093837

YGC RESOURCES LTD.
GENERAL DELIVERY
CARMACKS, YUKON TERRITORY
Y0B 1C0



PELLY RIVER PROJECT

# SEPTEMBER 13, 1997 GEOLOGICAL, GEOCHEMICAL, AND APRIL 4 - 7, 1998 LINECUTTING REPORT

ON THE

BARNEY 1 - 80 (YB97387 - YB97466)
MINERAL CLAIMS

In The

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

NTS 105 K/2

Latitude 62°04' N Longitude 132°35' W

R. Stroshein, P. Eng.

April 23, 1998

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 $ 8700.00.

M. Burke

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

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## FIGURES

# 1. SUMMARY

The Barney 1 - 80 claims are located on the north side of the Pelly River within the Tintina Trench between Ross River and Faro, Yukon Territory, Figure 1. The claims are underlain by sedimentary rocks which were deposited along the contemporaneous Vangorda Fault, a strand of the Tintina Fault system.

Ten recconnaisance stream sediment samples collected along the creek in the northeastern portion of the claim block did not detect any gold. Two soil samples from frost boils in the central claim area yielded a single value of 30 ppb gold. Six rock samples of weak rusty weathering siltstone, chert, and sandstone also did not dectect any gold. Two of the rock samples contained minor disseminated fine grained pyrite; one of which was calcareous and assayed 5 % iron. Outcrop on the claims is rare except for resistent sandstone and conglomerate beds on the southern crest of the hillside.

Further prospecting, geological mapping, lithogeochemical sampling, systematic soil sampling, and geophysical surveys are recommended to evaluate the claims.

# 2. INTRODUCTION

The Barney claims are located along the Pelly River approximately 10 kilometres northwest of Ross River, Yukon Territory. The property consists of 80 quartz claims owned by Allen Carlos of Whitehorse. YGC Resources Ltd. (YGC) has acquired an option to earn a 100 % interest in the property. The claims were staked to cover the trace of the Vangorda Fault and associated sedimentary rocks.

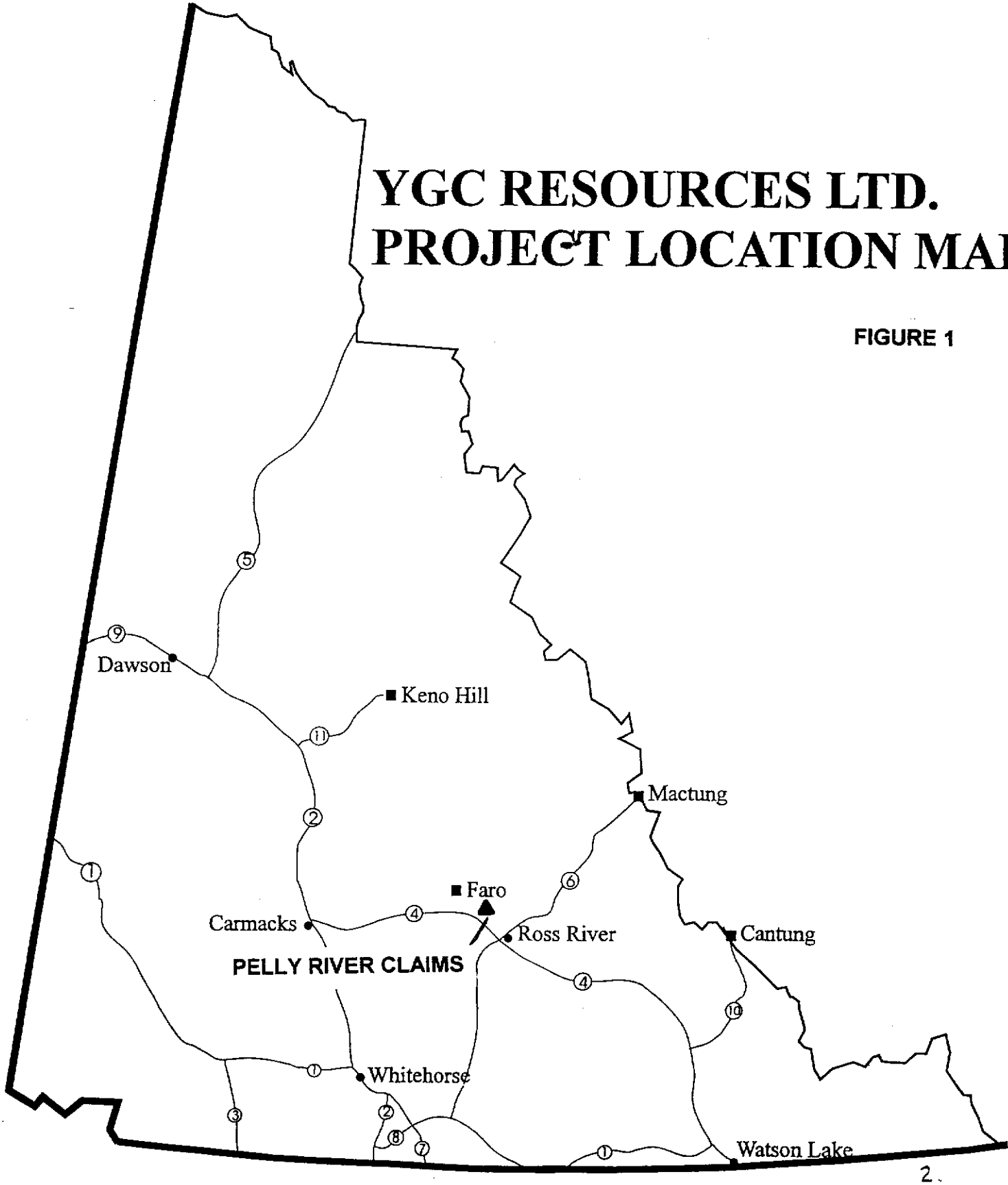
The objective of the prospecting and sampling program was to locate favourable sedimentary rock outcrops, carry out recconnaisance stream sampling and obtain some background lithogeochemical assay results. A recconnaisance line grid has been established to prepare for recconnaisance soil sampling and geophysical surveys. The line cutting was carried out between April 4 - 7 and was curtailed before the proposed grid was complete due to adverse snow conditions. This report summarizes available data and reccomends further "grass roots" type exploration.

## 2.1 Location, Access, and Physiography

The property is located 10 kilometres northwest of Ross River along the Pelly River. The claims are located on NTS map sheet 105 K/2, centred at approximately 132$^{o}$ 35' West longitude and 62$^{o}$04' North latitude. Access to the property is by river boat and foot or helicopter which is available for casual charter from Ross River.

# YGC RESOURCES LTD.
# PROJECT LOCATION MAP

**FIGURE 1**



The claims cover the top and the north side of a relatively massive hill. The hill forms a steep river bank immediately north of the Pelly River. Several small creeks transect the claim block with drainages to the north and south. Glacial till generally obscures bedrock and outcrops are primarily exposed along the creeks or along resistant ridges sub-parallel to the regional northwest trend of the Tintina Trench and Pelly River valley.

### 2.2 Property Definition and Claim Status

The property is composed of 80 quartz claims namely the Barney 1 - 80 (YB97387 - YB97466). The claims are located on claim sheet 105K/2 in the Whitehorse Mining District, Figure 2. The claims cover an approximate area of 1650 hectares. All claim posts have been tagged and inspected to ensure compliance with the regulations of the Yukon Quartz Mining Act.

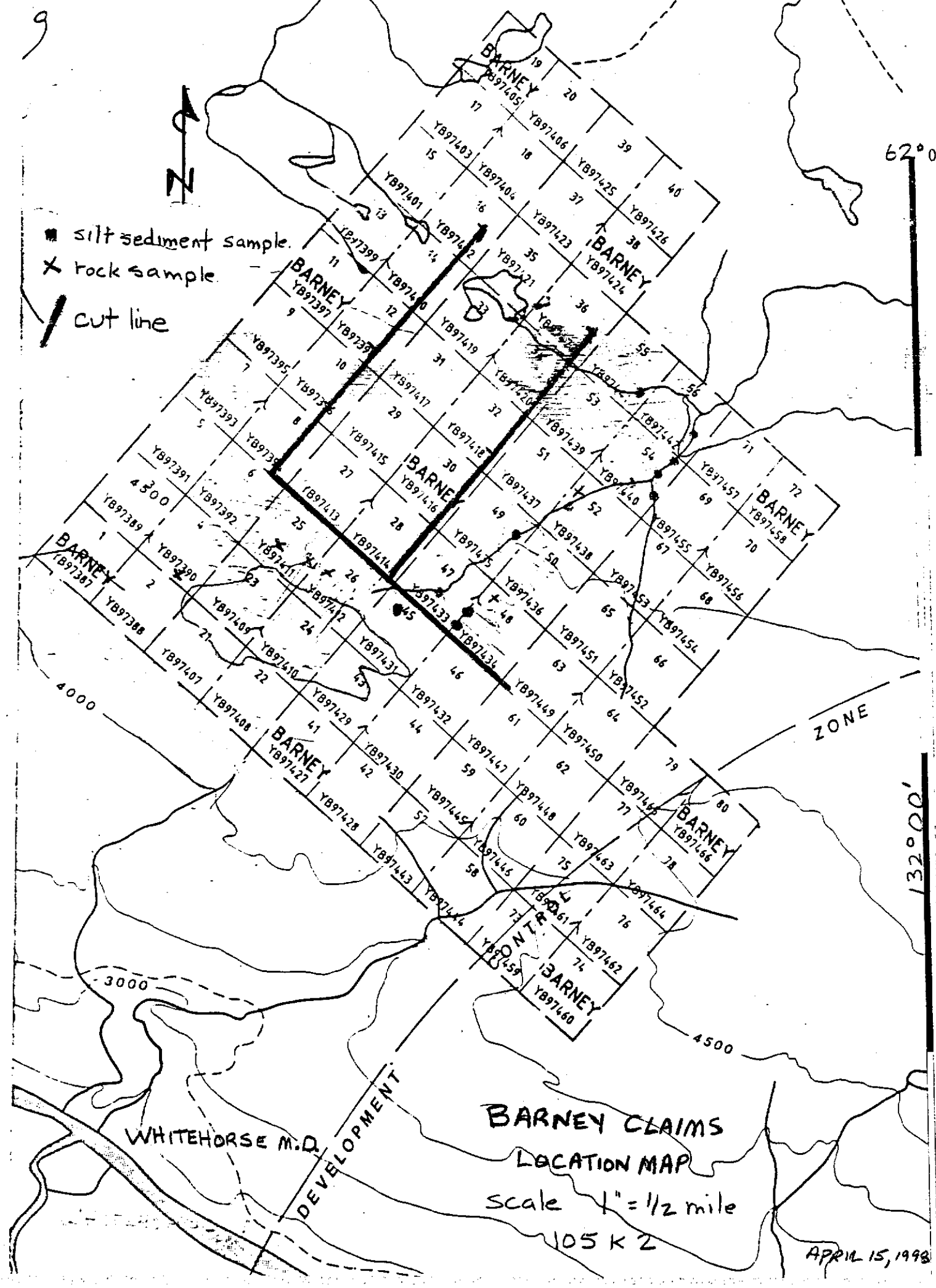
The claims are held by Allen Carlos of Whitehorse. The claims have an anniversary date of April 15, 1998 prior to the application of the work from the present program. YGC has purchased an option to acquire a 100 % interest in the property by making certain payments and carrying out exploration on the claims.

## 3.0 HISTORY

The South Group claims were staked in the area during 1965 by Mid-West Mines Ltd. and Ventures Mining Ltd. at the time of the Anvil rush. Early work included airborne geophysical surveys, bulldozer trenching and reconnaissance mapping during 1966 and 1967. Allen Carlos staked the Barney claims in 1997 following research and compilation of regional data. The claims were staked because of the similar geological setting of the area to the gold in sediment showing located on the Lou claims located 22 kilometres to the northwest.

The Anvil District was mapped by D.J. Templeman-Kluit (1972) of the Geological Survey of Canada (GSC). Regional Mapping was carried out and published by Gordey and Irwin (1987) of the GSC.

The area was covered by the GSC OF 2174 105 K E 1/2; Regional Stream Sediment and Water Geochemical Reconnaissance survey in 1989.


9
N
silt sediment sample.
rock sample
cut line
BARNEY
YB97405
YB97406
YB97425
YB97426
YB97403
YB97404
YB97423
YB97424
YB97401
YB97402
YB97421
YB97399
YB97400
YB97419
YB97397
YB97398
YB97417
YB97418
YB97395
YB97396
YB97415
YB97416
YB97393
YB97394
YB97413
YB97414
YB97391
YB97392
YB97411
YB97412
YB97389
YB97390
YB97409
YB97410
YB97387
YB97388
YB97407
YB97408
YB97429
YB97430
YB97427
YB97428
YB97431
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YB97438
YB97439
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YB97441
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YB97457
YB97458
YB97459
YB97460
YB97461
YB97462
YB97463
YB97464
YB97465
YB97466
4300
4000
3000
4500
62°0
132°00'
ZONE
CONTACT
WHITEHORSE M.D.
DEVELOPMENT
BARNEY CLAIMS
LOCATION MAP
scale 1" = 1/2 mile
105 K 2
APRIL 15, 1998

## 4.0 REGIONAL GEOLOGY

The property is located within the Tintina Trench and is underlain by Triassic aged polymictic conglomerate, quartzite, calcareous shale, and silty limestone which were deposited along the contemporaneous Vangorda Fault. The Vangorda Fault is a strand of the Tintina Fault System which has been traced over a distance of 64 kilometres. The fault is a steeply southwest dipping structure which has been intruded by serpentinite. The serpentinite bodies have a distinct magnetic response which helps define the fault trend.

The Tintina Fault system is a zone of major transcurrent faulting on which about 500 kilometres of right lateral displacement has been postulated. Displacement along the fault has apparently occurred since Early Triassic time. The fault system in the region is made up of an extensive branching, northwest trending network about 13 kilometres wide. The faults tend to be steeply dipping or near vertical.

North of the Tintina Trench, the Anvil Range is underlain by granodiorite that forms the Anvil Batholith of Mesozoic age. A sequence of Proterozoic and Palaeozoic rocks of the Selwyn Basin flank the Anvil Batholith.

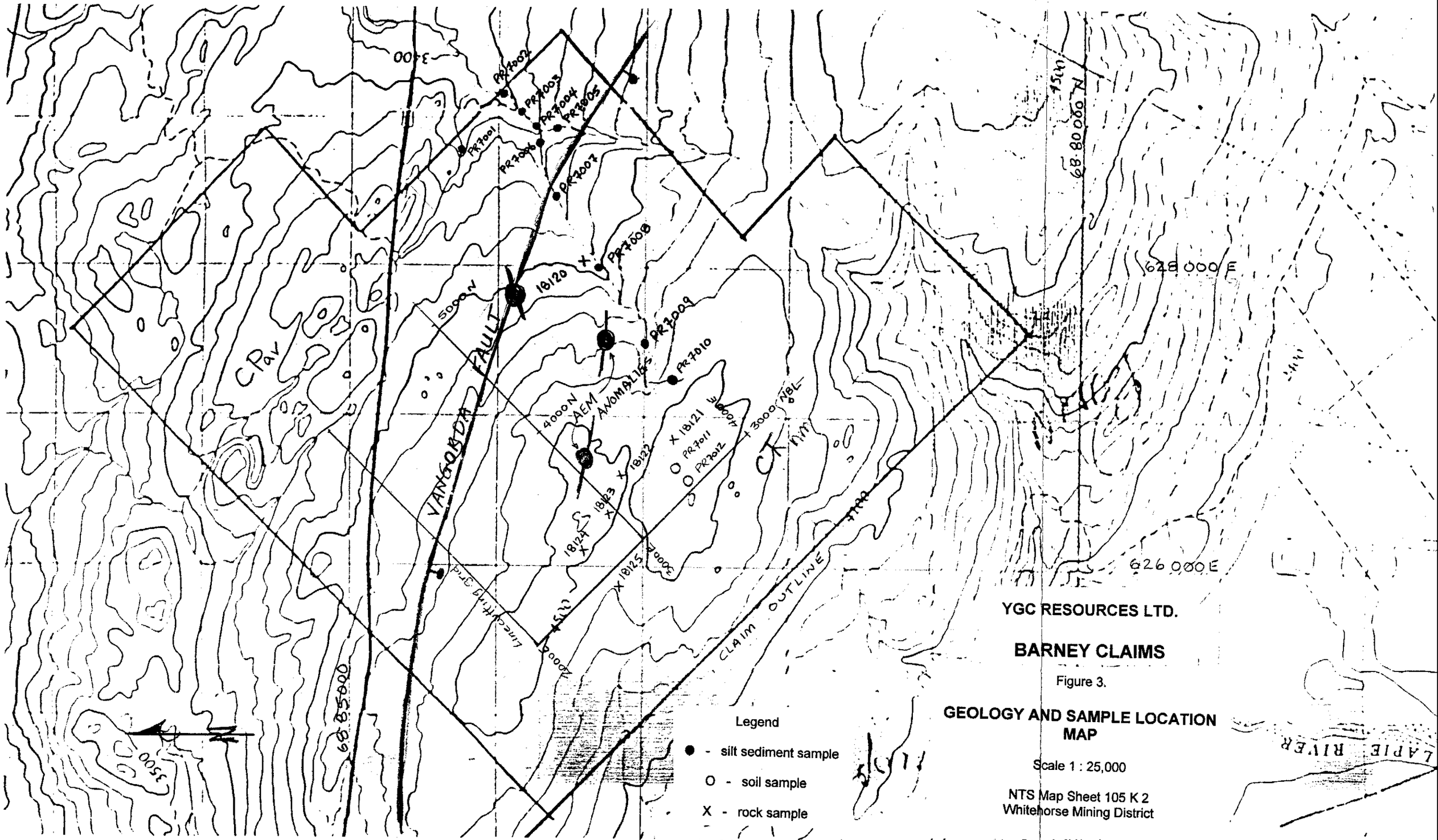
South of the Tintina Trench, Palaeozoic sedimentary rocks consisting of phyllite, argillite, and chert of the Kechika group are exposed in the Pelly Cassiar Platform.

## 5.0 PROPERTY GEOLOGY AND MINERALIZATION

Discontinuous outcrops of Carboniferous to Triassic age resistant, massive, poorly sorted pebble conglomerate with interlayered recessive black shale, quartzite, chert, and calcareous shale occur over a distance of several kilometres along the Pelly River. The Unit has been mapped as Unit 10 by Tempelman-Kluit (1972) and CTncg by Gordey and Irwin (1987). The unit is labelled as CTncg on Figure 3.

The conglomerate is resistant and massive in outcrop. The rounded fragments are of variable size ranging from coarse sand to several inches across. Clasts are made up of quartzite, chert, basalt, and limestone. The matrix is generally siliceous. The conglomerate locally grades to coarse grained poorly sorted sandstone or quartzite. Tempelman-Kluit interpreted the conglomerate unit as being deposited along the scarp of the Vangorda fault.

Thin bedded and platy, grey silt banded, and calcareous shales are locally interbedded with chert and sandstone on the north side of the hill crest and in at least one locality in the northeast creek.




Legend

- ● - silt sediment sample
- O - soil sample
- X - rock sample

**YGC RESOURCES LTD.**

**BARNEY CLAIMS**

Figure 3.

**GEOLOGY AND SAMPLE LOCATION MAP**

Scale 1 : 25,000

NTS Map Sheet 105 K 2
Whitehorse Mining District

The Vangorda fault zone trends across the claims near the northern boundary of the claims. The fault separates Anvil Range basalt (CPav) northeast of the fault from the CTncg unit southwest of the fault (Figure 3).

The bedding of the sedimentary units is generally east to east-southeast and dips steeply to the southwest ($69^{o}$ - $90^{o}$). Rare breccia zones appear to be irregular masses with no distinct trend.

## 6.0 GEOCHEMICAL SAMPLING

Six rock chip samples were collected from sedimentary rock outcrops on the claims. Ten stream silt sediment samples were collected from the creek draining the eastern half of the property. Two soil samples from frost boils were collected near the top of the hill in the centre of the claim block. The objective of the sampling was to test for gold values and potential pathfinder elements on a recconnaisance basis. The prospecting and sampling was carried out by the author on September 13, 1997.

The 18 samples were analyzed for gold by the FA-AA method plus a 30 element suite by ICP analysis at Chemex Labs Ltd. in Vancouver. The analytical results are included in Appendix 3 of the report.

The sample locations were flagged in the field with a sample identification number on flagging tape. Rock samples were collected in plastic sample bags and tagged with sample identification tags from a sequentially numbered booklet. The silt and soil samples were collected in Kreft envelopes and labelled with a unique identifying number. The samples were located on a topographic map and location coordinates are reported in a truncated UTM system. The sample locations and descriptions are included in Appendix 2 of the report and plotted on figure 3.

Rock chip samples were obtained from mineralized or rusty weathered outcrops during prospecting. There were no gold values above the detection limit of <5 ppb. The number of samples is not sufficient to carry out a statistical analysis of the correlation between the elements. Visual comparison of the results indicate that aluminum, barium, calcium, chromium, copper, iron, magnesium, manganese, phosphorous, lead, strontium, and zinc show enough variability that they may be useful aids to geological interpretation and as potential pathfinder elements to mineralization.

The silt and soil sample results yielded only one sample with detectable gold. Sample PR7011 from a frost boil along the claim line assayed 30 ppb gold. Other elements such as aluminum, barium, calcium, iron, manganese, lead, strontium, and zinc may be useful guides to lithology or act as pathfinder elements especially in the soils on the property. Vegatation and organic muck hinder systematic sampling but areas with frost boils can be easily sampled.

## 7.0 LINECUTTING GRID

A recconnaisance type grid using lines and cross lines cut at one kilometre spacing was designed to provide location control for ground geophysical and geochemical surveys. A small portion of the grid (six kilometres) was completed by a four man crew supplied by Kaska Nomadic Ventures from Ross River. The crew was flown by helicopter each day from town to the active grid lines.

The linecutting was curtailed after four days before the planned grid was completed due to the deep snow conditions especially on the north slope. Completion of the grid will be more easily accomplished during the early summer.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

The low grade gold mineralization on the Lou and Lassie claims 25 kilometres northwest of the Barney claims occurs in a geological environment similar to Carlin or Sediment hosted disseminated gold (SHDG) deposit types. The Carboniferous or Triassic calcareous sediments host disseminated to massive pods of auriferous pyrite mineralization at several locations in outcrops along the Pelly River. The best gold values occur with brecciated or sheared zones that are silicified and contain wispy quartz stringers.

The rocks on the Barney claims show some similarity to the unit hosting the gold mineralization at the Lou and Lassie claims which is associated with anomalous amounts of arsenic, antimony, mercury, and silver. Several airborne EM anomalies were reported on the slope in the central portion of the claims which remain to be explained.

Detailed prospecting, soil sampling, and outcrop sampling is recommended to cover the trend of the sedimentary rock units. Sulphidized and silicified breccia zones have the best economic potential. Systematic prospecting and mapping of the property for sedimentary outcrops is necessary to develop a geological framework for the area. Completion of the line grid for survey control; followed up with ground geophysical surveys and soil sampling can be helpful in providing lithological and structural interpretations. A detailed airborne survey using EM and magnetic instruments is recommended as an effective way of covering the property and surrounding areas.

## 9.0 STATEMENT OF EXPENDITURES

Field costs for the sampling and prospecting on September 13, 1997 and linecutting on April 4 - 7, 1998 are summarized below. Labour costs includes one field day and office research and data compilation.

| | |
|---|---|
| **Labour:** | |
| 1.5 man days R. Stroshein @ $330/day | $ 500.00 |
| **Helicopter Charter:** Trans North Helicopters | |
| Ticket # 13947 - Sept.13, 1997 (0.8 hr.) | 663.70 |
| # 15862-865 - Apr. 4-7, 1998 (3.3 hr.) | 2738.20 |
| **Assay Charges:** Chemex Laboratories Ltd. | |
| Invoice# 19744720 - 6 rock samples | 98.88 |
| # 19744725 - 12 silt samples | 168.96 |
| **Linecutting:** Kaska Nomadic Ventures | |
| Invoice # 140001 - 16 man days and lath | 4771.93 |
| **Room & Board:** | |
| September 13 - 1 man day | 65.00 |
| **Total** | $ 9006.67 |

* GST is not included in the invoices

## 10.0 LIST OF REFERENCES


Gordey, S.P., and Irwin, S.E.B. (1987): Geology Sheldon Lake and Tay River map areas, Yukon Territory; GSC Map 19-1987 (3 sheets).

GSC, (1987): Regional Stream Sediment and Water Geochemical Reconnaissance Data. GSC OF 2174 105 K E 1/2.

Poulsen, K.H. (1996): Carlin type gold deposits and their potential occurrence in the Canadian Cordillera; in Current Research 1996-A; Geological Survey of Canada, p. 1-9.

Sevensma, P.H. (1967): Report on Airborne Geophysical Survey and Bulldozer Follow-up; June 1966 and January 26 - February 8, 1967. Assessment report for Mid-West Mines Ltd. and Ventures Mining Ltd.

Tempelman-Kluit, D. J. (1972): Geology and Origin of the Faro, Vangorda, and Swim Concordant Zinc-Lead Deposits, Central Yukon Territory; GSC Bulletin 208.

## APPENDIX 1

## STATEMENT OF QUALIFICATIONS

## ROBERT W. STROSHEIN, P. ENG.

I, Robert W. Stroshein of the City of Whitehorse, Yukon Territory, hereby certify that:

1. I am a Professional Engineer registered (No. 1165) as a member of the Association of Professional Engineers of Yukon Territory.

2. I graduated from the University of Saskatchewan at Saskatoon, Saskatchewan in 1973 with a Bachelor of Science Degree in Geological Engineering.

3. I have been actively engaged as an Exploration Geologist in the Mineral Industry in Western Canada since graduation.

4. I have planned and carried out the exploration on the Barney claims. I researched the geology of the property and prepared this report on the results of the prospecting and geochemical sampling.

5. My business address is:

   General Delivery
   Carmacks, Y. T.
   Y0B 1C0

   My residential address is:

   26 Liard Road
   Whitehorse, Y. T.
   Y1A 3L4

Signed,

Robert W. Stroshein, P. Eng.
April 22, 1998

# APPENDIX 2

## SAMPLE DESCRIPTIONS

| Sample No. | Field Ident. | utm North | utm East | Rock Type | Sulfide | Description | Comment |
|---|---|---|---|---|---|---|---|
| 18120 | R91301 | 83310 | 28015 | sltst | trace | siliceous, rusty weathered, tr diss sulfide, qtz strg | 10 m cliff outcrop, So 110/23 N |
| 18121 | R91302 | 82800 | 26870 | chert | | thick bedded chert | low outcrop, Jo 018/36 W. |
| 18122 | R91303 | 83150 | 26610 | sltst | | miceacous partings along bandding, sst beds, qtz clots | thin banded well bedd, So 095/34 N. |
| 18123 | R91304 | 83240 | 26355 | sst | limonite | dull grey weathered, thin bedded sst, limonite stain | thin bedded, So 120/68 N. |
| 18124 | R91305 | 83400 | 26100 | slst/sst | | micaceous partings, thin banded slst/sst, vuggy qtz | mn staining |
| 18125 | R91306 | 83160 | 25870 | sst | trace-1 % | dun weathering, mass sst, thin platy layers | claim line Barney 25-26, So 105/40 S. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Sample No. | Type | utm North | utm East | Description | Rock-Float | Comments |
|---|---|---|---|---|---|---|
| PR7001 | Silt | 84255 | 28760 | gravel/silt, low flow | platy black shale, qtz, rounded frags | first location upstream water flow |
| PR7002 | Silt | 83960 | 29140 | bldrs/gravel/silt, moderate flow vol&rate | qtz. Monz., serpentite, calc. Siltstone, agglomerate, grnstn, qtz. Shale | moderate size creek, rounded boulders |
| PR7003 | Silt | 83725 | 29015 | bldrs/gravel/silt, mod flow | qtz. Monz., calc. siltstone, agglomerate, grnstn, qtz, shale, sst, qtz eye felsite | substantial flow, |
| PR7004 | Silt | 83740 | 28935 | bldrs/active silt, decrease flow | grnstn-massive/agglomerate, congl., serpentinite bldrs, qtz | below fork |
| PR7005 | Silt | 83600 | 28915 | gravel/silt, low flow | monz., silty ist, calc sltst, grnstn, qtz-chl-ser sch, qtz, felsic porph | east fork |
| PR7006 | Silt | 83700 | 28820 | low flow with mod vel., | blck qtz-ser sch, green qtz-chl-ser sch, blck shale, sltst, qtz, grnstn (volc) | west fork, metavolc subcrop |
| PR7007 | Silt | 83590 | 28460 | low flow with mod vel., bldrs/gravel/silt | blck shale, sltst, sst, qtz, grn volc, sch | alder/willows, mossy |
| PR7008 | Silt | 83310 | 28000 | low flow, silt in bed | grnstn bldrs, slsts, phyll/sch, monz., qtz | upstream of outcrop R91301 |
| PR7009 | Silt | 83000 | 27500 | bldrs/silt, decreasing flow rates & vol | grnst, sst, congl. | valley open, buckbrus abundant |
| PR7010 | Silt | 82780 | 27240 | silt/gravel, low flow mod rate | blck shale, sltst, sst, qtz, phyll/sch | high level pup on east side of creek |
| PR7011 | Soil | 82775 | 26665 | frost boil, 5 cm, 70 % cl, 20 % slt, 10% frags | chert, platy shale, micaceous sst. | on claim line |
| PR7012 | Soil | 82680 | 26580 | frost boil, 5 cm, 50 % cl, 15 % slt, 35% frags | rusty micaceous sst, platy grey green phyllite, black shale, qtz | on claim line,75 m N of #1 post Barney 47&48 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

# APPENDIX 3

# ANALYTICAL RESULTS

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218


To: YGC RESOURCES LTD.

110 INDUSTRIAL RD.
WHITEHORSE, YT
Y1A 2T9

A9744725

Comments: ATTN: ROBERT STROSNEIN

## CERTIFICATE A9744725

(MSK ) - YGC RESOURCES LTD.

Project: PELLY RIVER
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-OCT-97.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 201 | 12 | Dry, sieve to -80 mesh |
| 202 | 12 | save reject |
| 229 | 12 | ICP - AQ Digestion charge |

* 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 |
|---|---|---|---|---|---|
| 100 | 12 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 2118 | 12 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 100.0 |
| 2119 | 12 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 2120 | 12 | As ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 2121 | 12 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2122 | 12 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 2123 | 12 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 2124 | 12 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 2125 | 12 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 2126 | 12 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2127 | 12 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2128 | 12 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2150 | 12 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 2130 | 12 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2131 | 12 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2132 | 12 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 2151 | 12 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2134 | 12 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 2135 | 12 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 2136 | 12 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2137 | 12 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 2138 | 12 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2139 | 12 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2140 | 12 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 2141 | 12 | Sb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 2142 | 12 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 2143 | 12 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2144 | 12 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 2145 | 12 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2146 | 12 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2147 | 12 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 2148 | 12 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 2149 | 12 | 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
PHONE: 604-984-0221 FAX: 604-984-0218

To: YGC RESOURCES LTD.

110 INDUSTRIAL RD.
WHITEHORSE, YT
Y1A 2T9

Project : PELLY RIVER
Comments: ATTN: ROBERT STROSNEIN

Page Number :1-A
Total Pages :1
Certificate Date: 06-OCT-97
Invoice No. :I9744720
P.O. Number :
Account :MSK

## CERTIFICATE OF ANALYSIS A9744720

| SAMPLE | PREP CODE | | Au ppb FA+AA | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18120 | 205 | 226 | < 5 | < 0.2 | 0.92 | 10 | 670 | < 0.5 | < 2 | 0.16 | < 0.5 | 4 | 197 | 35 | 1.87 | < 10 | < 1 | 0.22 | < 10 | 0.30 | 190 |
| 18121 | 205 | 226 | < 5 | < 0.2 | 0.09 | 2 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 171 | 1 | 0.30 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 15 |
| 18122 | 205 | 226 | < 5 | < 0.2 | 0.46 | 2 | 170 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 204 | 28 | 1.11 | < 10 | < 1 | 0.12 | < 10 | 0.19 | 540 |
| 18123 | 205 | 226 | < 5 | < 0.2 | 0.68 | < 2 | 150 | < 0.5 | < 2 | 0.06 | < 0.5 | 6 | 118 | 34 | 1.65 | < 10 | < 1 | 0.16 | 10 | 0.24 | 1075 |
| 18124 | 205 | 226 | < 5 | < 0.2 | 0.80 | < 2 | 310 | < 0.5 | < 2 | 0.08 | < 0.5 | 10 | 121 | 49 | 2.11 | < 10 | < 1 | 0.18 | 10 | 0.24 | 1930 |
| 18125 | 205 | 226 | < 5 | < 0.2 | 2.86 | 6 | 130 | < 0.5 | < 2 | 2.27 | < 0.5 | 26 | 50 | 7 | 5.13 | < 10 | < 1 | 0.15 | < 10 | 2.55 | 1080 |

CERTIFICATION:

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218


To: YGC RESOURCES LTD.

110 INDUSTRIAL RD.
WHITEHORSE, YT
Y1A 2T9

Project : PELLY RIVER
Comments: ATTN: ROBERT STROSNEIN

Page Number : 1-B
Total Pages : 1
Certificate Date: 06-OCT-97
Invoice No. : I9744720
P.O. Number :
Account : MSK

## CERTIFICATE OF ANALYSIS A9744720

| SAMPLE | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18120 | 205 | 226 | 1 | < 0.01 | 12 | 200 | 6 | < 2 | 2 | 18 | < 0.01 | < 10 | < 10 | 15 | < 10 | 30 |
| 18121 | 205 | 226 | < 1 | < 0.01 | 6 | 30 | < 2 | < 2 | < 1 | 1 | < 0.01 | < 10 | < 10 | 11 | < 10 | 6 |
| 18122 | 205 | 226 | < 1 | < 0.01 | 7 | 320 | < 2 | < 2 | 1 | 13 | < 0.01 | < 10 | < 10 | 6 | < 10 | 18 |
| 18123 | 205 | 226 | < 1 | < 0.01 | 13 | 310 | 6 | < 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 13 | < 10 | 28 |
| 18124 | 205 | 226 | < 1 | < 0.01 | 18 | 420 | 12 | < 2 | 2 | 16 | < 0.01 | < 10 | < 10 | 14 | < 10 | 42 |
| 18125 | 205 | 226 | < 1 | < 0.01 | 10 | 330 | 2 | < 2 | 20 | 100 | 0.05 | < 10 | < 10 | 124 | < 10 | 64 |

CERTIFICATION:

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: YGC RESOURCES LTD.

110 INDUSTRIAL RD.
WHITEHORSE, YT
Y1A 2T9

Project : PELLY RIVER
Comments: ATTN: ROBERT STROSNEIN

Page Number : 1-A
Total Pages : 1
Certificate Date: 06-OCT-9
Invoice No. : 19744725
P.O. Number :
Account : MSK

## CERTIFICATE OF ANALYSIS A9744725

| SAMPLE | PREP CODE | | Au ppb FA+AA | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PR7001 | 201 | 202 | < 5 | 0.4 | 0.73 | 12 | 410 | < 0.5 | < 2 | 0.74 | 1.5 | 11 | 19 | 40 | 2.07 | < 10 | < 1 | 0.08 | 10 | 0.44 | 720 |
| PR7002 | 201 | 202 | < 5 | < 0.2 | 0.94 | 8 | 370 | < 0.5 | < 2 | 0.67 | 0.5 | 10 | 27 | 28 | 2.06 | < 10 | < 1 | 0.10 | 10 | 0.54 | 515 |
| PR7003 | 201 | 202 | < 5 | 0.2 | 1.05 | 10 | 460 | < 0.5 | < 2 | 0.77 | 0.5 | 12 | 35 | 31 | 2.56 | < 10 | < 1 | 0.11 | 10 | 0.65 | 835 |
| PR7004 | 201 | 202 | < 5 | 0.4 | 0.90 | 4 | 390 | < 0.5 | < 2 | 1.55 | 0.5 | 9 | 31 | 28 | 1.96 | < 10 | < 1 | 0.11 | 10 | 0.93 | 395 |
| PR7005 | 201 | 202 | < 5 | < 0.2 | 0.98 | 10 | 410 | < 0.5 | < 2 | 0.57 | 0.5 | 9 | 27 | 24 | 1.99 | < 10 | < 1 | 0.10 | 10 | 0.49 | 440 |
| PR7006 | 201 | 202 | < 5 | < 0.2 | 1.06 | 8 | 330 | < 0.5 | < 2 | 0.75 | 0.5 | 13 | 27 | 35 | 2.58 | < 10 | < 1 | 0.13 | 20 | 0.62 | 825 |
| PR7007 | 201 | 202 | < 5 | < 0.2 | 1.00 | 10 | 340 | < 0.5 | < 2 | 0.60 | 0.5 | 13 | 29 | 26 | 2.60 | < 10 | < 1 | 0.11 | 10 | 0.63 | 870 |
| PR7008 | 201 | 202 | < 5 | < 0.2 | 0.99 | 8 | 310 | < 0.5 | < 2 | 0.85 | < 0.5 | 14 | 33 | 26 | 2.74 | < 10 | < 1 | 0.11 | 10 | 0.75 | 890 |
| PR7009 | 201 | 202 | < 5 | < 0.2 | 1.00 | 8 | 310 | < 0.5 | < 2 | 1.21 | 0.5 | 12 | 28 | 30 | 2.42 | < 10 | < 1 | 0.13 | 20 | 0.61 | 710 |
| PR7010 | 201 | 202 | < 5 | < 0.2 | 0.90 | 18 | 270 | < 0.5 | < 2 | 0.43 | 0.5 | 16 | 24 | 15 | 2.89 | < 10 | < 1 | 0.08 | 10 | 0.44 | 1555 |
| PR7011 | 201 | 202 | 30 | < 0.2 | 1.16 | 12 | 240 | < 0.5 | < 2 | 0.35 | < 0.5 | 11 | 56 | 36 | 2.57 | < 10 | < 1 | 0.09 | 30 | 0.74 | 330 |
| PR7012 | 201 | 202 | < 5 | 0.4 | 1.12 | 16 | 170 | < 0.5 | < 2 | 0.19 | < 0.5 | 17 | 23 | 59 | 4.14 | < 10 | < 1 | 0.13 | 60 | 0.49 | 580 |

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To: YGC RESOURCES LTD.

110 INDUSTRIAL RD.
WHITEHORSE, YT
Y1A 2T9

Project : PELLY RIVER
Comments: ATTN: ROBERT STROSNEIN

Page Number : 1-B
Total Pages : 1
Certificate Date: 06-OCT-97
Invoice No. : 19744725
P.O. Number :
Account : MSK

## CERTIFICATE OF ANALYSIS A9744725

| SAMPLE | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PR7001 | 201 | 202 | 5 | < 0.01 | 36 | 1040 | 12 | 2 | 3 | 54 | < 0.01 | < 10 | < 10 | 32 | < 10 | 180 |
| PR7002 | 201 | 202 | 2 | < 0.01 | 33 | 970 | 14 | < 2 | 3 | 41 | 0.01 | < 10 | < 10 | 31 | < 10 | 112 |
| PR7003 | 201 | 202 | 3 | < 0.01 | 41 | 1060 | 14 | < 2 | 3 | 42 | 0.01 | < 10 | < 10 | 37 | < 10 | 132 |
| PR7004 | 201 | 202 | 5 | < 0.01 | 34 | 1860 | 10 | < 2 | 3 | 54 | 0.01 | < 10 | < 10 | 49 | < 10 | 140 |
| PR7005 | 201 | 202 | 1 | < 0.01 | 31 | 990 | 12 | < 2 | 3 | 38 | 0.03 | < 10 | < 10 | 39 | < 10 | 110 |
| PR7006 | 201 | 202 | 3 | < 0.01 | 36 | 860 | 20 | < 2 | 3 | 42 | 0.01 | < 10 | < 10 | 30 | < 10 | 122 |
| PR7007 | 201 | 202 | 3 | < 0.01 | 36 | 830 | 18 | < 2 | 3 | 38 | 0.01 | < 10 | < 10 | 29 | < 10 | 122 |
| PR7008 | 201 | 202 | 3 | < 0.01 | 40 | 800 | 20 | < 2 | 3 | 41 | 0.01 | < 10 | < 10 | 28 | < 10 | 124 |
| PR7009 | 201 | 202 | 3 | 0.01 | 35 | 790 | 18 | < 2 | 3 | 58 | 0.01 | < 10 | < 10 | 25 | < 10 | 118 |
| PR7010 | 201 | 202 | 2 | < 0.01 | 32 | 940 | 20 | < 2 | 2 | 26 | 0.01 | < 10 | < 10 | 32 | < 10 | 124 |
| PR7011 | 201 | 202 | 1 | < 0.01 | 64 | 600 | 12 | < 2 | 4 | 26 | 0.03 | < 10 | < 10 | 32 | < 10 | 74 |
| PR7012 | 201 | 202 | 1 | < 0.01 | 42 | 820 | 26 | < 2 | 3 | 18 | < 0.01 | < 10 | < 10 | 19 | < 10 | 142 |

CERTIFICATION: