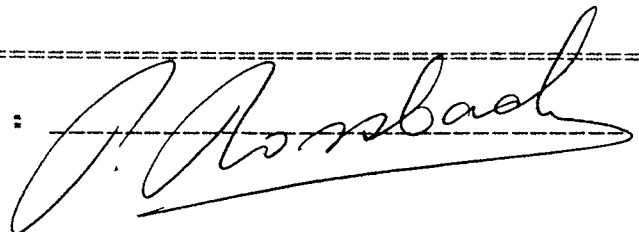
TO : A&M EXPLORATION LTD.
614-850 W. HASTINGS STREET
VANCOUVER B.C.

CERTIFICATE#: 87770
INVOICE#: 80166
DATE ENTERED: 87-11-05
FILE NAME: A&M87770
PAGE # : 2

PROJECT: 412
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	50-731027	5
S	731028	5
S	731029	5
S	731030	5
S	731031	5
S	731032	5
S	731033	5
S	731034	5
S	731035	5
S	50-731036	5
S	731037	5
S	731038	5
S	731039	5
S	731040	5
S	731041	5
S	731042	5
S	731043	5
S	731044	5
S	731045	5
S	50-731046	5
S	731047	5
S	731048	5
S	731049	5
S	731050	5
S	731051	5
S	731052	5
S	731053	5
S	731054	5
S	731055	5
S	50-731056	5
S	731057	5
S	731058	5
S	731059	5
S	731060	5
S	731061	5
S	731062	5
S	731063	5
S	731064	5
S	731065	5
S	50-731066	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
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VANCOUVER B.C.

CERTIFICATE#: 87770
INVOICE#: 80166
DATE ENTERED: 87-11-05
FILE NAME: A&M87770
PAGE # : 3

PROJECT: 412
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	50-731067	5
S	731068	5
S	731069	5
S	731070	5
S	731071	5
S	731072	5
S	731073	5
S	731074	5
S	731075	5
S	50-731076	5
S	731077	5
S	731078	5
S	731079	5
S	731080	5
S	731081	5
S	731082	5
S	731083	5
S	731084	5
S	731085	5
S	50-731086	5
S	731087	5
S	731088	5
S	731089	5
S	731090	5
S	731091	5
S	731092	5
S	731093	5
S	731094	5
S	731095	5
S	50-731096	5
S	731097	5
S	731098	5
S	731099	5
S	731100	5
S	731101	5
S	731102	5
S	731103	5
S	731104	5
S	731105	5
S	50-731106	5

CERTIFIED BY :

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
 BURNABY, B.C. V5B 3N1
 TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

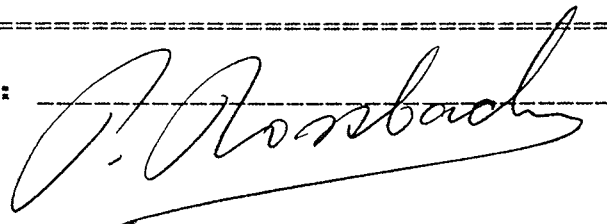
TO : A&M EXPLORATION LTD.
 614-850 W. HASTINGS STREET
 VANCOUVER B.C.

CERTIFICATE#: 87770
 INVOICE#: 80166
 DATE ENTERED: 87-11-05
 FILE NAME: A&M87770
 PAGE # : 4

PROJECT: 412
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	50-731107	5
S	731108	5
S	731109	5
S	731110	5
S	731111	5
S	731112	5
S	731113	5
S	731114	5
S	731115	5
S	50-731116	5
S	731117	5
S	731118	5
S	731119	5
S	731120	5
S	731121	5
S	731122	5
S	731123	5
S	731124	5
S	731125	5
S	50-731126	5
S	731127	5
S	731128	5
S	731129	5
S	731130	5
S	731131	5
S	731132	5
S	731133	5
S	731134	5
S	731135	5
S	731136	5
S	50-731137	5
S	50-907001	5
S	907002	5
S	907003	5
S	907004	5
S	907005	5
S	907006	5
S	907007	5
S	907008	5
S	50-907009	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

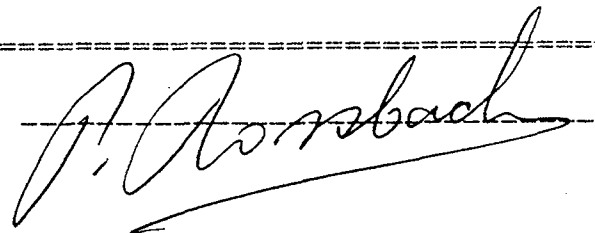
TO : A&M EXPLORATION LTD.
614-850 W. HASTINGS STREET
VANCOUVER B.C.

CERTIFICATE#: 87770
INVOICE#: 80166
DATE ENTERED: 87-11-05
FILE NAME: A&M87770
PAGE # : 5

PROJECT: 412
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	50-907010	5
S	907011	5
S	907012	5
S	907013	5
S	907014	5
S	907015	5
S	907016	5
S	50-907017	5

CERTIFIED BY :



GEOCHEMICAL ANALYSIS CERTIFICATE

JOB #412

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

DATE RECEIVED: NOV 4 1987

DATE REPORT MAILED: Nov 9/87

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87770

File # 87-5404

Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA PPM	P PPM	LA PPM	CR PPM	MG PPM	BA PPM	TI PPM	B PPM	AL PPM	NA PPM	K PPM	W PPM
S 50-720001	4	30	8	91	.1	35	9	325	2.65	3	5	ND	12	13	1	2	2	28	.17	.040	29	34	.59	77	.09	3	1.59	.01	.17	1
S 50-720002	2	13	4	67	.1	25	7	340	2.14	2	5	ND	8	20	1	2	2	25	.25	.023	20	28	.57	67	.08	2	1.59	.01	.12	1
S 50-720003	3	28	4	82	.6	31	9	268	2.63	3	5	ND	12	13	1	2	2	28	.21	.051	23	30	.62	81	.08	2	1.67	.01	.22	1
S 50-720004	6	48	15	126	.6	45	12	489	3.58	5	5	ND	16	22	1	2	2	32	.27	.061	36	35	.74	105	.07	4	1.88	.02	.25	1
S 50-720005	2	28	8	80	.5	37	10	407	2.98	2	5	ND	15	29	1	2	2	32	.37	.046	34	35	.73	105	.09	4	2.01	.02	.29	1
S 50-720006	3	20	5	90	.6	40	8	318	2.47	2	5	ND	12	20	2	2	2	26	.21	.028	23	30	.55	66	.08	5	1.55	.02	.15	1
S 50-720007	10	61	6	347	1.1	81	12	541	4.08	13	5	ND	10	20	2	2	2	22	.09	.065	21	22	.26	167	.03	2	1.67	.01	.08	1
S 50-720008	29	116	18	280	3.6	99	13	434	5.32	98	5	ND	10	28	2	3	2	37	.10	.133	17	30	.30	204	.04	2	1.63	.01	.09	1
S 50-720009	8	36	14	151	.5	40	7	134	3.09	16	5	ND	7	9	1	3	2	29	.05	.085	14	27	.29	74	.04	3	1.29	.01	.05	1
S 50-720010	7	71	10	219	2.7	69	16	241	4.00	8	5	ND	8	10	1	2	2	34	.07	.063	13	36	.55	125	.05	3	1.98	.01	.06	1
S 50-720011	7	53	9	230	3.1	79	15	208	3.31	9	5	ND	6	16	1	2	2	30	.10	.059	15	33	.44	137	.07	3	2.02	.01	.07	1
S 50-720012	11	50	17	194	1.6	110	13	586	3.70	12	5	ND	9	42	2	2	2	28	.30	.038	21	25	.30	96	.05	2	1.58	.01	.09	1
S 50-720013	3	17	16	248	.9	36	13	186	3.57	7	5	ND	7	22	1	2	2	41	.16	.089	18	29	.22	90	.05	3	2.35	.01	.06	1
S 50-720014	7	17	10	128	1.4	23	5	122	2.76	2	5	ND	10	7	1	4	2	28	.04	.072	27	15	.10	58	.03	2	1.44	.01	.03	1
S 50-731001	4	29	5	145	.9	38	9	383	2.74	3	5	ND	10	28	1	2	2	29	.34	.061	20	29	.53	73	.10	2	1.56	.01	.11	1
S 50-731002	2	18	7	116	.5	31	9	305	2.59	2	5	ND	11	23	1	2	2	30	.28	.051	22	32	.57	63	.09	4	1.61	.01	.11	1
S 50-731003	1	5	7	82	.1	15	4	122	1.46	2	5	ND	6	12	1	2	2	23	.15	.053	14	18	.23	46	.05	2	1.02	.01	.05	1
S 50-731004	4	31	11	124	.1	37	10	403	2.83	4	5	ND	10	15	2	2	2	29	.16	.063	20	28	.53	88	.06	2	1.58	.01	.16	1
S 50-731005	4	55	9	245	6.6	63	16	324	3.35	22	5	ND	7	10	1	2	2	22	.06	.109	13	23	.22	140	.03	4	2.26	.01	.07	1
S 50-731006	7	59	15	263	3.2	68	11	226	3.40	25	5	ND	7	9	1	2	2	22	.05	.111	14	21	.25	112	.02	3	1.48	.01	.06	1
S 50-731007	5	21	8	113	1.2	30	5	123	2.19	8	5	ND	6	8	1	2	2	28	.05	.061	16	20	.17	84	.04	2	1.08	.01	.05	1
S 50-731008	5	12	4	40	.8	15	2	55	1.19	2	5	ND	6	8	1	2	2	22	.05	.020	19	12	.05	35	.03	2	.62	.01	.02	1
S 50-731009	12	41	8	164	.6	55	9	308	2.99	14	5	ND	8	10	1	2	2	23	.07	.045	22	16	.26	80	.04	2	1.02	.01	.07	1
S 50-731010	3	20	9	121	1.0	29	8	870	2.12	3	5	ND	6	15	1	2	2	21	.21	.066	19	13	.11	55	.04	2	.95	.01	.04	1
S 50-731011	7	35	14	141	.9	36	7	242	3.41	9	5	ND	7	9	2	2	2	34	.06	.064	20	24	.27	68	.05	3	1.39	.01	.05	1
S 50-731012	4	29	15	162	.5	38	11	221	2.91	8	5	ND	11	10	1	2	3	29	.08	.033	28	26	.47	49	.06	2	1.59	.01	.04	1
S 50-731013	6	55	15	185	.6	52	12	235	5.23	15	5	ND	16	12	1	2	2	23	.07	.119	33	28	.44	71	.02	2	1.90	.01	.06	1
S 50-731014	5	54	11	185	1.8	59	13	312	3.22	9	5	ND	8	67	1	2	2	28	.81	.044	24	27	.36	107	.05	2	1.95	.01	.16	1
S 50-731015	6	13	11	72	.2	19	4	70	2.04	8	5	ND	11	9	1	2	2	26	.05	.038	34	10	.08	31	.01	2	.85	.01	.03	1
S 50-731016	6	26	15	123	.6	35	7	114	3.07	12	5	ND	10	10	1	2	2	24	.09	.061	23	18	.26	52	.02	2	1.15	.01	.04	1
S 50-731017	4	23	12	174	1.4	48	8	176	3.06	10	5	ND	8	33	1	2	2	31	.27	.026	21	38	.50	82	.05	2	1.78	.01	.10	1
S 50-731018	5	38	8	134	.8	52	11	341	3.05	10	5	ND	13	29	1	2	2	29	.27	.038	25	40	.62	94	.07	2	1.63	.02	.16	1
S 50-731019	4	42	16	233	1.1	68	13	490	3.96	13	5	ND	11	43	2	2	2	27	.35	.037	23	41	.61	88	.05	3	2.00	.01	.12	1
S 50-731020	4	18	13	154	.4	29	8	292	2.93	12	5	ND	12	11	1	3	2	23	.08	.048	32	17	.23	62	.02	2	1.36	.01	.05	1
S 50-731021	6	27	9	113	.8	28	8	190	3.40	6	5	ND	12	15	1	2	2	21	.09	.046	27	12	.13	45	.01	2	1.01	.02	.04	1
S 50-731022	20	66	12	165	1.1	82	12	530	4.96	9	5	ND	9	10	1	2	2	20	.07	.076	24	16	.22	67	.03	3	1.16	.01	.06	1
S 50-731023	7	28	16	143	1.6	37	7	315	2.93	10	5	ND	6	9	1	2	2	31	.07	.079	16	24	.23	87	.05	2	1.29	.01	.06	1
S 50-731024	12	78	13	250	5.1	77	9	230	3.74	17	5	ND	9	13	1	2	2	29	.03	.090	21	24	.20	173	.03	3	1.62	.01	.08	1
S 50-731025	5	18	7	82	.7	21	2	58	1.50	12	5	ND	8	6	2	2	2	27	.02	.047	26	14	.07	53	.01	2	.85	.01	.03	1
STD C	19	61	38	130	7.6	70	29	1041	4.04	40	22	8	40	52	18	18	20	60	.50	.088	39	62	.89	178	.09	38	1.95	.07	.14	13

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S 50-731026	5	39	16	166	2.3	28	5	84	2.12	18	5	ND	7	7	1	2	2	27	.04	.091	16	17	.12	87	.03	4	1.22	.01	.06	1
S 50-731027	6	49	13	224	.4	46	6	265	2.38	20	5	ND	9	17	1	2	2	27	.11	.049	22	18	.17	91	.03	2	.94	.01	.07	1
S 50-731028	7	24	13	157	.7	32	4	184	1.86	15	5	ND	7	16	2	2	2	32	.10	.058	19	18	.16	117	.05	2	1.02	.01	.07	1
S 50-731029	2	13	12	88	.4	27	6	190	1.63	2	5	ND	8	10	2	2	2	22	.13	.027	18	20	.37	77	.06	2	1.08	.01	.10	1
S 50-731030	1	11	9	87	.1	16	6	224	1.80	2	5	ND	8	9	1	2	2	24	.12	.028	16	24	.36	69	.08	2	1.39	.01	.11	1
S 50-731031	2	11	10	119	.1	22	6	325	1.70	2	5	ND	7	13	1	2	2	23	.14	.031	16	20	.33	70	.07	3	1.10	.01	.11	1
S 50-731032	3	23	13	99	.3	31	9	308	2.39	4	5	ND	9	29	1	3	2	27	.32	.044	26	28	.48	76	.07	2	1.29	.01	.11	1
S 50-731033	3	31	16	101	.6	29	9	372	2.26	3	5	ND	8	26	1	2	2	24	.29	.045	30	27	.47	68	.07	2	1.33	.01	.12	1
S 50-731034	2	11	12	74	.1	18	5	152	1.88	2	5	ND	3	9	1	2	2	24	.07	.023	11	21	.31	51	.06	2	.90	.01	.05	1
S 50-731035	2	34	10	86	.4	46	9	246	2.46	3	5	ND	10	30	1	2	2	23	.20	.060	21	26	.46	69	.09	4	1.44	.01	.09	1
S 50-731036	9	88	20	183	3.2	83	19	625	3.14	7	5	ND	6	54	4	2	2	39	.47	.059	58	46	.65	208	.08	2	2.78	.01	.32	1
S 50-731037	4	29	14	106	.6	39	8	320	2.60	4	5	ND	8	14	1	2	2	29	.16	.034	29	33	.54	82	.08	2	1.56	.01	.17	1
S 50-731038	1	5	4	37	.1	12	2	79	.98	2	5	ND	2	7	1	2	2	14	.09	.010	10	13	.22	36	.06	2	.72	.01	.07	1
S 50-731039	23	48	9	41	.4	27	4	1905	4.41	3	5	ND	3	197	1	2	2	12	2.98	.109	11	16	.49	110	.03	7	.79	.01	.09	1
S 50-731040	6	63	20	169	1.1	71	14	438	3.65	2	5	ND	10	69	1	2	2	42	.69	.068	38	49	.76	195	.12	2	2.91	.01	.31	1
S 50-731041	6	50	16	121	1.6	47	12	582	3.15	4	5	ND	7	48	1	2	2	31	.57	.058	43	34	.55	109	.09	4	1.80	.01	.19	1
S 50-731042	3	23	9	114	.2	33	10	326	2.52	2	5	ND	9	15	1	2	2	29	.20	.054	21	33	.53	70	.10	3	1.45	.01	.10	1
S 50-731043	3	29	16	124	1.1	36	9	430	2.50	2	5	ND	7	39	1	2	2	29	.45	.043	32	30	.51	124	.07	2	1.76	.01	.21	1
S 50-731044	2	10	8	75	.2	21	7	121	1.90	2	5	ND	7	9	2	2	2	22	.08	.021	11	23	.37	51	.06	2	1.44	.01	.09	1
S 50-731045	6	18	13	73	.8	29	8	672	2.37	3	5	ND	5	56	2	2	2	25	.65	.033	20	26	.49	67	.05	4	1.60	.01	.14	1
S 50-731046	3	29	15	225	.4	61	10	202	2.80	43	5	ND	8	18	1	2	2	24	.13	.049	21	22	.32	105	.06	2	1.47	.01	.10	1
S 50-731047	6	19	9	94	6.4	15	2	60	1.91	5	5	ND	6	5	2	2	2	26	.02	.075	13	16	.06	83	.05	4	1.64	.01	.03	1
S 50-731048	15	184	18	697	1.8	143	16	504	4.86	22	5	ND	9	15	3	2	2	23	.05	.154	20	19	.25	147	.03	2	1.33	.01	.11	1
S 50-731049	10	41	18	177	.5	38	6	165	2.99	17	5	ND	7	11	1	2	2	31	.04	.065	18	17	.14	98	.05	5	1.04	.01	.07	1
S 50-731050	13	91	10	245	1.3	71	6	179	2.29	38	5	ND	8	4	1	2	2	26	.01	.046	28	9	.04	51	.03	4	.49	.01	.03	1
S 50-731051	8	55	18	231	1.4	74	10	326	3.35	20	5	ND	8	10	1	3	2	28	.06	.112	19	27	.35	186	.04	2	1.81	.01	.08	1
S 50-731052	7	74	16	304	3.2	164	16	1112	3.34	33	5	ND	8	10	1	2	2	21	.03	.089	21	24	.23	128	.02	3	1.59	.01	.07	1
S 50-731053	4	21	7	74	.4	27	3	112	1.62	16	5	ND	5	25	1	2	2	18	.23	.027	21	9	.06	68	.02	4	.43	.01	.03	1
S 50-731054	3	11	15	99	.7	14	4	84	2.09	8	5	ND	4	6	1	2	2	30	.06	.037	10	15	.15	66	.04	2	1.03	.01	.02	1
S 50-731055	9	36	13	166	.2	47	8	203	3.26	14	5	ND	5	11	1	2	2	22	.13	.094	13	18	.22	67	.03	3	.98	.01	.04	1
S 50-731056	7	52	19	236	1.2	79	15	466	5.09	13	5	ND	14	49	2	3	2	23	.36	.044	35	23	.33	69	.02	2	1.56	.01	.08	1
S 50-731057	5	25	18	230	1.1	51	11	199	3.28	5	5	ND	10	33	2	2	2	29	.25	.042	24	28	.31	97	.05	4	1.92	.01	.09	1
S 50-731058	8	73	26	231	2.8	77	13	623	3.79	12	5	ND	6	114	3	3	2	31	1.27	.056	23	36	.39	168	.06	5	2.37	.02	.20	1
S 50-731059	6	34	19	142	.4	43	10	189	3.80	48	5	ND	13	22	1	2	2	27	.14	.076	37	26	.39	71	.03	2	1.43	.01	.07	2
S 50-731060	8	44	14	170	.3	56	10	173	3.94	12	5	ND	13	13	1	3	2	26	.08	.099	35	23	.35	53	.02	5	1.28	.01	.07	1
S 50-731061	8	37	6	121	.2	42	8	122	4.42	4	5	ND	17	8	1	2	2	15	.04	.037	50	6	.07	26	.01	2	.59	.01	.03	1
S 50-731062	7	11	13	113	.4	22	5	196	2.40	2	5	ND	10	28	2	3	2	21	.35	.024	31	9	.06	40	.01	2	.68	.01	.03	1
S 50-731063	12	21	15	118	.2	36	7	231	3.65	9	5	ND	9	7	1	2	2	27	.03	.056	23	9	.07	33	.01	2	.78	.01	.03	1
S 50-731064	8	78	28	237	3.0	68	14	3197	3.78	10	5	ND	3	58	2	2	2	23	.49	.230	12	23	.18	209	.02	3	1.29	.01	.05	1
STD C	20	62	39	132	7.0	73	30	1064	4.03	42	23	7	41	53	19	18	22	61	.51	.092	41	62	.91	181	.09	34	1.89	.07	.14	11

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S 50-731065	1	10	2	53	.7	17	2	132	1.02	2	5	ND	9	5	2	2	2	14	.05	.020	27	8	.04	31	.01	4	.54	.01	.02	1
S 50-731066	6	34	2	123	1.8	43	3	46	1.80	41	5	ND	6	6	1	5	2	24	.02	.026	19	8	.04	47	.02	2	.46	.01	.02	1
S 50-731067	10	86	19	196	2.4	52	5	83	2.77	30	5	ND	7	13	2	6	2	31	.03	.110	19	20	.06	100	.03	2	.96	.01	.03	1
S 50-731068	6	8	5	29	.3	9	2	63	1.38	10	5	ND	7	7	2	4	2	26	.04	.026	26	8	.04	57	.02	2	.63	.01	.02	1
S 50-731069	6	36	13	196	.6	49	11	178	2.76	5	5	ND	9	10	2	2	2	25	.09	.094	15	28	.37	103	.06	2	1.93	.01	.10	1
S 50-731070	6	25	8	97	.5	48	9	300	2.55	3	5	ND	9	12	1	2	2	24	.08	.050	17	25	.41	97	.07	2	1.68	.01	.10	1
S 50-731071	1	13	3	81	.2	24	7	141	2.00	2	5	ND	9	10	1	2	2	23	.12	.050	19	26	.47	57	.08	2	1.64	.01	.11	1
S 50-731072	2	15	3	80	.1	22	7	188	2.08	2	5	ND	8	9	2	2	2	23	.15	.042	15	23	.46	75	.06	2	1.40	.01	.13	1
S 50-731073	2	12	5	69	.1	20	5	152	1.75	2	5	ND	6	12	1	2	2	21	.13	.018	14	18	.38	54	.05	2	1.10	.01	.09	1
S 50-731074	1	6	5	66	.1	14	4	101	1.35	2	5	ND	4	8	1	2	2	17	.08	.029	11	15	.26	32	.04	2	.78	.01	.05	1
S 50-731075	1	17	5	86	.4	26	9	180	2.20	2	5	ND	9	10	1	2	2	26	.12	.044	14	27	.46	87	.09	2	1.77	.01	.14	1
S 50-731076	5	26	7	121	.3	29	8	377	2.48	2	5	ND	5	13	2	2	2	23	.14	.042	17	22	.46	67	.04	2	1.38	.01	.07	1
S 50-731077	3	13	6	86	.9	21	6	200	2.15	2	5	ND	4	8	1	2	2	25	.08	.031	13	23	.36	78	.07	2	1.56	.01	.12	1
S 50-731078	3	26	9	87	.3	32	8	457	2.21	3	5	ND	8	23	1	2	2	23	.34	.051	24	26	.46	69	.07	2	1.21	.01	.16	1
S 50-731079	3	17	3	75	.4	15	8	599	1.55	2	5	ND	2	17	1	2	2	22	.22	.034	15	16	.23	69	.06	2	.84	.01	.08	1
S 50-731080	3	37	5	112	.6	39	8	380	2.31	2	5	ND	6	29	1	2	3	23	.49	.052	29	25	.48	75	.06	2	1.34	.01	.17	1
S 50-731081	7	19	6	73	1.5	19	4	192	1.52	3	5	ND	2	13	1	2	2	20	.11	.035	14	14	.13	51	.04	3	.43	.01	.04	1
S 50-731082	7	39	15	139	.7	39	10	412	3.34	4	5	ND	9	30	1	2	2	25	.35	.046	33	24	.45	76	.05	2	1.33	.01	.13	1
S 50-731083	5	37	9	118	.6	36	9	277	2.72	4	5	ND	7	22	3	2	2	25	.24	.037	25	26	.44	82	.06	2	1.36	.01	.11	1
S 50-731084	3	19	6	80	.3	29	7	291	2.18	2	5	ND	7	17	1	2	2	22	.22	.032	21	25	.46	58	.05	2	1.18	.01	.09	1
S 50-731085	3	19	4	72	.2	29	9	334	2.26	2	5	ND	9	15	2	2	2	25	.24	.044	30	34	.55	55	.07	4	1.38	.01	.13	1
S 50-731086	2	18	7	70	.2	24	9	434	2.07	2	5	ND	7	14	1	2	2	25	.16	.024	25	25	.46	60	.07	2	1.37	.01	.13	1
S 50-731087	3	10	7	68	.2	15	4	108	1.93	2	5	ND	5	7	1	2	2	30	.06	.019	14	20	.28	55	.08	2	1.12	.01	.08	1
S 50-731088	1	9	3	72	.4	17	5	127	2.31	2	5	ND	7	6	1	2	2	30	.11	.052	15	25	.44	62	.07	2	1.49	.01	.09	1
S 50-731089	3	22	9	114	.6	32	7	166	2.39	2	5	ND	8	9	1	2	2	28	.08	.028	14	27	.45	85	.07	2	1.73	.01	.10	1
S 50-731090	6	48	10	174	.5	61	14	307	3.19	5	5	ND	13	12	1	2	2	28	.11	.055	21	32	.57	111	.07	2	2.45	.01	.17	1
S 50-731091	4	31	5	112	.3	34	8	213	2.37	4	5	ND	9	12	1	2	2	23	.19	.045	16	23	.37	51	.06	2	1.47	.01	.10	1
S 50-731092	2	26	9	79	.1	29	9	268	2.54	2	5	ND	8	14	1	2	2	29	.15	.042	15	30	.57	56	.08	2	1.55	.01	.12	1
S 50-731093	3	11	9	76	.2	14	4	78	2.14	2	5	ND	5	6	1	2	2	21	.05	.068	9	16	.26	42	.03	2	1.09	.01	.03	1
S 50-731094	2	18	5	71	.3	28	9	253	2.39	2	5	ND	10	12	1	2	2	27	.19	.047	23	31	.61	70	.08	2	1.59	.01	.17	1
S 50-731095	2	16	8	67	.2	20	5	104	2.37	2	5	ND	5	5	1	2	2	25	.07	.040	11	25	.41	65	.05	2	1.70	.01	.10	1
S 50-731096	3	29	11	102	.5	37	9	435	2.65	2	5	ND	9	21	1	2	2	29	.28	.037	32	40	.65	65	.06	2	1.63	.01	.14	1
S 50-731097	3	14	2	88	.4	27	7	214	2.04	2	5	ND	7	10	1	2	2	24	.13	.018	20	33	.48	40	.06	2	1.18	.01	.06	1
S 50-731098	5	34	7	119	.5	44	12	447	3.15	5	5	ND	11	33	2	2	2	34	.49	.057	28	48	.79	93	.07	2	1.86	.02	.25	1
S 50-731099	3	24	10	95	.4	36	9	370	2.41	4	5	ND	11	21	1	2	2	24	.29	.050	24	35	.54	58	.06	2	1.33	.02	.15	1
S 50-731100	5	52	15	137	.3	52	14	510	3.50	5	5	ND	14	25	1	2	2	35	.31	.062	31	44	.80	92	.09	2	1.92	.02	.34	1
S 50-731101	6	37	9	171	1.5	49	11	448	2.84	3	5	ND	10	23	3	2	2	25	.23	.038	25	30	.48	73	.05	4	1.41	.01	.10	1
S 50-731102	8	62	13	180	1.0	61	14	400	3.60	6	5	ND	14	18	2	2	2	28	.15	.036	30	36	.62	93	.05	2	1.66	.01	.15	1
S 50-731103	8	41	15	179	.8	59	11	289	2.98	6	5	ND	8	16	1	2	2	25	.13	.040	20	25	.42	101	.03	2	1.55	.01	.07	1
STD C	19	61	40	131	7.3	67	29	1048	3.89	39	21	8	41	53	18	17	21	60	.50	.089	40	61	.90	180	.09	37	1.94	.07	.14	13

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S 50-731104	7	25	14	115	.4	32	5	163	3.33	6	5	ND	8	6	1	2	2	30	.06	.130	16	31	.39	56	.04	2	1.35	.01	.08	1
S 50-731105	7	32	7	131	5.5	41	11	212	3.00	3	5	ND	8	8	1	2	2	26	.06	.039	19	34	.48	79	.04	2	1.63	.01	.08	1
S 50-731106	5	23	13	165	.7	35	7	144	3.00	4	5	ND	8	9	1	2	2	27	.06	.044	20	26	.38	103	.04	2	1.59	.01	.08	1
S 50-731107	8	35	13	228	2.0	56	7	159	4.10	7	5	ND	9	11	1	2	2	35	.05	.079	20	28	.26	146	.03	3	1.72	.01	.09	1
S 50-731108	16	26	23	268	2.6	63	9	276	2.99	5	5	ND	4	39	1	2	2	38	.28	.032	15	21	.15	148	.02	2	1.82	.01	.06	1
S 50-731109	21	28	18	169	.7	47	9	119	4.88	4	5	ND	8	18	1	2	2	34	.07	.054	22	14	.07	74	.02	3	1.10	.01	.03	1
S 50-731110	7	43	20	242	1.2	53	10	183	3.53	7	5	ND	8	15	1	2	2	40	.08	.063	21	26	.21	188	.03	3	1.93	.01	.09	1
S 50-731111	4	11	12	89	.2	15	3	117	2.63	4	5	ND	8	8	1	2	2	42	.04	.090	25	20	.13	80	.03	2	1.37	.01	.05	1
S 50-731112	33	44	56	788	1.0	124	10	796	4.47	9	5	ND	8	92	6	3	2	104	.66	.094	23	24	.08	164	.01	4	1.63	.01	.06	1
S 50-731113	27	45	24	412	.6	100	12	253	5.56	7	5	ND	7	29	1	2	2	37	.08	.102	17	14	.06	146	.01	3	1.19	.01	.04	1
S 50-731114	9	52	11	349	2.7	146	14	374	3.39	10	5	ND	6	26	1	2	2	25	.19	.042	19	22	.26	130	.02	2	1.65	.01	.07	1
S 50-731115	9	100	20	411	9.1	157	22	1002	4.54	18	5	ND	6	36	2	2	2	31	.33	.184	23	33	.30	250	.02	3	2.87	.01	.15	1
S 50-731116	10	123	20	392	14.4	126	9	736	3.56	12	5	ND	3	87	6	2	2	23	1.06	.071	17	19	.30	160	.02	2	1.30	.01	.11	1
S 50-731117	4	13	7	64	2.8	15	2	67	1.73	13	5	ND	6	5	1	2	2	28	.01	.046	20	15	.11	45	.02	5	.76	.01	.03	1
S 50-731118	1	8	2	31	.7	17	2	79	1.14	2	5	ND	6	4	1	2	2	20	.04	.013	20	15	.06	59	.01	2	.82	.01	.03	1
S 50-731119	16	32	15	162	1.1	34	4	94	2.85	10	5	ND	7	11	1	2	2	39	.06	.133	19	17	.15	77	.02	2	.89	.01	.04	1
S 50-731120	10	64	15	189	.5	56	7	151	3.98	15	5	ND	9	12	1	2	2	26	.04	.058	23	26	.38	89	.02	4	1.28	.01	.07	1
S 50-731121	22	103	20	201	.7	44	5	130	3.81	11	5	ND	6	10	1	2	2	35	.02	.081	22	14	.10	80	.02	2	.66	.01	.03	1
S 50-731122	7	45	22	162	1.1	56	13	272	4.41	9	5	ND	12	12	1	2	2	31	.11	.118	18	40	.55	78	.04	6	2.37	.01	.10	1
S 50-731123	4	17	12	101	1.2	26	7	123	2.87	2	5	ND	6	10	1	2	2	29	.08	.033	14	32	.36	74	.04	5	1.65	.01	.08	1
S 50-731124	4	16	8	110	.4	30	10	335	2.71	2	5	ND	6	13	1	2	2	27	.18	.047	14	34	.59	43	.04	2	1.30	.01	.07	1
S 50-731125	5	25	6	93	.5	49	8	1259	2.63	2	5	ND	7	16	1	2	2	24	.19	.027	22	35	.55	62	.05	2	1.48	.01	.13	1
S 50-731126	4	18	8	81	.3	30	8	318	2.43	2	5	ND	8	10	1	2	2	23	.14	.030	18	36	.49	41	.05	2	1.19	.01	.09	1
S 50-731127	4	18	7	90	.3	34	9	254	2.52	2	5	ND	8	13	1	2	2	25	.18	.033	21	41	.55	42	.06	2	1.22	.01	.09	1
S 50-731128	2	14	4	51	.2	23	7	191	2.31	2	5	ND	7	9	1	2	3	25	.13	.033	15	32	.57	51	.06	2	1.38	.01	.11	1
S 50-731129	5	36	10	115	.6	45	13	410	4.14	5	5	ND	11	19	1	2	2	31	.30	.060	49	38	.63	82	.07	4	1.78	.01	.21	1
S 50-731130	3	14	5	92	.9	23	6	162	2.43	3	5	ND	6	8	1	2	2	22	.11	.034	13	22	.44	54	.06	2	1.36	.01	.09	1
S 50-731131	3	34	6	111	.9	44	10	488	2.93	2	5	ND	8	22	1	2	2	25	.34	.044	33	34	.62	64	.05	2	1.42	.01	.14	1
S 50-731132	3	29	9	81	.5	34	9	381	2.65	2	5	ND	8	15	1	2	2	26	.20	.031	30	30	.60	63	.06	3	1.46	.01	.15	1
S 50-731133	3	19	7	67	.2	26	7	226	2.43	2	5	ND	8	11	1	2	2	25	.13	.019	18	26	.51	58	.07	2	1.45	.01	.13	1
S 50-731134	3	13	8	74	.1	20	7	162	2.48	2	5	ND	4	8	1	2	2	24	.11	.039	10	24	.41	52	.05	2	1.29	.01	.10	1
S 50-731135	2	12	5	61	.2	18	5	151	2.01	2	5	ND	6	7	1	2	3	21	.08	.020	14	22	.40	40	.06	3	1.22	.01	.09	1
S 50-731136	2	16	13	82	.4	25	7	158	2.52	2	5	ND	9	9	1	2	2	25	.09	.039	15	28	.50	60	.06	2	1.78	.01	.10	1
S 50-731137	2	15	7	79	.1	25	7	191	2.21	2	5	ND	7	8	1	2	2	21	.08	.017	14	24	.43	57	.06	2	1.37	.01	.09	1
S 50-907001	2	12	9	85	.2	29	6	107	3.04	2	5	ND	6	6	1	2	2	26	.08	.042	12	26	.40	85	.06	2	1.99	.01	.09	1
S 50-907002	3	28	11	88	.2	38	9	400	2.84	3	5	ND	8	27	1	2	2	27	.36	.050	23	34	.60	90	.07	2	1.53	.01	.23	1
S 50-907003	7	27	12	117	.5	43	13	281	3.01	3	5	ND	8	14	1	2	2	25	.15	.036	17	37	.57	57	.05	5	1.56	.01	.10	1
S 50-907004	3	25	10	77	.1	35	10	266	2.64	3	5	ND	10	9	1	2	2	24	.14	.048	22	35	.59	46	.05	3	1.31	.01	.13	1
S 50-907005	3	22	10	79	.2	34	10	203	2.64	2	5	ND	7	7	1	2	2	24	.12	.044	16	36	.59	45	.05	2	1.36	.01	.10	1
STD C	19	60	39	125	7.4	68	28	1005	4.12	38	22	8	38	50	16	17	19	58	.48	.087	38	60	.85	172	.08	37	1.86	.06	.14	14

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S 50-907006	5	28	12	97	.7	52	12	139	2.94	5	5	ND	11	6	2	2	2	25	.06	.037	12	41	.52	71	.04	3	1.82	.01	.09	3
S 50-907007	4	37	11	153	1.0	51	9	196	2.82	2	5	ND	9	13	2	2	2	25	.10	.058	12	33	.40	71	.05	3	1.63	.01	.10	1
S 50-907008	4	25	13	180	1.1	40	10	134	3.42	3	5	ND	7	9	1	2	2	31	.07	.074	9	28	.34	74	.06	2	2.03	.01	.05	1
S 50-907009	4	35	12	250	2.0	95	10	664	2.81	4	5	ND	7	30	4	2	2	25	.28	.025	14	31	.50	98	.08	5	1.68	.01	.08	1
S 50-907010	5	56	14	227	4.0	111	12	214	3.59	31	5	ND	6	14	1	2	2	19	.07	.058	13	24	.25	89	.02	3	1.53	.01	.04	1
S 50-907011	5	25	11	113	2.1	32	5	136	2.71	6	5	ND	4	16	1	2	2	21	.09	.058	14	17	.13	117	.02	2	1.02	.01	.03	1
S 50-907012	9	27	7	106	.1	35	6	108	2.94	6	5	ND	6	6	1	2	2	17	.03	.046	15	13	.15	54	.01	2	.91	.01	.02	1
S 50-907013	5	43	18	175	2.6	95	21	764	4.62	6	5	ND	7	89	1	2	2	23	.90	.100	14	25	.22	116	.02	2	3.89	.01	.06	1
S 50-907014	21	20	15	147	.2	54	7	127	3.33	10	5	ND	2	8	1	2	2	20	.05	.039	8	5	.03	92	.01	2	.55	.01	.01	1
S 50-907015	7	30	20	282	1.3	53	11	167	4.59	8	5	ND	6	14	2	2	2	25	.10	.107	11	20	.23	106	.02	2	1.62	.01	.05	1
S 50-907016	29	42	20	283	1.0	91	11	121	3.91	7	5	ND	4	4	1	2	2	13	.02	.047	11	4	.03	25	.01	3	.43	.01	.01	1
S 50-907017	19	24	13	152	.7	45	6	153	3.44	4	5	ND	5	4	1	2	2	15	.01	.030	11	7	.06	38	.01	3	.65	.01	.01	1
STD C	19	60	41	127	7.2	68	28	1022	4.18	39	21	8	39	51	18	18	21	59	.47	.086	38	59	.88	173	.08	37	1.94	.06	.13	13