

MAP NO.: ASSESSMENT REPORT X

DOCUMENT NO: 093098

116 C 02

PROSPECTUS

MINING DISTRICT: Dawson

CONFIDENTIAL X

TYPE OF WORK: Geochemical and  
Geophysical Surveys

OPEN FILE

REPORT FILED UNDER: YGC Resources Ltd.

DATE PERFORMED: June 14, August 20 - 28 and  
Sept. 2 - 4, 1993

DATE FILED: May 7, 1993

LOCATION: LAT.: 64°07'N  
LONG.: 140°56'W

AREA: Sixtymile  
VALUE \$: 7,500.00

CLAIM NAME & NO.: Bal 7 - 18 YB41400 - YB41411, Pub 1 - 6 YB30605 - YB30610,  
Pub 7 - 30 YB41412 - YB41435.

WORK DONE BY: R. C. Carne, M.Sc. P.Geo.

WORK DONE FOR: YGC Resources Ltd.

DATE TO GOOD STANDING:


RFMARKS: # 116 C - Sixtymile Area

The company collected 319 soil samples in order to confirm earlier results by previous companies. Two areas returned multi-element anomalies which are believed to be related to a Permian-aged stratiform volcanic exhalite horizon. Except for a slumped in outcrop located in a stream cut no mineralized outcrop has been discovered. The highest assays were 700 ppm Pb, 50 - 75 ppm Zn and 25 - 100 ppm Cu. An small HLEM survey returned a single weak conductor that could not be associated with any geochemical anomaly.

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET, VANCOUVER, B.C. V6B 1L8 TEL (604) 688 - 2568 • FAX (604) 688 - 2578

SUMMARY REPORT

on

1992 EXPLORATION

BAL AND PUB CLAIMS

DAWSON MINING DISTRICT

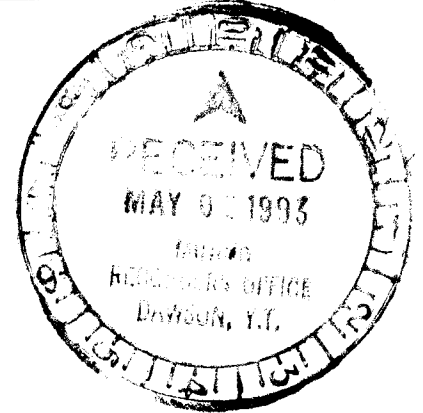
BAL 1-6 CLAIMS - YB30599-YB30604  
BAL 7-18 CLAIMS - YB41400-YB41411  
PUB 1-6 CLAIMS - YB30605-YB30610  
PUB 7-30 CLAIMS - YB41412-YB41435

Latitude 64°07' North; Longitude 140°56' West

NTS 116C/2

for

YGC RESOURCES LTD.



093098

093098

R.C. Carne, M.Sc., P.Geo.

April, 1993

Work performed in June, August and September, 1992

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 7,500.00.

*Robert Dehler*

*for* Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

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7	Copper Geochemistry (1:10,000 scale) .....	In Pocket

SUMMARY AND RECOMMENDATIONS

The forty-eight claim Bal-Pub property is located immediately north of the Top of the World Highway along the Alaska border in west-central Yukon Territory. The property was staked by YGC Resources Ltd. to cover previously outlined multi-element geochemical anomalies that coincide with a Permian-aged stratiform volcanic exhalite horizon. Float mineralization consisting of disseminated sphalerite, galena and chalcopyrite in a siliceous matrix has been discovered in one area of the property. The mineralization is unusual in the relatively high grade of base metals and silver despite its "distal volcanogenic" character.

Additional exploration of the property should consist of thorough prospecting and hand pitting or excavator trenching of the most promising geochemical targets. This should be followed up with five to ten short diamond drill holes.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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

R.C. Carne, P.Geo.

/mc

INTRODUCTION

The Bal 1-6 and Pub 1-6 claims were staked in June, 1990 by YGC Resources Ltd. The claims were acquired to cover previously outlined lead-zinc-silver geochemical anomalies associated with stratabound volcanogenic sphalerite-galena-pyrite mineralization.

The 1992 field program described in this report was funded by Kennecott Canada Inc. under the provisions of an option agreement with YGC Resources. Work included property-wide soil sampling, prospecting and geological mapping as well as orientation Max-Min I-9 geophysical surveys in the southwest part of the property.

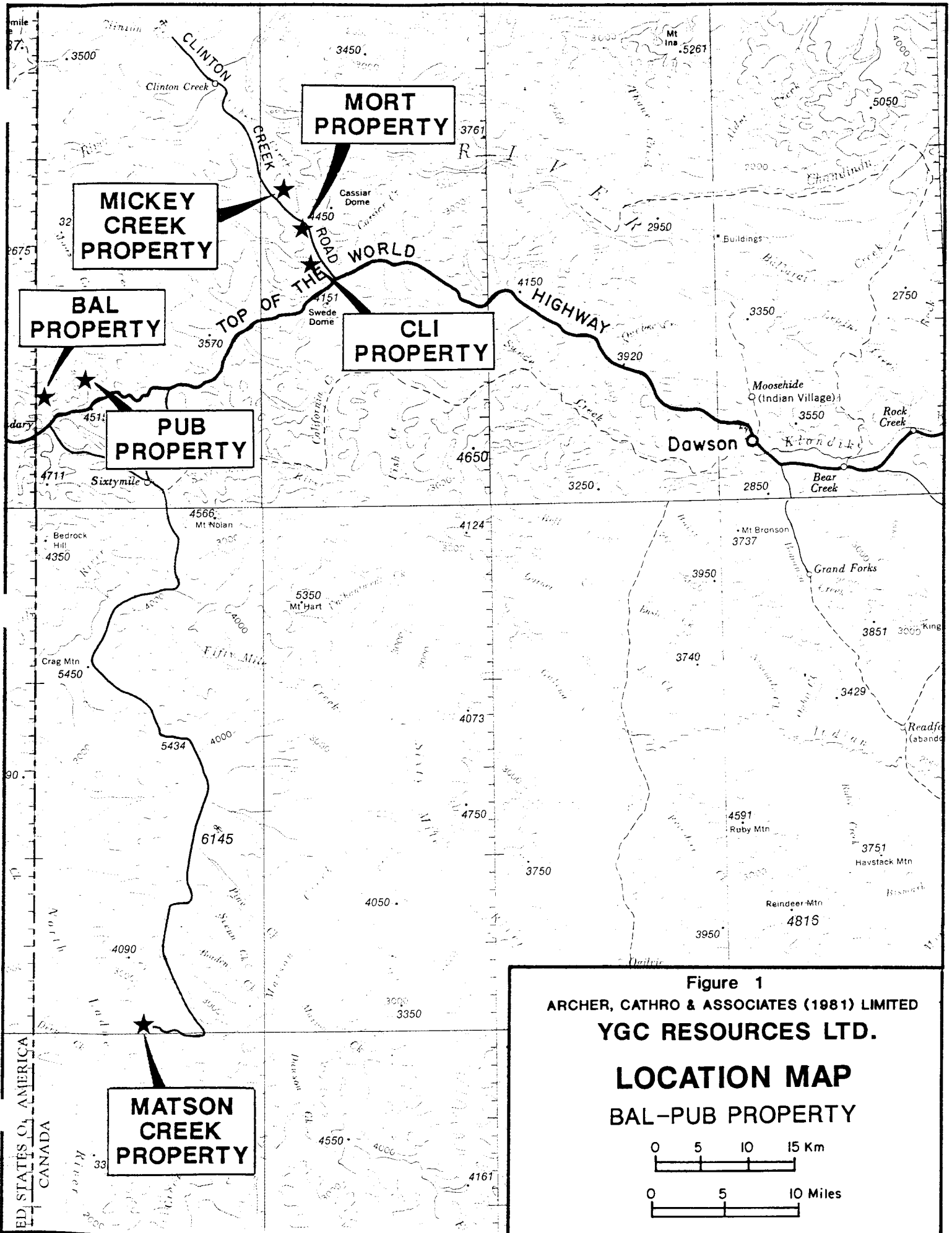
PROPERTY, LOCATION AND ACCESS

The Bal-Pub property lies in west-central Yukon about 2 km north of the Top of the World Highway at the Alaska-Yukon border crossing and about 72 km west of Dawson City (Figure 1). Access for the 1992 field work was by four-wheel drive vehicle along a dirt road which crosses the property in a north-south direction.

The property consists of 48 claims registered with the Dawson Mining Recorder in the name of Archer, Cathro as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Bal 1-6	YB30599-YB30604	March 4, 1996
7-18	YB41400-YB41411	March 4, 1995
Pub 1-6	YB30605-YB30610	March 4, 1995
7-30	YB41412-YB41435	March 4, 1995

Claim locations are shown on Figure 2.



**Figure 1**  
**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**YGC RESOURCES LTD.**  
**LOCATION MAP**  
**BAL-PUB PROPERTY**

0 5 10 15 Km  
 0 5 10 Miles

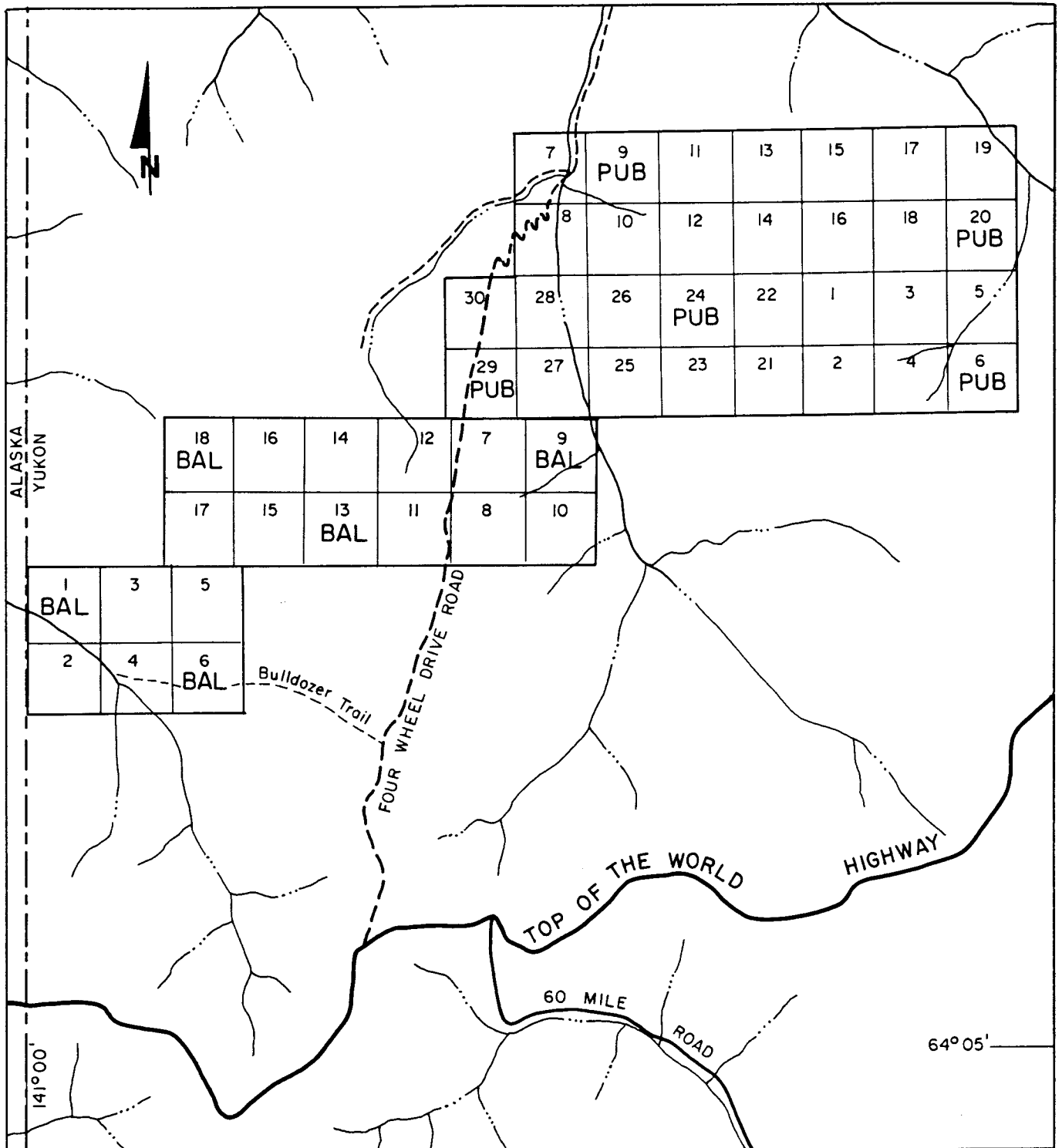
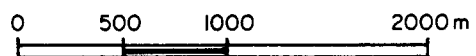


Figure 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**  
**BAL-PUB PROPERTY**

YGC RESOURCES LTD.

NTS 116C/2



April, 1993

### HISTORY AND PREVIOUS WORK

The Bal claims were originally staked and explored by Cominco Limited which carried out prospecting and geochemical sampling in 1980. The Pub claims overlie part of a larger area in which prospecting, geological mapping and geochemical sampling were carried out by Moose Creek Exploration Ltd. in 1977 and 1978. YGC Resources Ltd. explored the current property area with geochemical sampling and prospecting in 1990.

### GEOMORPHOLOGY

Topography on the Bal-Pub claims is subdued with elevations ranging from 790 to 1130 m. The area is lightly vegetated with scrub black spruce, willow and dwarf birch above a ground cover of grasses, sedges and low growing deciduous shrubs. Treeline is about 925 m elevation. Overburden cover is thin but spotty bedrock exposures are limited to ridge crests and creek beds. Because the area is unglaciated, most of the property is mantled by soliflucted colluvium mixed with residual mineral soil that is capped by a thin layer of organic-rich soil and recent volcanic ash. Permafrost is probably relatively continuous.

GEOLOGY

The Bal-Pub claims are located within a northerly-dipping, 2000 m thick sequence of metavolcanic rocks informally named the Klondike Schist (Figure 3). Lithologies consist of pyritic quartz-muscovite schist, quartz and/or feldspar augen schist and chloritic schist with minor graphitic quartz-muscovite schist intervals. In general, there is a bimodal lithologic character with dominantly chloritic rocks at the structural base of the unit succeeded by mostly sericitic rocks toward the top. This is interpreted as a mafic to intermediate volcanic sequence succeeded by felsic volcanism. An Upper Permian zircon age date was determined by J.K. Mortensen of the GSC in 1990 from a sample of quartz-augen muscovite schist collected 2 km west of the property.

Compositional layering dips about 25° to the northwest, parallel with bounding thrust faults that separate the Klondike Schist sequence from Devonian to Mississippian Nasina Series graphitic quartzite and quartz-muscovite schist. Erosional remnants of Late Cretaceous Carmacks Volcanics andesite flows with minor clastic sedimentary rocks unconformably overlie the metamorphic rocks at higher elevations east of the property.

MINERALIZATION

Disseminated sphalerite, galena and chalcopryrite with minor pyrite occur in a relatively fine-grained, compact siliceous interval within the schists at approximately the contact between chloritic and sericitic members of the Klondike Schist in the bed of Hall Creek in the west part of the property. The mineralization was discovered by Cominco in 1980 and relocated by J.K. Mortensen of the GSC in 1989 in a placer miner's test pit. This exposure was covered by alluvium at the time of the 1990-1992 exploration. The old Cominco grid was relocated in 1991 and the best part of the geochemical anomaly was carefully prospected but due to deep weathering and overburden cover no mineralization was discovered to explain the geochemical response. Poorly exposed stratiform mineralization was located in slumped creek bank exposures downstream of the main geochemical anomaly. Samples of the discovery zone collected by Mortensen were submitted for analysis by YGC along with rock samples collected from other nearby zones in 1990 and 1991. Results are summarized below.

TABLE I  
SUMMARY OF ROCK SAMPLE ANALYSES

<u>Sample Number</u>	<u>Pb%</u>	<u>Zn%</u>	<u>Cu%</u>	<u>Ag (g/t)</u>	<u>Au (ppb)</u>	<u>Description</u>
E42722	3.43	8.09	0.20	41.0	195	banded diss gl-sp-py in QZ-SE SHST
E42723	1.00	3.43	0.12	11.2	70	mod diss gl-sl in QZ-SE SHST
T29891	0.72	0.08	0.04	16.4	---*	minor diss gl in SE-CL SHST
T29892	0.20	0.03	0.04	3.4	---*	minor diss gl-py in CL SHST
T29893	2.44	5.64	0.44	33.8	---*	banded diss gl-sl-py in QZ-SE SHST
T29894	1.41	2.65	0.29	23.2	---*	diss gl-sl-py in QZ-SE SHST

\*1991 samples were not analyzed for gold.

The galena, sphalerite and chalcopryrite-bearing siliceous intervals are probably part of a metamorphosed volcanogenic exhalite deposit. Lead isotope analysis of galena from the mineralized interval carried out by J.K. Mortensen yields a Middle to Upper Permian model age, concordant with age of the host rocks.

Disseminated sphalerite, galena and chalcopyrite with minor pyrite are reported to occur in siliceous schist at the approximate contact between chloritic and sericitic members of the Klondike Schist on the Pub claims, approximately 3 km along strike to the east of the Hall Creek occurrence. The location of the Pub mineralization discovered by Moose Creek in 1978 is not reported.

The Bal-Pub property lies about 4 km northeast of, and along strike with, the Boundary Prospect in Alaska. Little information is publicly available on the Boundary showing although it is known that the volcanogenic massive sulphide mineralization received extensive diamond drilling in the late 1970's.

## GEOCHEMISTRY

Approximately 1000 grid soil samples were collected from the Bal-Pub area by Moose Creek, Cominco and YGC in 1977, 1978, 1980 and 1990. An additional 319 grid soil samples were collected in 1992 between the original Bal and Pub grids. Sample locations are plotted on Figure 4.

The 1992 soil samples were collected in pre-numbered Kraft paper bags and sent to Chemex Labs Ltd. in North Vancouver, B.C. where they were prepared by drying and sieving to minus 80 mesh. Thirty-two element analysis, including those for all the major base metals and silver, were carried out on nitric acid-aqua regia digestion of two gram samples with induced coupled plasma (ICP) determination. The 1992 analytical certificates are reproduced in Appendix III.

Soil samples were optimally collected from the B Horizon although soil profiles in the area are not sufficiently developed to be relatively differentiated. Most samples were probably taken from soliflucted mineral soils which include both B and C Horizons.

The Bal-Pub property lies within an unglaciated part of the Yukon. Although overburden cover is relatively light, deep weathering has resulted in leaching of mobile metals, such as copper and zinc, from near surface bedrock and soils. Relatively immobile elements, such as lead, generally reflect geochemical dispersion characteristics similar to unglaciated terranes, regardless of the degree of weathering and oxidation.

Results of all five geochemical surveys are compiled at 1:10,000 scale on Figures 5, 6 and 7 for lead, zinc and copper, respectively. Contour intervals were established based on the results of statistical analyses of the 1978 exploration data by Moose Creek Exploration.

Two areas of multi-element geochemical response are present on the Pub claims. Lead is the most anomalous element with many values in the 100 to 200 ppm

range against a background of 10 to 25 ppm. Anomalous zinc values are in the range of 100 to 200 ppm with background values of 50 to 75 ppm. Anomalous copper values vary between 25 to 100 ppm against a background of 10 to 15 ppm.

A 1.3 km long, 100 to 500 m wide multi-element geochemical anomaly occurs along the west side of the Bal claims. Lead values have the highest contrast with many values in the 100 to 200 ppm range against a background to 10 to 25 ppm. Two samples contained in excess of 700 ppm Pb. Anomalous zinc values are in the range of 50 to 75 ppm. Anomalous copper values vary between 25 to 100 ppm against a background of 10 to 15 ppm.

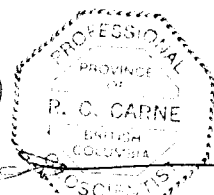
The known "distal volcanogenic" float occurrences on the Bal claims coincide with moderate strength parts of the anomaly. No mineralization has yet been discovered to explain the best part of the zone. Anomalous areas outlined by grid soil sampling on the Pub claims lie along and downslope of the on-strike extrapolation of stratiform mineralization on the Bal claims.

APPENDIX I  
AUTHOR'S STATEMENT OF QUALIFICATIONS

CERTIFICATE

I, Robert C. Carne, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Burnaby, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1974 with a B.Sc. and in 1979 with an M.Sc. majoring in Geological Sciences.
2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration number 19868).
3. From 1974 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981 became a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

  
Robert C. Carne, M.Sc., P.Geo.

APPENDIX II  
LIST OF PERSONNEL

LIST OF 1992 PERSONNEL

R. Carne	June 14, August 20-22
K. Owerko	June 14, August 20-22, 26-29, September 2-4
N. Tempelman-Kluit	August 20, 21, 22, 24
M. Baknes	June 14, August 20
S. de Wit	August 20-22, 24, 26-28, September 2-4

APPENDIX III  
ANALYTICAL CERTIFICATES



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

Project : KLONDDIKE (BAL)  
 Comments:

Page 1 of 1-A  
 Total Pages : 5  
 Certificate Date: 19-SEP-92  
 Invoice No. : 19221240  
 P.O. Number :  
 Account : F

## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T 16089	201 229	< 0.2	1.36	8	120	< 0.5	< 2	0.25	< 0.5	5	19	6	1.88	< 10	< 1	0.20	20	0.53	225	< 1
T 16090	201 229	< 0.2	1.04	6	100	< 0.5	< 2	0.09	< 0.5	2	13	8	1.46	< 10	< 1	0.13	70	0.36	140	< 1
T 16091	201 229	0.6	1.44	4	200	< 0.5	< 2	0.13	< 0.5	3	20	12	1.80	10	< 1	0.11	80	0.40	175	< 1
T 16092	201 229	< 0.2	0.98	6	130	< 0.5	< 2	0.10	< 0.5	1	12	10	1.16	< 10	< 1	0.09	40	0.49	105	< 1
T 16093	201 229	< 0.2	1.09	2	80	< 0.5	< 2	0.11	< 0.5	2	16	6	1.25	< 10	< 1	0.07	20	0.43	115	< 1
T 16094	201 229	< 0.2	1.40	2	150	< 0.5	< 2	0.15	< 0.5	2	17	10	1.40	< 10	< 1	0.09	40	0.58	130	< 1
T 16095	201 229	< 0.2	1.28	4	110	< 0.5	< 2	0.14	< 0.5	2	17	8	1.48	< 10	< 1	0.08	20	0.49	125	< 1
T 16096	201 229	< 0.2	1.24	2	90	< 0.5	< 2	0.16	< 0.5	4	16	7	1.57	< 10	< 1	0.16	20	0.71	415	< 1
T 16097	201 229	< 0.2	1.40	4	90	< 0.5	< 2	0.21	< 0.5	4	13	6	1.60	< 10	< 1	0.25	20	0.96	400	< 1
T 16098	201 229	< 0.2	1.38	2	100	< 0.5	< 2	0.22	< 0.5	3	15	7	1.47	< 10	< 1	0.20	20	0.66	170	< 1
T 16099	201 229	< 0.2	1.38	< 2	130	< 0.5	< 2	0.23	< 0.5	3	13	7	1.67	< 10	< 1	0.25	20	0.67	245	< 1
T 16100	201 229	< 0.2	1.40	8	120	< 0.5	< 2	0.24	< 0.5	4	15	8	1.87	< 10	< 1	0.22	30	0.56	250	< 1
T 16101	201 229	< 0.2	1.41	8	110	< 0.5	< 2	0.12	< 0.5	3	17	8	1.83	< 10	< 1	0.14	40	0.24	145	1
T 16102	201 229	< 0.2	1.48	8	130	< 0.5	< 2	0.14	< 0.5	8	22	14	2.57	< 10	< 1	0.19	60	0.33	395	< 1
T 16103	201 229	< 0.2	1.74	8	80	< 0.5	< 2	0.13	< 0.5	6	25	9	2.49	< 10	< 1	0.15	40	0.32	265	< 1
T 16104	201 229	< 0.2	1.64	16	90	< 0.5	< 2	0.13	< 0.5	4	24	9	2.66	< 10	< 1	0.11	20	0.30	160	< 1
T 16105	201 229	< 0.2	1.19	2	110	< 0.5	< 2	0.12	< 0.5	2	16	8	1.40	< 10	< 1	0.08	10	0.29	105	< 1
T 16106	201 229	< 0.2	1.35	6	120	< 0.5	< 2	0.16	< 0.5	4	24	11	2.08	< 10	< 1	0.09	20	0.36	215	< 1
T 16107	201 229	< 0.2	1.43	2	130	< 0.5	< 2	0.20	< 0.5	6	26	12	2.15	< 10	< 1	0.12	20	0.48	265	< 1
T 16108	201 229	< 0.2	1.74	8	190	< 0.5	< 2	0.17	< 0.5	5	25	12	2.01	< 10	< 1	0.16	40	0.46	255	< 1
T 16109	201 229	< 0.2	0.78	2	110	< 0.5	< 2	0.11	< 0.5	6	15	7	1.14	< 10	< 1	0.09	20	0.20	335	< 1
T 16110	201 229	< 0.2	1.21	10	120	< 0.5	< 2	0.15	< 0.5	3	18	9	1.55	< 10	< 1	0.14	20	0.39	130	< 1
T 16111	201 229	< 0.2	1.24	4	130	< 0.5	< 2	0.13	< 0.5	3	15	7	1.78	< 10	< 1	0.14	20	0.36	185	< 1
T 16112	201 229	< 0.2	1.87	2	110	< 0.5	< 2	0.18	< 0.5	4	20	15	2.13	< 10	< 1	0.17	30	0.83	160	< 1
T 16113	201 229	< 0.2	1.75	4	130	< 0.5	< 2	0.20	< 0.5	6	20	12	2.21	< 10	< 1	0.18	20	0.90	270	< 1
T 16114	201 229	< 0.2	1.11	4	80	< 0.5	< 2	0.16	< 0.5	3	12	4	1.63	< 10	< 1	0.13	10	0.51	210	< 1
T 16115	201 229	< 0.2	1.41	8	110	< 0.5	< 2	0.23	< 0.5	4	19	8	1.99	< 10	< 1	0.16	20	0.49	260	< 1
T 16122	201 229	< 0.2	1.28	2	100	< 0.5	< 2	0.14	< 0.5	2	13	3	1.03	< 10	< 1	0.11	50	0.92	115	< 1
T 16123	201 229	< 0.2	0.57	6	60	< 0.5	< 2	0.09	< 0.5	< 1	4	1	0.35	< 10	< 1	0.09	20	0.19	40	< 1
T 16124	201 229	< 0.2	0.50	4	30	< 0.5	< 2	0.10	< 0.5	< 1	7	1	0.37	< 10	< 1	0.07	30	0.12	45	< 1
T 16125	201 229	< 0.2	0.79	4	50	< 0.5	< 2	0.03	< 0.5	1	8	1	0.59	< 10	< 1	0.22	40	0.34	75	< 1
T 16126	201 229	< 0.2	0.96	6	80	< 0.5	< 2	0.13	< 0.5	1	7	2	0.85	< 10	< 1	0.29	40	0.53	105	< 1
T 16127	201 229	< 0.2	1.07	6	110	< 0.5	< 2	0.16	< 0.5	3	14	7	1.39	< 10	< 1	0.19	40	0.53	220	< 1
T 16128	201 229	< 0.2	0.98	6	70	< 0.5	< 2	0.10	< 0.5	2	13	6	1.18	< 10	< 1	0.14	20	0.49	135	< 1
T 16129	201 229	< 0.2	0.89	< 2	80	< 0.5	< 2	0.09	< 0.5	1	9	3	0.81	< 10	< 1	0.23	30	0.56	135	< 1
T 16130	201 229	< 0.2	1.29	4	120	< 0.5	< 2	0.20	< 0.5	3	17	8	1.40	< 10	< 1	0.14	30	0.66	160	< 1
T 16131	201 229	< 0.2	1.11	8	110	< 0.5	< 2	0.16	< 0.5	3	15	8	1.17	< 10	< 1	0.14	20	0.50	115	< 1
T 16132	201 229	< 0.2	1.34	2	150	< 0.5	< 2	0.18	< 0.5	4	17	12	1.55	< 10	< 1	0.23	40	0.63	200	< 1
T 16133	201 229	< 0.2	1.17	8	90	< 0.5	< 2	0.14	< 0.5	3	17	11	1.54	< 10	< 1	0.11	20	0.37	125	< 1
T 16134	201 229	< 0.2	1.17	2	110	< 0.5	< 2	0.07	< 0.5	3	12	7	1.45	< 10	< 1	0.42	10	0.75	150	< 1

CERTIFICATION:

*Jhai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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ARCHER CATHRO & ASSOC. (1981) LTD.

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WHITEHORSE, YT  
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Project: KLONDDIKE (BAL)  
Comments:

Page 1 of 1-B  
Total Pages: 5  
Certificate Date: 19-SEP-92  
Invoice No.: 19221240  
P.O. Number:  
Account: F

## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
T 16089	201	229	0.01	8	350	12	< 2	2	33	0.09	< 10	< 10	29	< 10	60
T 16090	201	229	< 0.01	6	320	16	< 2	3	10	0.04	20	< 10	27	< 10	54
T 16091	201	229	0.01	8	720	32	< 2	3	14	0.04	20	< 10	31	< 10	52
T 16092	201	229	< 0.01	3	240	38	< 2	2	12	0.04	10	< 10	17	< 10	54
T 16093	201	229	< 0.01	6	150	20	< 2	2	10	0.04	< 10	< 10	25	< 10	44
T 16094	201	229	0.02	7	310	24	< 2	3	17	0.04	10	< 10	24	< 10	52
T 16095	201	229	0.01	8	280	18	< 2	2	15	0.05	< 10	< 10	27	< 10	44
T 16096	201	229	< 0.01	8	530	14	< 2	2	20	0.05	< 10	< 10	21	< 10	46
T 16097	201	229	0.01	8	560	14	< 2	1	16	0.07	< 10	< 10	19	< 10	40
T 16098	201	229	< 0.01	7	350	14	< 2	1	34	0.06	< 10	< 10	22	< 10	42
T 16099	201	229	< 0.01	4	280	16	< 2	2	40	0.07	< 10	< 10	21	< 10	46
T 16100	201	229	0.01	6	470	16	< 2	2	36	0.06	< 10	< 10	27	10	50
T 16101	201	229	0.02	7	490	10	< 2	3	13	0.04	< 10	< 10	30	< 10	36
T 16102	201	229	< 0.01	11	460	14	< 2	6	11	0.06	10	< 10	39	10	50
T 16103	201	229	< 0.01	13	340	24	< 2	3	10	0.07	10	< 10	38	10	52
T 16104	201	229	< 0.01	10	370	14	< 2	2	12	0.06	< 10	< 10	52	10	42
T 16105	201	229	0.01	5	300	12	< 2	1	14	0.04	< 10	< 10	31	< 10	32
T 16106	201	229	0.01	9	380	16	< 2	2	15	0.06	< 10	< 10	45	10	46
T 16107	201	229	0.01	14	360	12	< 2	3	17	0.08	< 10	< 10	44	< 10	58
T 16108	201	229	0.02	12	680	16	< 2	3	18	0.05	< 10	< 10	37	< 10	56
T 16109	201	229	0.03	5	520	8	< 2	1	11	0.03	< 10	< 10	26	< 10	28
T 16110	201	229	0.01	8	370	16	< 2	2	16	0.05	< 10	< 10	29	< 10	42
T 16111	201	229	0.02	6	390	14	< 2	2	16	0.03	< 10	< 10	26	< 10	44
T 16112	201	229	0.01	9	430	16	< 2	2	22	0.07	< 10	< 10	34	< 10	54
T 16113	201	229	0.01	9	470	18	< 2	2	29	0.07	< 10	< 10	37	< 10	58
T 16114	201	229	< 0.01	4	310	18	< 2	2	23	0.05	< 10	< 10	24	< 10	42
T 16115	201	229	< 0.01	8	500	16	< 2	2	28	0.06	< 10	< 10	29	< 10	50
T 16122	201	229	< 0.01	3	200	12	< 2	2	20	0.03	10	< 10	16	< 10	54
T 16123	201	229	< 0.01	< 1	110	6	< 2	< 1	22	< 0.01	< 10	< 10	2	< 10	18
T 16124	201	229	< 0.01	< 1	60	10	< 2	< 1	26	0.01	10	< 10	3	< 10	18
T 16125	201	229	< 0.01	1	90	10	< 2	< 1	9	0.01	10	< 10	2	< 10	34
T 16126	201	229	< 0.01	1	330	20	< 2	1	19	0.03	10	< 10	7	< 10	42
T 16127	201	229	0.01	6	210	28	< 2	2	22	0.06	10	< 10	23	< 10	58
T 16128	201	229	< 0.01	6	180	24	< 2	2	15	0.04	< 10	< 10	21	< 10	46
T 16129	201	229	< 0.01	2	190	24	< 2	1	9	0.02	10	< 10	9	< 10	48
T 16130	201	229	0.01	9	310	20	< 2	2	31	0.06	10	< 10	27	< 10	48
T 16131	201	229	0.01	7	280	16	< 2	2	25	0.05	< 10	< 10	24	< 10	42
T 16132	201	229	0.01	8	340	22	< 2	3	19	0.07	10	< 10	29	< 10	52
T 16133	201	229	0.01	8	290	16	< 2	2	16	0.06	< 10	< 10	34	< 10	38
T 16134	201	229	0.01	8	240	10	< 2	2	9	0.08	< 10	< 10	20	< 10	50

CERTIFICATION: *Yhai J Ma*



# Chemex Labs Ltd.

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ARCHER CATHRO & ASSOC. (1981) LTD.

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 WHITEHORSE, YT  
 Y1A 3S9

Project : KLONDDIKE (BAL)  
 Comments:

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## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
T 16135	201	229	< 0.2	1.00	6	70	< 0.5	< 2	0.10	< 0.5	3	14	6	1.43	< 10	< 1	0.26	20	0.52	135	< 1
T 16136	201	229	0.2	1.56	6	110	< 0.5	< 2	0.20	< 0.5	4	22	11	1.78	< 10	< 1	0.13	20	0.63	135	< 1
T 16137	201	229	0.2	1.64	4	110	< 0.5	< 2	0.22	< 0.5	5	23	12	1.93	< 10	< 1	0.19	20	0.70	160	< 1
T 16138	201	229	0.2	1.56	14	120	< 0.5	< 2	0.18	< 0.5	6	21	10	1.95	< 10	< 1	0.14	20	0.62	250	< 1
T 16139	201	229	< 0.2	1.24	4	70	< 0.5	< 2	0.18	< 0.5	3	23	8	1.87	< 10	< 1	0.11	20	0.44	145	< 1
T 16140	201	229	< 0.2	1.34	10	80	< 0.5	< 2	0.18	< 0.5	4	24	7	2.27	< 10	< 1	0.09	20	0.45	175	< 1
T 16141	201	229	0.2	1.24	6	90	< 0.5	< 2	0.17	< 0.5	4	19	9	1.79	< 10	< 1	0.24	20	0.59	170	< 1
T 16142	201	229	< 0.2	1.56	6	90	< 0.5	< 2	0.15	< 0.5	5	25	9	2.17	< 10	< 1	0.09	10	0.43	185	< 1
T 16143	201	229	< 0.2	1.26	8	90	< 0.5	< 2	0.14	< 0.5	4	20	10	1.65	< 10	< 1	0.10	30	0.32	155	< 1
T 16144	201	229	< 0.2	1.45	8	100	< 0.5	< 2	0.18	< 0.5	6	24	8	2.24	< 10	< 1	0.09	20	0.36	235	< 1
T 16145	201	229	< 0.2	1.65	14	90	< 0.5	< 2	0.16	< 0.5	6	24	12	2.11	< 10	< 1	0.11	20	0.39	220	< 1
T 16146	201	229	0.2	1.18	6	80	< 0.5	< 2	0.10	< 0.5	4	18	9	1.61	< 10	< 1	0.13	60	0.34	200	< 1
T 16147	201	229	0.2	1.20	4	110	< 0.5	< 2	0.15	< 0.5	4	19	8	1.75	< 10	< 1	0.20	60	0.41	390	< 1
T 16148	201	229	< 0.2	1.40	4	110	< 0.5	< 2	0.18	< 0.5	6	19	11	1.91	< 10	< 1	0.12	40	0.41	195	< 1
T 16149	201	229	0.2	1.14	4	80	< 0.5	< 2	0.15	< 0.5	4	15	11	1.77	< 10	< 1	0.37	30	0.56	225	< 1
T 16150	201	229	0.2	1.17	10	100	< 0.5	< 2	0.17	< 0.5	6	16	12	1.71	< 10	< 1	0.27	30	0.49	575	< 1
T 16151	201	229	0.2	0.90	2	70	< 0.5	< 2	0.12	< 0.5	3	12	10	1.42	< 10	< 1	0.23	20	0.46	225	< 1
T 16152	201	229	< 0.2	1.25	2	100	< 0.5	< 2	0.17	< 0.5	5	17	10	1.82	< 10	< 1	0.25	20	0.60	255	< 1
T 16153	201	229	< 0.2	1.27	4	80	< 0.5	< 2	0.16	< 0.5	4	19	11	1.79	< 10	< 1	0.23	20	0.57	270	< 1
T 16154	201	229	< 0.2	1.27	2	70	< 0.5	< 2	0.13	< 0.5	5	21	10	2.09	< 10	< 1	0.15	20	0.50	210	< 1
T 16155	201	229	< 0.2	1.26	2	70	< 0.5	< 2	0.15	< 0.5	6	21	10	2.16	< 10	< 1	0.16	20	0.47	255	< 1
T 16156	201	229	0.2	1.08	6	80	< 0.5	< 2	0.12	< 0.5	3	17	9	1.65	< 10	< 1	0.14	20	0.33	225	< 1
T 16157	201	229	< 0.2	1.63	10	130	< 0.5	< 2	0.25	< 0.5	6	26	17	2.14	< 10	< 1	0.20	40	0.61	200	< 1
T 16158	201	229	< 0.2	1.79	6	100	< 0.5	< 2	0.24	< 0.5	6	27	14	2.29	< 10	< 1	0.08	20	0.61	200	< 1
T 16159	201	229	< 0.2	1.61	8	130	< 0.5	< 2	0.25	< 0.5	7	32	14	2.16	< 10	< 1	0.18	20	0.52	320	< 1
T 16160	201	229	< 0.2	1.56	10	70	< 0.5	< 2	0.13	< 0.5	3	27	9	3.25	< 10	< 1	0.08	10	0.25	110	< 1
T 16161	201	229	< 0.2	0.92	2	80	< 0.5	< 2	0.07	< 0.5	2	13	12	1.14	< 10	< 1	0.14	10	0.29	130	< 1
T 16162	201	229	< 0.2	1.36	2	130	< 0.5	< 2	0.28	< 0.5	4	21	13	1.57	< 10	< 1	0.13	60	0.72	230	< 1
T 16163	201	229	< 0.2	1.48	2	90	< 0.5	< 2	0.16	< 0.5	2	17	6	1.37	< 10	< 1	0.09	20	0.93	145	< 1
T 16164	201	229	< 0.2	1.18	6	90	< 0.5	< 2	0.15	< 0.5	1	12	3	1.00	< 10	< 1	0.11	20	0.71	125	< 1
T 16165	201	229	< 0.2	1.00	8	80	< 0.5	< 2	0.11	< 0.5	1	9	2	1.05	< 10	< 1	0.07	20	0.59	80	< 1
T 16166	201	229	< 0.2	1.05	6	60	< 0.5	< 2	0.10	< 0.5	1	10	2	0.94	< 10	< 1	0.06	30	0.67	85	< 1
T 16167	201	229	< 0.2	0.68	< 2	60	< 0.5	< 2	0.10	< 0.5	1	10	3	0.84	< 10	< 1	0.07	10	0.30	85	< 1
T 16168	201	229	< 0.2	1.34	2	80	< 0.5	< 2	0.11	< 0.5	3	16	5	1.34	< 10	< 1	0.07	20	0.72	120	< 1
T 16169	201	229	< 0.2	1.18	4	90	< 0.5	< 2	0.10	< 0.5	3	16	7	1.45	< 10	< 1	0.13	30	0.49	260	< 1
T 16170	201	229	< 0.2	1.75	10	100	< 0.5	< 2	0.18	< 0.5	5	28	11	2.18	< 10	< 1	0.07	30	0.63	155	< 1
T 16175	201	229	0.2	0.98	2	100	< 0.5	< 2	0.16	< 0.5	2	19	4	1.23	< 10	< 1	0.09	10	0.41	100	< 1
T 16176	201	229	< 0.2	1.15	2	120	< 0.5	< 2	0.27	< 0.5	4	20	6	1.43	< 10	< 1	0.16	20	0.51	170	< 1
T 16177	201	229	< 0.2	1.60	< 2	170	< 0.5	< 2	0.22	< 0.5	4	28	7	1.71	< 10	< 1	0.16	20	0.46	185	< 1
T 16178	201	229	< 0.2	1.37	2	110	< 0.5	< 2	0.17	< 0.5	3	21	9	1.44	< 10	< 1	0.09	20	0.36	95	< 1

CERTIFICATION: *Phai D Ma*



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ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

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Project : KLONDDIKE (BAL)  
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## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
	T 16135	201	229	0.02	4	260	14	< 2	1	10	0.07	< 10	< 10	26	< 10
T 16136	201	229	0.02	12	340	16	< 2	3	19	0.08	< 10	< 10	36	< 10	50
T 16137	201	229	0.01	13	420	18	< 2	3	20	0.10	< 10	< 10	35	< 10	56
T 16138	201	229	0.01	12	340	18	< 2	3	15	0.09	< 10	< 10	35	< 10	64
T 16139	201	229	0.01	9	300	18	< 2	2	14	0.10	< 10	< 10	47	< 10	42
T 16140	201	229	0.01	10	280	18	< 2	3	15	0.13	< 10	< 10	55	< 10	44
T 16141	201	229	< 0.01	9	380	18	< 2	2	14	0.10	< 10	< 10	34	< 10	52
T 16142	201	229	< 0.01	11	260	18	< 2	3	13	0.10	< 10	< 10	46	< 10	44
T 16143	201	229	0.01	9	320	12	< 2	2	12	0.07	< 10	< 10	32	< 10	42
T 16144	201	229	0.01	11	310	12	< 2	3	15	0.09	< 10	< 10	47	< 10	44
T 16145	201	229	0.01	13	310	12	< 2	3	14	0.09	< 10	< 10	44	< 10	50
T 16146	201	229	< 0.01	8	270	18	< 2	2	9	0.06	10	< 10	27	< 10	54
T 16147	201	229	0.01	7	300	14	< 2	2	14	0.06	20	< 10	26	< 10	58
T 16148	201	229	0.01	11	450	18	< 2	3	14	0.08	10	< 10	36	< 10	54
T 16149	201	229	< 0.01	9	500	18	< 2	2	11	0.09	10	< 10	26	< 10	62
T 16150	201	229	0.01	10	440	20	< 2	2	13	0.07	10	< 10	25	< 10	60
T 16151	201	229	0.02	6	430	22	< 2	1	10	0.07	< 10	< 10	22	< 10	46
T 16152	201	229	< 0.01	9	420	18	< 2	2	13	0.10	< 10	< 10	29	< 10	54
T 16153	201	229	< 0.01	12	400	16	< 2	2	11	0.09	< 10	< 10	29	< 10	54
T 16154	201	229	< 0.01	11	350	14	< 2	2	9	0.09	< 10	< 10	37	< 10	50
T 16155	201	229	< 0.01	11	430	18	< 2	2	10	0.08	< 10	< 10	33	< 10	48
T 16156	201	229	< 0.01	8	280	16	< 2	2	10	0.08	< 10	< 10	33	< 10	40
T 16157	201	229	0.01	15	520	18	< 2	3	18	0.09	< 10	< 10	41	< 10	58
T 16158	201	229	0.01	15	460	12	< 2	3	21	0.09	< 10	< 10	47	< 10	58
T 16159	201	229	0.01	14	390	18	< 2	4	23	0.11	< 10	< 10	42	< 10	54
T 16160	201	229	< 0.01	7	260	14	< 2	3	13	0.11	< 10	< 10	68	< 10	30
T 16161	201	229	< 0.01	3	230	14	< 2	1	11	0.06	< 10	< 10	26	< 10	28
T 16162	201	229	0.01	11	420	14	< 2	3	26	0.07	10	< 10	29	< 10	48
T 16163	201	229	< 0.01	7	240	14	< 2	2	21	0.06	< 10	< 10	30	< 10	46
T 16164	201	229	< 0.01	3	110	16	< 2	1	41	0.04	< 10	< 10	18	< 10	44
T 16165	201	229	< 0.01	3	130	16	< 2	1	23	0.03	< 10	< 10	18	< 10	42
T 16166	201	229	< 0.01	2	130	16	< 2	1	26	0.02	10	< 10	11	< 10	40
T 16167	201	229	< 0.01	2	190	12	< 2	1	14	0.02	< 10	< 10	14	< 10	28
T 16168	201	229	< 0.01	6	230	20	< 2	2	11	0.03	< 10	< 10	23	< 10	46
T 16169	201	229	< 0.01	6	280	18	< 2	2	8	0.02	< 10	< 10	22	< 10	44
T 16170	201	229	< 0.01	12	330	18	< 2	3	14	0.07	< 10	< 10	44	< 10	50
T 16175	201	229	0.01	6	570	14	< 2	2	17	0.05	< 10	< 10	24	< 10	38
T 16176	201	229	< 0.01	8	420	18	< 2	2	31	0.07	< 10	< 10	26	< 10	48
T 16177	201	229	0.01	11	560	14	< 2	3	24	0.08	< 10	< 10	34	< 10	52
T 16178	201	229	< 0.01	8	310	24	< 2	2	15	0.06	10	< 10	32	< 10	42

CERTIFICATION:

*Yhai D Ma*



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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T 16179	201 229	< 0.2	0.23	2	20	< 0.5	< 2	0.04	< 0.5	1	8	2	0.49	< 10	< 1	0.03	< 10	0.03	45	< 1
T 16180	201 229	< 0.2	1.77	10	140	< 0.5	< 2	0.20	< 0.5	3	25	10	1.91	< 10	< 1	0.09	30	0.73	115	< 1
T 16181	201 229	< 0.2	1.45	12	80	< 0.5	< 2	0.14	< 0.5	3	21	7	1.73	< 10	< 1	0.06	10	0.39	100	< 1
T 16182	201 229	< 0.2	1.83	8	120	< 0.5	< 2	0.21	< 0.5	3	23	10	1.86	< 10	< 1	0.12	30	1.00	185	< 1
T 16183	201 229	< 0.2	2.26	8	120	< 0.5	< 2	0.15	< 0.5	6	31	11	3.17	< 10	< 1	0.10	10	0.57	195	< 1
T 16184	201 229	< 0.2	0.68	2	30	< 0.5	< 2	0.09	< 0.5	1	10	3	1.23	< 10	< 1	0.11	10	0.21	160	< 1
T 16185	201 229	< 0.2	1.35	< 2	100	< 0.5	< 2	0.24	< 0.5	3	15	9	1.83	< 10	< 1	0.25	30	0.42	255	< 1
T 16186	201 229	< 0.2	0.96	4	60	< 0.5	< 2	0.16	< 0.5	2	10	6	1.51	< 10	< 1	0.10	10	0.33	125	< 1
T 16187	201 229	< 0.2	1.01	4	70	< 0.5	< 2	0.20	< 0.5	3	15	6	1.52	< 10	< 1	0.17	20	0.37	180	< 1
T 16188	201 229	< 0.2	1.31	8	80	< 0.5	< 2	0.21	< 0.5	3	21	10	1.65	< 10	< 1	0.13	10	0.39	140	< 1
T 16189	201 229	< 0.2	1.13	4	110	< 0.5	< 2	0.15	< 0.5	2	19	9	1.42	< 10	< 1	0.08	10	0.36	100	< 1
T 16190	201 229	< 0.2	1.15	2	110	< 0.5	< 2	0.14	< 0.5	2	18	9	1.43	< 10	< 1	0.09	30	0.31	95	< 1
T 16191	201 229	< 0.2	1.26	2	120	< 0.5	< 2	0.16	< 0.5	3	19	6	1.73	< 10	< 1	0.11	20	0.43	120	< 1
T 16192	201 229	< 0.2	1.11	2	130	< 0.5	< 2	0.15	< 0.5	3	19	7	1.37	< 10	< 1	0.10	20	0.33	115	< 1
T 16193	201 229	< 0.2	0.94	< 2	130	< 0.5	< 2	0.12	< 0.5	1	14	7	1.02	< 10	< 1	0.13	20	0.23	75	< 1
T 16194	201 229	< 0.2	1.18	10	130	< 0.5	< 2	0.15	< 0.5	2	17	6	1.51	< 10	< 1	0.12	20	0.35	115	< 1
T 16195	201 229	< 0.2	1.36	4	120	< 0.5	< 2	0.19	< 0.5	3	16	8	1.53	< 10	< 1	0.19	20	0.56	135	< 1
T 16196	201 229	< 0.2	1.84	10	150	< 0.5	< 2	0.26	< 0.5	4	21	9	1.97	< 10	< 1	0.18	30	0.84	180	< 1
T 16197	201 229	< 0.2	1.74	6	160	< 0.5	< 2	0.24	< 0.5	4	21	9	1.99	< 10	< 1	0.15	20	0.71	240	< 1
T 16198	201 229	< 0.2	0.95	< 2	110	< 0.5	< 2	0.14	< 0.5	2	17	6	1.06	< 10	< 1	0.09	20	0.26	150	< 1
T 16199	201 229	< 0.2	1.59	< 2	130	< 0.5	< 2	0.25	< 0.5	3	17	8	1.69	< 10	< 1	0.30	20	0.80	180	< 1
T 16200	201 229	< 0.2	0.23	2	30	< 0.5	< 2	0.04	< 0.5	< 1	5	1	0.39	< 10	< 1	0.06	< 10	0.04	30	< 1
T 16201	201 229	< 0.2	1.18	4	130	< 0.5	< 2	0.17	< 0.5	4	16	6	2.03	< 10	< 1	0.21	10	0.47	215	< 1
T 16202	201 229	< 0.2	1.11	4	70	< 0.5	< 2	0.18	< 0.5	3	16	7	1.70	< 10	< 1	0.20	30	0.37	195	< 1
T 16203	201 229	< 0.2	1.23	6	80	< 0.5	< 2	0.22	< 0.5	3	13	6	1.74	< 10	< 1	0.24	40	0.37	190	< 1
T 16204	201 229	< 0.2	1.54	14	120	< 0.5	< 2	0.17	< 0.5	4	20	8	2.49	< 10	< 1	0.13	10	0.56	200	< 1
T 16205	201 229	< 0.2	1.96	< 2	100	< 0.5	< 2	0.18	< 0.5	7	41	12	2.45	< 10	< 1	0.11	10	1.39	360	< 1
T 16206	201 229	< 0.2	0.70	< 2	90	< 0.5	< 2	0.20	< 0.5	< 1	11	2	0.58	< 10	< 1	0.09	10	0.09	55	< 1
T 16207	201 229	< 0.2	1.28	6	130	< 0.5	< 2	0.24	< 0.5	3	16	7	1.84	< 10	< 1	0.20	10	0.42	195	< 1
T 16208	201 229	< 0.2	2.05	4	130	< 0.5	< 2	0.28	< 0.5	6	26	12	2.46	< 10	< 1	0.09	20	0.91	265	< 1
T 16209	201 229	< 0.2	2.11	10	100	< 0.5	< 2	0.21	< 0.5	6	28	11	2.74	< 10	< 1	0.12	10	0.38	275	< 1
T 16210	201 229	< 0.2	1.78	6	90	< 0.5	< 2	0.26	< 0.5	6	28	12	2.34	< 10	< 1	0.16	20	0.47	265	< 1
T 16213	201 229	< 0.2	1.15	2	70	< 0.5	< 2	0.19	< 0.5	4	15	6	2.12	< 10	< 1	0.15	10	0.36	235	< 1
T 16214	201 229	< 0.2	0.64	6	90	< 0.5	< 2	0.13	< 0.5	1	10	6	0.76	< 10	< 1	0.09	10	0.07	55	< 1
T 16215	201 229	< 0.2	1.10	2	90	< 0.5	< 2	0.22	< 0.5	3	14	7	1.61	< 10	< 1	0.17	20	0.39	180	< 1
T 16216	201 229	< 0.2	1.15	< 2	120	< 0.5	< 2	0.18	< 0.5	3	19	13	1.64	< 10	< 1	0.11	20	0.34	135	< 1
T 16217	201 229	< 0.2	1.35	8	90	< 0.5	< 2	0.20	< 0.5	4	21	10	1.87	< 10	< 1	0.14	30	0.50	170	< 1
T 16218	201 229	< 0.2	0.34	< 2	20	< 0.5	< 2	0.09	< 0.5	< 1	5	1	0.35	< 10	< 1	0.04	10	0.06	20	< 1
T 16219	201 229	< 0.2	0.94	2	110	< 0.5	< 2	0.15	< 0.5	2	16	6	1.34	< 10	< 1	0.10	30	0.24	110	< 1
T 16220	201 229	< 0.2	1.19	6	110	< 0.5	< 2	0.16	< 0.5	3	20	5	1.62	< 10	< 1	0.08	40	0.30	95	< 1

CERTIFICATION:

*Jhai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

TO: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

Project: KLONDDIKE (BAL)  
 Comments:

Pag. : 3-B  
 Total Pages : 5  
 Certificate Date: 19-SEP-92  
 Invoice No. : 19221240  
 P.O. Number :  
 Account : F

## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T 16179	201 229	0.07	< 1	160	2	< 2	< 1	5	0.02	< 10	< 10	15	< 10	8
T 16180	201 229	0.01	11	320	20	< 2	3	19	0.08	< 10	< 10	41	< 10	50
T 16181	201 229	0.02	6	230	18	< 2	2	18	0.07	< 10	< 10	43	< 10	32
T 16182	201 229	0.01	10	300	24	< 2	3	24	0.08	< 10	< 10	36	< 10	66
T 16183	201 229	0.01	12	240	18	< 2	3	20	0.10	< 10	< 10	61	10	48
T 16184	201 229	< 0.01	2	140	6	< 2	1	11	0.07	< 10	< 10	29	< 10	20
T 16185	201 229	< 0.01	5	370	16	< 2	2	38	0.06	< 10	< 10	20	< 10	50
T 16186	201 229	< 0.01	3	290	12	< 2	1	32	0.06	< 10	< 10	28	< 10	32
T 16187	201 229	< 0.01	6	400	16	< 2	1	22	0.04	< 10	< 10	21	< 10	48
T 16188	201 229	< 0.01	8	540	14	< 2	2	22	0.06	< 10	< 10	28	< 10	42
T 16189	201 229	0.01	9	340	12	< 2	2	16	0.06	< 10	< 10	30	< 10	42
T 16190	201 229	0.01	7	350	14	< 2	2	14	0.06	10	< 10	29	< 10	36
T 16191	201 229	< 0.01	6	290	16	< 2	2	17	0.07	< 10	< 10	39	< 10	42
T 16192	201 229	0.01	7	320	14	< 2	2	15	0.04	10	< 10	30	< 10	38
T 16193	201 229	0.01	4	320	8	< 2	1	14	0.02	10	< 10	20	< 10	30
T 16194	201 229	< 0.01	6	220	18	< 2	3	16	0.05	< 10	< 10	27	< 10	42
T 16195	201 229	< 0.01	4	360	16	< 2	2	24	0.04	< 10	< 10	25	< 10	44
T 16196	201 229	< 0.01	9	430	18	2	3	32	0.06	< 10	< 10	30	< 10	58
T 16197	201 229	0.01	9	380	20	< 2	3	33	0.07	< 10	< 10	35	< 10	54
T 16198	201 229	0.02	4	630	20	< 2	1	15	0.04	< 10	< 10	24	< 10	22
T 16199	201 229	< 0.01	8	380	14	< 2	2	34	0.08	< 10	< 10	22	< 10	58
T 16200	201 229	0.05	< 1	220	< 2	< 2	< 1	6	0.01	< 10	< 10	10	< 10	6
T 16201	201 229	< 0.01	6	370	14	< 2	2	23	0.08	< 10	< 10	30	< 10	50
T 16202	201 229	< 0.01	7	390	16	< 2	2	23	0.07	< 10	< 10	24	< 10	40
T 16203	201 229	< 0.01	4	520	18	< 2	2	29	0.05	< 10	< 10	19	< 10	48
T 16204	201 229	< 0.01	9	340	22	< 2	2	25	0.09	< 10	< 10	40	< 10	46
T 16205	201 229	< 0.01	18	420	18	< 2	3	39	0.01	< 10	< 10	39	< 10	60
T 16206	201 229	< 0.01	2	250	10	< 2	1	30	0.03	< 10	< 10	15	< 10	14
T 16207	201 229	< 0.01	7	490	14	< 2	2	36	0.06	< 10	< 10	27	< 10	48
T 16208	201 229	0.01	13	410	18	< 2	3	33	0.08	< 10	< 10	42	< 10	60
T 16209	201 229	0.01	13	510	16	< 2	3	26	0.08	< 10	< 10	52	10	52
T 16210	201 229	0.01	15	420	10	< 2	3	29	0.09	< 10	< 10	45	< 10	52
T 16213	201 229	< 0.01	7	320	14	< 2	2	27	0.07	< 10	< 10	36	< 10	48
T 16214	201 229	< 0.01	2	550	6	< 2	< 1	22	0.03	< 10	< 10	22	< 10	18
T 16215	201 229	< 0.01	7	500	12	< 2	1	28	0.04	< 10	< 10	22	< 10	56
T 16216	201 229	0.01	7	660	26	< 2	2	19	0.04	< 10	< 10	29	< 10	48
T 16217	201 229	< 0.01	9	450	24	< 2	3	20	0.06	< 10	< 10	30	< 10	62
T 16218	201 229	< 0.01	< 1	80	6	< 2	1	13	< 0.01	< 10	< 10	2	< 10	18
T 16219	201 229	< 0.01	5	530	22	< 2	2	16	0.03	< 10	< 10	24	< 10	42
T 16220	201 229	< 0.01	7	350	30	< 2	3	17	0.04	10	< 10	34	< 10	46

CERTIFICATION:

*Jhai D Ma*



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## CERTIFICATE OF ANALYSIS

### A9221240

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
T 16221	201	229	< 0.2	1.06	4	80	< 0.5	< 2	0.17	< 0.5	2	14	6	1.14	< 10	< 1	0.08	40	0.26	90	< 1
T 16222	201	229	< 0.2	1.04	4	80	< 0.5	< 2	0.14	< 0.5	2	14	4	1.33	< 10	< 1	0.08	60	0.23	95	< 1
T 16223	201	229	< 0.2	1.47	< 2	120	< 0.5	< 2	0.22	< 0.5	4	22	8	1.88	< 10	< 1	0.11	30	0.37	215	< 1
T 16224	201	229	< 0.2	1.10	2	120	< 0.5	< 2	0.17	< 0.5	2	16	7	1.34	< 10	< 1	0.09	30	0.28	100	< 1
T 16225	201	229	< 0.2	1.46	6	170	< 0.5	< 2	0.24	< 0.5	6	22	9	1.87	< 10	< 1	0.08	30	0.41	330	< 1
T 16226	201	229	< 0.2	1.26	4	160	< 0.5	< 2	0.14	< 0.5	3	18	9	1.53	< 10	< 1	0.06	20	0.31	105	< 1
T 16227	201	229	< 0.2	0.73	2	70	< 0.5	< 2	0.12	< 0.5	4	13	9	1.73	< 10	< 1	0.05	10	0.22	130	< 1
T 16228	201	229	< 0.2	0.88	4	100	< 0.5	< 2	0.15	< 0.5	3	11	6	1.45	< 10	< 1	0.12	10	0.31	195	< 1
T 16229	201	229	< 0.2	1.05	8	80	< 0.5	< 2	0.18	< 0.5	3	11	6	1.67	< 10	< 1	0.16	10	0.45	210	< 1
T 16230	201	229	< 0.2	1.06	6	90	< 0.5	< 2	0.22	< 0.5	4	12	5	1.79	< 10	< 1	0.17	10	0.41	250	< 1
T 16231	201	229	< 0.2	0.96	2	90	< 0.5	< 2	0.14	< 0.5	2	11	4	1.46	< 10	< 1	0.13	10	0.22	115	< 1
T 16232	201	229	< 0.2	1.08	< 2	70	< 0.5	< 2	0.20	< 0.5	3	11	6	1.87	< 10	< 1	0.18	20	0.36	245	< 1
T 16233	201	229	< 0.2	1.10	< 2	80	< 0.5	< 2	0.21	< 0.5	2	9	5	1.55	< 10	< 1	0.27	20	0.39	225	< 1
T 16234	201	229	< 0.2	0.97	2	60	< 0.5	< 2	0.24	< 0.5	2	7	3	1.78	< 10	< 1	0.15	10	0.33	200	< 1
T 16235	201	229	< 0.2	0.72	2	70	< 0.5	< 2	0.15	< 0.5	2	9	4	1.50	< 10	< 1	0.11	10	0.16	130	< 1
T 16236	201	229	< 0.2	1.58	14	110	< 0.5	< 2	0.28	< 0.5	4	19	9	2.08	< 10	< 1	0.18	20	0.50	185	< 1
T 16237	201	229	< 0.2	1.26	8	70	< 0.5	< 2	0.21	< 0.5	4	16	7	2.87	< 10	< 1	0.12	10	0.34	250	< 1
T 16238	201	229	< 0.2	0.96	8	70	< 0.5	< 2	0.22	< 0.5	3	14	6	2.04	< 10	< 1	0.11	10	0.30	360	< 1
T 16239	201	229	< 0.2	1.02	10	90	< 0.5	< 2	0.21	< 0.5	2	10	4	1.59	< 10	< 1	0.13	10	0.37	140	< 1
T 16240	201	229	< 0.2	1.17	< 2	100	< 0.5	< 2	0.21	< 0.5	2	10	4	1.74	< 10	< 1	0.16	10	0.49	145	< 1
T 16241	201	229	< 0.2	0.56	2	50	< 0.5	< 2	0.16	< 0.5	1	3	3	0.75	< 10	< 1	0.04	10	0.26	85	< 1
T 16242	201	229	< 0.2	1.32	8	140	< 0.5	< 2	0.25	< 0.5	6	21	7	2.19	< 10	< 1	0.11	20	0.51	245	< 1
T 16243	201	229	< 0.2	1.13	< 2	130	< 0.5	< 2	0.28	< 0.5	3	13	5	1.40	< 10	< 1	0.19	20	0.43	135	< 1
T 16244	201	229	< 0.2	1.01	4	110	< 0.5	< 2	0.24	< 0.5	3	32	8	1.97	< 10	< 1	0.07	10	0.32	130	< 1
T 16245	201	229	< 0.2	1.38	4	110	< 0.5	< 2	0.24	< 0.5	4	18	6	1.69	< 10	< 1	0.16	20	0.54	170	< 1
T 16246	201	229	< 0.2	1.39	4	130	< 0.5	< 2	0.29	< 0.5	3	22	7	1.73	< 10	< 1	0.14	30	0.58	175	< 1
T 16247	201	229	< 0.2	1.45	4	120	< 0.5	< 2	0.27	< 0.5	5	18	7	1.70	< 10	< 1	0.15	30	0.53	160	< 1
T 16249	201	229	< 0.2	1.71	14	100	< 0.5	< 2	0.19	< 0.5	6	19	8	2.15	< 10	< 1	0.08	20	0.65	360	< 1
T 16250	201	229	< 0.2	1.65	6	120	< 0.5	< 2	0.23	< 0.5	6	20	10	1.89	< 10	< 1	0.11	30	0.56	335	< 1
T 16251	201	229	< 0.2	1.63	2	150	< 0.5	< 2	0.16	< 0.5	5	23	12	1.92	< 10	< 1	0.10	30	0.38	280	< 1
T 16252	201	229	< 0.2	1.82	8	90	< 0.5	< 2	0.12	< 0.5	4	18	10	2.18	< 10	< 1	0.07	10	0.64	150	< 1
T 16253	201	229	< 0.2	1.36	4	120	< 0.5	< 2	0.16	< 0.5	2	9	4	1.30	< 10	< 1	0.20	20	0.88	155	< 1
T 16254	201	229	< 0.2	1.54	4	120	< 0.5	< 2	0.22	< 0.5	3	19	9	1.78	< 10	< 1	0.09	20	0.69	120	< 1
T 16255	201	229	< 0.2	0.79	4	80	< 0.5	< 2	0.10	< 0.5	1	10	5	0.96	< 10	< 1	0.07	10	0.32	70	< 1
T 16256	201	229	0.2	1.41	4	110	< 0.5	< 2	0.18	< 0.5	4	20	11	1.87	< 10	< 1	0.14	20	0.54	150	< 1
T 16257	201	229	0.2	0.98	6	80	< 0.5	< 2	0.11	< 0.5	4	13	12	1.56	< 10	< 1	0.08	30	0.28	250	< 1
T 16258	201	229	0.2	1.19	2	90	< 0.5	< 2	0.14	< 0.5	3	17	8	1.62	< 10	< 1	0.09	20	0.47	115	< 1
T 16259	201	229	0.2	1.36	8	110	< 0.5	< 2	0.14	< 0.5	4	16	9	1.65	< 10	< 1	0.14	20	0.57	190	< 1
T 16260	201	229	0.2	1.34	6	100	< 0.5	< 2	0.17	< 0.5	3	16	7	1.49	< 10	< 1	0.08	20	0.65	155	< 1
T 16261	201	229	0.2	1.35	4	180	< 0.5	< 2	0.26	< 0.5	4	14	6	1.39	< 10	< 1	0.09	30	0.48	205	< 1

CERTIFICATION:

*Yhai J Ma*



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## CERTIFICATE OF ANALYSIS

### A9221240

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T 16221	201 229	< 0.01	7	340	28	< 2	3	16	0.04	10	< 10	25	< 10	38
T 16222	201 229	< 0.01	5	280	24	< 2	3	16	0.04	10	< 10	24	< 10	42
T 16223	201 229	0.01	9	390	24	< 2	3	23	0.07	10	< 10	41	< 10	54
T 16224	201 229	0.01	7	390	18	2	2	18	0.04	< 10	< 10	28	< 10	42
T 16225	201 229	0.01	11	510	22	2	4	21	0.06	< 10	< 10	39	< 10	54
T 16226	201 229	0.01	8	650	16	< 2	2	13	0.03	< 10	< 10	32	< 10	38
T 16227	201 229	0.02	7	380	6	2	1	11	0.06	< 10	< 10	46	< 10	36
T 16228	201 229	< 0.01	6	380	12	< 2	1	18	0.03	< 10	< 10	25	< 10	42
T 16229	201 229	< 0.01	7	350	6	< 2	1	23	0.07	< 10	< 10	25	< 10	48
T 16230	201 229	< 0.01	6	380	6	< 2	1	25	0.07	< 10	< 10	24	< 10	56
T 16231	201 229	< 0.01	3	490	10	< 2	1	21	0.06	< 10	< 10	26	< 10	30
T 16232	201 229	< 0.01	6	410	12	< 2	1	28	0.07	< 10	< 10	25	< 10	54
T 16233	201 229	< 0.01	2	370	10	< 2	1	38	0.04	< 10	< 10	19	< 10	54
T 16234	201 229	< 0.01	3	390	12	< 2	1	38	0.07	< 10	< 10	20	< 10	42
T 16235	201 229	< 0.01	3	310	8	< 2	1	25	0.07	< 10	< 10	35	< 10	26
T 16236	201 229	< 0.01	11	600	14	< 2	3	26	0.09	< 10	< 10	34	< 10	62
T 16237	201 229	< 0.01	8	320	12	< 2	2	33	0.11	< 10	< 10	38	< 10	46
T 16238	201 229	< 0.01	5	260	8	2	2	35	0.10	< 10	< 10	45	< 10	40
T 16239	201 229	< 0.01	4	320	8	< 2	1	32	0.07	< 10	< 10	27	< 10	42
T 16240	201 229	< 0.01	6	300	8	< 2	1	30	0.08	< 10	< 10	24	< 10	46
T 16241	201 229	< 0.01	1	210	4	< 2	< 1	29	0.04	< 10	< 10	21	< 10	22
T 16242	201 229	< 0.01	11	550	12	< 2	3	26	0.08	< 10	< 10	52	< 10	56
T 16243	201 229	< 0.01	6	400	12	< 2	2	40	0.07	< 10	< 10	25	< 10	46
T 16244	201 229	0.02	7	660	8	< 2	2	20	0.08	< 10	< 10	50	< 10	42
T 16245	201 229	< 0.01	9	370	14	< 2	3	28	0.08	< 10	< 10	31	< 10	56
T 16246	201 229	0.01	10	410	12	< 2	3	31	0.09	< 10	< 10	37	< 10	56
T 16247	201 229	< 0.01	8	460	14	< 2	3	28	0.07	< 10	< 10	28	< 10	52
T 16249	201 229	< 0.01	10	280	16	< 2	3	26	0.08	< 10	< 10	44	< 10	62
T 16250	201 229	< 0.01	11	310	14	2	3	25	0.08	< 10	< 10	39	< 10	54
T 16251	201 229	0.01	10	280	16	< 2	3	16	0.07	< 10	< 10	49	< 10	46
T 16252	201 229	0.01	9	230	24	2	2	14	0.08	< 10	< 10	43	< 10	48
T 16253	201 229	< 0.01	5	290	20	< 2	2	15	0.06	< 10	< 10	19	< 10	70
T 16254	201 229	0.01	10	330	22	< 2	3	21	0.08	< 10	< 10	37	< 10	52
T 16255	201 229	0.03	4	320	8	< 2	1	10	0.04	< 10	< 10	20	< 10	32
T 16256	201 229	< 0.01	11	390	36	< 2	3	15	0.08	< 10	< 10	35	< 10	56
T 16257	201 229	0.02	7	380	26	< 2	2	10	0.04	< 10	< 10	26	< 10	36
T 16258	201 229	< 0.01	9	310	20	< 2	2	14	0.06	< 10	< 10	31	< 10	50
T 16259	201 229	< 0.01	10	280	24	< 2	3	16	0.06	< 10	< 10	28	< 10	66
T 16260	201 229	< 0.01	9	220	16	< 2	2	23	0.06	< 10	< 10	31	< 10	50
T 16261	201 229	0.01	8	380	20	< 2	3	32	0.06	10	< 10	27	< 10	50

CERTIFICATION: *Phai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

Project: KLONDDIKE (BAL)  
 Comments:

Page Number : 5-A  
 Total Pages : 5  
 Certificate Date: 19-SEP-92  
 Invoice No. : I9221240  
 P.O. Number :  
 Account : F

## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T 16262	201 229	< 0.2	0.69	< 2	70	< 0.5	< 2	0.11	< 0.5	1	11	3	0.83	< 10	< 1	0.07	10	0.16	55	< 1
T 16263	201 229	0.2	0.96	8	90	< 0.5	< 2	0.16	< 0.5	2	13	3	1.40	< 10	< 1	0.09	20	0.25	80	< 1
T 16264	201 229	0.2	1.10	8	90	< 0.5	< 2	0.17	< 0.5	2	13	3	1.21	< 10	< 1	0.10	30	0.28	85	< 1
T 16265	201 229	< 0.2	1.12	2	110	< 0.5	< 2	0.15	< 0.5	1	15	3	0.89	< 10	< 1	0.09	30	0.25	70	< 1
T 16266	201 229	< 0.2	0.80	2	70	< 0.5	< 2	0.13	< 0.5	1	10	3	0.98	< 10	< 1	0.09	20	0.26	75	< 1
T 16267	201 229	< 0.2	0.81	4	90	< 0.5	< 2	0.12	< 0.5	2	10	4	1.01	< 10	< 1	0.11	40	0.20	95	< 1
T 16268	201 229	0.2	1.28	< 2	130	< 0.5	< 2	0.16	< 0.5	3	15	6	1.30	< 10	< 1	0.09	30	0.35	115	< 1
T 16269	201 229	0.2	1.40	< 2	120	< 0.5	< 2	0.16	< 0.5	2	17	7	1.11	< 10	< 1	0.08	20	0.47	105	< 1
T 16270	201 229	0.2	1.49	4	120	< 0.5	< 2	0.20	< 0.5	9	20	9	1.90	< 10	< 1	0.09	20	0.55	350	< 1
T 16271	201 229	0.2	1.41	< 2	110	< 0.5	< 2	0.20	< 0.5	3	17	7	1.50	< 10	< 1	0.10	20	0.49	130	< 1
T 16272	201 229	0.2	1.34	2	130	< 0.5	< 2	0.19	< 0.5	4	15	6	1.51	< 10	< 1	0.09	20	0.51	130	< 1
T 16273	201 229	0.2	1.44	8	120	< 0.5	< 2	0.20	< 0.5	4	18	8	1.64	< 10	< 1	0.09	20	0.53	115	< 1
T 16274	201 229	0.2	1.36	6	120	< 0.5	< 2	0.23	< 0.5	3	16	6	1.41	< 10	< 1	0.09	20	0.46	115	< 1
T 16275	201 229	0.2	1.39	2	130	< 0.5	< 2	0.25	< 0.5	4	20	9	1.74	< 10	< 1	0.11	20	0.51	130	< 1
T 16276	201 229	< 0.2	0.87	< 2	90	< 0.5	< 2	0.14	< 0.5	< 1	4	3	0.59	< 10	< 1	0.07	30	0.30	65	< 1
T 16277	201 229	0.2	1.51	2	130	< 0.5	< 2	0.21	< 0.5	3	17	8	1.81	< 10	< 1	0.11	20	0.60	115	< 1
T 16278	201 229	0.2	1.40	2	120	< 0.5	< 2	0.23	< 0.5	2	14	6	1.48	< 10	< 1	0.11	30	0.57	110	< 1
T 16279	201 229	0.2	1.42	2	180	< 0.5	< 2	0.28	< 0.5	2	17	7	1.32	< 10	< 1	0.26	20	0.65	125	< 1
T 16280	201 229	0.2	1.60	12	160	< 0.5	< 2	0.33	< 0.5	4	18	8	1.92	< 10	< 1	0.20	20	0.68	155	< 1
T 16281	201 229	0.2	1.31	< 2	130	< 0.5	< 2	0.25	< 0.5	3	12	6	1.41	< 10	< 1	0.25	30	0.74	150	< 1
T 16282	201 229	0.2	1.23	4	110	< 0.5	< 2	0.26	< 0.5	3	16	7	1.62	< 10	< 1	0.13	10	0.56	135	< 1
T 16283	201 229	0.2	1.05	< 2	100	< 0.5	< 2	0.19	< 0.5	4	15	7	1.65	< 10	< 1	0.09	10	0.44	145	< 1
T 16284	201 229	0.2	1.11	2	100	< 0.5	< 2	0.20	< 0.5	5	17	6	1.63	< 10	< 1	0.09	10	0.47	195	< 1
T 16285	201 229	0.2	1.25	4	110	< 0.5	< 2	0.15	< 0.5	4	19	12	1.31	< 10	< 1	0.06	10	0.39	100	< 1
T 16286	201 229	0.2	1.43	8	130	< 0.5	< 2	0.19	< 0.5	10	20	10	2.05	< 10	< 1	0.09	20	0.48	775	< 1
T 16287	201 229	0.2	1.59	10	140	< 0.5	< 2	0.26	< 0.5	5	23	9	1.98	< 10	< 1	0.11	20	0.57	230	< 1
T 16288	201 229	0.2	1.53	2	130	< 0.5	< 2	0.21	< 0.5	4	23	8	1.84	< 10	< 1	0.10	20	0.45	145	< 1
T 16289	201 229	< 0.2	0.76	2	70	< 0.5	< 2	0.11	< 0.5	2	11	4	0.85	< 10	< 1	0.06	10	0.17	180	< 1
T 16290	201 229	0.2	1.65	4	150	< 0.5	< 2	0.26	< 0.5	4	23	6	1.77	< 10	< 1	0.11	20	0.52	155	< 1
T 16291	201 229	< 0.2	1.15	4	120	< 0.5	< 2	0.23	< 0.5	3	16	4	1.27	< 10	< 1	0.09	20	0.35	120	< 1
T 16292	201 229	0.2	1.39	4	140	< 0.5	< 2	0.27	< 0.5	4	20	7	1.96	< 10	< 1	0.11	20	0.43	170	< 1
T 16293	201 229	0.2	1.11	4	110	< 0.5	< 2	0.22	< 0.5	4	15	4	1.62	< 10	< 1	0.10	10	0.35	250	< 1
T 16294	201 229	< 0.2	1.16	2	110	< 0.5	< 2	0.31	< 0.5	3	12	4	1.39	< 10	< 1	0.18	20	0.43	165	< 1
T 16295	201 229	0.2	1.07	< 2	110	< 0.5	< 2	0.26	< 0.5	4	15	6	1.49	< 10	< 1	0.11	10	0.36	230	< 1
T 16296	201 229	0.2	1.02	2	90	< 0.5	< 2	0.17	< 0.5	3	14	4	1.58	< 10	< 1	0.08	10	0.33	155	< 1
T 16297	201 229	< 0.2	0.74	< 2	70	< 0.5	< 2	0.10	< 0.5	1	11	3	1.03	< 10	< 1	0.08	10	0.19	90	< 1
T 16298	201 229	0.2	1.31	< 2	150	< 0.5	< 2	0.20	< 0.5	4	18	7	1.76	< 10	< 1	0.08	20	0.38	160	< 1
T 16299	201 229	0.4	0.80	2	180	< 0.5	< 2	0.51	< 0.5	1	15	9	0.97	< 10	< 1	0.06	20	0.19	55	< 1
T 16300	201 229	0.2	1.38	6	140	< 0.5	< 2	0.26	< 0.5	4	19	7	1.84	< 10	< 1	0.11	10	0.49	155	< 1
T 16301	201 229	0.2	1.25	4	110	< 0.5	< 2	0.23	< 0.5	3	17	5	1.54	< 10	< 1	0.10	20	0.41	145	< 1

CERTIFICATION: *Phai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

to: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

Pages : 5-B  
 Total Pages : 5  
 Certificate Date: 19-SEP-92  
 Invoice No. : 19221240  
 P.O. Number :  
 Account : F

Project : KLONDDIKE (BAL)  
 Comments:

## CERTIFICATE OF ANALYSIS A9221240

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
T 16262	201	229	0.02	4	370	8	< 2	1	15	0.03	< 10	< 10	17	< 10	22
T 16263	201	229	< 0.01	6	410	12	< 2	1	16	0.04	< 10	< 10	29	< 10	32
T 16264	201	229	< 0.01	7	330	10	< 2	2	18	0.04	< 10	< 10	23	< 10	38
T 16265	201	229	< 0.01	5	300	18	< 2	2	17	0.04	< 10	< 10	19	< 10	30
T 16266	201	229	0.01	3	330	10	< 2	1	17	0.03	10	< 10	18	< 10	32
T 16267	201	229	0.01	5	320	10	< 2	1	13	0.03	10	< 10	18	< 10	32
T 16268	201	229	0.01	8	360	12	< 2	2	18	0.06	< 10	< 10	25	< 10	44
T 16269	201	229	0.01	8	410	16	< 2	2	18	0.05	< 10	< 10	21	< 10	46
T 16270	201	229	0.01	10	460	18	< 2	3	19	0.07	< 10	< 10	36	< 10	58
T 16271	201	229	< 0.01	9	340	14	< 2	2	21	0.07	< 10	< 10	30	< 10	52
T 16272	201	229	< 0.01	9	340	16	< 2	2	22	0.06	< 10	< 10	30	< 10	54
T 16273	201	229	< 0.01	9	330	20	< 2	3	24	0.08	< 10	< 10	33	< 10	56
T 16274	201	229	< 0.01	10	350	22	< 2	3	27	0.08	< 10	< 10	30	< 10	52
T 16275	201	229	0.01	11	350	24	< 2	3	30	0.09	< 10	< 10	36	< 10	58
T 16276	201	229	< 0.01	3	130	18	< 2	2	30	0.02	10	< 10	8	< 10	38
T 16277	201	229	< 0.01	9	410	22	< 2	3	28	0.07	< 10	< 10	30	< 10	58
T 16278	201	229	< 0.01	8	280	18	< 2	3	30	0.06	< 10	< 10	25	< 10	52
T 16279	201	229	0.01	8	420	20	< 2	3	41	0.07	< 10	< 10	22	< 10	60
T 16280	201	229	0.01	11	460	20	< 2	3	38	0.09	< 10	< 10	37	< 10	66
T 16281	201	229	0.01	7	280	16	< 2	2	38	0.07	< 10	< 10	24	< 10	70
T 16282	201	229	< 0.01	10	440	14	< 2	2	26	0.08	< 10	< 10	29	< 10	56
T 16283	201	229	< 0.01	9	390	14	< 2	2	19	0.06	< 10	< 10	30	< 10	50
T 16284	201	229	< 0.01	9	420	14	< 2	2	20	0.06	< 10	< 10	29	< 10	54
T 16285	201	229	0.01	9	700	20	< 2	1	14	0.03	< 10	< 10	23	< 10	38
T 16286	201	229	0.01	11	560	12	< 2	2	19	0.06	< 10	< 10	35	< 10	54
T 16287	201	229	0.01	13	520	12	< 2	3	25	0.07	< 10	< 10	40	< 10	60
T 16288	201	229	0.01	11	510	14	< 2	3	19	0.06	< 10	< 10	39	< 10	52
T 16289	201	229	0.03	3	320	6	< 2	1	11	0.04	10	< 10	21	< 10	20
T 16290	201	229	0.01	12	510	20	< 2	3	25	0.08	< 10	< 10	35	< 10	56
T 16291	201	229	0.02	8	450	8	< 2	2	24	0.07	< 10	< 10	24	< 10	40
T 16292	201	229	0.01	10	440	14	< 2	3	27	0.08	< 10	< 10	32	< 10	52
T 16293	201	229	< 0.01	7	400	12	< 2	2	27	0.07	< 10	< 10	32	< 10	44
T 16294	201	229	< 0.01	6	550	10	< 2	2	39	0.07	< 10	< 10	23	< 10	48
T 16295	201	229	0.01	8	480	8	< 2	2	27	0.06	< 10	< 10	26	< 10	42
T 16296	201	229	0.01	7	520	10	< 2	1	18	0.05	< 10	< 10	31	< 10	40
T 16297	201	229	0.01	4	370	8	< 2	1	12	0.03	< 10	< 10	16	< 10	26
T 16298	201	229	0.01	9	470	16	< 2	2	20	0.05	< 10	< 10	34	< 10	48
T 16299	201	229	0.01	6	1070	16	< 2	1	33	0.01	< 10	< 10	15	< 10	24
T 16300	201	229	0.01	11	480	12	< 2	2	25	0.07	< 10	< 10	37	< 10	52
T 16301	201	229	0.01	10	390	12	< 2	2	23	0.07	< 10	< 10	27	< 10	48

CERTIFICATION:

*Phai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127  
 WHITEHORSE, YT  
 Y1A 3S9

Project : KLONDDIKE (BAL)  
 Comments:

Page : 1-A  
 Total Pages : 3  
 Certificate Date: 18-SEP-92  
 Invoice No. : 19221241  
 P.O. Number :  
 Account : F

## CERTIFICATE OF ANALYSIS A9221241

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T 16302	201 229	0.2	1.95	6	140	< 0.5	< 2	0.27	< 0.5	5	26	13	2.45	10	< 1	0.18	20	0.56	250	< 1
T 16303	201 229	< 0.2	1.70	18	140	< 0.5	< 2	0.25	< 0.5	4	19	10	2.24	10	< 1	0.20	30	0.58	310	< 1
T 16304	201 229	< 0.2	1.74	< 2	140	< 0.5	< 2	0.22	< 0.5	2	20	10	1.41	< 10	< 1	0.19	20	0.53	160	< 1
T 16305	201 229	< 0.2	1.69	14	130	< 0.5	< 2	0.26	< 0.5	5	22	10	2.12	< 10	< 1	0.15	20	0.52	235	1
T 16306	201 229	< 0.2	0.86	8	60	< 0.5	< 2	0.09	< 0.5	1	7	3	0.81	< 10	< 1	0.12	20	0.61	125	1
T 16307	201 229	< 0.2	1.13	2	100	< 0.5	< 2	0.09	< 0.5	2	8	6	1.19	< 10	< 1	0.27	40	0.69	170	< 1
T 16308	201 229	< 0.2	1.21	10	70	< 0.5	< 2	0.09	< 0.5	1	8	4	1.08	< 10	< 1	0.19	30	0.88	135	< 1
T 16309	201 229	< 0.2	1.12	12	70	< 0.5	< 2	0.10	< 0.5	2	11	7	1.31	< 10	< 1	0.12	20	0.61	120	< 1
T 16310	201 229	< 0.2	1.03	< 2	100	< 0.5	< 2	0.11	< 0.5	2	9	7	1.16	< 10	2	0.20	30	0.59	145	1
T 16311	201 229	< 0.2	1.15	16	130	< 0.5	< 2	0.11	< 0.5	< 1	4	4	0.88	< 10	< 1	0.53	60	1.02	185	< 1
T 16312	201 229	< 0.2	0.88	< 2	110	< 0.5	< 2	0.11	< 0.5	1	2	3	0.70	< 10	< 1	0.48	40	0.86	205	< 1
T 16313	201 229	< 0.2	0.93	14	90	< 0.5	< 2	0.09	< 0.5	1	4	3	0.73	< 10	< 1	0.36	40	0.72	130	< 1
T 16314	201 229	< 0.2	1.12	14	90	< 0.5	< 2	0.10	< 0.5	3	7	4	1.15	< 10	< 1	0.22	50	0.69	175	< 1
T 16315	201 229	< 0.2	0.96	2	70	< 0.5	< 2	0.11	< 0.5	1	6	3	0.78	< 10	< 1	0.14	30	0.52	80	< 1
T 16316	201 229	< 0.2	1.05	< 2	70	< 0.5	< 2	0.12	< 0.5	1	5	2	0.70	< 10	< 1	0.10	40	0.43	85	< 1
T 16317	201 229	0.2	0.65	12	40	< 0.5	< 2	0.06	< 0.5	< 1	3	2	0.52	< 10	< 1	0.17	30	0.26	80	< 1
T 16318	201 229	< 0.2	0.95	6	90	< 0.5	< 2	0.09	< 0.5	1	6	4	0.81	< 10	< 1	0.20	30	0.37	115	< 1
T 16319	201 229	< 0.2	0.92	< 2	100	< 0.5	< 2	0.08	< 0.5	1	3	3	0.98	< 10	< 1	0.26	40	0.35	460	< 1
T 16320	201 229	0.2	1.12	2	120	< 0.5	< 2	0.08	< 0.5	1	7	5	1.02	< 10	< 1	0.35	40	0.66	190	< 1
T 16321	201 229	0.2	0.95	< 2	100	< 0.5	< 2	0.09	< 0.5	1	4	2	0.72	< 10	< 1	0.44	60	0.65	160	< 1
T 16322	201 229	0.2	1.09	2	110	< 0.5	< 2	0.13	< 0.5	1	8	5	0.92	< 10	< 1	0.22	50	0.64	110	< 1
T 16323	201 229	0.2	0.89	6	70	< 0.5	< 2	0.09	< 0.5	2	11	8	1.10	< 10	< 1	0.10	30	0.36	95	< 1
T 16324	201 229	< 0.2	0.80	4	40	< 0.5	< 2	0.07	< 0.5	2	10	6	1.08	< 10	< 1	0.08	20	0.34	100	< 1
T 16325	201 229	0.2	0.99	2	80	< 0.5	< 2	0.11	< 0.5	3	12	9	1.41	< 10	< 1	0.10	60	0.40	130	< 1
T 16326	201 229	0.2	1.33	< 2	100	< 0.5	< 2	0.16	< 0.5	2	9	10	1.62	< 10	< 1	0.52	30	0.90	195	1
T 16327	201 229	0.2	1.17	10	90	< 0.5	< 2	0.10	< 0.5	2	9	8	1.46	< 10	< 1	0.38	20	0.82	160	< 1
T 16328	201 229	0.2	1.54	2	120	< 0.5	< 2	0.18	< 0.5	4	13	13	1.83	< 10	< 1	0.36	30	0.91	205	1
T 16329	201 229	0.2	0.99	< 2	80	< 0.5	< 2	0.12	< 0.5	2	9	10	1.29	< 10	1	0.27	30	0.50	160	< 1
T 16330	201 229	< 0.2	1.10	2	80	< 0.5	< 2	0.14	< 0.5	3	12	8	1.44	< 10	< 1	0.18	30	0.56	185	< 1
T 16331	201 229	< 0.2	1.09	< 2	80	< 0.5	< 2	0.12	< 0.5	2	10	9	1.50	< 10	< 1	0.32	20	0.66	195	< 1
T 16332	201 229	0.2	1.21	< 2	90	< 0.5	< 2	0.09	< 0.5	3	8	10	1.50	< 10	< 1	0.49	20	0.82	200	1
T 16333	201 229	< 0.2	0.82	< 2	60	< 0.5	< 2	0.04	< 0.5	1	5	9	1.28	< 10	2	0.36	20	0.50	185	< 1
T 16334	201 229	0.2	1.00	6	60	< 0.5	< 2	0.09	< 0.5	2	12	8	1.51	< 10	< 1	0.15	20	0.34	175	1
T 16335	201 229	0.2	0.99	< 2	80	< 0.5	< 2	0.08	< 0.5	3	9	12	1.65	< 10	< 1	0.25	40	0.49	185	1
T 16336	201 229	0.2	0.94	< 2	70	< 0.5	< 2	0.06	< 0.5	1	6	11	1.53	< 10	< 1	0.33	30	0.56	160	1
T 16337	201 229	< 0.2	1.01	< 2	60	< 0.5	< 2	0.09	< 0.5	3	9	11	1.60	< 10	< 1	0.30	30	0.54	155	< 1
T 16338	201 229	< 0.2	0.86	2	70	< 0.5	< 2	0.17	< 0.5	2	6	8	1.17	< 10	< 1	0.23	20	0.48	165	< 1
T 16339	201 229	0.2	0.68	< 2	70	< 0.5	< 2	0.06	< 0.5	1	< 1	3	0.65	< 10	< 1	0.23	30	0.39	120	< 1
T 16340	201 229	< 0.2	1.72	12	120	< 0.5	< 2	0.20	< 0.5	6	22	16	2.17	< 10	< 1	0.11	30	0.53	220	1
T 16341	201 229	< 0.2	1.95	2	130	< 0.5	< 2	0.23	< 0.5	8	25	16	2.37	< 10	1	0.09	10	0.48	195	1

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Project : KLONDDIKE (BAL)  
Comments:

## CERTIFICATE OF ANALYSIS A9221241

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T 16302	201 229	0.01	13	550	16	< 2	4	29	0.09	< 10	< 10	46	10	66
T 16303	201 229	0.01	10	460	8	< 2	3	35	0.08	< 10	< 10	39	10	64
T 16304	201 229	0.01	9	430	16	< 2	2	26	0.09	< 10	< 10	27	< 10	56
T 16305	201 229	0.01	11	460	8	< 2	3	29	0.09	< 10	< 10	40	10	62
T 16306	201 229	< 0.01	3	200	16	< 2	1	9	0.04	< 10	< 10	11	< 10	46
T 16307	201 229	< 0.01	3	310	8	< 2	1	11	0.06	< 10	< 10	15	< 10	44
T 16308	201 229	< 0.01	4	250	4	< 2	1	8	0.05	< 10	< 10	13	< 10	42
T 16309	201 229	0.01	6	300	8	< 2	1	11	0.06	< 10	< 10	24	10	38
T 16310	201 229	< 0.01	4	220	18	< 2	1	10	0.05	< 10	< 10	17	< 10	54
T 16311	201 229	< 0.01	3	240	18	< 2	1	11	0.04	< 10	< 10	5	< 10	58
T 16312	201 229	< 0.01	2	310	14	< 2	< 1	11	0.03	< 10	< 10	3	< 10	44
T 16313	201 229	< 0.01	3	210	18	< 2	1	10	0.03	< 10	< 10	6	< 10	44
T 16314	201 229	< 0.01	3	180	14	< 2	2	16	0.04	< 10	< 10	16	< 10	58
T 16315	201 229	< 0.01	2	220	14	< 2	1	18	0.03	< 10	< 10	11	< 10	34
T 16316	201 229	< 0.01	1	120	14	< 2	1	23	0.02	< 10	< 10	8	< 10	42
T 16317	201 229	< 0.01	< 1	70	12	< 2	< 1	12	0.02	< 10	< 10	3	< 10	24
T 16318	201 229	< 0.01	3	230	16	< 2	1	18	0.03	< 10	< 10	8	< 10	32
T 16319	201 229	< 0.01	1	110	20	< 2	1	12	0.02	< 10	< 10	6	< 10	32
T 16320	201 229	< 0.01	3	150	10	< 2	2	13	0.04	< 10	< 10	12	< 10	72
T 16321	201 229	< 0.01	< 1	310	18	< 2	1	13	0.03	< 10	< 10	4	< 10	48
T 16322	201 229	< 0.01	4	150	22	< 2	1	18	0.04	< 10	< 10	14	< 10	46
T 16323	201 229	0.01	5	180	14	< 2	1	11	0.05	< 10	< 10	23	< 10	36
T 16324	201 229	< 0.01	5	160	8	< 2	1	8	0.04	< 10	< 10	20	< 10	34
T 16325	201 229	< 0.01	7	280	24	< 2	2	11	0.04	< 10	< 10	23	< 10	40
T 16326	201 229	< 0.01	7	520	22	< 2	2	13	0.08	< 10	< 10	17	10	64
T 16327	201 229	< 0.01	5	310	8	< 2	2	11	0.07	< 10	< 10	19	< 10	48
T 16328	201 229	< 0.01	10	510	16	< 2	2	14	0.08	< 10	< 10	25	10	64
T 16329	201 229	0.01	6	280	18	< 2	1	13	0.07	< 10	< 10	19	< 10	44
T 16330	201 229	0.01	8	220	16	< 2	2	13	0.08	< 10	< 10	27	10	46
T 16331	201 229	< 0.01	7	250	18	< 2	1	12	0.08	< 10	< 10	22	< 10	60
T 16332	201 229	< 0.01	8	260	14	< 2	2	9	0.10	< 10	< 10	18	< 10	52
T 16333	201 229	< 0.01	4	130	12	< 2	1	7	0.07	< 10	< 10	15	< 10	52
T 16334	201 229	0.01	6	180	18	< 2	1	11	0.06	< 10	< 10	26	< 10	42
T 16335	201 229	0.01	7	270	22	< 2	2	9	0.07	< 10	< 10	22	< 10	60
T 16336	201 229	< 0.01	6	220	20	< 2	1	7	0.07	< 10	< 10	17	< 10	58
T 16337	201 229	< 0.01	7	340	18	2	2	9	0.08	< 10	< 10	21	< 10	50
T 16338	201 229	< 0.01	4	490	14	< 2	1	14	0.05	< 10	< 10	15	< 10	42
T 16339	201 229	< 0.01	1	230	34	< 2	1	17	0.01	< 10	< 10	2	< 10	50
T 16340	201 229	0.01	13	360	22	< 2	4	19	0.09	< 10	< 10	44	10	52
T 16341	201 229	0.01	15	370	18	< 2	4	19	0.09	< 10	< 10	52	10	52

CERTIFICATION:

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Project : KLONDDIKE (BAL)  
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## CERTIFICATE OF ANALYSIS A9221241

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T 16342	201 229	< 0.2	0.80	6	70	< 0.5	< 2	0.07	< 0.5	1	5	9	1.27	< 10	< 1	0.09	10	0.27	95	< 1
T 16343	201 229	0.2	0.93	< 2	90	< 0.5	< 2	0.15	< 0.5	3	6	11	1.22	< 10	< 1	0.29	20	0.62	110	1
T 16344	201 229	0.2	1.17	< 2	90	< 0.5	< 2	0.20	< 0.5	3	15	7	1.37	< 10	< 1	0.18	10	0.52	100	< 1
T 16345	201 229	0.2	0.93	2	140	< 0.5	< 2	0.30	< 0.5	2	9	8	1.07	< 10	< 1	0.09	40	0.29	210	< 1
T 16346	201 229	0.2	0.67	2	70	< 0.5	< 2	0.07	< 0.5	1	3	5	0.82	< 10	< 1	0.16	30	0.37	110	< 1
T 16347	201 229	0.4	0.66	< 2	80	< 0.5	< 2	0.05	< 0.5	1	4	3	0.83	< 10	1	0.08	40	0.27	70	< 1
T 16348	201 229	< 0.2	1.04	2	60	< 0.5	< 2	0.03	< 0.5	< 1	5	3	1.06	< 10	< 1	0.12	20	0.38	75	< 1
T 16349	201 229	< 0.2	0.50	< 2	40	< 0.5	< 2	< 0.01	< 0.5	< 1	1	2	0.74	< 10	< 1	0.11	10	0.17	45	< 1
T 16350	201 229	0.2	0.79	4	50	< 0.5	< 2	0.03	< 0.5	< 1	4	3	1.07	< 10	< 1	0.12	< 10	0.29	60	< 1
T 16351	201 229	0.2	0.99	< 2	70	< 0.5	< 2	0.04	< 0.5	2	9	6	1.43	< 10	< 1	0.11	10	0.16	95	< 1
T 16352	201 229	< 0.2	0.86	< 2	40	< 0.5	< 2	0.06	< 0.5	< 1	4	5	1.32	< 10	< 1	0.15	20	0.24	105	< 1
T 16353	201 229	< 0.2	0.59	6	40	< 0.5	< 2	0.03	< 0.5	1	2	4	1.14	< 10	< 1	0.11	10	0.16	190	< 1
T 16354	201 229	< 0.2	0.73	< 2	40	< 0.5	< 2	0.08	< 0.5	< 1	4	3	0.92	< 10	< 1	0.07	10	0.23	65	< 1
T 16402	201 229	0.4	2.04	24	330	< 0.5	< 2	1.03	< 0.5	16	69	34	3.46	10	< 1	0.13	20	1.13	870	1
T 16403	201 229	0.6	1.03	2	230	< 0.5	< 2	0.33	< 0.5	6	16	39	2.38	< 10	< 1	0.07	10	0.20	235	3
T 16404	201 229	0.4	2.40	2	530	< 0.5	< 2	0.49	< 0.5	15	67	42	3.59	10	< 1	0.11	10	1.30	775	3
T 16406	201 229	0.2	2.27	6	260	0.5	< 2	0.25	< 0.5	11	62	24	3.36	10	2	0.09	10	1.23	535	2
T 16407	201 229	0.2	3.14	4	360	0.5	< 2	0.64	< 0.5	19	109	37	4.09	10	< 1	0.12	10	1.99	825	< 1
T 16409	201 229	0.4	2.97	< 2	560	0.5	< 2	0.80	< 0.5	14	152	32	3.73	10	4	0.21	10	2.07	1150	1
T 16410	201 229	0.2	2.92	< 2	560	0.5	< 2	1.05	< 0.5	19	204	39	4.41	10	1	0.20	10	2.37	915	1
T 16411	201 229	0.2	2.34	< 2	380	0.5	< 2	0.52	< 0.5	14	70	39	3.55	10	< 1	0.09	10	1.29	790	1
T 16412	201 229	0.2	1.17	16	270	0.5	< 2	0.47	< 0.5	14	28	23	3.08	< 10	1	0.08	20	0.58	1215	1
T 16413	201 229	< 0.2	0.96	72	130	< 0.5	< 2	0.29	< 0.5	8	22	15	2.71	< 10	< 1	0.08	10	0.42	480	2
T 16414	201 229	< 0.2	2.81	< 2	290	0.5	6	0.50	< 0.5	26	118	30	5.52	10	< 1	0.09	10	2.03	1085	3
T 16415	201 229	< 0.2	1.14	< 2	130	< 0.5	< 2	0.35	< 0.5	7	10	9	1.39	< 10	< 1	0.18	30	0.77	675	< 1
T 16416	201 229	< 0.2	3.61	12	230	0.5	< 2	0.12	< 0.5	18	74	28	4.99	10	< 1	0.24	< 10	2.22	1160	2
T 16417	201 229	< 0.2	3.81	< 2	320	< 0.5	< 2	0.49	< 0.5	24	105	91	5.47	10	< 1	0.31	< 10	2.53	1130	2
T 16418	201 229	< 0.2	4.01	2	240	< 0.5	2	0.40	< 0.5	29	58	81	6.01	10	1	0.38	< 10	2.55	1045	2
T 16419	201 229	< 0.2	2.44	< 2	250	0.5	< 2	0.71	< 0.5	13	74	49	3.43	10	< 1	0.13	20	1.43	385	1
T 16420	201 229	0.2	2.44	< 2	320	0.5	2	1.28	< 0.5	17	70	48	3.87	10	< 1	0.20	20	1.55	790	1
T 16422	201 229	< 0.2	2.40	< 2	260	0.5	2	0.33	< 0.5	10	34	20	3.47	10	1	0.36	20	1.18	505	2
T 16423	201 229	0.2	2.23	< 2	320	0.5	< 2	0.66	< 0.5	8	31	38	3.02	10	< 1	0.39	30	1.03	560	1
T 16424	201 229	< 0.2	2.27	8	340	0.5	< 2	0.66	< 0.5	11	33	29	3.15	10	4	0.49	20	1.10	520	1
T 16425	201 229	< 0.2	2.32	< 2	390	0.5	< 2	0.51	< 0.5	10	31	34	3.08	10	< 1	0.61	20	1.09	625	1
T 16426	201 229	< 0.2	0.88	4	90	< 0.5	< 2	0.09	< 0.5	1	5	4	0.84	< 10	< 1	0.24	30	0.63	155	< 1
T 16427	201 229	0.2	1.21	2	140	< 0.5	2	0.13	< 0.5	2	14	11	1.42	10	2	0.18	40	0.64	145	< 1
T 16428	201 229	0.2	0.95	4	110	< 0.5	2	0.09	< 0.5	1	8	8	0.98	< 10	< 1	0.18	30	0.53	105	< 1
T 16429	201 229	< 0.2	1.05	< 2	110	< 0.5	< 2	0.07	< 0.5	< 1	4	4	0.79	< 10	< 1	0.24	30	0.67	95	< 1
T 16430	201 229	0.2	1.36	< 2	150	< 0.5	< 2	0.15	< 0.5	5	14	18	1.96	< 10	1	0.09	20	0.68	290	< 1
T 16431	201 229	< 0.2	1.22	< 2	150	< 0.5	< 2	0.14	< 0.5	2	14	10	1.44	< 10	< 1	0.09	30	0.68	175	< 1

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T 16342	201 229	0.02	2	210	12	< 2	1	9	0.05	< 10	< 10	22	< 10	30
T 16343	201 229	0.01	6	400	26	< 2	2	16	0.06	< 10	< 10	13	< 10	42
T 16344	201 229	0.01	7	420	20	< 2	2	20	0.09	< 10	< 10	27	< 10	44
T 16345	201 229	< 0.01	5	260	14	< 2	2	36	0.04	< 10	< 10	18	< 10	50
T 16346	201 229	< 0.01	1	160	22	< 2	< 1	10	0.02	< 10	< 10	8	< 10	34
T 16347	201 229	< 0.01	1	90	24	< 2	1	10	0.02	< 10	< 10	10	< 10	34
T 16348	201 229	< 0.01	3	80	16	< 2	1	7	0.03	< 10	< 10	15	< 10	34
T 16349	201 229	< 0.01	1	60	4	< 2	1	9	0.01	< 10	< 10	4	< 10	28
T 16350	201 229	< 0.01	3	60	6	< 2	1	6	0.02	< 10	< 10	14	< 10	42
T 16351	201 229	< 0.01	4	110	12	< 2	1	6	0.03	< 10	< 10	27	< 10	36
T 16352	201 229	< 0.01	1	250	12	< 2	1	7	0.02	< 10	< 10	11	< 10	48
T 16353	201 229	< 0.01	1	230	18	< 2	1	10	0.02	< 10	< 10	14	< 10	56
T 16354	201 229	< 0.01	1	70	16	< 2	1	17	0.01	< 10	< 10	10	< 10	38
T 16402	201 229	0.01	29	720	16	2	8	31	0.04	< 10	< 10	55	< 10	106
T 16403	201 229	0.01	14	660	16	< 2	2	18	0.01	< 10	< 10	33	< 10	60
T 16404	201 229	0.01	23	580	16	2	9	23	0.04	< 10	< 10	85	< 10	104
T 16406	201 229	0.01	18	600	4	< 2	7	16	0.04	< 10	< 10	87	< 10	92
T 16407	201 229	0.03	24	600	2	< 2	13	18	0.06	< 10	< 10	112	< 10	96
T 16409	201 229	0.02	22	890	6	< 2	15	26	0.07	< 10	< 10	108	< 10	228
T 16410	201 229	0.01	29	700	20	< 2	18	22	0.04	< 10	< 10	114	< 10	132
T 16411	201 229	0.01	26	670	8	< 2	10	21	0.04	< 10	< 10	82	< 10	78
T 16412	201 229	< 0.01	19	700	20	2	7	25	0.02	< 10	< 10	40	< 10	112
T 16413	201 229	0.01	13	550	18	< 2	3	20	0.03	< 10	< 10	44	< 10	82
T 16414	201 229	0.01	27	740	12	< 2	17	16	0.02	< 10	< 10	119	< 10	94
T 16415	201 229	< 0.01	7	370	24	< 2	2	17	0.04	< 10	< 10	16	< 10	98
T 16416	201 229	0.01	27	560	4	< 2	16	6	0.08	< 10	< 10	152	< 10	76
T 16417	201 229	0.01	27	640	10	< 2	15	13	0.09	< 10	< 10	161	< 10	114
T 16418	201 229	0.03	28	590	32	4	12	15	0.08	< 10	< 10	137	< 10	104
T 16419	201 229	0.01	31	700	2	2	11	20	0.03	< 10	< 10	71	< 10	102
T 16420	201 229	0.01	27	660	20	< 2	12	35	0.04	< 10	< 10	88	< 10	120
T 16422	201 229	< 0.01	19	830	6	2	7	16	0.08	< 10	< 10	50	< 10	132
T 16423	201 229	0.01	14	870	4	< 2	7	27	0.07	< 10	< 10	37	< 10	166
T 16424	201 229	< 0.01	18	920	12	< 2	6	25	0.11	< 10	< 10	45	< 10	126
T 16425	201 229	< 0.01	16	860	< 2	< 2	6	21	0.11	< 10	< 10	43	< 10	168
T 16426	201 229	< 0.01	2	270	12	< 2	1	10	0.03	< 10	< 10	10	< 10	50
T 16427	201 229	< 0.01	7	270	30	< 2	2	21	0.03	< 10	< 10	18	< 10	72
T 16428	201 229	< 0.01	4	250	14	< 2	1	16	0.02	< 10	< 10	13	< 10	58
T 16429	201 229	< 0.01	2	170	16	< 2	1	12	0.03	< 10	< 10	8	< 10	52
T 16430	201 229	0.01	10	430	24	2	3	17	0.04	< 10	< 10	30	< 10	76
T 16431	201 229	< 0.01	8	360	24	< 2	2	17	0.04	< 10	< 10	24	< 10	68

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T 16432	201 229	< 0.2	1.06	< 2	110	< 0.5	< 2	0.12	< 0.5	3	10	10	1.55	< 10	< 1	0.17	20	0.70	205	1
T 16433	201 229	< 0.2	1.49	10	100	< 0.5	2	0.12	< 0.5	10	20	37	3.27	< 10	< 1	0.11	20	0.91	445	3
T 16434	201 229	0.2	0.93	2	90	< 0.5	< 2	0.07	< 0.5	1	4	18	0.96	< 10	< 1	0.18	30	0.40	120	2
T 16435	201 229	0.2	1.05	< 2	150	< 0.5	< 2	0.14	< 0.5	< 1	9	6	0.97	< 10	< 1	0.24	30	0.67	260	< 1
T 16436	201 229	0.2	1.82	< 2	100	< 0.5	< 2	0.13	< 0.5	4	30	14	2.18	< 10	< 1	0.15	20	1.56	370	3
T 16437	201 229	< 0.2	0.83	2	70	< 0.5	< 2	0.08	< 0.5	< 1	6	4	0.82	< 10	< 1	0.16	20	0.40	115	< 1
T 16438	201 229	< 0.2	0.92	2	100	< 0.5	2	0.11	< 0.5	1	6	3	0.78	< 10	2	0.25	40	0.56	125	< 1
T 16439	201 229	< 0.2	0.49	4	40	< 0.5	< 2	0.03	< 0.5	1	1	2	0.43	< 10	< 1	0.12	20	0.25	50	< 1
T 16440	201 229	0.2	1.27	< 2	120	< 0.5	< 2	0.16	< 0.5	4	17	8	1.50	< 10	< 1	0.08	20	0.44	215	< 1
T 16442	201 229	< 0.2	1.54	6	100	< 0.5	< 2	0.18	< 0.5	3	15	8	1.36	< 10	< 1	0.07	40	0.71	140	1
T 16443	201 229	< 0.2	1.47	< 2	80	< 0.5	< 2	0.16	< 0.5	2	18	10	1.35	< 10	< 1	0.06	30	0.51	105	1
T 16444	201 229	< 0.2	1.19	2	110	< 0.5	< 2	0.15	< 0.5	2	15	8	1.33	< 10	< 1	0.06	10	0.39	95	< 1
T 16445	201 229	< 0.2	1.50	6	110	< 0.5	< 2	0.18	< 0.5	3	20	12	2.02	< 10	< 1	0.07	20	0.49	140	< 1
T 16446	201 229	0.4	1.42	10	110	0.5	< 2	0.19	< 0.5	3	19	15	1.78	< 10	< 1	0.08	30	0.51	140	1
T 16447	201 229	0.2	1.55	2	100	< 0.5	< 2	0.17	< 0.5	4	20	15	1.75	< 10	< 1	0.08	30	0.52	115	< 1
T 16448	201 229	0.4	1.36	8	110	< 0.5	< 2	0.17	< 0.5	3	19	13	1.76	< 10	< 1	0.08	40	0.43	130	< 1
T 16449	201 229	0.2	1.42	4	110	< 0.5	< 2	0.17	< 0.5	2	19	12	1.61	< 10	< 1	0.08	30	0.38	100	< 1
T 16450	201 229	0.2	1.38	2	110	< 0.5	2	0.16	< 0.5	3	18	13	1.58	< 10	< 1	0.08	30	0.34	90	< 1
T 17022	201 229	< 0.2	1.29	< 2	190	< 0.5	< 2	0.40	< 0.5	11	34	26	3.13	< 10	< 1	0.19	20	0.82	655	3
T 17023	201 229	0.2	1.50	2	210	< 0.5	2	0.40	< 0.5	11	32	31	3.03	10	< 1	0.25	20	0.99	940	1
T 17061	201 229	< 0.2	1.41	2	220	< 0.5	< 2	0.43	< 0.5	13	30	32	3.14	< 10	< 1	0.31	30	0.88	945	2
T 17062	201 229	0.2	1.13	< 2	90	< 0.5	4	0.19	< 0.5	3	19	14	1.39	< 10	< 1	0.07	30	0.76	160	1
T 17063	201 229	< 0.2	1.15	< 2	290	< 0.5	< 2	0.35	< 0.5	12	23	26	3.08	< 10	< 1	0.26	20	0.68	1005	2
T 17064	201 229	< 0.2	1.53	< 2	280	< 0.5	< 2	0.42	< 0.5	13	31	29	3.26	< 10	< 1	0.37	30	0.94	1150	1
T 17065	201 229	< 0.2	1.33	< 2	190	< 0.5	< 2	0.37	< 0.5	14	29	25	3.13	< 10	< 1	0.15	20	0.82	1390	2
T 17066	201 229	< 0.2	1.06	< 2	160	< 0.5	< 2	0.31	< 0.5	9	17	20	2.50	< 10	< 1	0.28	20	0.56	1145	1
T 17071	201 229	< 0.2	1.39	< 2	120	< 0.5	< 2	0.15	< 0.5	2	16	10	1.66	< 10	< 1	0.18	20	0.59	165	< 1
T 17072	201 229	< 0.2	1.45	< 2	130	< 0.5	< 2	0.14	< 0.5	1	16	9	1.51	< 10	< 1	0.19	30	0.62	160	1
T 17073	201 229	< 0.2	2.39	14	140	< 0.5	2	0.17	< 0.5	8	25	19	3.08	10	< 1	0.17	30	1.43	575	2
T 17074	201 229	0.2	0.76	< 2	60	< 0.5	< 2	0.07	< 0.5	< 1	7	6	0.90	< 10	< 1	0.05	10	0.23	75	< 1
T 17075	201 229	< 0.2	1.44	< 2	110	< 0.5	< 2	0.11	< 0.5	2	13	8	1.79	10	< 1	0.13	30	0.78	365	1
T 17076	201 229	< 0.2	1.22	< 2	130	< 0.5	< 2	0.10	< 0.5	2	7	6	1.18	< 10	2	0.31	20	0.80	255	1
T 17077	201 229	< 0.2	0.93	2	60	< 0.5	< 2	0.08	< 0.5	2	10	6	1.41	< 10	< 1	0.08	20	0.28	130	< 1
T 17078	201 229	< 0.2	1.23	< 2	80	< 0.5	< 2	0.12	< 0.5	2	7	4	1.37	< 10	1	0.40	30	0.86	280	1
T 17079	201 229	0.2	1.24	< 2	80	< 0.5	< 2	0.11	< 0.5	1	7	4	0.90	< 10	< 1	0.22	30	0.95	105	< 1
T 17080	201 229	0.2	1.03	4	70	< 0.5	< 2	0.15	< 0.5	2	9	4	0.99	< 10	< 1	0.22	40	0.66	110	< 1
T 17081	201 229	< 0.2	1.06	6	60	< 0.5	< 2	0.08	< 0.5	1	5	3	0.91	< 10	< 1	0.28	40	0.86	120	< 1
T 17118	201 229	< 0.2	0.90	< 2	40	< 0.5	2	0.08	< 0.5	1	1	2	0.77	< 10	< 1	0.34	30	0.79	110	< 1
T 17119	201 229	< 0.2	0.95	8	70	< 0.5	2	0.12	< 0.5	1	10	6	1.03	< 10	< 1	0.09	10	0.40	90	< 1
T 17120	201 229	< 0.2	1.12	< 2	100	< 0.5	< 2	0.11	< 0.5	2	13	8	1.34	< 10	< 1	0.06	20	0.42	110	< 1

CERTIFICATION:

*Jhai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

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Page : 3-B  
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 P.O. Number :  
 Account : F

Project : KLONDDIKE (BAL)  
 Comments:

## CERTIFICATE OF ANALYSIS A9221241

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T 16432	201 229	< 0.01	7	390	10	< 2	2	16	0.02	< 10	< 10	16	< 10	82
T 16433	201 229	< 0.01	14	550	80	< 2	3	20	0.02	< 10	< 10	30	10	230
T 16434	201 229	< 0.01	2	170	76	< 2	1	15	0.02	< 10	< 10	9	< 10	86
T 16435	201 229	< 0.01	2	170	26	< 2	1	25	0.02	< 10	< 10	8	< 10	94
T 16436	201 229	< 0.01	10	350	26	< 2	2	25	0.02	< 10	< 10	19	10	116
T 16437	201 229	< 0.01	2	160	18	< 2	1	14	0.03	< 10	< 10	9	< 10	38
T 16438	201 229	< 0.01	1	230	18	< 2	1	14	0.03	< 10	< 10	9	< 10	50
T 16439	201 229	< 0.01	< 1	120	10	< 2	< 1	3	< 0.01	< 10	< 10	2	< 10	32
T 16440	201 229	< 0.01	9	340	16	< 2	2	18	0.05	< 10	< 10	30	< 10	46
T 16442	201 229	< 0.01	8	280	18	< 2	3	18	0.06	< 10	< 10	25	< 10	56
T 16443	201 229	< 0.01	8	310	14	< 2	2	15	0.06	< 10	< 10	29	< 10	46
T 16444	201 229	0.02	8	300	8	< 2	2	15	0.06	< 10	< 10	30	< 10	40
T 16445	201 229	0.01	8	430	10	2	3	17	0.06	< 10	< 10	40	< 10	48
T 16446	201 229	< 0.01	11	340	50	< 2	3	16	0.07	< 10	< 10	36	< 10	64
T 16447	201 229	< 0.01	11	310	44	< 2	3	15	0.06	< 10	< 10	37	< 10	62
T 16448	201 229	< 0.01	11	380	42	< 2	3	15	0.06	< 10	< 10	36	< 10	58
T 16449	201 229	< 0.01	9	330	34	2	3	14	0.06	< 10	< 10	33	< 10	52
T 16450	201 229	< 0.01	9	370	28	< 2	3	14	0.05	< 10	< 10	34	< 10	46
T 17022	201 229	< 0.01	24	1170	18	< 2	4	21	0.05	< 10	< 10	31	10	134
T 17023	201 229	< 0.01	19	1030	18	< 2	6	15	0.06	< 10	< 10	31	10	156
T 17061	201 229	< 0.01	18	1140	16	< 2	6	15	0.07	< 10	< 10	29	10	144
T 17062	201 229	< 0.01	9	390	36	2	2	21	0.03	< 10	< 10	19	< 10	66
T 17063	201 229	< 0.01	17	910	< 2	< 2	6	12	0.04	< 10	< 10	25	10	112
T 17064	201 229	< 0.01	19	1000	6	< 2	7	14	0.07	< 10	< 10	29	10	128
T 17065	201 229	< 0.01	23	880	10	< 2	4	16	0.03	< 10	< 10	34	10	116
T 17066	201 229	< 0.01	18	820	2	< 2	3	13	0.04	< 10	< 10	21	10	102
T 17071	201 229	0.01	8	290	14	< 2	2	14	0.07	< 10	< 10	30	< 10	62
T 17072	201 229	< 0.01	8	250	12	< 2	3	14	0.07	< 10	< 10	28	< 10	64
T 17073	201 229	0.01	12	460	18	< 2	4	15	0.08	< 10	< 10	51	10	90
T 17074	201 229	0.04	1	260	8	2	< 1	8	0.03	< 10	< 10	18	< 10	24
T 17075	201 229	0.01	7	300	22	< 2	2	12	0.06	< 10	< 10	29	10	78
T 17076	201 229	0.01	4	200	16	< 2	1	11	0.04	< 10	< 10	16	< 10	72
T 17077	201 229	0.03	4	250	6	< 2	1	9	0.06	< 10	< 10	30	< 10	30
T 17078	201 229	0.01	3	350	16	< 2	1	11	0.06	< 10	< 10	18	< 10	50
T 17079	201 229	< 0.01	2	200	12	< 2	1	14	0.04	< 10	< 10	13	< 10	60
T 17080	201 229	< 0.01	3	350	14	< 2	1	12	0.05	< 10	< 10	14	< 10	38
T 17081	201 229	< 0.01	< 1	250	6	< 2	1	6	0.04	< 10	< 10	8	< 10	38
T 17118	201 229	< 0.01	1	280	4	< 2	< 1	6	0.04	< 10	< 10	3	< 10	40
T 17119	201 229	0.01	3	180	12	< 2	1	21	0.04	< 10	< 10	22	< 10	38
T 17120	201 229	0.01	7	220	6	2	2	18	0.05	< 10	< 10	30	< 10	40

CERTIFICATION:

*Phai D Ma*

APPENDIX IV  
GEOPHYSICAL REPORT, AMEROK GEOPHYSICS



# AMEROK GEOPHYSICS

Box 5709  
Whitehorse, Yukon  
Y1A 5L5

Phone (403) 668-7672

September 9, 1992

Mr. Robert Carne  
Archer Cathro and Associates (1981) Ltd.  
1016 510 West Hastings Street  
Vancouver B.C. V6B 1L8

Re: HLEM Survey at BAL and MIC Properties

Dear Mr. Carne,

This letter describes the results of a Maxmin I-9 HLEM survey conducted on the BAL Property on September 2, 1992 and on the MIC Property from September 3 to 5, 1992.

a. **Survey Description.** On the BAL Property, the survey was conducted over 2.1 line-km of cut grid and on the MIC Property, the survey covered 6.5 line-km of cut grid. Survey stations were picketed at 25 m intervals. The HLEM survey was conducted with a Maxmin I-9 (S/N 7337) manufactured by Apex Parametrics of Uxbridge ON. The instrument was used in a conventional horizontal loop configuration (MAX 1 mode). The output data consists of in-phase and out-of-phase (quadrature) measurements expressed as percentages of the transmitter field strength at the receiver. The instrument removes the free-space primary field strength at the nominal coil spacing leaving the anomalous in-phase response (the quadrature response being entirely anomalous). A 100 m coil spacing was used for a first pass over both grids and an interesting section on the MIC grid was resurveyed with a 150 m and 50 m coil spacing to provide more detailed information. The following survey frequencies were used:

<u>100 m coils</u>	<u>150 m coils</u>	<u>50 m coils</u>
220 Hz	220 Hz	880 Hz
1760 Hz	880 Hz	3520 Hz
7040 Hz	3520 Hz	7040 Hz

Readings were taken at 25 m intervals with the 100 m and 150 m coils and at 12.5 m intervals with the 50 m coils. At the 50 m coil spacing, coils were maintained coplanar during the survey. At the longer coil spacings, coils were held horizontal, station-to-station slopes were recorded and the data was numerically corrected for coil orientation error during the data processing.

b. **Data.** Using the survey procedure described above, the corrected data displayed a noise envelope in the order of  $\pm 2\%$ . Some of the survey was conducted on slopes of up to 70% and it proved difficult to completely remove terrain effects. Stacked profiles for each line and line profile maps for the 7040 Hz / 100 m coils data are appended to this letter. On all plots, in-

phase responses are shown a solid lines and quadrature responses as dashed lines. Conductor axes are shown on the line profile maps as thick black lines and are dashed where weak or inferred. For your convenience in report preparation, the MIC grid was plotted in two sections.

**c. BAL Property results.** A single weak conductor (Anomaly A) was detected by the HLEM survey. The anomaly is characterized by weak in-phase and quadrature responses on lines 150E and 250E. It does not appear to be associated with any geochemical anomalies. The survey did not detect any EM anomalies in the immediate vicinity of the geochemical anomaly centred at approximately 300S.

**d. MIC Property results.** Several conductors were detected by the HLEM survey. Anomaly B (MIC claims - South Grid) is the most significant and extends from line 1200S to 900S. It is open on strike to the south. The best response on the first pass was recorded on line 1050S and the anomalous section was resurveyed with 150 m and 50 m coil spacing. The results are summarized below:

**Apex location:** Line 1050S, 220W to 275W (apparent location from 50 m coils and 150 m coils).

**Dip:** Response asymmetry indicates very shallow apparent dip to the east. Ketola's Curves indicate an apparent dip of approximately  $15^{\circ}$  E. Corrected for topography in the area of the apex, this suggests that the conductor dips about  $30^{\circ}$  E. It is interesting to note that the apparent conductor location shifts to the west as the coil spacing is increased. For a simple conductor, the apparent apex location normally shifts down-dip as the coil spacing is increased. The observed apex shift is opposite to that expected for an easterly dip. This phenomenon suggests that the conductor is complex, perhaps consisting of a significant alteration halo east of a westerly dipping main conductor. This would cause the asymmetrical response to the east and an apparent shift in conductor apices to the west. Given the discrepancies in dip estimates, they are not reliable guides for planning any drilling.

**Depth:** Good responses were recorded at 50 m through 150 m coil spacings indicating that the conductor probably extends to within 25 m of ground surface. When plotted on characteristic curves, the 100 m coils data suggests that the top could be within 10 m of surface.

**Width:** No significant excess width is visible in the responses.

**Conductance:** Using the 100 m coils data for 1760 Hz, conductance is estimated at 2 to 4 S (mhos). This is at the low end of the range of most massive sulphide bodies. Another estimate of the nature of the conductor can be obtained from an inductive thickness plot where the ratio of peak negative in-phase to peak-negative quadrature responses are plotted versus the response parameter. For a single conductor, the only variable in the response parameter is the product of the coil spacing and frequency. If the target is "inductively thin", the IP/Q ratios for different frequency-spacing products follow a constant power law and plot as a straight line on a log-log graph. Inductively thin conductors include overburden, disseminated or very thin massive sulphide bodies. IP/Q ratios from inductively thick conductors plot on a curve which flattens with increasing response parameter. Inductively thick conductors include most massive sulphides and, unfortunately, graphite. IP/Q ratios versus response parameters for conductor B are plotted in the attached diagram. The pattern suggests that the conductor is inductively thick and is therefore probably either massive sulphide or graphite.

Anomalies C and D are on the MIC Claims - North Grid. They are weaker, are not associated with geochemical anomalies and occur in an area underlain by graphitic schist. Consequently, they may not merit further work.

**e. Recommendations:** I recommend that Anomaly B on the MIC Property be carefully evaluated in conjunction with the geochemical data and drilled if resources permit. There is considerable uncertainty in the dip estimates and it is possible that the conductor is related to the Pb soil anomaly at approximately 300W on line 1050S even though this appears to be uphill of the conductor location.

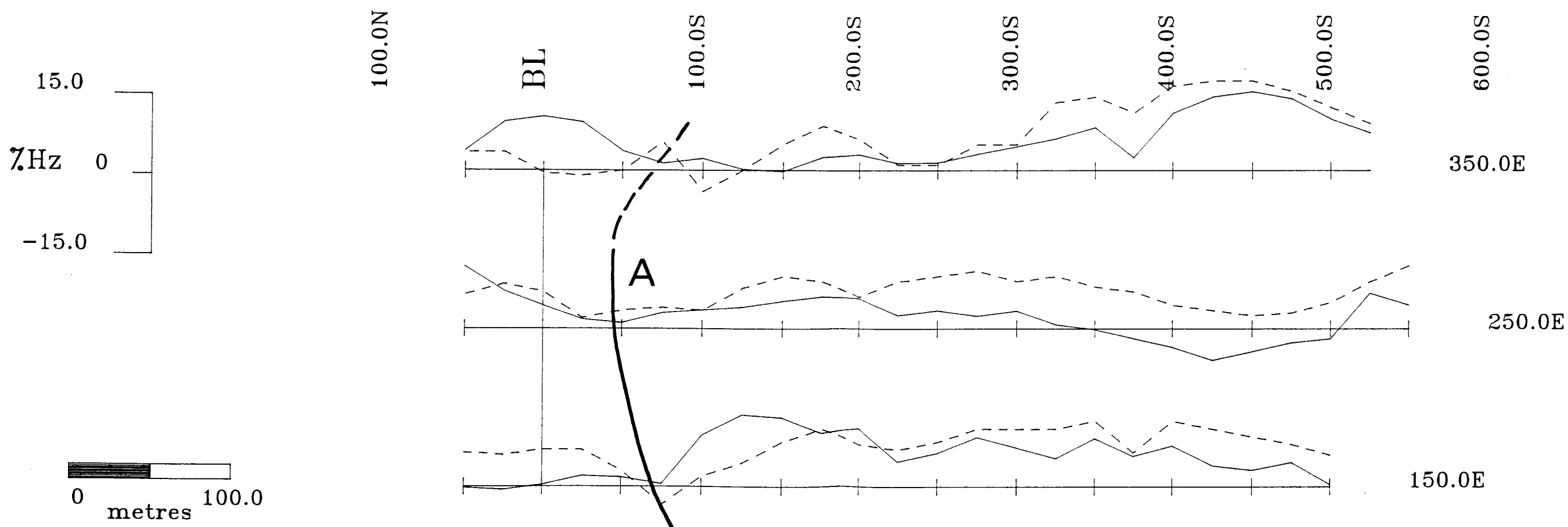
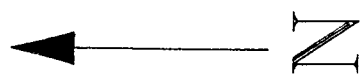
Thank you for the opportunity to work with your firm on these interesting properties. I hope that the results of this survey will contribute to a successful exploration program on the properties and look forward to working with you again.

Yours Sincerely,  
AMEROK GEOPHYSICS



M.A. Power M.Sc.  
Geophysicist

/encl.



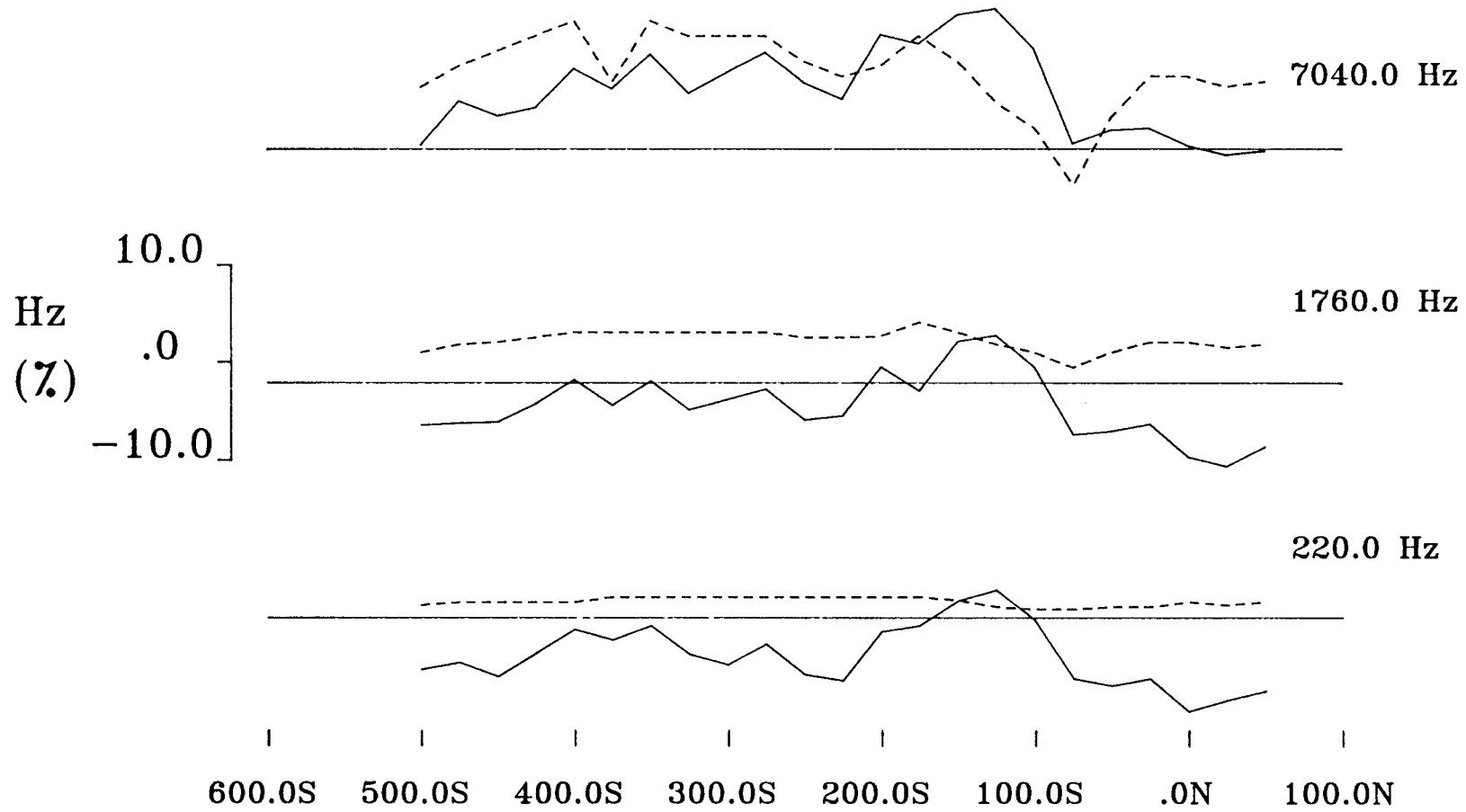
— In-phase

- - - - - Quadrature

Archer Cathro & Assoc.	Scale 1: 3000 (A)	SEP 08/92
BAL Claims Grid	NTS: 116C	M.D.: Dawson
7040 Hz - 100 m Coils	AMEROK GEOPHYSICS	

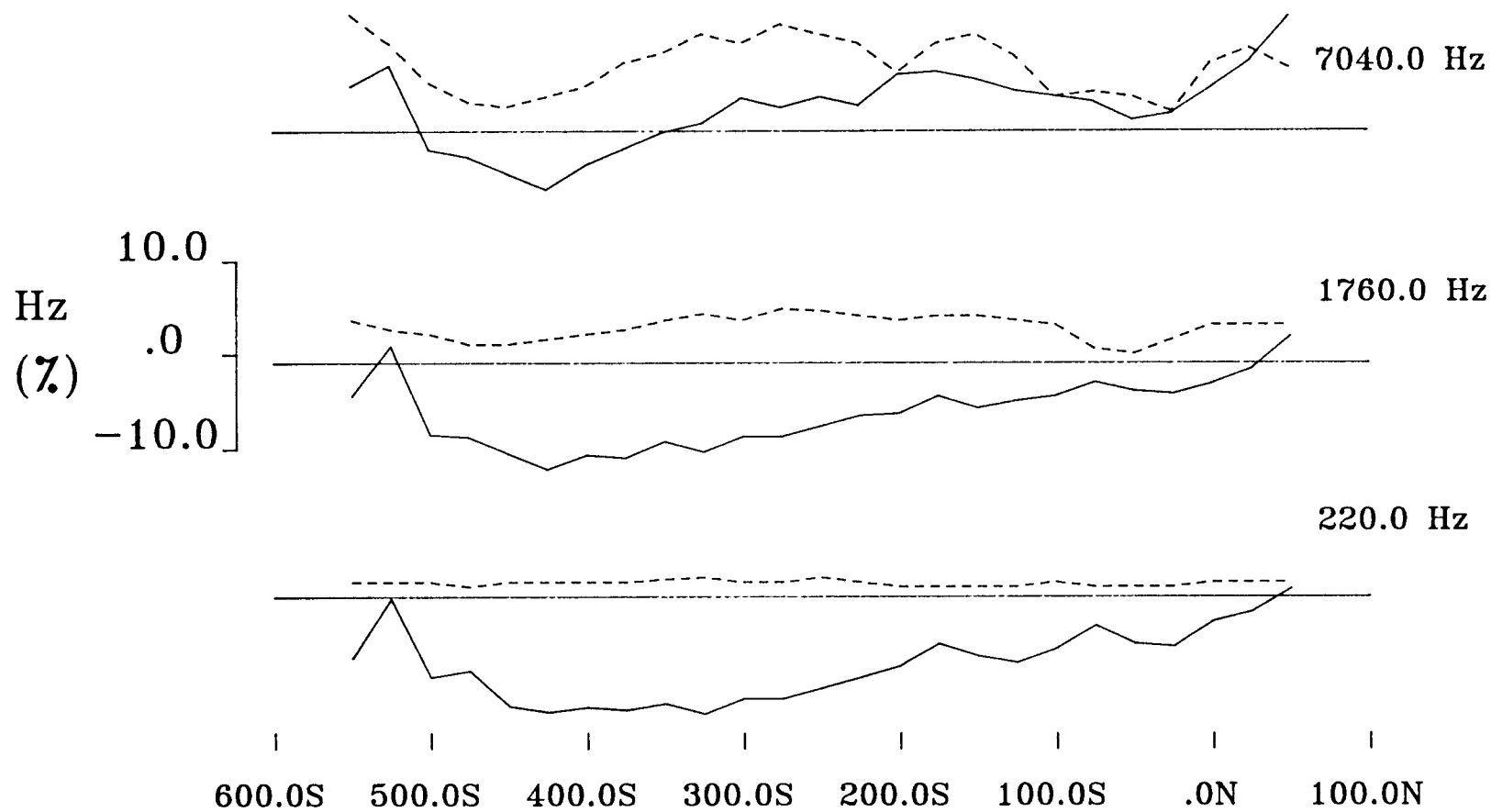
Line: 150.0E

Coil spacing: 100.0 m



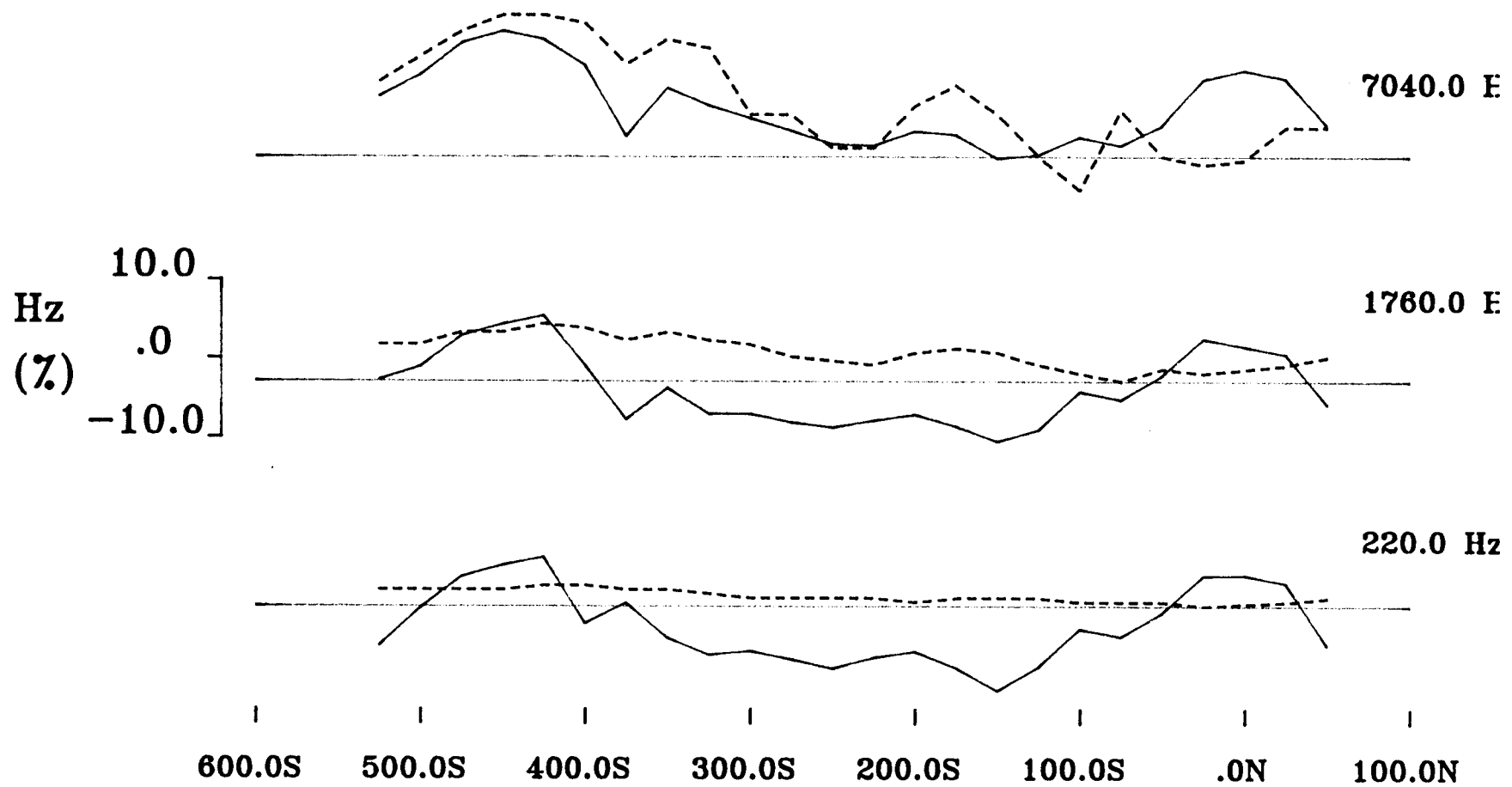
Line: 250.0E

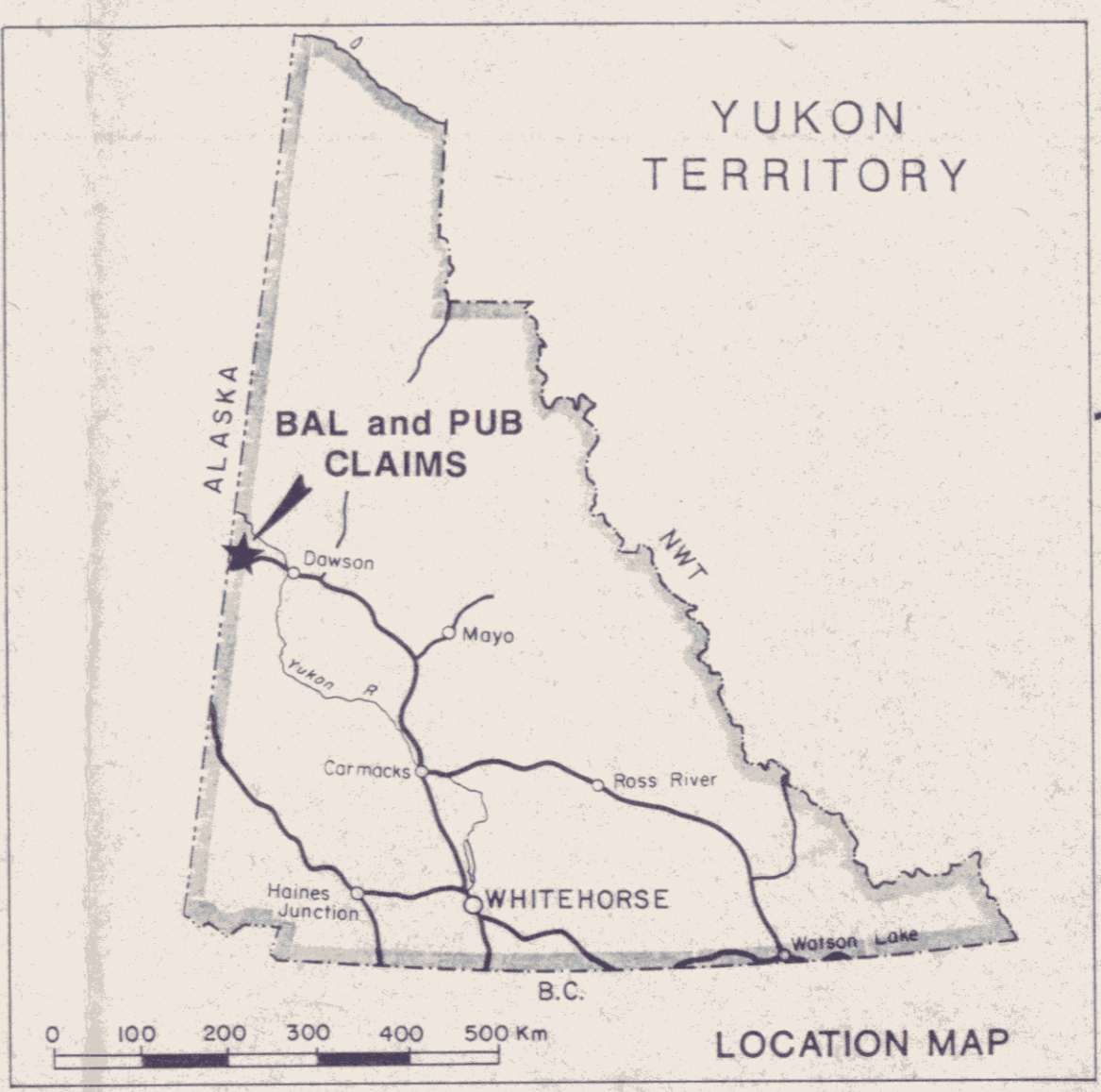
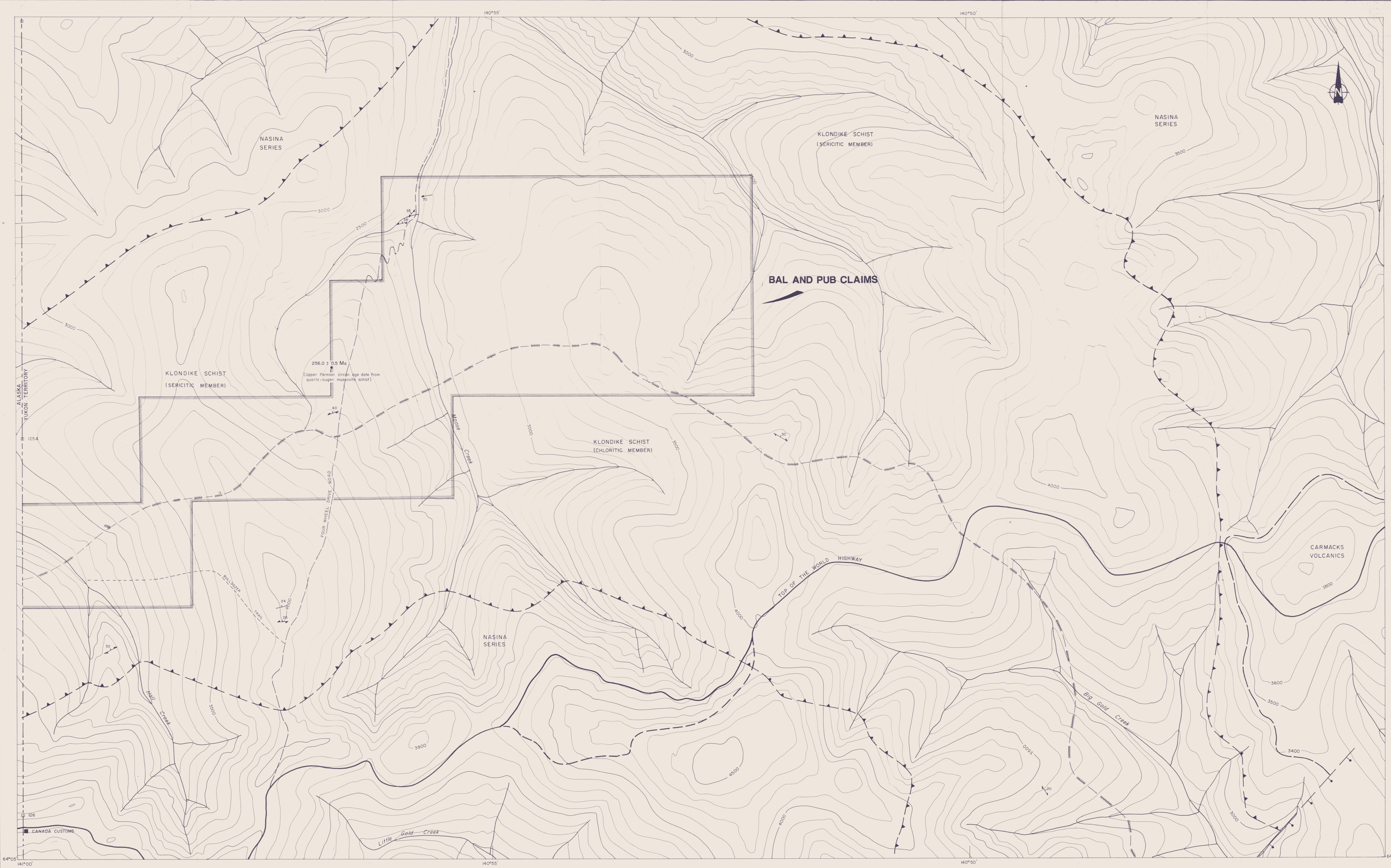
Coil spacing: 100.0 m



Line: 350.0E

Coil spacing: 100.0 m



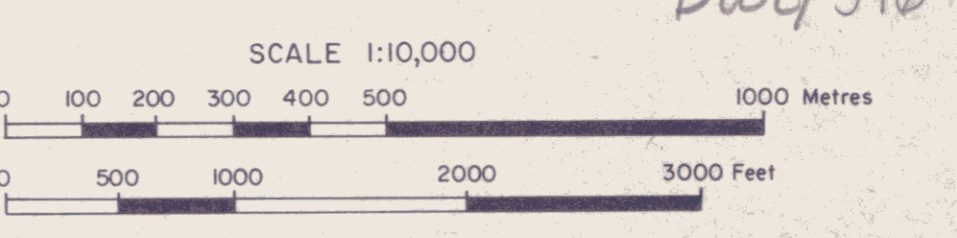


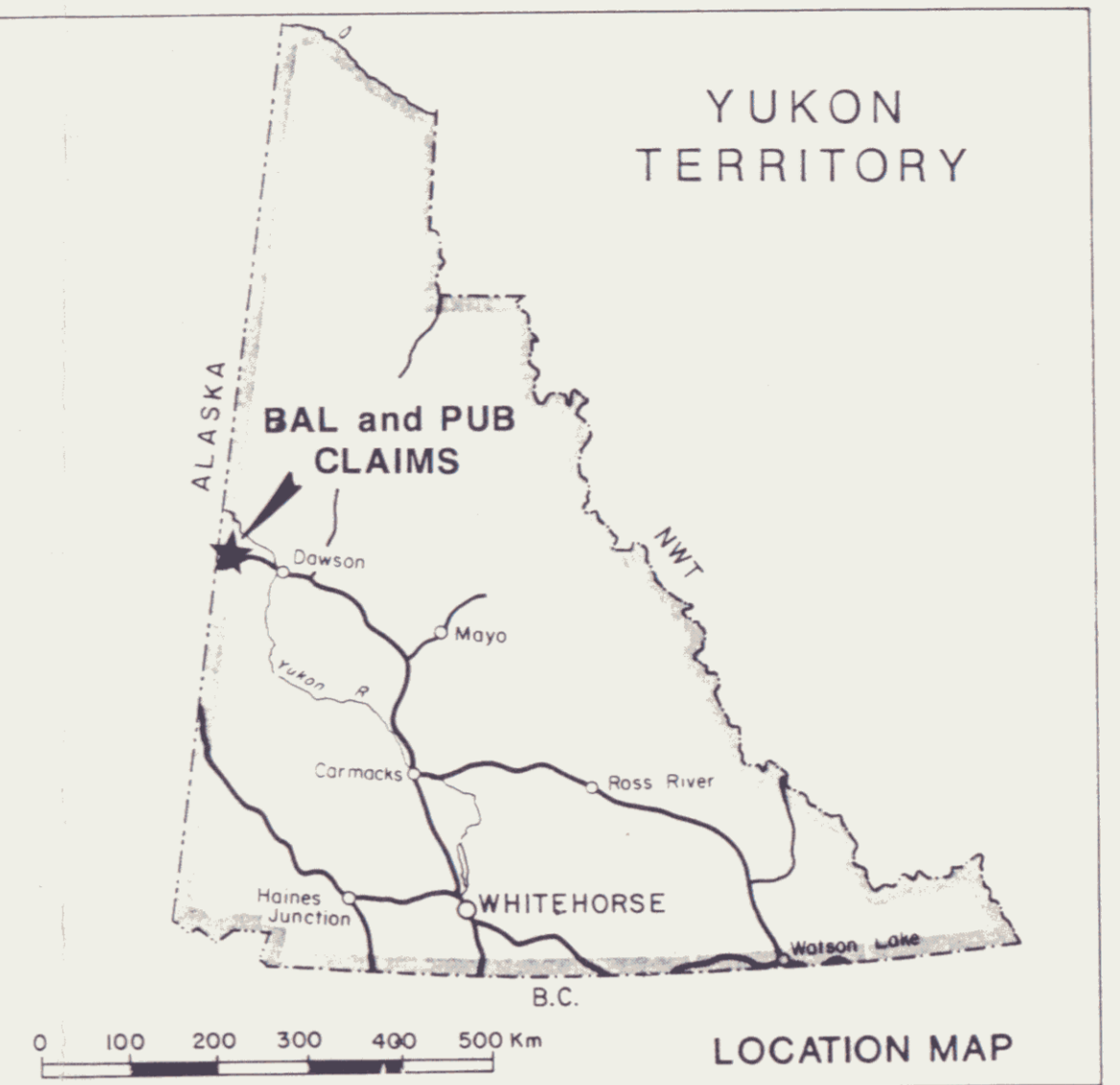
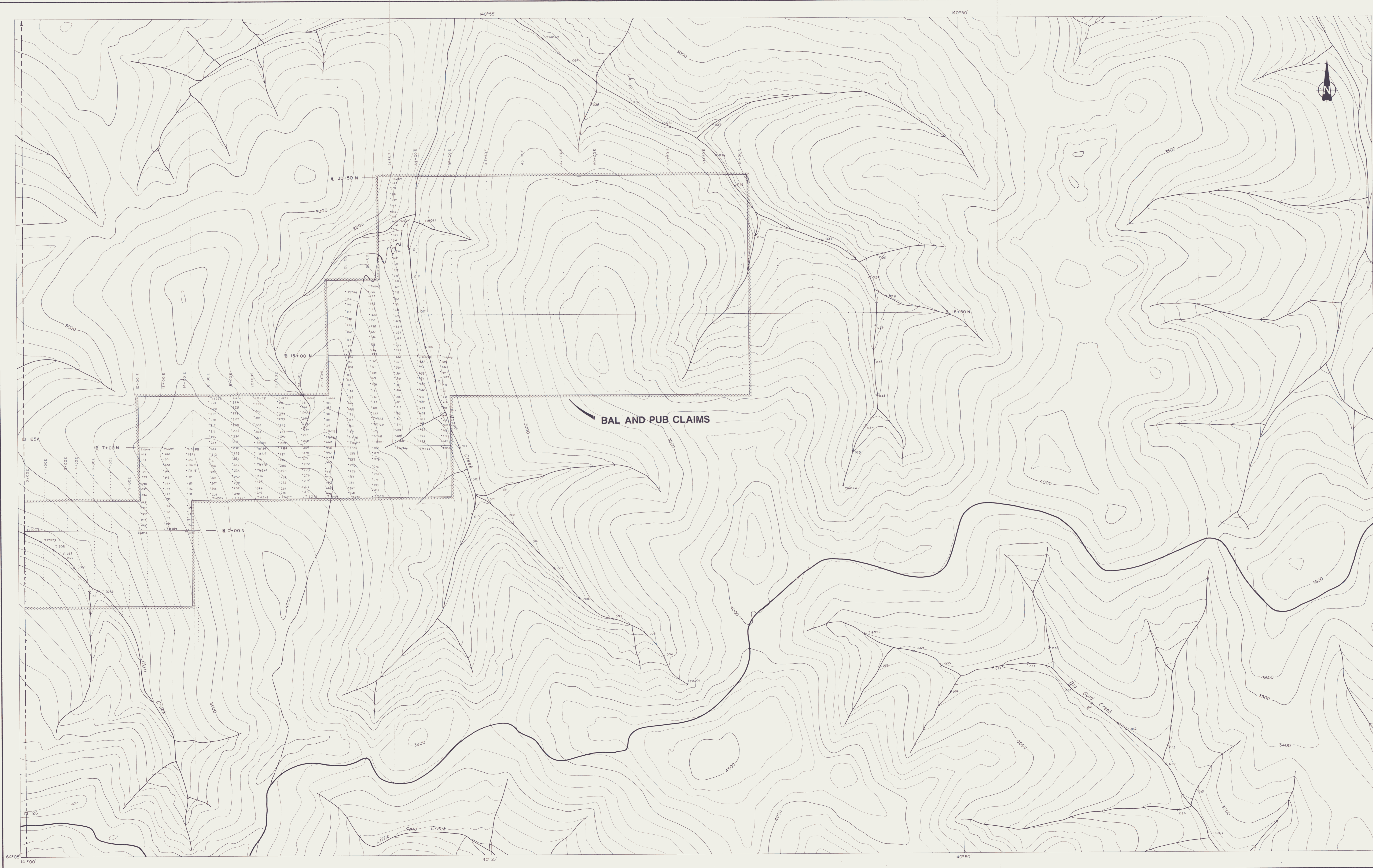
- LEGEND**
- LATE CRETACEOUS**
- Carmacks Volcanics**
- andesite flows, breccias and plugs, minor clastic sedimentary rocks.
- PERMIAN**
- Klondike Schist**
- pyritic quartz-muscovite schist, quartz and/or feldspar augen schist, chloritic schist and minor graphitic quartz-muscovite schist
- DEVONIAN to MISSISSIPPIAN**
- Nasina Series**
- grey to black graphitic quartzite and quartz-muscovite schist
- SYMBOLS**
- 36 schistosity
- 70 fold axis
- 24 compositional layering
- ▲ thrust fault
- ▼ normal fault
- projected trace of metalliferous horizon
- approximate geological contact

FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GEOLOGY**  
**093098**  
 BAL AND PUB CLAIMS  
 YGC RESOURCES LTD.

DWG 346

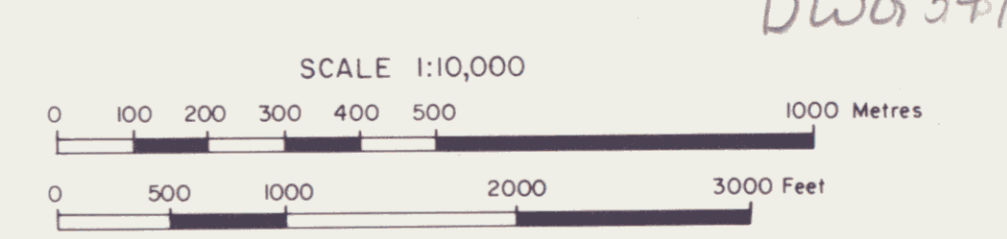




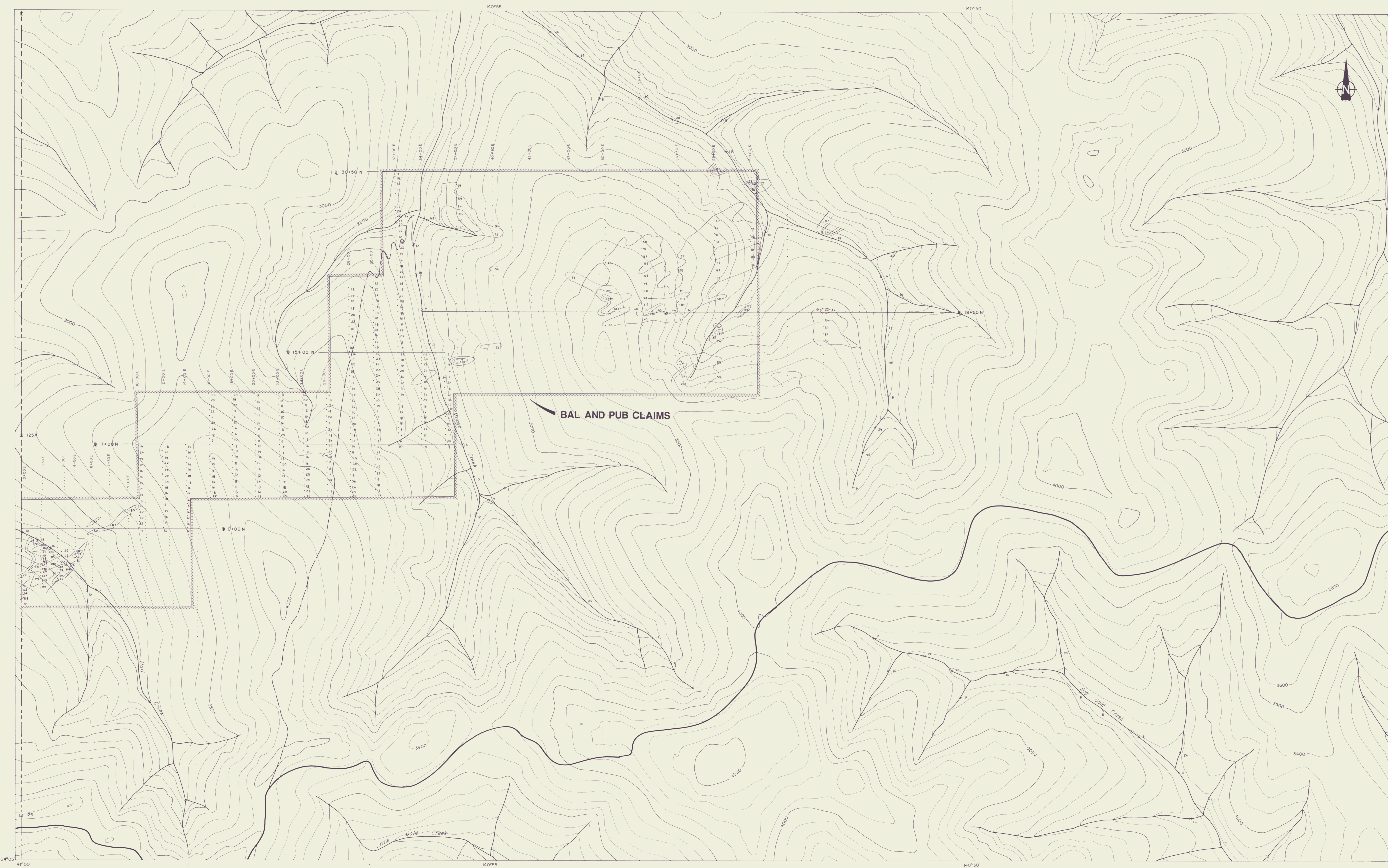
- 1992 soil sample location with sample number
- pre-1992 soil sample location
- \* 1992 silt sample location with sample number

**BAL AND PUB CLAIMS**

FIGURE 4  
 ARCHER, CATRO & ASSOCIATES (1991) LIMITED  
**SAMPLE LOCATION**  
**093098**  
 BAL AND PUB CLAIMS  
 YGC RESOURCES LTD.

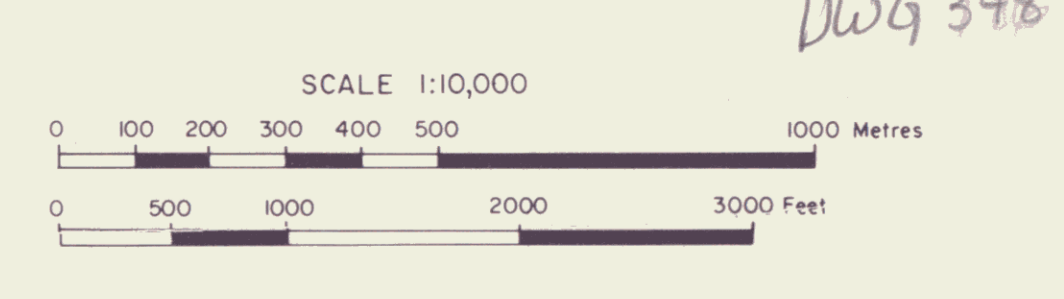


DWG 347

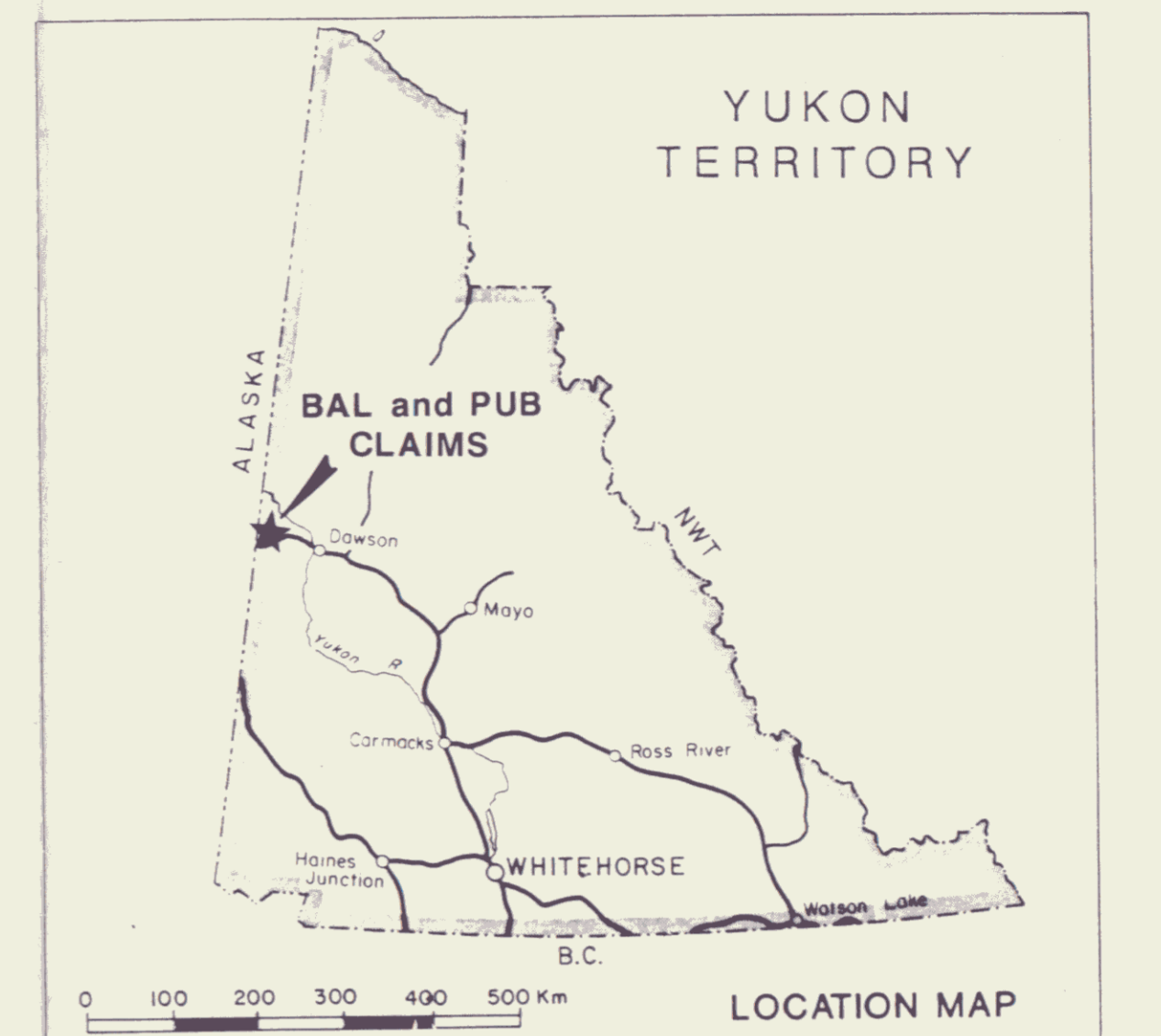
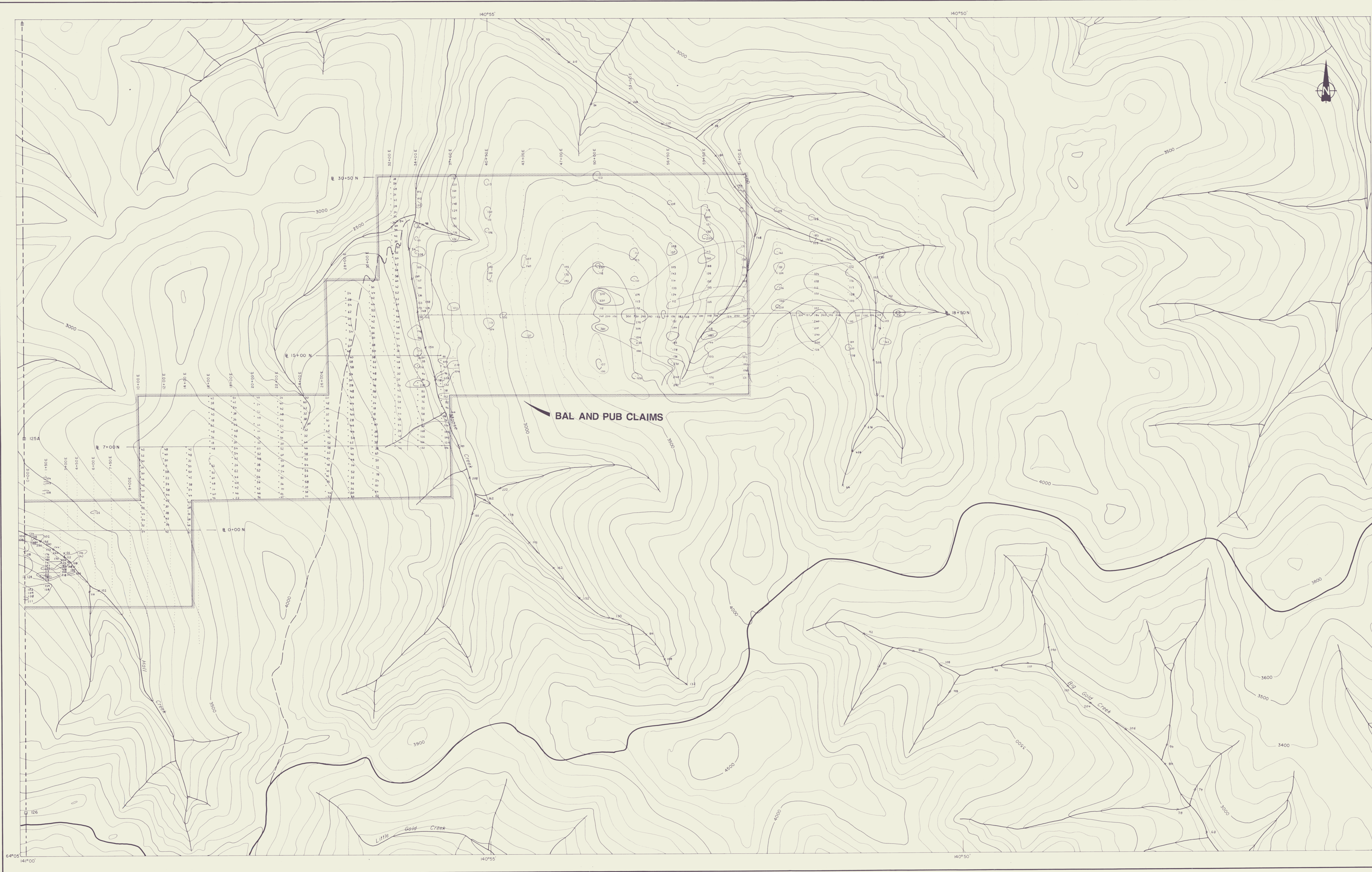


- \*34 1992 soil sample location with lead values in ppm
- \*63 pre-1992 soil sample location with lead values in ppm (>50 ppm only)
- \*18 1992 silt sample location with lead values in ppm
- lead geochemical anomaly (contours of 50, 100, 200 ppm)

FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
**093098**  
 BAL AND PUB CLAIMS  
 YGC RESOURCES LTD.

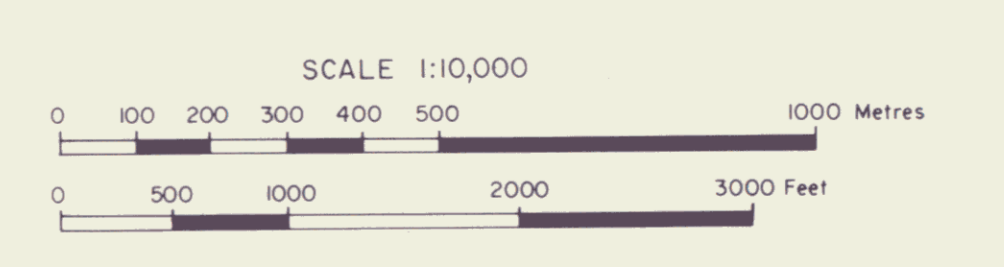


Dwg 348

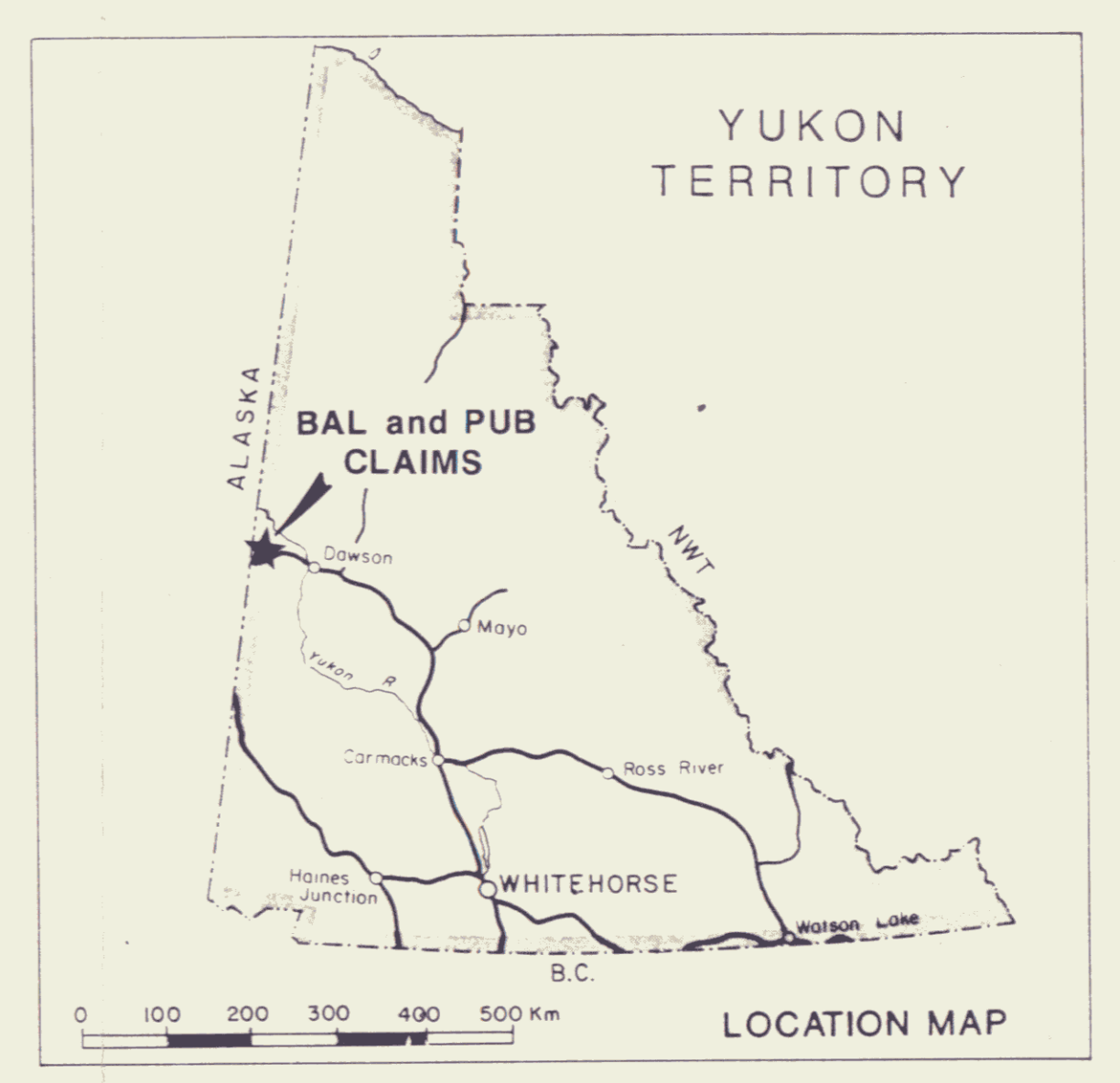
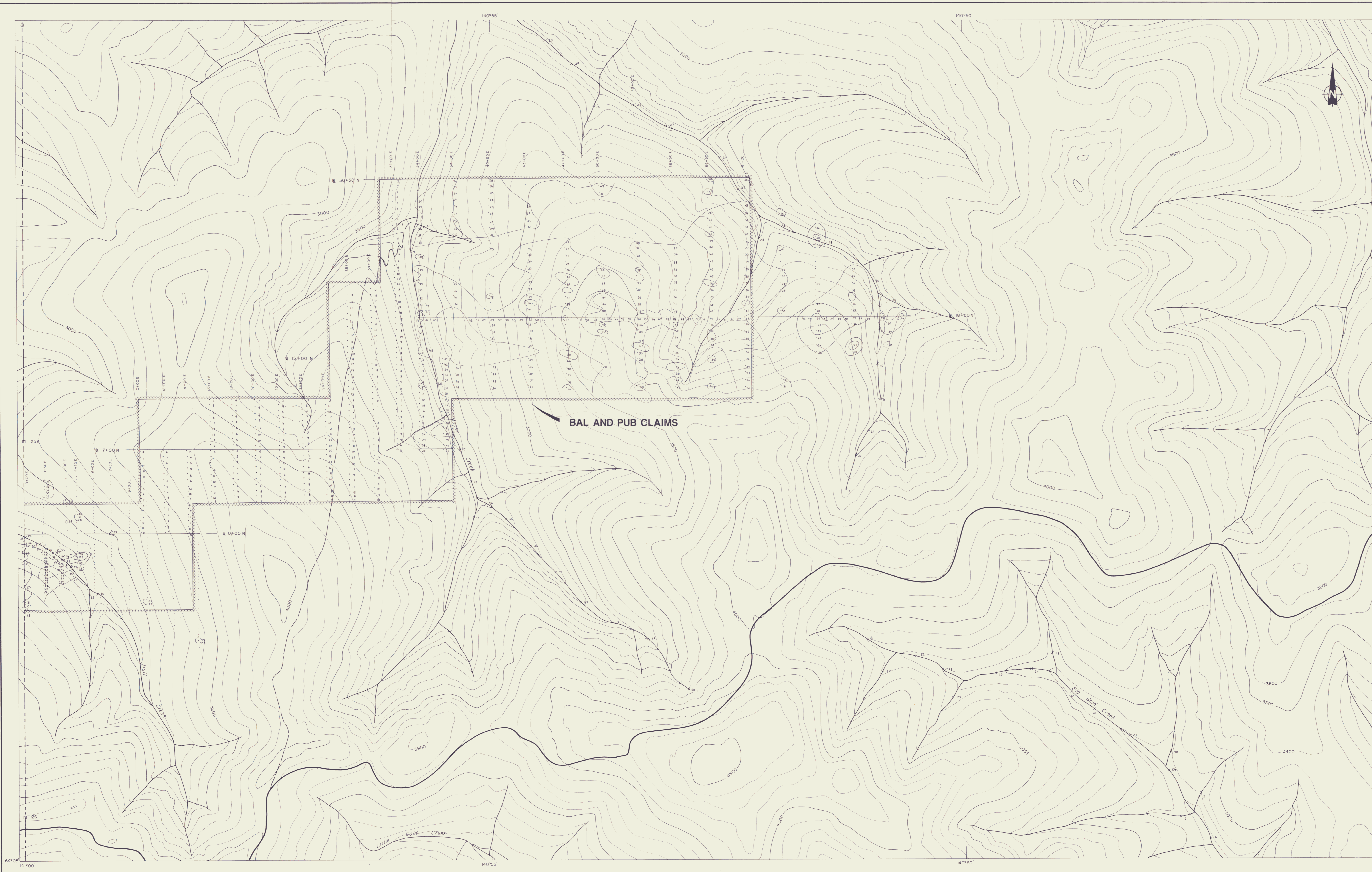


- \*58 1992 soil sample location with zinc values in ppm
- \*133 pre-1992 soil sample location with zinc values in ppm (>100 ppm only)
- \*710 1992 silt sample location with zinc values in ppm
- zinc geochemical anomaly (contours at 100, 200, 400 ppm)

FIGURE 6  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY**  
**093098**  
 BAL AND PUB CLAIMS  
 YGC RESOURCES LTD.



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- \*18 1992 soil sample location with copper values in ppm
- \*19 pre-1992 soil sample location with copper values in ppm (> 25 ppm only)
- \*20 1992 silt sample location with copper values in ppm
- copper geochemical anomaly (contours at 25, 50, 100 ppm)

FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
**093098**  
 BAL AND PUB CLAIMS  
 YGC RESOURCES LTD.

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