

MAP NO.: ASSESSMENT REPORT X  
105 K 6 PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 092963  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: GEOLOGY *Prospecting*  
SOIL GEOCHEMISTRY

REPORT FILED UNDER: YGC RESOURCES LIMITED

DATE PERFORMED: AUGUST 23, 1990

DATE FILED: JUNE 19, 1991

LOCATION: LAT.: 62°23'N

AREA: MT MYE

LONG.: 133°12'W

VALUE \$: 2,100

CLAIM NAME & NO.: REB 1-12

WORK DONE BY: R.C. CARNE

WORK DONE FOR: YGC RESOURCES LIMITED

DATE TO GOOD STANDING:


REMARKS: The claims are underlain by Cambro-Ordovician calcareous clastic sediments and mafic to intermediate volcanics. Earlier drilling on the property outlined Pb/Zn/Ag mineralization with Cpy, py and pyrr as diss. and fracture fillings in altered andesite and basalt. The area was prospected in 1990.



M.R. file no.
R.M.M.R. file no.
Date forwarded 19 June 91

### TRANSMITTAL FORM

From Mining Recorder at: Whitehorse

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

NEW APPLICATION FOR PLACER LEASE TO PROSPECT

Name

RENEWAL APPLICATION PLACER LEASE TO PROSPECT

Name

Lease no.

AFFIDAVIT OF EXPENDITURE ON PLACER LEASE

Name

Lease no.

SECURITY DEPOSIT

FINANCIAL ABILITY

ASSIGNMENT OF PLACER LEASE NO.

From

To

GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.

Owner

DIAMOND DRILL LOGS

Claims

Claim sheet no.

QUARTZ ASSESSMENT REPORT

Claims

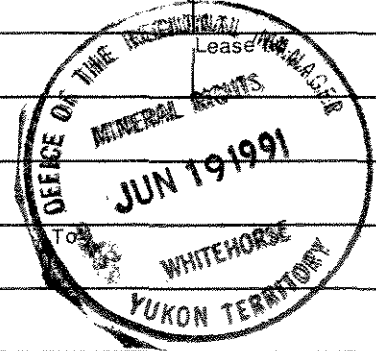
Claim sheet no.

Type of report  
Summary Report

Submitted by  
Archer, Cathro, Assoc.

Cls. work performed on  
REB 1-12

\$ req. for ren. application  
2800.00



90

Signature

Date returned

REPLY ACTION

092963

Signature

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET  
VANCOUVER, B. C. V6B 1L8

# CONFIDENTIAL

(604) 688-2568

SUMMARY REPORT

ON

1990 EXPLORATION

REB CLAIMS

WHITEHORSE MINING DISTRICT

Reb 1-12 Claims (YB27539 to YB27550)

Latitude 62°23'N; Longitude 133°12'W

NTS 105K/6



092983

for

YGC RESOURCES LTD.

R.C. Carne, M.Sc.

May, 1991

Work Performed on August 23, 1990

This report has been examined by  
the Geological Examination Unit  
under Section 30 (1) Yukon Quartz  
Mining Act and is allowed as  
representation to the amount  
of \$ 2,100.

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

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- II List of Personnel
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INTRODUCTION

The Reb property was staked in June, 1990 by YGC Resources Ltd. The claims were acquired to cover a previously explored area of widespread base metal mineralization in volcanic rocks with associated geochemical and geophysical anomalies.

The 1990 field program described in this report was funded by YGC and consisted of prospecting on August 23, 1990.

Appendix I includes the Author's Statement of Qualifications while a list of personnel who worked on the project is included as Appendix II.

PROPERTY, LOCATION AND ACCESS

The Reb property lies near Mount Mye in east-central Yukon, 12 km northeast of the Faro lead-zinc mine and 24 km northeast of the town of Faro (Figure 1). Coordinates for the central part of the property are 62°23' north latitude and 133°12' west longitude. Access for the 1990 field work was supplied by casual-hire helicopter from Ross River, 67 km to the southeast.

The Reb property consists of twelve claims registered with the Whitehorse Mining Recorder in the name of Archer, Cathro as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Reb 1-12	YB27539-YB27550	March 4, 1993

Claim locations are shown on Figure 2 in the pocket.

Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

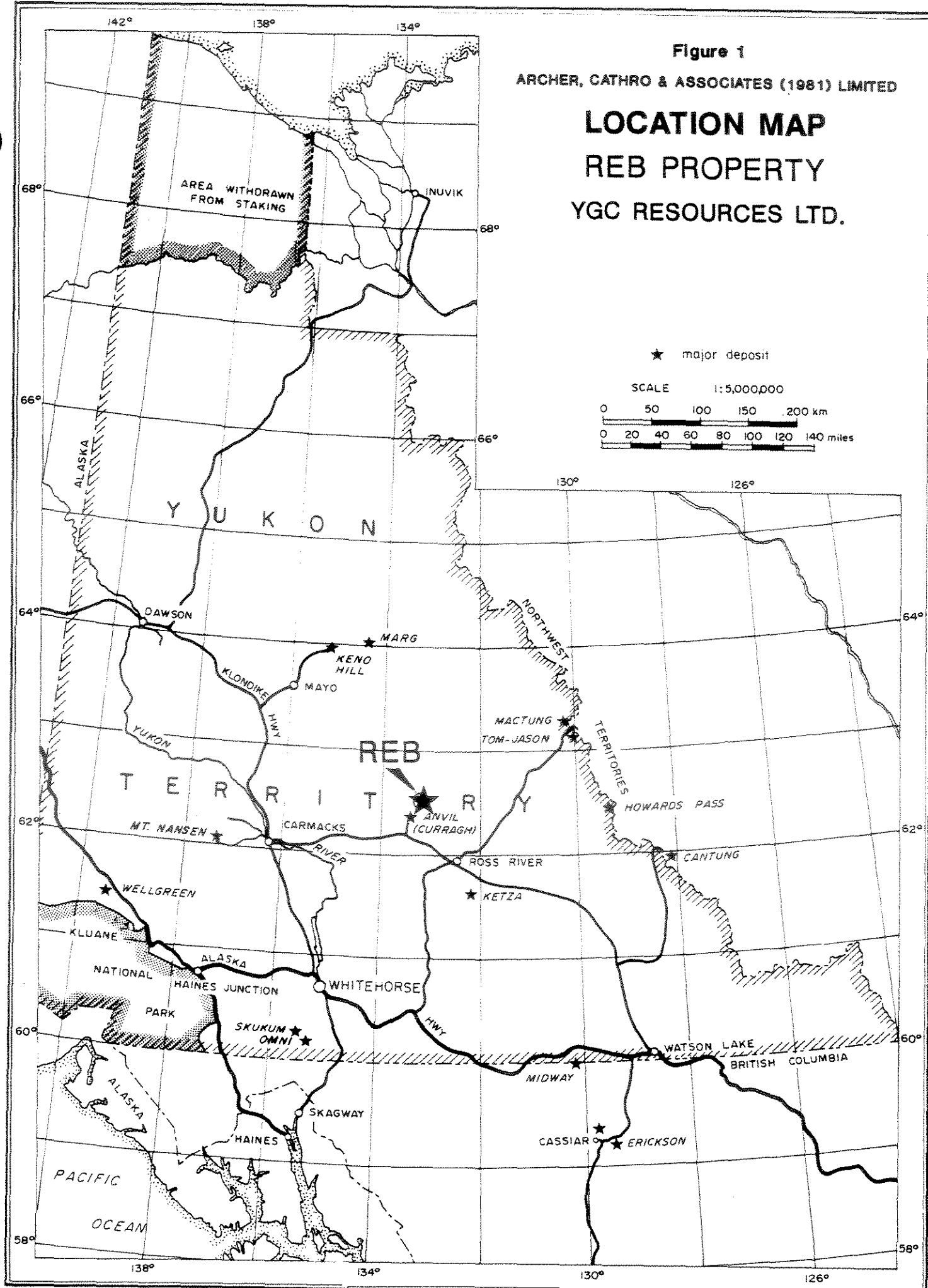
# LOCATION MAP REB PROPERTY YGC RESOURCES LTD.

★ major deposit

SCALE 1:5,000,000

0 50 100 150 200 km

0 20 40 60 80 100 120 140 miles



### HISTORY AND PREVIOUS WORK

The Reb area was first staked in 1966 by Giant Yellowknife Mines Ltd. as the KD claims and Altair Mining Corp. as the AM claims which adjoined to the west. In 1967, Giant Yellowknife conducted mapping and soil sampling while Altair completed mapping, soil sampling, EM and gravity surveys and drilled 3 holes (Holes 67-1 to 67-3). The KD claims were optioned in 1968 to Mercury Exploration Ltd. which conducted a reconnaissance gravity survey in 1969. The property was optioned again in 1970 by Kangaroo Exploration Ltd. (a subsidiary of Cyprus Mines Ltd.) which explored the area with grid soil sampling, mapping, gravity and Turam geophysical surveys during 1970 to 1972 and drilled four holes in late 1972 and 3 holes in 1973 (Holes 72-4 to 73-10). Cyprus Anvil Mining Corp. carried out additional Turam, gravity and magnetic geophysical surveys under an option agreement in 1976. Giant Yellowknife drilled four holes in 1978 (Holes 78-1 to 78-4) and Cyprus Anvil drilled one hole to the southwest in 1980 (Hole 80-1). YGC restaked the property in June, 1990.

### GEOMORPHOLOGY

The property occupies an east-west trending mountainous ridge and a north-facing cirque. Elevations range from 1500 to 1890 m. The area of interest lies above treeline which locally occurs at 1400 m above sea level. The region is glaciated but bedrock on upper slopes is covered by a thin veneer of locally derived scree and mineral soils while talus cover in the northerly-facing cirque may range up to 20 m thick.

### GEOLOGY AND MINERALIZATION

The Reb property is underlain by a northerly-dipping sequence of Cambrian to Ordovician calcareous clastic sedimentary rocks and mafic to intermediate volcanic rocks (Figure 2). The lower part of the sequence consists of grey to buff weathering, laminated to thin bedded, locally nodular, shaley limestone to calcareous phyllite succeeded by quartzose siltstone and phyllite, all assigned by the Geological Survey of Canada to the Rabbitkettle Formation. The sedimentary rocks are overlain with apparent conformity by an unnamed sequence of dark weathering, massive, locally pillowed, dark grey-green basalt, tuff and volcanic breccias.

Surface showings of mineralized float were originally discovered in a well developed gossan zone near the height of land on the claim group. This zone, although above timberline, is well camouflaged by intense frost boiling and solifluction with light grass cover. The gossan zone is composed of small fragments of sericite-altered volcanic rock. Quartz-carbonate stringers, veins and breccia matrix contain sphalerite with lesser galena and some chalcopyrite. A composite sample of well mineralized, galena-rich float collected in 1966 assayed Trace Au, 295 g/t Ag, 8.8% Pb, 1.2% Zn and 0.2% Cu. Samples of more representative material collected in 1990 from the same area returned proportionally lower grade values (Appendix III), as well as relatively high arsenic response from one area.

Diamond drilling in 1972 and 1973 extended the known area of mineralization to depth and to the north (Figure 2). Results are summarized below. The best intersection was one of 2.3% Zn over 60 m in Hole 72-7. This interval, although relatively low grade, includes a 3.0 m intersection that assayed 6.6% Zn, 0.3% Cu, 0.4% Pb, 36.3 g/t Ag and 0.2 g/t Au.

DIAMOND DRILL HOLE SUMMARY

<u>Hole</u>	<u>Purpose</u>	<u>Depth</u>	<u>Summary</u>
67-1	test EM-geochem anomaly	116 m	barren E0v
67-2	test gravity-geochem anomaly	114 m	E0v, traces of GN and SL in fractures, barren E0v
67-3	test gravity-geochem anomaly	124 m	barren E0v
72-4	test geochem anomaly	243 m	altered E0v, minor PO, SL, CP, GN, PY in fractures, disseminations; end in barren E0r
72-5	test Mag-EM anomaly	123 m	barren E0v
72-6	test EM-gravity anomaly	98 m	barren E0v and E0r
72-7	test geochem anomaly	101 m	altered and brecciated E0v, disseminated and fracture-filling SL, PY, GN, PO, TT, AP - 60 m of 2.3% Zn including 3.0 m grading 6.6% Zn, 0.3% Cu, 0.4% Pb, 36.3 g/t Ag and 0.2 g/t Au
73-8	test EM anomaly	189 m	brecciated E0v, minor CP, PO, SL in fractures and veins throughout including 3.0 m grading 2.25% Zn with traces of Cu and Pb
73-9	extend mineralized zone	255 m	altered E0v, minor disseminated and fracture-filling SL, PO, CP, PY throughout; best zone 2.2% Zn, Tr Cu, Tr Pb over 18.3 m
73-10	extend mineralized zone	186 m	brecciated E0v, minor disseminated and fracture-filling SL, GN
78-1	test geochem anomaly	152 m	through E0v to E0r, no mineralization seen
78-2	test geochem anomaly	152 m	through E0v to E0r, no mineralization seen
78-3	test geochem anomaly	152 m	through E0v to E0r, no mineralization seen
78-4	test geochem anomaly	151 m	altered E0v, minor GN in fractures
80-1	test EM anomaly	481 m	barren E0r

Mineralization consists of sphalerite, pyrite and galena with lesser pyrrhotite, tetrahedrite and arsenopyrite in fractures, quartz-carbonate stringers and veins, as disseminations in the matrix of breccias and as amygdule-fillings in basalt.

Drill logs accompanying assessment reports filed for the early drilling describe the mineralization as being deformed along with the host rocks and therefore older than other lead-zinc veins in the area that are associated with Cretaceous intrusions. The property was re-examined by YGC Resources to investigate the possibility that the known alteration and mineralization might be genetically related to concordant massive sulphide mineralization within the volcanic rocks. No evidence for the latter type of deposit was found. The widespread, albeit low grade, epigenetic mineralization remains an attractive exploration target because of proximity to the Curragh Resources Inc. milling complex at the Faro Mine, 12 km to the southwest.

SUMMARY AND RECOMMENDATIONS

The twelve claim Reb property is located in east-central Yukon Territory, 12 km northeast of the Faro Mine. The property was staked by YGC Resources Ltd. to cover a previously explored area of epigenetic zinc-lead-silver mineralization in altered andesite and basalt. The 1990 program consisted of prospecting to evaluate the potential for volcanogenic massive sulphide mineralization which appears to be low.

Diamond drilling between 1967 and 1980 has outlined a 300 by 500 m area of disseminated and fracture-filling sphalerite, galena, chalcopyrite, pyrite and pyrrhotite mineralization which is open to the north. The best intersection from this work in Hole 72-7 along the north edge of the known mineralized area intersected 60 m grading 2.3% Zn including a 3.0 m interval grading 6.6% Zn, 0.3% Cu, 0.4% Pb, 36.3 g/t Ag and 0.2 g/t Au. Although economic grades and thickness of mineralization have not been intersected to date, most of the drilling has been conducted to evaluate geophysical anomalies thought to represent massive sulphide mineralization. As a consequence of this, the full extent of disseminated and fracture-filling mineralization has not been evaluated.

Results of previously conducted geological, geochemical and geophysical surveys should be compiled in conjunction with continued field work, if required, to establish targets for diamond drilling with the objective of fully evaluating the known area of mineralization.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



R.C. Carne.

/mc

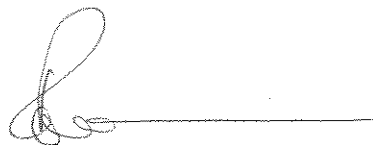
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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 member of the Geological Association of Canada.
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.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



Robert C. Carne, B.Sc., M.Sc.

APPENDIX II  
LIST OF PERSONNEL

LIST OF PERSONNEL

August 23

K. Sax, K. Owerko

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

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

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

A9021834

Comments:

CERTIFICATE

A9021834

ARCHER CATHRO & ASSOC. (1981) LTD.

Project: YGC  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 5-SEP-90.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	30	Assay ring to approx 150 mesh
294	30	Crush and split (0-10 pounds)
238	30	NITRIC-AQUA REGIA DIGESTION

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	30	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00
922	30	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	30	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	30	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	30	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	30	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	30	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	30	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	30	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	30	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	30	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	30	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	30	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	30	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	30	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	30	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	30	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	30	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	30	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	30	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	30	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	30	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	30	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	30	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	30	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	30	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	30	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	30	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	30	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	30	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	30	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	30	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	30	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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to: ARCHER CATHRO & ASSOC. (1981) LTD.

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Project : YGC  
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Page: 1-A  
 Total Pages: 1  
 Invoice Date: 5-SEP-90  
 Invoice No.: I-9021834  
 P.O. Number:

## CERTIFICATE OF ANALYSIS A9021834

SAMPLE DESCRIPTION	PREP CODE	Au ox/T	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
90M-R-KS1	208 294	< 0.014	32.2	0.16	110	10	< 0.5	< 2	0.03	< 0.5	87	54	3650	>15.00	< 10	< 1	< 0.01	< 10	0.03	35
90M-R-KS2	208 294	< 0.002	1.0	4.81	< 5	30	< 0.5	< 2	1.24	0.5	56	235	4160	5.77	10	< 1	0.10	< 10	3.48	885
90M-R-KS3	208 294	< 0.002	< 0.2	0.44	35	30	< 0.5	< 2	0.03	< 0.5	79	91	432	11.70	< 10	< 1	< 0.01	< 10	0.40	55
90M-R-KS4	208 294	< 0.002	0.8	0.70	40	130	< 0.5	< 2	0.04	< 0.5	< 1	34	405	>15.00	10	< 1	0.14	< 10	0.11	25
90M-R-KS5	208 294	< 0.002	0.8	1.11	95	270	< 0.5	< 2	0.15	< 0.5	< 1	68	755	>15.00	< 10	< 1	0.21	< 10	0.50	225
90R-R-KS1	208 294	< 0.002	7.2	3.98	215	140	< 0.5	4	0.20	8.0	7	105	333	13.10	20	< 1	0.09	10	2.71	1245
90R-R-KS2	208 294	< 0.002	61.2	2.15	45	50	< 0.5	78	1.55	7.0	15	91	1465	9.57	10	< 1	0.13	10	1.60	1065
90R-R-KS3	208 294	< 0.002	16.0	3.72	5130	400	< 0.5	< 2	0.44	82.0	3	71	946	11.75	10	< 1	0.16	10	2.00	960
90R-R-KS4	208 294	< 0.002	53.8	1.00	5540	70	< 0.5	4	0.07	1.5	< 1	71	1600	13.70	10	< 1	0.06	< 10	0.13	190
90R-R-KS5	208 294	< 0.002	2.0	1.69	275	240	< 0.5	< 2	0.24	1.0	45	25	99	5.86	< 10	< 1	0.31	< 10	0.92	75
90-REB-K01	208 294	< 0.002	1.2	2.73	90	120	< 0.5	< 2	1.02	< 0.5	20	30	80	5.53	< 10	< 1	0.03	10	1.85	650
90-REB-K02	208 294	< 0.002	0.8	3.90	20	80	< 0.5	< 2	3.35	0.5	32	254	98	7.04	20	< 1	0.11	< 10	3.65	855
90W-R-KS1	208 294	< 0.002	0.6	1.61	210	40	< 0.5	2	0.11	< 0.5	3	45	94	11.15	10	< 1	0.06	< 10	1.31	150
90W-R-KS2	208 294	< 0.002	0.4	0.55	65	90	< 0.5	< 2	0.34	10.5	< 1	33	32	6.96	10	< 1	0.41	90	0.26	670
90W-R-KS3	208 294	< 0.002	1.2	0.41	25	1170	< 0.5	< 2	0.01	< 0.5	< 1	20	32	>15.00	10	< 1	0.19	60	0.04	25
90W-R-KS4	208 294	< 0.002	1.4	0.49	5	5210	< 0.5	< 2	0.02	< 0.5	1	18	5	0.81	10	< 1	0.29	150	0.03	10
90W-R-KS5	208 294	< 0.002	5.8	0.02	10	1570	< 0.5	< 2	< 0.01	0.5	< 1	4	10	0.46	< 10	< 1	0.01	< 10	< 0.01	< 5
T3335	208 294	< 0.002	40.8	1.27	15	70	< 0.5	22	2.21	>100.0	8	76	9430	4.10	< 10	< 1	0.02	< 10	0.52	1425
T3762	208 294	< 0.002	1.0	1.96	15	2150	< 0.5	< 2	4.21	9.5	2	75	95	1.45	< 10	< 1	0.07	< 10	0.11	45
T3763	208 294	< 0.002	0.8	1.80	5	560	< 0.5	< 2	0.70	4.0	15	132	125	2.45	< 10	< 1	0.65	10	1.07	155
T3764	208 294	< 0.002	>200	0.25	15	320	< 0.5	426	1.11	74.0	< 1	102	8180	6.86	< 10	< 1	0.01	< 10	0.02	150
T3765	208 294	< 0.002	80.4	1.18	< 5	60	< 0.5	280	3.93	>100.0	15	64	>10000	6.45	< 10	< 1	0.01	< 10	0.82	1725
T3786	208 294	< 0.002	3.2	3.77	10	200	< 0.5	24	2.68	60.0	2	47	244	1.55	< 10	< 1	0.05	< 10	0.21	195
T3793	208 294	0.004	>200	0.13	>10000	60	< 0.5	1305	0.05	>100.0	8	34	4040	>15.00	< 10	< 1	0.03	< 10	0.01	130
T3795	208 294	< 0.002	45.4	0.35	2100	70	< 0.5	592	1.05	>100.0	7	60	4600	8.96	< 10	< 1	0.04	10	0.37	410
T3796	208 294	< 0.002	6.2	1.29	630	160	< 0.5	22	0.60	8.0	3	109	93	2.64	< 10	< 1	0.15	20	0.83	355
T3797	208 294	< 0.002	2.8	2.00	445	630	< 0.5	14	2.08	11.0	4	72	152	1.23	< 10	< 1	0.08	10	0.22	90
T3798	208 294	< 0.002	3.0	2.07	115	80	< 0.5	258	2.23	7.5	< 1	65	335	5.30	< 10	< 1	0.04	< 10	0.22	55
T3799	208 294	< 0.002	4.8	2.03	165	60	< 0.5	130	2.59	>100.0	6	84	1355	7.12	< 10	< 1	0.01	< 10	0.17	205
T3800	208 294	0.002	5.2	3.27	70	50	< 0.5	58	2.89	>100.0	6	86	565	4.44	< 10	< 1	0.04	< 10	0.15	185

CERTIFICATION:

*B. Coughlin*



# 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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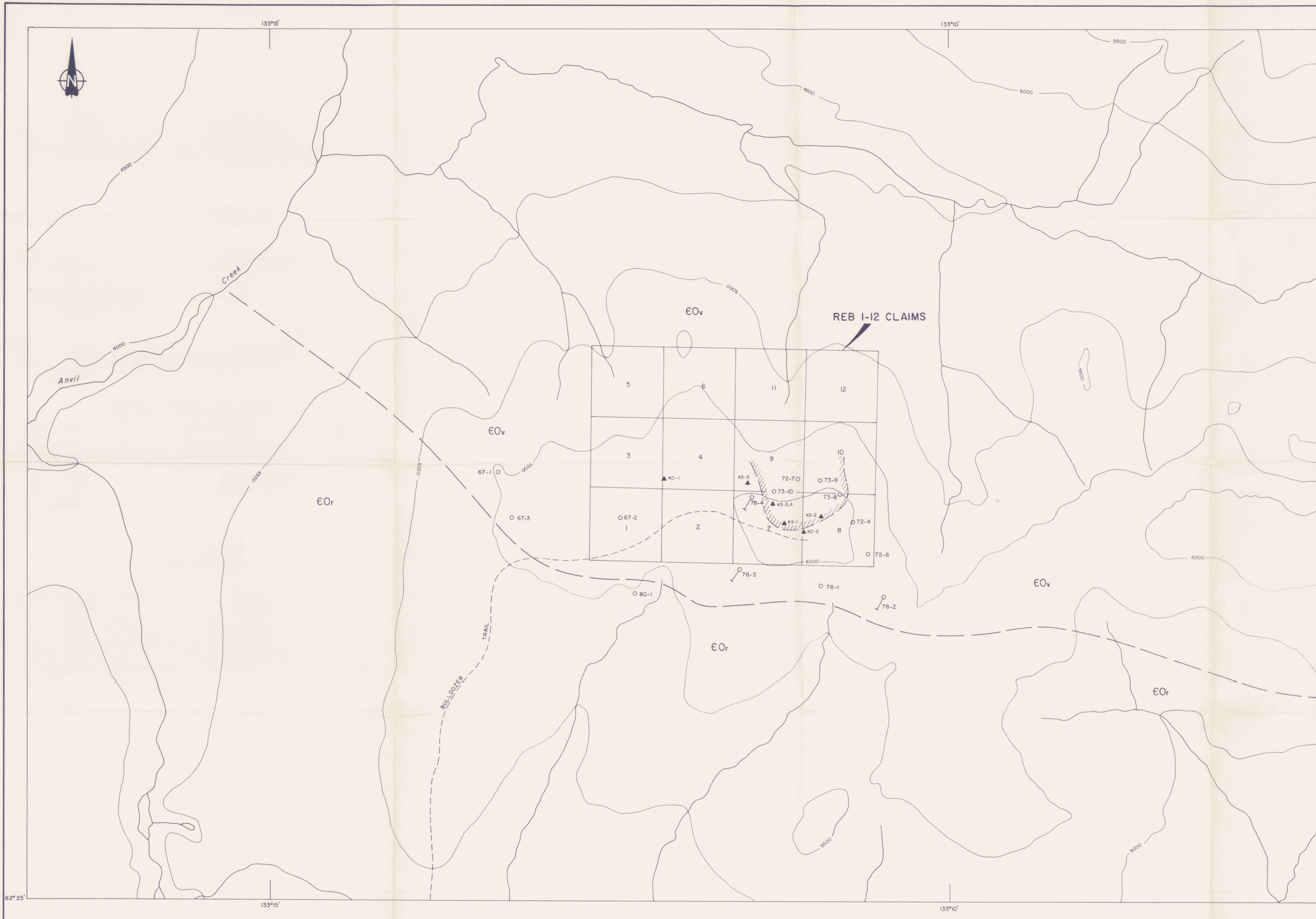
## CERTIFICATE OF ANALYSIS

A9021834

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
90M-R-KS1	208 294	91 < 0.01		4 < 10	62	< 5	1	1 < 0.01	< 10	< 10	10	4	< 50	400	
90M-R-KS2	208 294	< 1 0.01		62 230	8	< 5	16	7 < 0.01	< 10	< 10	104	< 10	122		
90M-R-KS3	208 294	22 < 0.01		5 < 10	8	< 5	2	< 1 < 0.01	< 10	< 10	38	< 10	34		
90M-R-KS4	208 294	< 1 < 0.01		7 2250	4	< 5	5	1 0.12	< 10	< 10	379	< 50	46		
90M-R-KS5	208 294	< 1 < 0.01		22 860	10	< 5	5	7 0.37	< 10	< 10	135	< 50	80		
90R-R-KS1	208 294	< 1 < 0.01		43 1140	538	< 5	15	30 0.01	< 10	< 10	209	< 10	6770		
90R-R-KS2	208 294	< 1 < 0.01		46 660	5050	5	9	12 0.01	< 10	< 10	105	< 10	2700		
90R-R-KS3	208 294	< 1 < 0.01		14 660	454	5	18	21 0.01	< 10	< 10	211	< 10	5240		
90R-R-KS4	208 294	< 1 < 0.01		7 920	>10000	60	5	5 < 0.01	< 10	< 10	101	< 10	3450		
90R-R-KS5	208 294	3 0.02		52 1310	1020	< 5	4	17 0.01	< 10	< 10	127	< 10	230		
90-REB-K01	208 294	< 1 0.04		23 1060	768	5	4	76 0.40	< 10	< 10	95	< 10	138		
90-REB-K02	208 294	< 1 0.02		130 1460	68	5	18	140 0.04	< 10	< 10	187	< 10	414		
90W-R-KS1	208 294	< 1 < 0.01		3 170	126	< 5	1	6 0.01	< 10	< 10	6	< 10	76		
90W-R-KS2	208 294	3 < 0.01		5 390	102	< 5	1	13 < 0.01	< 10	< 10	7	< 10	2490		
90W-R-KS3	208 294	11 < 0.01		2 450	184	< 5	1	13 < 0.01	< 10	< 10	11	< 50	204		
90W-R-KS4	208 294	4 < 0.01		2 170	394	< 5	< 1	58 < 0.01	< 10	< 10	< 1	< 10	108		
90W-R-KS5	208 294	1 < 0.01		2 10	82	< 5	< 1	121 < 0.01	< 10	< 10	< 1	< 10	238		
T3335	208 294	1 0.05		9 560	294	< 5	1	33 0.06	< 10	< 10	11	50	>10000		
T3762	208 294	< 1 0.06		16 300	54	< 5	1	263 0.10	< 10	< 10	36	< 10	532		
T3763	208 294	5 0.18		45 650	24	< 5	8	52 0.08	< 10	< 10	135	< 10	434		
T3764	208 294	< 1 < 0.01		7 10	5450	< 5	< 1	22 < 0.01	< 10	< 10	3	< 10	4530		
T3765	208 294	< 1 0.05		15 400	724	< 5	1	49 0.08	< 10	< 10	12	< 50	>10000		
T3786	208 294	8 0.10		19 1130	76	< 5	< 1	209 0.11	< 10	< 10	18	< 10	3250		
T3793	208 294	< 1 < 0.01		11 270	>10000	115	1	6 < 0.01	< 10	< 10	9	< 50	>10000		
T3795	208 294	< 1 < 0.01		10 390	2240	< 5	1	6 0.03	< 10	< 10	14	< 10	>10000		
T3796	208 294	< 1 0.01		14 440	718	< 5	2	26 < 0.01	< 10	< 10	31	< 10	498		
T3797	208 294	6 0.12		47 3370	346	< 5	1	120 0.08	< 10	< 10	22	< 10	684		
T3798	208 294	< 1 0.02		7 5800	102	< 5	1	96 0.06	< 10	< 10	26	< 10	548		
T3799	208 294	1 0.07		39 5710	178	< 5	1	98 0.06	< 10	< 10	21	< 10	6750		
T3800	208 294	12 0.09		45 3070	174	< 5	< 1	176 0.08	< 10	< 10	54	< 10	>10000		

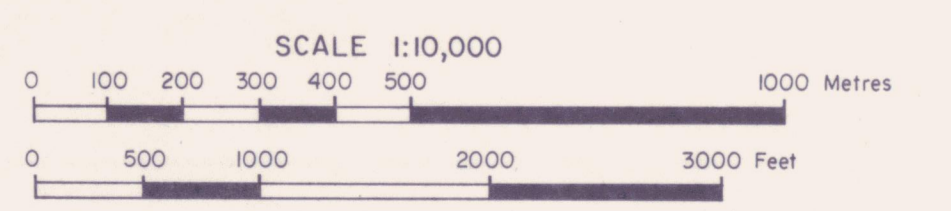
CERTIFICATION:

*B. Coughlin*



- LEGEND**
- (with line) diamond drill hole (inclined, vertical)
  - ▲ 1990 rock sample location
  - ▭ (with wavy lines) outline of mineralized area
- LITHOLOGIES**
- EO<sub>v</sub> massive, locally pillowed basalt, andesite, tuff and breccia
  - EO<sub>r</sub> siltstone, quartzite, phyllite, shaly limestone

Figure 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COMPILATION MAP**  
 REB PROPERTY  
 YGC RESOURCES LTD. **092963**



# ARCHER, CATHRO

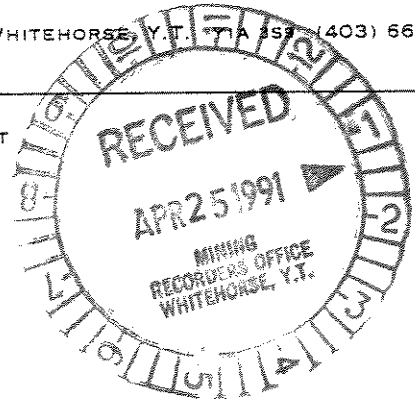
& ASSOCIATES LIMITED

CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

Box 4127, WHITEHORSE, Y.T. T1A 2S9 (403) 667-4415


1016 - 510 WEST HASTINGS STREET  
VANCOUVER, B.C. V6B 1L8



## AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Reb 1-12 mineral claims on Claim Sheet 105K/6 is accurate.

  
Joan Mariacher

Sworn before me at Vancouver, B.C.

this 23rd day of  
April, ~~198~~ 1991



Notary, Yukon Territory

Statement of Expenditures  
Reb 1-12 Mineral Claims  
April 19, 1991

Labour

K. Sax - Aug. 23 at \$195/day	\$195.00	
K. Owerko - Aug. 23 at \$120/day	120.00	
R. Carne - 16 hours April/91 at \$42/hour	672.00	\$ 987.00

Expenses

Trans North Air - 1.3 hours at \$585/hour plus fuel	845.00	
Heli Dynamics - 0.6 hours at \$610/hour plus fuel	370.76	
E. Dodson - consultant	82.53	
Welcome Inn	168.62	
Chemex Labs Ltd.	<u>139.73</u>	<u>1,606.64</u>
		<u>\$2,593.64</u>

In Account With  
 Y6C - FIELD AC  
 AUGUST 31, 1990

Project —  
 Date —

LABOUR		Not FT		
Supervisory	A. ARCHEL - 21 HRS AT 57/HR	165.00		1155.00
Field Key	D. PARRY - 1 DAY AT 195/DAY		195.00	
1-1/2" AIR 1-50L 1-1/2" WOLF 1-1/2" BAL 3-5/8" 1" MONEY 1-1/2" REB	K. SAX - 20 DAYS AT 195/DAY		3900.00	
	G. MACINTOSH - 1 DAY AT 157.50/DAY		157.50	
1-1/2" AIR 1-50L 1-1/2" WOLF 1-1/2" BAL 3-5/8" 1" MONEY 1-1/2" REB	C. GETZ - 26 1/4 DAYS AT 142.50/DAY	285.00	3776.25	
	C. KRELLER - 1 DAY AT 120/DAY		120.00	
1-1/2" AIR 1-50L 1-1/2" WOLF 1-1/2" BAL 3-5/8" 1" MONEY 1-1/2" REB	K. OWERKO - 25 1/4 DAYS AT 120/DAY	240.00	3060.00	
	M.P. PHILLIPS - 3 DAYS AT 300/DAY		900.00	
	R.C. CARNE - 93 HRS AT 4 1/4 HR		3906.00	
	W.D. EATON - 8 HRS AT 4 1/4 HR		336.00	
Secretarial				
Accounting & Expediting	J. MARIACHER - 34 1/4 HRS AT 37/HR	166.50	1262.25	
	A. BELLING - 1 1/4 HRS AT 37/HR		55.50	1763.50
OTHER SERVICES				
	AT WERNECKE CAMP BY ACEC		50.00	
Room & Board in Whitehorse	26 DAYS AT 60/DAY	360.00	1560.00	
Field equipment from AO stock	3762.37 + 984.00		4746.37	
Photocopies, 247 copies at 25¢/copy			61.75	
Rentals from AO Aug 7-31 - 56K11 AT 10/DAY			250.00	
400L 514 brought from Arctic camp @ 1.13/lb			454.00	
Blueprinting, 283.0 sq.ft. Ozalid at 30¢/ft, plus 170 sq.ft. Dilar at \$1.50/ft.			93.90	
Drafting, 37 1/4 hrs at \$30/hr.		45.00	1175.00	8339.00
EXPENSES				
Petty Cash	16.00 OR 28.00 AT 17.00 BY 32.00 BY		153.00	
Telephone	5.25 + 15.50		20.85	173.85



REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
 TRANS NORTH TURBO AIR LTD  
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	ARCHCAC		
INVOICE NUMBER	87845		
INVOICE DATE	27 08 91		
A/C TYPE	206B	AIRCRAFT REGISTRATION C	FDDC
FLIGHT DATE	23	08	91
PURCHASE ORDER NO.	CASUAL		

CHARTERER  
 ARCHER & CATHERO

BILLING ADDRESS  
 P.O. Box 4127  
 Whitehorse YK Y1A 3S9

FUEL & OIL X	TNTA PUEL USED	HRS./LITRES	FROM
	P.4	2.6	RR

FROM	MILES	HOURS	ZONE	REMARKS	NO. OF PASS.	FREIGHT Kg
YAC CAS SACHS		2.6				
SETOUR & PICKUP						
FARO AREA						
REG + REB						

SUB	G.L.	AMOUNT
1606	502	1521.00
1600	131	169.00

TERMS: PAYABLE UPON RECEIPT OF INVOICE.  
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X  
 CHARTERER'S SIGNATURE  
 PILOT'S SIGNATURE  
 ENGINEER'S NAME  
 CYCLES

WAITING TIME	@	/HR.	
FUEL:	2602 @ .65	/LITRE	169.00
FUEL:	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

**TOTAL \$ 1,690.00**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT**



Helicopter Dynamics Ltd.

Helicopter Charter Services  
(403) 668-3536 or 667-4971 Fax (403) 668-5637  
29 Boswell Crescent  
Whitehorse, Yukon  
Y1A 3T2

NO:

No 2064

Archer Cathro Assoc. Ltd.  
Box 4127,  
Whitehorse, Yukon  
Y1A

Bill To: Spetember 4, 1990.

Date	Description	Charges	Amount
Aug. 30/90	Flight Report No. 2195		
	Aircraft C-GNJI..... Bell 206 Based in Whitehorse		
	Flight Hours: 8.3 hours @ \$610.00 per hour	\$5,063.00	
	Fuel: 66Ltr. @ \$.67 per litre	44.22	
	Oil: 8.3 hours @ \$2.60 per hour	21.58	
			\$5,128.80
	The rest of the fuel was supplied by the customer.		
	<i>Ybc (manley) - 1.1 679.74</i> <i>(woody) - 2.1 1297.65</i> <i>(Rob) - 0.6 370.76</i> <i>(Ken) - 0.6 370.76</i> <u>2718.89</u>	<i>NR (Fulborn) - 1050.47 1.7</i> <i>CR - 0.6 - 370.76</i> <i>NOV-C (manley) - 1.0 617.94</i> <i>(Stenke) - 0.6 370.76</i> } 988.68	

Terms: Service charge of 2% on balance after 30 days from billing.

8.3 Hrs. Oil At 2.60 /hr. 21.58

Total Bill \$ 5128.80

44.22

EARL D. DODSON, P. ENG.

Mineral Exploration

#116 - 744 W. HASTINGS ST., VANCOUVER, B.C. V6C 1A5 TEL. 669-3377  
BOX 190, STATION A, VANCOUVER, B.C. V6C 2M3

September 6, 1990

*Copy*

INVOICE

TO: Archer, Cathro & Associates

RE: Yukon Property Visits

Consulting fees and travel time at \$60 per hour:

Wednesday, August 29th 10 hours (8 a.m. to 6 p.m.)	\$ 600.00
Thursday, August 30th 12 hours (8 a.m. to 9 p.m.)	720.00
Friday, August 31st 10 hours (8 a.m. to 9 p.m.)	<u>600.00</u>
Sub-total	1,920.00
Expenses:	
Taxi (N. Van - Airport)	37.00
Airfare (Vancouver - Whitehorse return)	<u>794.00</u>
Sub-total	<u>831.00</u>
<b>TOTAL</b>	<u><u>\$ 2,751.00</u></u>

*Ypc - Brv - 385.14*  
*Mil - 412.65*  
*Money - 137.55*  
*Wolf - 302.61*  
*Models - 82.53*  
*#139 Key - 82.53*  


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*1402.01*

*NR - Falem - 247.59*  
*ketam - 632.73*  


---

*880.32*

*NOV-F - Mang - 157.55*  
*Adams - 82.53*  
*H50V - 165.06*  


---

*385.14*

*CR - 82.53*

STATEMENT

Wilcome Inn  
 Ross Ave of T  
 YOB 150

DATE Aug 25 19 90

ARCHER CATHER

MONEY - 251.93      LYNX - 927.40  
 RES - 168.62  
 RES - 327.24  
 WOLF - 84.31

DATE	DETAILS	DEBIT	CREDIT	BALANCE
------	---------	-------	--------	---------

	Room as per			
	guest slips			1500 <sup>00</sup> <u>00</u>
	gratuity for meals 10% as requested			150 <sup>00</sup> <u>00</u>
	Meals as per meal			
	slips			987 <sup>00</sup> <u>00</u>
	gratuity as requested			148 <sup>05</sup> <u>05</u>

Total 2785 <sup>05</sup> 05

Pleased to  
 be of service  
 W. M. [Signature]

[Signature]

~~960 - 170.50~~  
 NR - 1014.55

me [Signature]  
 #105



# 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

INVOICE NUMBER

I 9 0 2 1 8 3 5

## BILLING INFORMATION

Date: 6-SEP-90  
Project: YGC  
P.O. No.:  
Account: F

Comments:

Billing: For analysis performed on  
Certificate I9021835

Terms: Payment due on receipt of invoice  
1.5% per month (18% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J-2C1

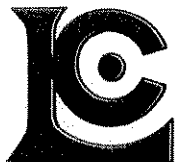
CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYSED	UNIT PRICE	AMOUNT
100	- Au ppb FA+AA			
G32	- G-32 32 EL. ICP	81	14.50	1174.50
Sample preparation and other charges.				
203	- -35 mesh sieve	81	0.75	60.75
205	- Geochem - RING	81	1.75	141.75

Total Cost \$ 1377.00  
Client Discount ( 10%) \$ 137.70

**TOTAL PAYABLE (CDN) \$ 1239.30**

(34) KEG - 510.00  
(24) MURLEY - 367.00  
(1) REB - 1530  
(3) WOLF - 45.90  
(19) MIC - 290.70

*177v.55-*  
*John Smith 11/1/90*  
*11/93*



# 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

INVOICE NUMBER

I 9 0 2 1 8 3 4

## BILLING INFORMATION

Date: 5-SEP-90  
Project: YGC  
P.O. No.:  
Account: F

Comments:

Billing: For analysis performed on  
Certificate I9021834

Terms: Payment due on receipt of invoice  
1.5% per month (18% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYSED	UNIT PRICE	AMOUNT
398 - G32	Au oz/T G-32 32 EL. ICP	30	15.75	472.50
Sample preparation and other charges.				
208 -	Assay - RING	30	1.75	52.50
294 -	Crush and split	30	2.25	67.50

Total Cost \$ 592.50  
Client Discount (10%) \$ 59.25

**TOTAL PAYABLE (CDN) \$ 533.25**

(13) KEG - 231.08  
(5) MONEY - 88.87  
(7) REB - 124.43  
(5) WOLF 88.87

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

Box 4127, 3125 THIRD AVENUE  
WHITEHORSE, Y. T. Y1A 3S9

(403) 667-4415

June 18, 1991

Mr. R.H. Whittingham, Mining Recorder,  
Whitehorse Mining District,  
201 - 308 Main Street,  
Whitehorse, Yukon  
Y1A 2B5




Dear Mr. Whittingham:

Enclosed please find duplicate Summary Reports on the Reb 1-12 and Keg 1-16 and 21-40 mineral claims. Assessment work was filed on both these groups of claims in mid-April.

Yours truly,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

  
Joan Mariacher

/mjm  
Encls. (4)

092963