# 2004 EXPLORATION REPORT
on the
# BARRINGTON PROPERTY
**Liard Mining Division**
**BCGS 104 G 071**
**for**

**CANADIAN EMPIRE EXPLORATION CORP.**

**by**
**G. Norman, P. Geo.**
**February 20, 2005**

MOUNT BARRINGTON

27,

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## 1.0 Summary

The Barrington project is located in northern B.C. approximately 100 km southwesterly from Dease Lake and 45 km west southwest from Telegraph Creek. Canadian Empire Exploration Corp. conducted a series of short property style field examinations over the course of the 2004 field season to procure sufficient data to justify continued exploration of larger scale program including diamond drilling. A total of 3 visits (two by the author (Mr. George Norman) and one by geological consultant, Rod Kirkham) were made between June 30 and Oct 5, 2004. A total of 5 field days (July 2, Sept 11, Sept 12, Oct 3 and Oct 4) were spent on the property. Helicopter trips to and from the property were generally hampered by foggy weather increasing costs of completing field work. Fieldwork consisted of mapping and re-sampling of several known showings including the Discovery, Bert, Zamba, 180 STN and Spike Showings. Hand trenching was completed on the Zamba Showing in order to expand extensive K- feldspar alteration and copper mineralization previously discovered by Dan Ethier and re-sampled by Rod Kirkham during his trip, Sept 11 and 12. As well as the property examinations, a total of 80 units were staked July 17, 2004 to cover the area to the north and west of Bob 1 (20 units) claim. The additional claims include Bob 2 (20 units), Bob 3 (8 units), Bob 4 (8 units), Bob 5 (10 units), Bob 6 (16 units) and Bob 7 (18 units).

The Bob claims are underlain by the Jurassic Limpoke pluton, a two-phase stock with a biotite hornblende quartz monzonite outer phase and medium grained hornblende monozodiorite inner phase. Leucocratic potassium feldspar megacrystic syenite dikes intrude the eastern and western borders of the pluton and surrounding Upper Triassic Stuhini Group sedimentary and volcanic rocks. The Stuhini volcanics are also host to the Galore Creek deposit located 85 km south of Telegraph Creek. The Galore Creek deposit reported resources in the order of 125 million tonnes grading 1.06% Cu, 0.40 g/t Au and 7.7 g/t Ag.

The Barrington property has seen exploration work completed since 1963 to present with Kennco (1963-66), Teck (1982) and Integrated Resources Ltd (1989-91). Kennco drilled a few holes with negative results within an IP - resistivity target and Integrated Resources drilled one hole into the Discovery showing to test a northerly trending mineralized structure exhibiting gold and copper values up to 8.1 g/t Au and 0.56% Cu over 3.0m. This hole is believed to have been lost due to bad ground conditions just short of the target zone. Dan Ethier, the present owner, staked the Bob 1 claim in 1994 and has completed sufficient assessment work to keep the claims in good standing until 04/06/2004 (excluding work to be applied by Canadian Empire Limited). During 2004, Canadian Empire concluded an option agreement Dan Ethier to further explore the claims.

Canadian Empire Exploration Corp. procured a total of 55 rock samples from the various surface showings concentrating predominately on the Discovery, Zamba and Spike Showings. Significant results of this work on the main showings include: the Discovery Showing with 8.0 meters averaging 0.19% Cu and 0.23 g/t Au; the Zamba Showing with 6 m averaging 0.56 % Cu and 0.86 g/t Au and the Spike Showing with 4 m averaging 1.14% Cu and 0.87 g/t Au.

Canadian Empire Exploration Corp. does not consider the above results encouraging enough to justify on- going exploration and the property is being returned to the vendor.

# 2.0 Introduction

## *2.1 Property Description and Location*

The expanded Barrington property consists of Bob 1 to Bob 7 claims (100 units) and the Poke claim (1 unit) for a total 101 units of acquired by Dan Ethier covering 2525 ha. The Barrington property is located approximately 130 km southwest of Dease Lake, and 45 km west southwest Telegraph Creek BC, lying within the Liard Mining Division on NTS map-sheet 104 G/13 (Figure 1). The Barrington property extends parallel to and 2.5 km southerly along the Limpoke Creek valley for approximately 8 km westerly from Barrington River. The property is centered at 57° 48' north latitude and 131° 51' west longitude.

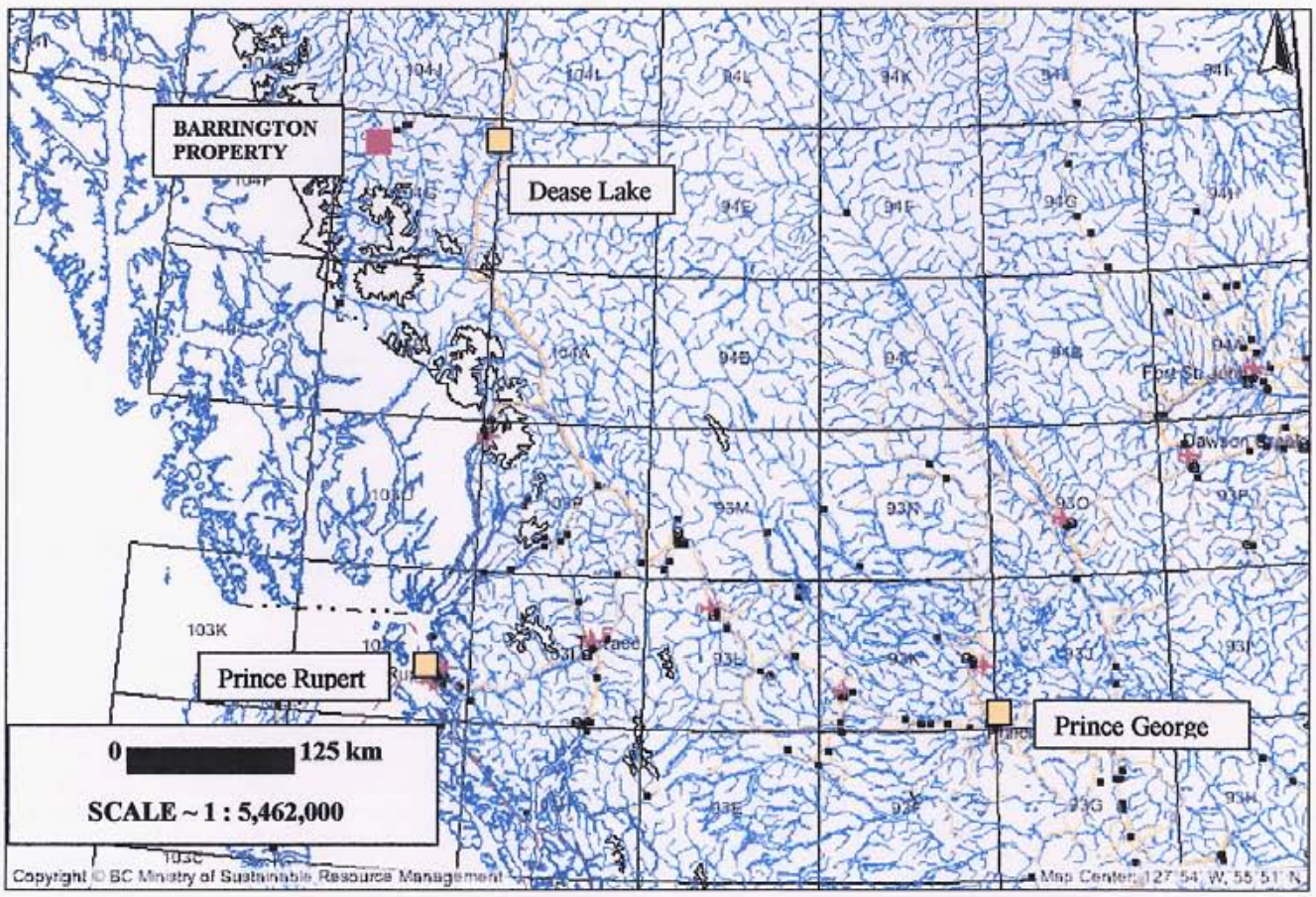



**Figure 1 General Location Map**

## 2.2 *Accessibility, Infrastructure, Climate, Physiography, and Local Resources*

Dease Lake is the nearest community to the Barrington property that can adequately support exploration programs in the area, although a helicopter supported exploration camp based out of Telegraph Creek located approximately 45 km (20 minutes by helicopter) to the northeast would be the most cost effective approach to working the property for modest size exploration program or a drill job. Telegraph Creek is a village of a few hundred people and is connected to the southwest from Dease Lake by a 100 km gravel road. The small community is supported by a small RCMP detachment, motel-grocery, a two-nurse Nursing Station and is serviced by regular air and truck transportation throughout the summer months. A small float-plane base is also located near-by. The Barrington property can be accessed by helicopter from Dease Lake located approximately 130 km northeast of the property with one-hour flying time. A trail exists northwesterly from Telegraph Creek to the historical Barrington Placer operation located approximately 9 km southward from the property on Barrington River. Further south, near the mouth of the Barrington River there is a gravel airstrip.

The Barrington property lies within but near the eastern boundary of the Coast Mountains (Boundary Ranges) physiographic region and just westerly from the Tahltan Highlands. The Coast Mountains are characterized by steep, rugged topography, high relief, extensive alpine glaciers and snowfields and dense rain forest at lower elevations (< 1000m). To the south, the Scud ice field and glacier covers more than 50 square km and jagged peaks such as Ambition Mountain reach elevations of more than 2900m; adjacent to the property, Barrington Mountain reaches elevations of greater than 1900m. In contrast to the rugged Coast Mountains, the Telegraph lowlands to the east have subdued relief with forested and glacially rounded rock formations.

Precipitation within the coastal mountains zone is very high with winter precipitation resulting in heavy snowfalls. Snow covers the property from late September to late June and the effects of coastal weather strongly affects airborne access to the property during the exploration field season which typically extends from early July until late-September or early October.

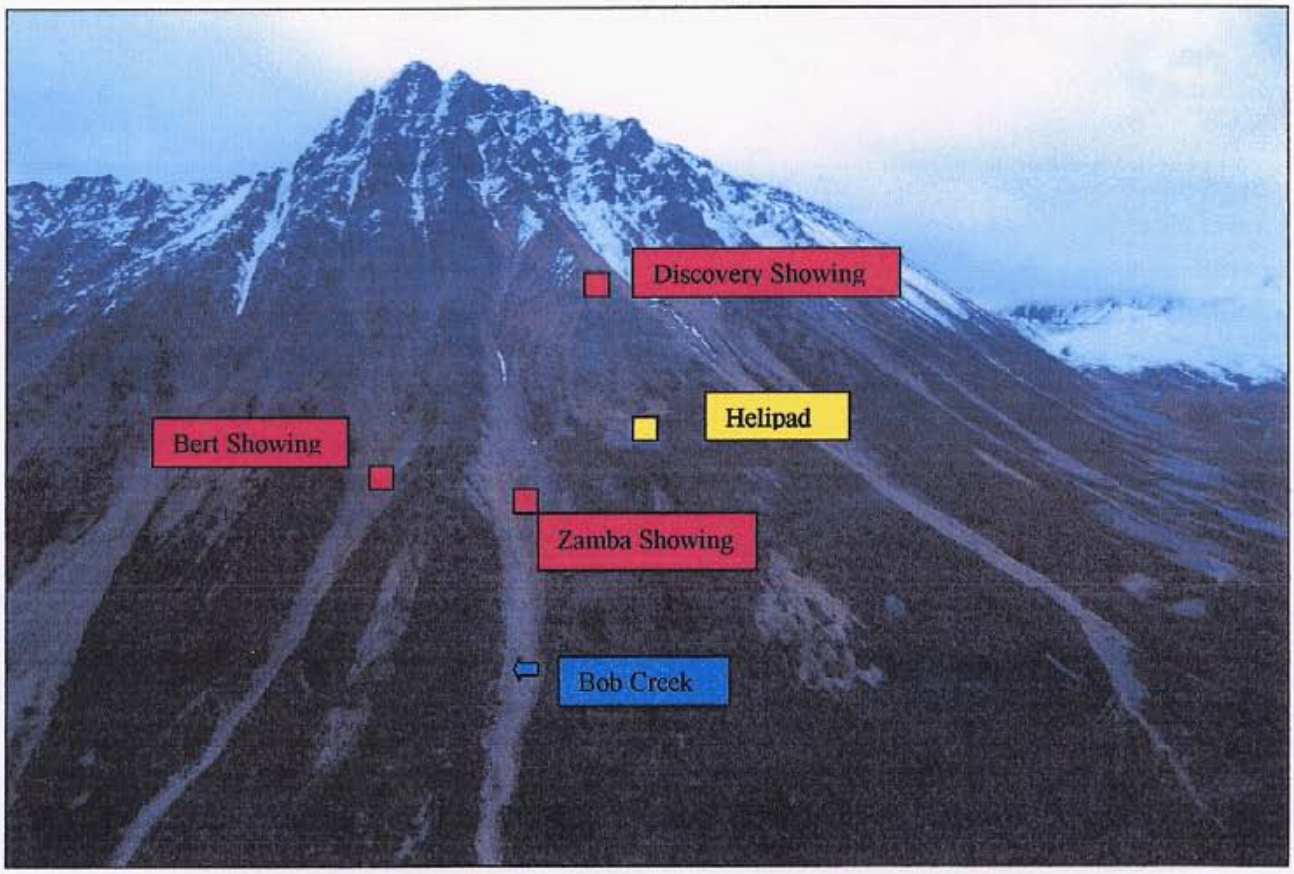



**Photo 1 BARRINGTON PROPERTY**

## 2.3 List of Claims

Canadian Empire Exploration Corp. has optioned a total of 101 units in 8 claims (2525 ha), from Dan Ethier. The claims are listed in Table 1 and outlined in Figure 2:

| Claim Name | Record No. | Expiry Date | Registered Owner | % Owned | NTS # |
|---|---|---|---|---|---|
| Poke | 409280 | 6-Apr-06 | Dan Ethier | 100 | 104 G/13 |
| Bob 1 | 324704 | 6-Apr-06 | Dan Ethier | 100 | 104 G/13 |
| Bob 2 | 412723 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |
| Bob 3 | 412724 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |
| Bob 4 | 412725 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |
| Bob 5 | 412726 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |
| Bob 6 | 412727 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |
| Bob 7 | 412728 | 17-Jul-05 | Dan Ethier | 100 | 104 G/13 |

**Table 1.** List of claims.

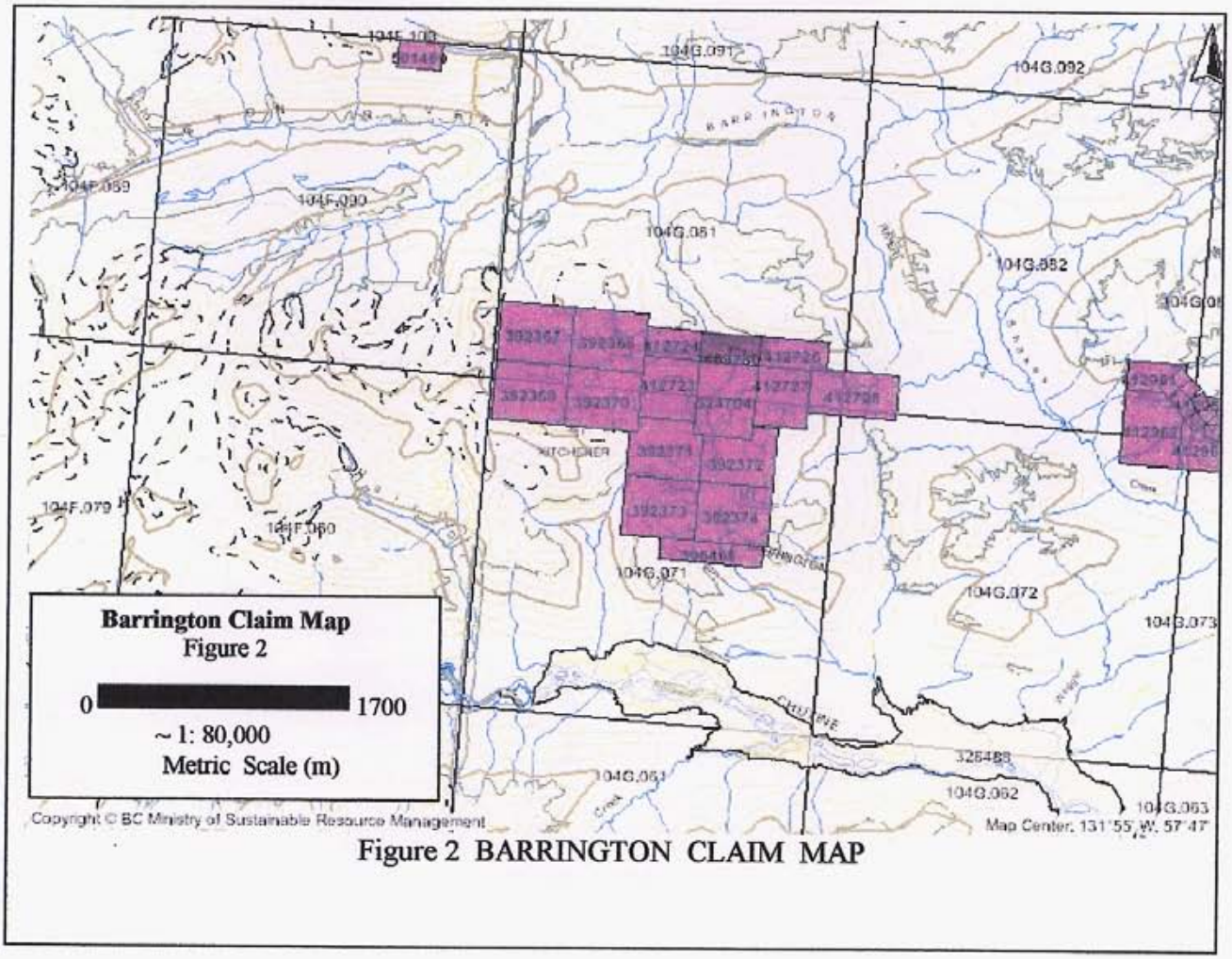



Figure 2 BARRINGTON CLAIM MAP

## 2.4 *Previous Work (History)*

The Barrington property has seen exploration work completed since 1963 to present with Kennco (1963-66), Teck (1982) and Integrated Resources Ltd (1989-91). Kennco drilled a few holes with negative results within an IP - resistivity target and Integrated Resources drilled one hole into the Discovery showing to test a northerly trending mineralized structure exhibiting gold and Cu values up to 8.10 g/t Au and 0.56% Cu over 3.0m. This hole is believed to have been lost due to bad ground conditions just short of the target zone. Dan Ethier, the present owner, staked the Bob 1 claim in 1994 and has completed sufficient assessment work to keep the claims in good standing until 04/06/2004 (excluding work to be applied by Canadian Empire Limited). During 2004, Canadian Empire concluded an option agreement Dan Ethier to further explore the claims.

## *2.5 2004 Exploration Work*

Canadian Empire Exploration Corp. conducted a series of short property style field examinations over the course of the 2004 field season to procure sufficient data to justify continued exploration of larger scale program including diamond drilling. A total of 3 visits (two by the author (Mr. George Norman) and one by geological consultant, Rod Kirkham- whose report " Property Examination Bob Group, Limpoke Creek, Barrington River Area, Northern British Columbia (104G/13W) is located in Appendix I ) were made between June 30 and Oct 5, 2004. A total of 5 field days (July 2, Sept 11, Sept 12, Oct 3 and Oct 4) were spent on the property. Helicopter trips to and from the property were generally hampered by foggy weather increasing costs of completing field work. Fieldwork consisted of mapping and re-sampling of several known showings including the Discovery, Bert, Zamba, 180 STN and Spike Showings. Hand trenching was completed on the Zamba Showing in order to expand extensive K- feldspar alteration and copper mineralization previously discovered by Dan Ethier and re-sampled by Rod Kirkham during his trip, Sept 11 and 12. As well as the property examinations, a total of 80 unites were staked July 17, 2004 to cover the area to the north and west of Bob 1 (20units) claim. The additional claims include Bob 2 (20 units), Bob 3 (8 units), Bob 4 (8 units), Bob 5 (10 units), Bob 6 (16 units) and Bob 7 (18 units).

# 3.0 Geology and Mineralization

## *3.1 Regional Geology*

The Barrington Project lies within a portion of a northwest-trending mineral-rich belt that includes important precious and base metal deposits such as the Premier, Sulphurets, Eskay Creek, Johnny Mountain, Snip, Galore Creek and Golden Bear.

The project area lies within the Stikine Terrane (Stikinia) of the Intermontane Belt of the Canadian Cordillera between the Coast Belt and the Bowser Basin. Refer to Figure 3. In this area, Stikinia comprises Paleozoic and Mesozoic arc volcano-sedimentary rocks and coeval plutonic complexes which are overlain by marine clastic rocks of the Bowser Lake Group which are in turn overlain by continental strata of the Sustut and Sloko Groups.

The stratigraphic succession within the region consists of: 1) Carboniferous volcanic and sedimentary rocks; 2) Permian limestone, tuff and chert of the Stikine assemblage; 3) Permian to Middle Triassic chert; 4) Upper Triassic submarine mafic and felsic volcanic rocks and related sedimentary rocks of the Stuhini Group; 5) Lower to Middle Jurassic subaerial and marine volcanic and sedimentary rocks of the Hazelton Group; 6) Upper Cretaceous to Paleocene nonmarine molasses-type coarse grained clastic rocks of the Sustut Group; 7) Eocene felsic to mafic calcalkaline volcanic rocks of the Sloko Group and 8) Miocene to Recent basalt flows. A suite of Triassic to Eocene granitic to ultramafic rocks intrudes the above assemblages.

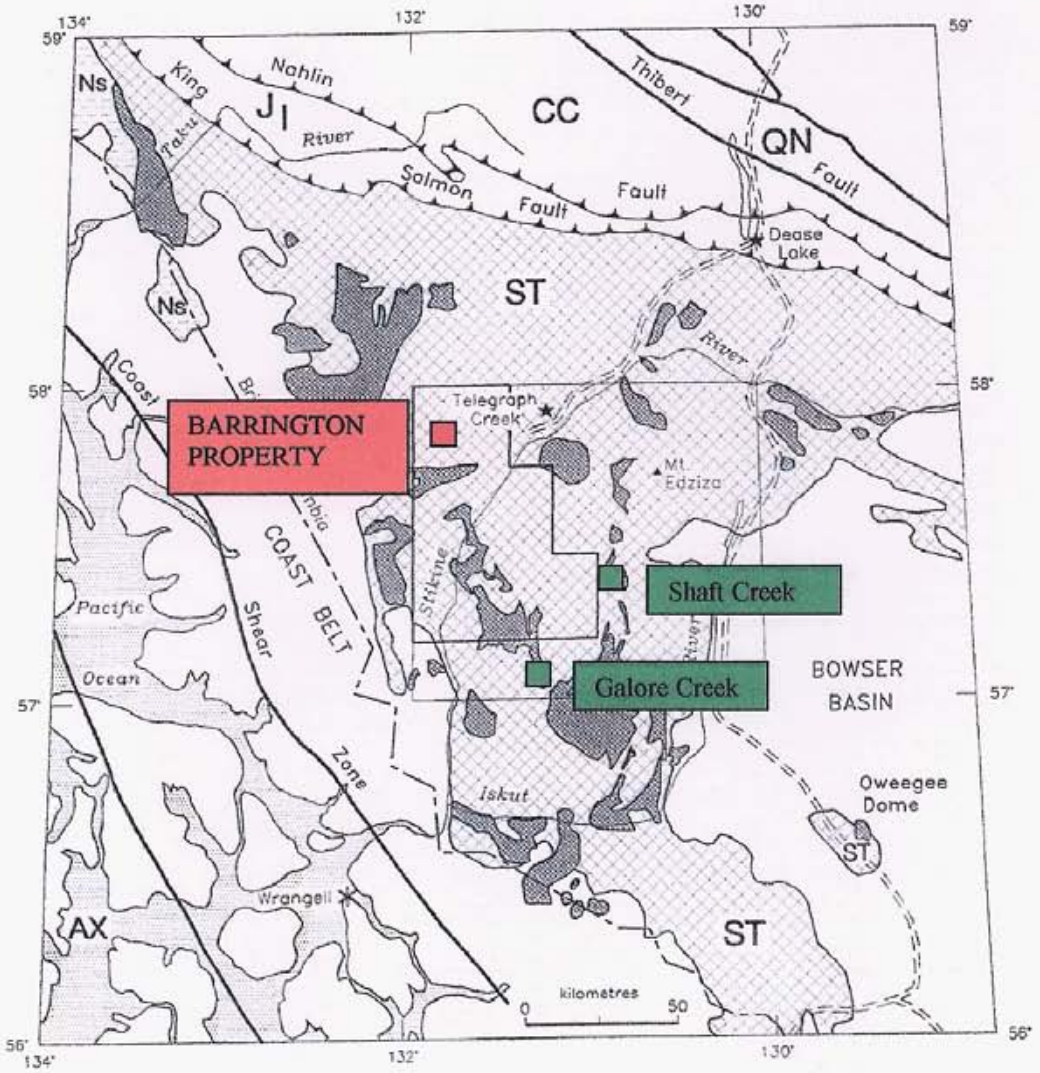



Figure 2-1. Location of project area on a simplified terrane map of northwestern British Columbia and its relationship to the regional distribution of the Stikine assemblage (modified from Wheeler and McFeely, 1991). Fine cross-hatched areas = Paleozoic strata correlated with Stikine assemblage, AX = Alexander Terrane, CC = Cache Creek Terrane, JI = Inklin assemblage (post-terrane accretion overlap assemblage), NS = Nisling terrane, ST = Stikinia (coarse cross-hatch), QN = Quesnellia. Outer box is the outline of the Telegraph Creek map area (104G), and the inner polygon represents the Stikine project area.

**Taken from Bulletin 95, The Stikine Project: Geology of Western Telegraph Creek Map Area, Northwestern B.C. page 8**

**Figure 3** Barrington Regional Geology

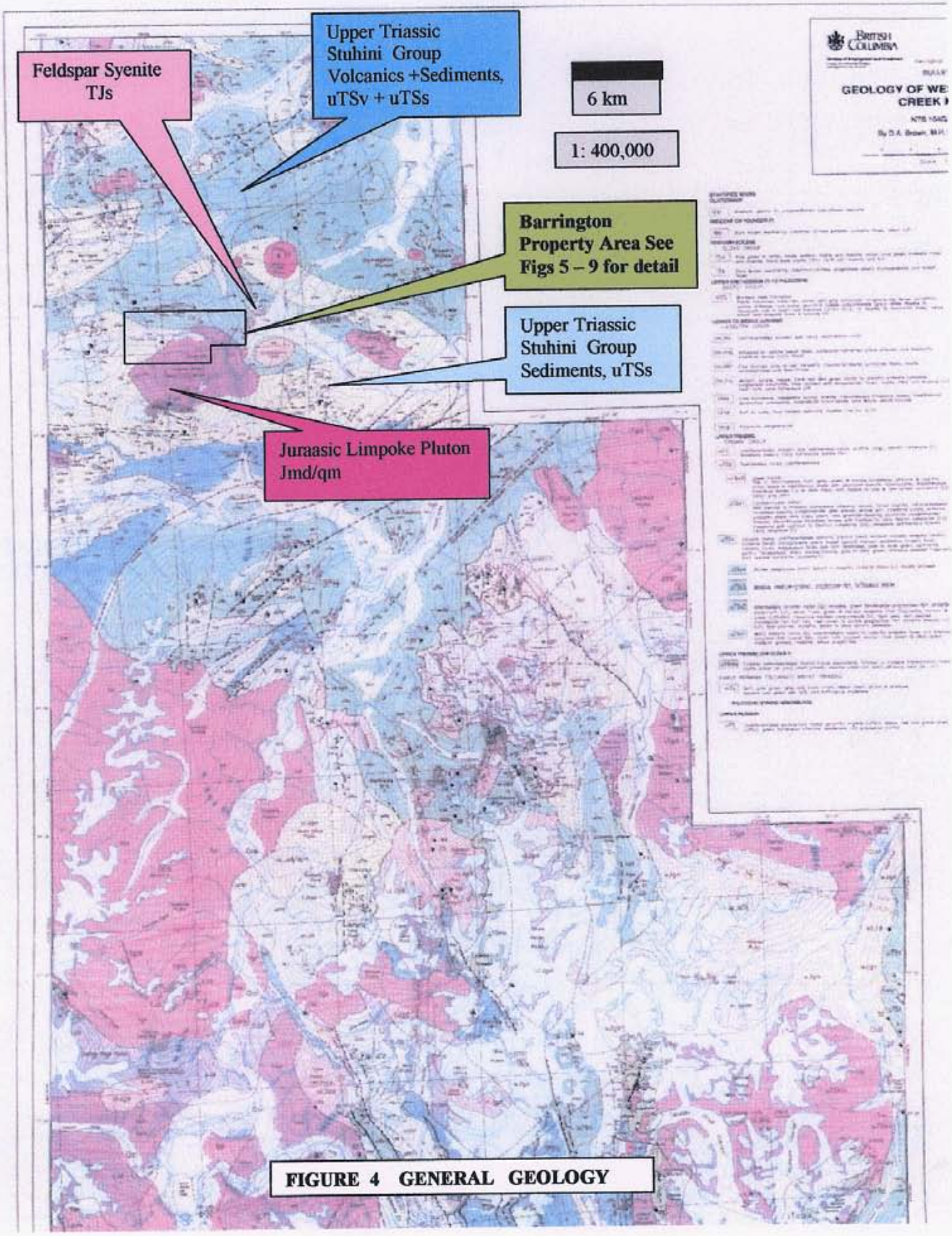



**FIGURE 4 GENERAL GEOLOGY**

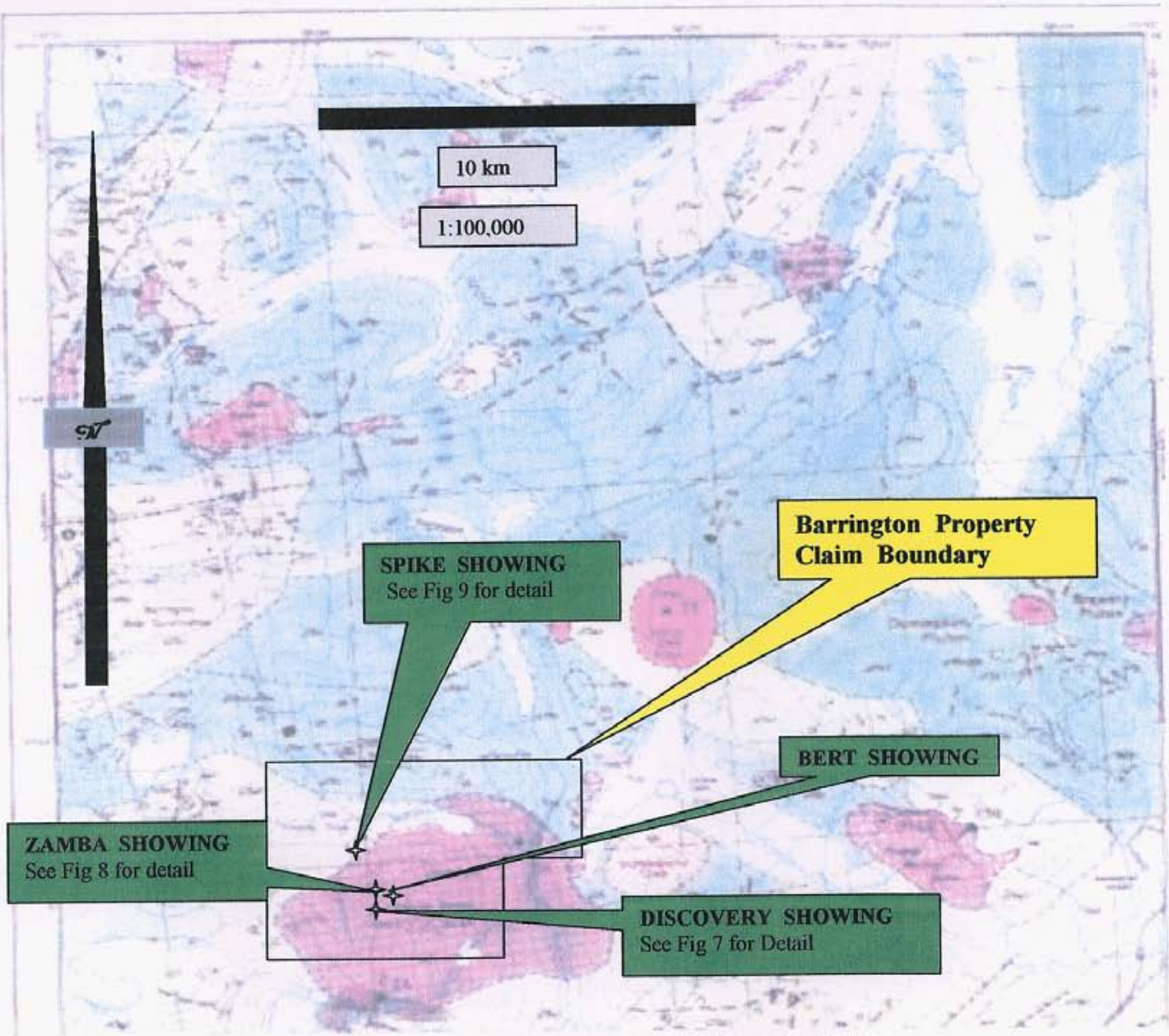



**FIGURE 5 "SHOWING" LOCATION MAP**

### 3.2 Property Geology

The Bob claims are underlain by the early Jurassic Limpoke pluton of the Texas Creek plutonic suite (189-195 Ma). Refer to Figure 4. This suite is associated with economically important precious and base metal deposits like the Premier and Sulphurets deposits in the Sewart-Iskut area. The Limpoke pluton is a two-phase stock with a biotite hornblende quartz monzonite outer phase and medium grained hornblende monozodiorite inner phase. Leucocratic potassium feldspar megacrystic syenite dikes and plugs intrude the eastern and western borders of the pluton and surrounding Upper Triassic Stuhini Group sedimentary and volcanic rocks.

### 3.3 Mineralization and Results

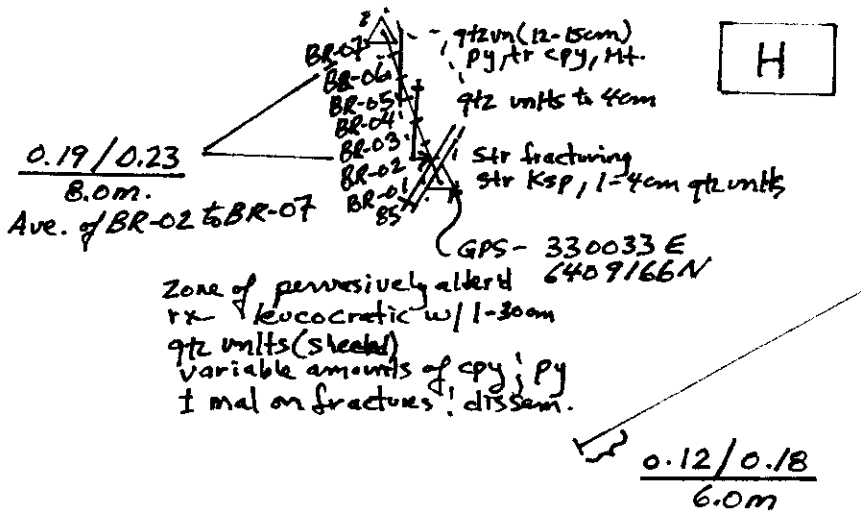
The exploration work has focused in on potassic alteration and sheeted quartz vein systems within the syenite dykes/plugs and altered Stuhini sedimentary and volcanic rocks adjacent to the Limpoke pluton predominately within NE-SW and NW-SE trending structures with mineralization consisting of disseminated to massive pyrite +- chalcopyrite. The Limpoke area has been touted as being a Galore Creek Cu-Au target. The Galore Creek deposit (Logan & Koyangi, 1989) with reported resources of 125 million tonnes grading 1.06% Cu, 0.40 g/t Au and 7.7 g/t Ag is hosted in potassically altered Stuhini andesites and breccia pipes adjacent to syenite porphyry dykes and plugs. Potassium feldspar, biotite, anhydrite and garnet are ubiquitous and locally replace host rocks completely. Mineralization is comprised of chalcopyrite with pyrite and traces of zinc-lead sulphides. Precious metal credits include native gold and silver. Drill intercepts of 60m grading 2.0% Cu and 6.9 gm/ t Au have been noted peripheral to the main zone.

The mineralized zones at the Barrington property include the Discovery, 180 STN, Zamba, Bert and the Spike showings have been the focus of several property examinations by G. Norman and R. Kirkham over the course of the 2004 summer field season from June to Oct. Refer to Figures 5 and 6. The showings were examined and sampled and in the case of the Zamba Showing, hand trenched prior to sampling. Rod Kirkham's report is given in Appendix III and is referred to in this report from time to time. The mineralized zones are discussed below:

#### 3.3.1 Discovery Showing

The Discovery or "Bob" Showing is located at UTM co-ordinates 0330033E and 6409166N was examined separately by G. Norman and Rod Kirkham. The zone as described by Rod Kirkham, Appendix I " is a steeply dipping north-south trending sheeted quartz vein system within an intensely potassically (?) altered fine grained rock. The original rock type is uncertain". Quartz veins, 1 to 30mm wide contain variable amounts of pyrite and chalcopyrite are spaced 30 to 100 cm apart. Pyrite in amounts up to 1% with subordinate chalcopyrite occur in the quartz veins and also disseminated within the country rock. The zone was chip samples over 9m with 8.0 m averaging 0.19% Cu and 0.23 g/t Au (sampled by G. Norman). Mr. Kirkham believed that the zone was cut off to the north by one or more east-west trending faults. Previous samplers returned 8.0 g/t Au, 18.5 g/t Ag and 0.56% Cu over 2m. Refer to Photos 2 and 3 and Figures 6 and 7.

# DISCOVERY SHOWING




## LEGEND

abrev. - malachite - mal
chalcopyrite - cpy
pyrite - py
K-feldspar - Kspar
fine grained - fg
strong - str
limonite - lim
carbonate - carb
veinlets - vnlts
biotite - bio
chlorite - chl

Drill Hole dip, azimuth, depth w/ drill hole surface trace. -65, 240°Az 110.5m

Helipad H

GPS POINT

ASSAY RESULTS
%Cu | g/t Au
width (m)
0.19/0.23
8.0m

Sample Location BR-02
outcrop/bedrock

0 5 10 15m
SCALE 1:500

Figure 7

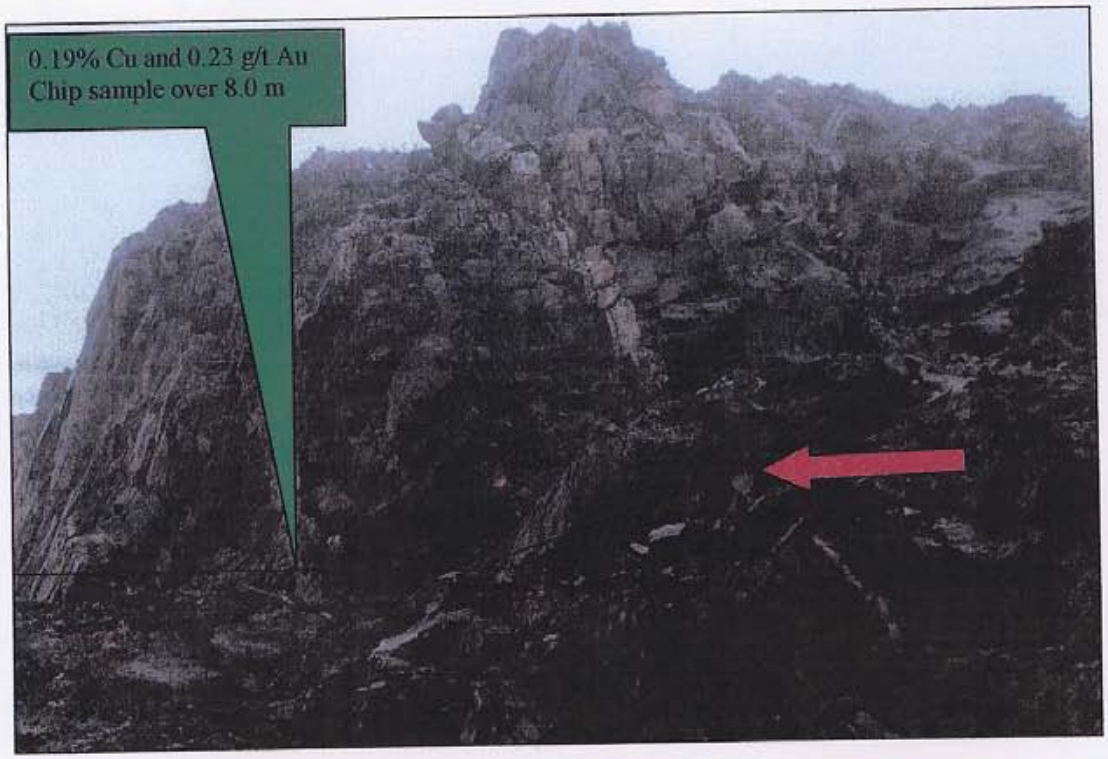
**Canadian Empire Exploration Corp.**

BARRINGTON PROJECT

DISCOVERY SHOWING

Geology & Rock Samples

**Photo 2 DISCOVERY SHOWING ("BOB")**



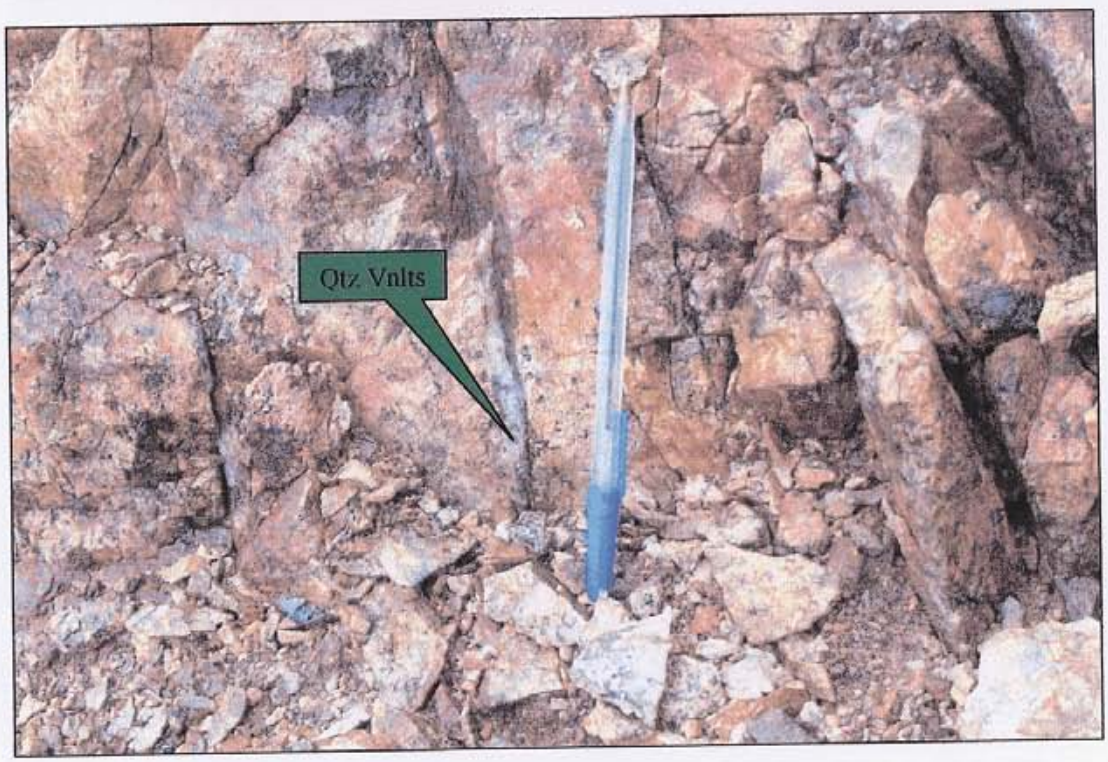




**Photo 3 DISCOVERY SHOWING: pervasive K-spar with sheeted qtz vnlts**

### 3.3.2 Bert Showing

The Bert Showing is located at UTM co-ordinates 330104E and 6409314N approximately 165m northeasterly from the Discovery Zone. A 1 meter wide shear zone was sampled trending at 155° Azimuth and dipping 70 ° SE. The shear contains a narrow semi-massive sulphide zone which returned 2.4% Cu, 54 g/t Ag and 1.54 g/t Au from the 1 m wide sample. Because of snow cover at the time of the exam the full extent of the mineralization was difficult to assess. Previous sampling of the zone returned 0.66% Cu and 0.89 g/t Au from chips taken over 12.4m. It appeared from the author's observations that the shear zone weakened to the east in relatively unaltered granodiorite.

### 3.3.3 180STN Showing

The 180STN showing was examined and sampled by Rod Kirkham and procured three spaced chip samples (KQ-04-23A,B & C) from the base of a steep outcrop in the Bonanza Gulch dry stream valley. Rod describes the host rock as a pale pink altered, coarse-grained, trachytoid, megacrystic syenite. The altered matrix contains about 1% pyrite with a trace of chalcopyrite. A few scattered steep, north-south trending quartz veins were noted in the area. The samples returned low values in Cu and Au (~ 0.017% Cu and~ 0.03 g/t Au).

### 3.3.4 Zamba Showing

The Zamba showing is located on the east side of the Bob North Gulley dry stream valley at UTM co-ordinates 0329767E and 6409638N. The showing was examined and sampled by both G. Norman and R. Kirkham. Due to rusty muddy talus cover, continuous chip samples were procured only after hand trenching was completed. The host rock is intensely K-feldspar altered (+/- biotite) altered pink megacrystic syenite porphyry with blebby disseminated chalcopyrite. The zone was sampled over 20 meters. A zone of intense pervasive K-feldspar with disseminated chalcopyrite located adjacent to the creek bed averaged 0.56% Cu and 0.86g/t Au over 6 meters. The remaining trench of 10 meters averaged 0.032 % Cu and 0.053 g/t Au. The intensity of K-feldspar weakens away from the creek bed as does copper mineralization, suggesting that the control for alteration and mineralization is a NW-SE trending structure which parallels the creek valley. Refer to Photos 4 and 5 and Figures 6 and 8.

# ZAMBA SHOWING

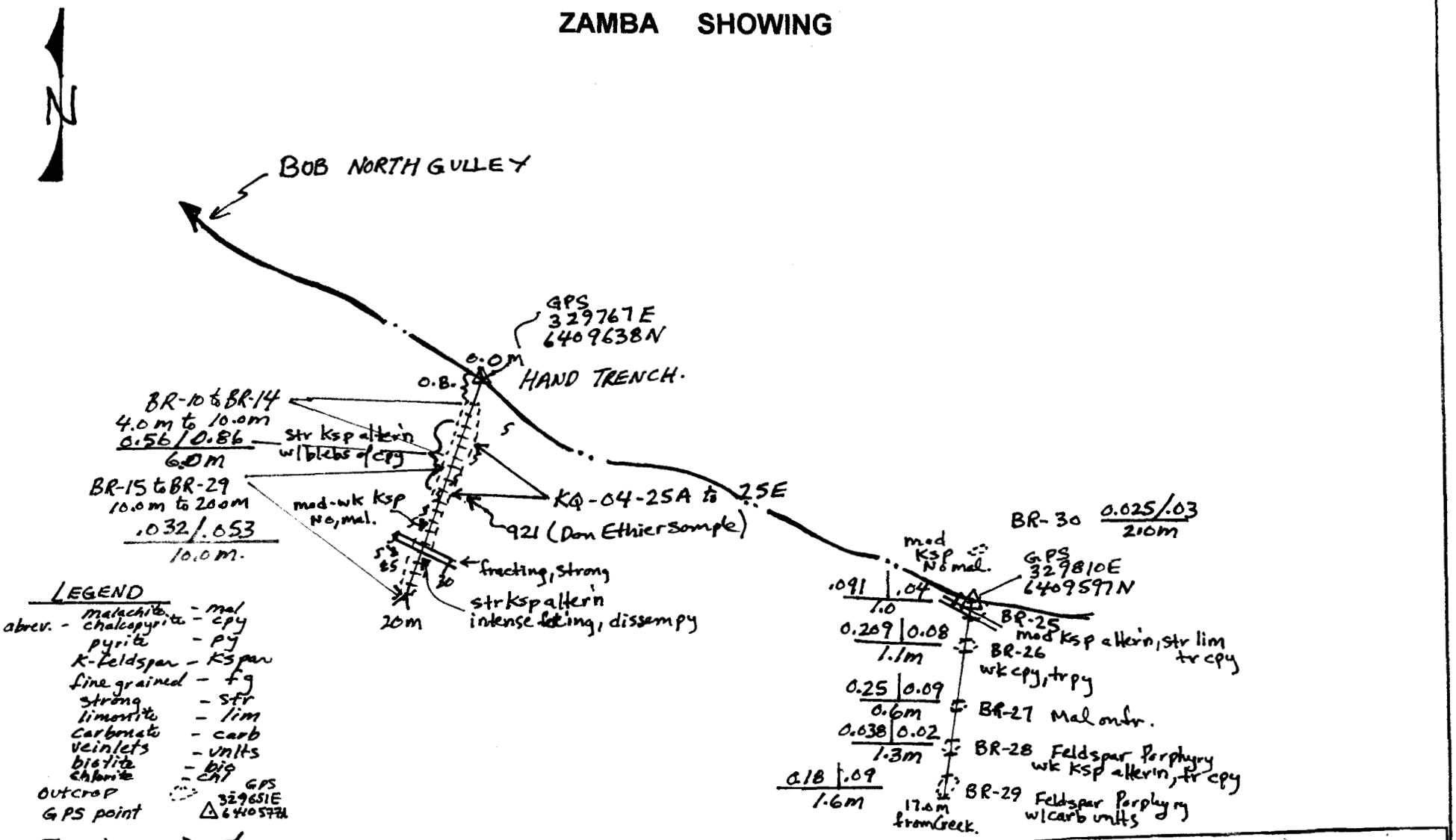



Figure 8

Canadian Empire Exploration Corp.

BARRINGTON PROJECT

ZAMBA SHOWING

Geology and Rock Sample Locations

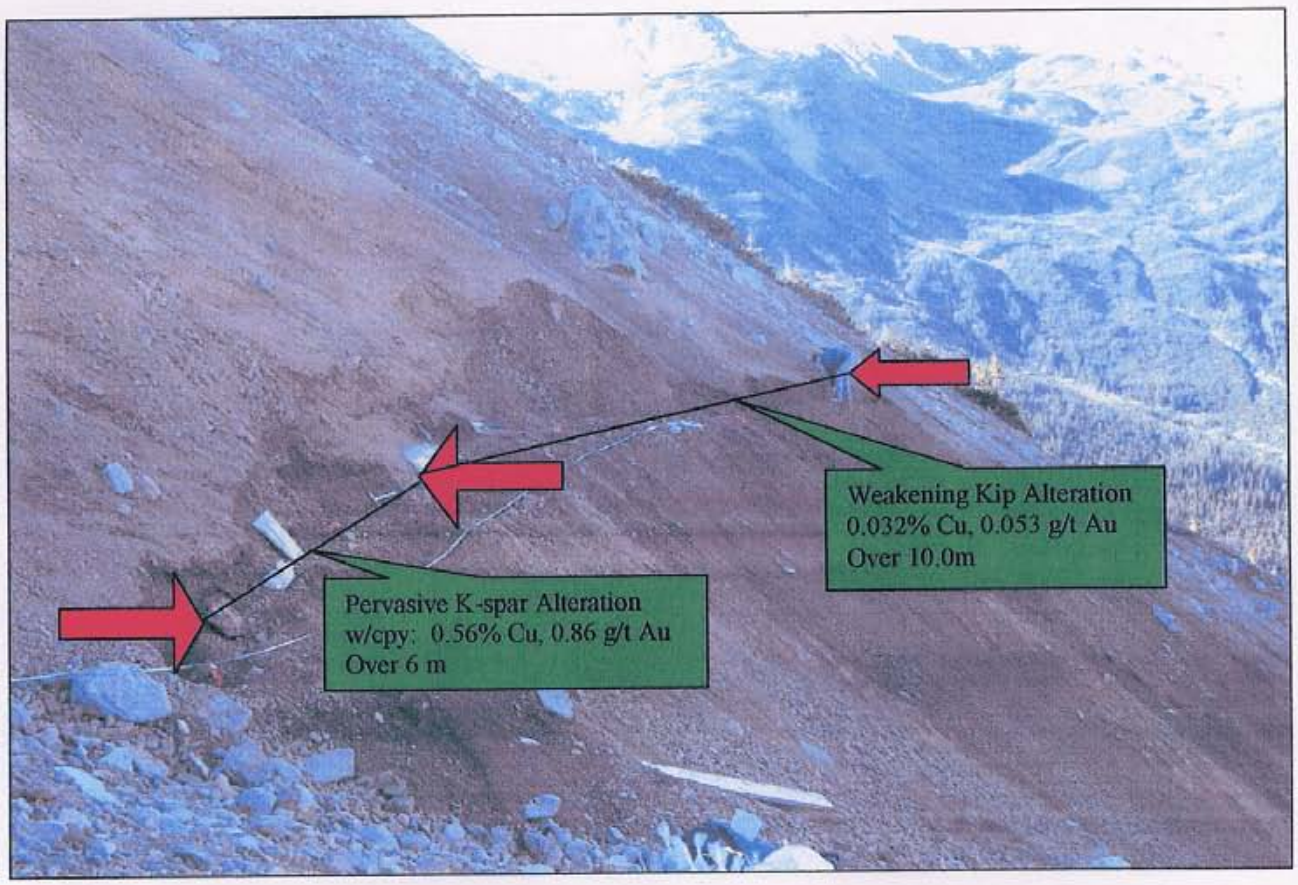



**Photo 4 ZAMBA SHOWING : Hand trenching**

**Photo 5 ZAMBA SHOWING** – Hand Trench, strong K-feldspar alteration with cpy

### *3.3.5 Spike Showing*

The Spike showing was examined and sampled by G. Norman. The showing is located adjacent to Pokey Creek at UTM co-ordinates 0329660E and 6410519N. A moderately K-feldspar altered (possible syenite feldspar porphyry) rock is sheared at N 60° W and steeply north dipping to near vertical returned values of 1.14% Cu and 0.87 g/t Au over 4 meters. An additional zone of variable alteration including pervasive K-feldspar, biotite, chlorite, hematite, pyrite (up to 7%), traces of chalcopyrite with weak malachite staining and minor calcite veining was continuously chip sampled over 19.8 meters and returned 0.043% Cu and 0.049 g/t Au. The alteration weakens northward away the strong NW – SE shearing and high grade copper mineralization. The Spike shear zone appears to trend into the Zamba zone which also returned elevated copper values over a similar widths. Refer to Photo 6 and Figures 6 and 9.

# SPIKE SHOWING

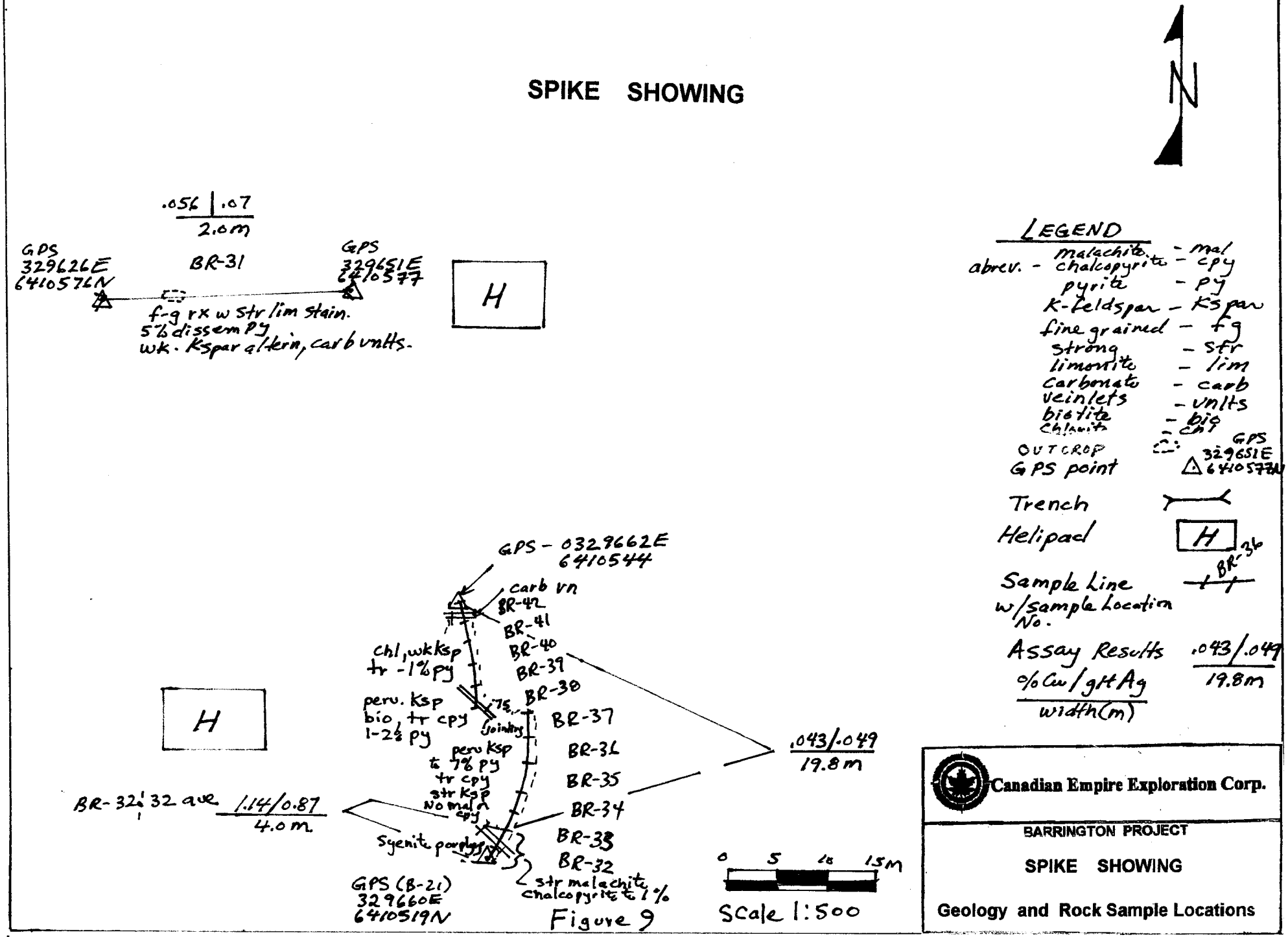



Figure 9

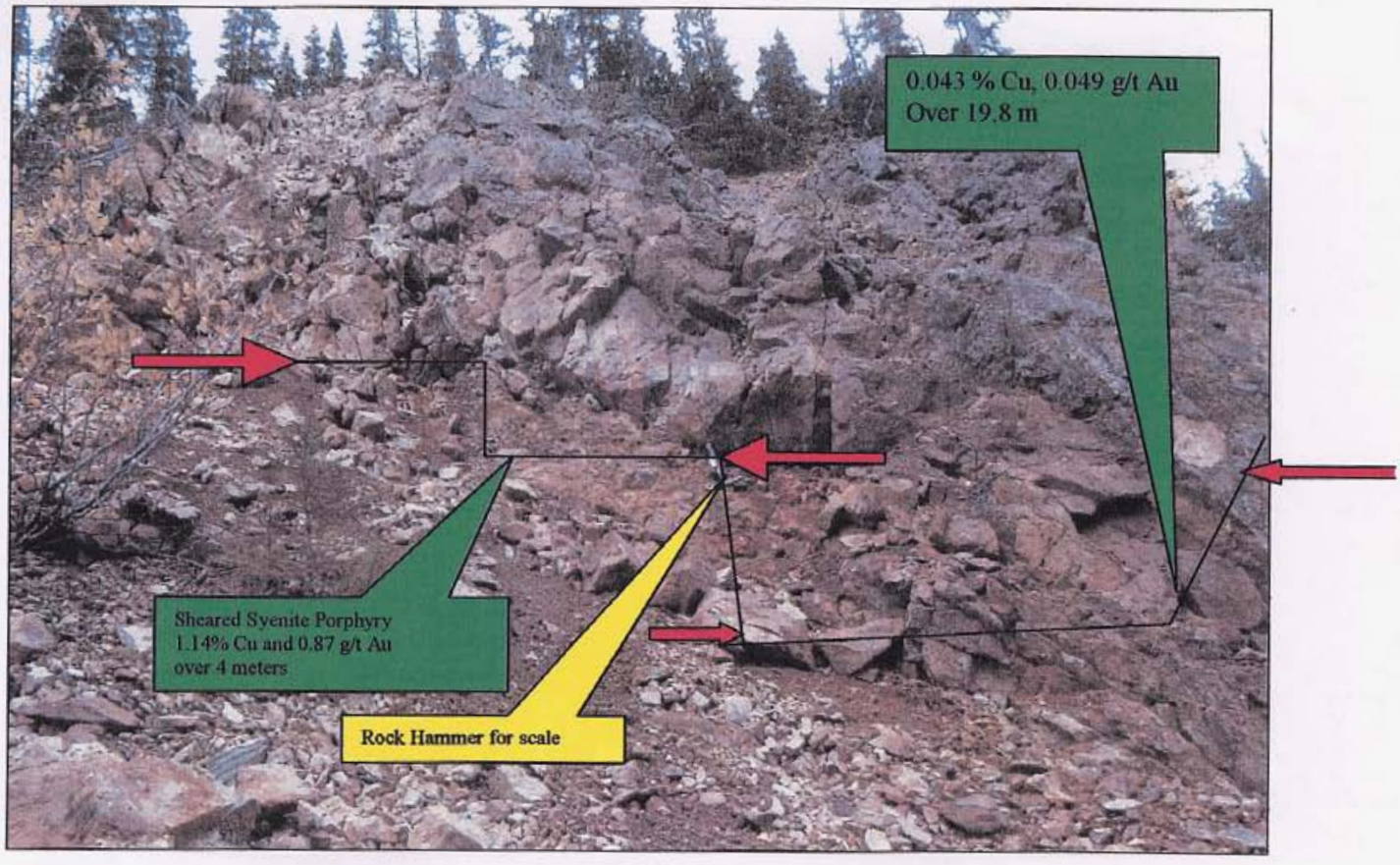



**Photo 6 SPIKE SHOWING**

### *3.4 Deposit Model*

The deposit model target type sought for at the Barrington Property is a Galore Creek style Cu-Au porphyry system. The Galore Creek deposit (Logan & Koyangi, 1989) with reported resources of 125 million tonnes grading 1.06% Cu, 0.40 g/t Au and 7.7 g/t Ag is hosted in potassically altered Stuhini andesites and breccia pipes adjacent to syenite porphyry dykes and plugs. Potassium feldspar, biotite, anhydrite and garnet are ubiquitous and locally replace host rocks completely. Mineralization is comprised of chalcopyrite with pyrite and traces of zinc-lead sulphides. Precious metal credits include native gold and silver. Drill intercepts of 60m grading 2.0% Cu and 6.9 gm/ t Au have been noted peripheral to the main zone.

# 4.0 Analysis and Assaying

A total of 55 rock samples from surface chips and grabs, were collected from the Barrington property between July 2nd and Oct. 4th, 2004. G. Norman collected 45 samples during 2 trips to the property and R. Kirkham collected 10 samples. These samples were submitted to Acme Analytical Laboratories Ltd., Vancouver, B.C. for analysis. Utilizing Acme's Group 7AR package, 23 elements were analyzed for by 1 gm sample Aqua – Regia digestion and ICP analysis and 1 A. T. fire assay with AA finish for gold and silver. A map of sample locations is located in the pocket of this report. Assay certificates are included as Appendix III.

## *4.1 Sampling Method and Chain of Custody*

A total 55 rock samples were collected from various showings on the property. The majority of the samples were collected as a continuous chip sample with a few grab samples. The samples were procured in 6 mill plastic bags packed into rice bags and flown via helicopter from the Barrington property to Dease Lake. From Dease the samples were driven by the author to Smithers were transported via ground transportation (Bandsrta Transportation Systems Ltd.) to Acme Laboratories in Vancouver for analyses.

## *4.2 Sample Preparation, Analysis and Security*

The samples were submitted to Acme Analytical Laboratories Ltd. in Vancouver, B.C. ACME is an ISO 9002 registered and accredited laboratory. All work is guaranteed to ISO 9002 standards. The samples were crushed and pulverized to -150 mesh and analyzed by Aqua Regia digestion and ICP techniques for 21 elements by fire assay and A.A. finish for Au and Ag. A more detailed flow sheet for the analytical procedures is given in Appendix II. The assay certificates are included as Appendix III.

# 5.0 2004 Exploration Expenditures

Table 5 below summarizes the expenditures of the 2004 exploration program.

| Exploration Function | 2004 Expenditure |
|---|---|
| Analysis - Assays | 1,611.68 |
| Consulting - Geological | 9,606.00 |
| Drafting - Maps & Prints | 127.16 |
| Expediting - Telephone/Computer | 48.32 |
| Equipment - Consumables | 329.99 |
| Casual Salary & Wages | 1,100.00 |
| Transportation - Airlines | 2,661.61 |
| Transportation - Helicopter | 14,711.66 |
| Transportation - Vehicle | 1,936.41 |
| Transportation - Freight | 266.76 |
| Project Management Fees | 5,118.75 |
| **TOTAL EXPENDITURES :** | **$37,518.34** |

**TABLE 2.0** 2004 Barrington Exploration Expenditures

## 6.0 Conclusions and Recommendations

The Bob claims are underlain by the Jurassic Limpoke pluton, a two-phase stock with a biotite hornblende quartz monzonite outer phase and medium grained hornblende monozodiorite inner phase. Leucocratic potassium feldspar megacrystic syenite dikes/plugs intrude the eastern and western borders of the pluton and surrounding Upper Triassic Stuhini Group sedimentary and volcanic rocks. The Stuhini volcanics are also host to the Galore Creek deposit located 85 km south of Telegraph Creek. The Galore Creek deposit hosts reported resources of 125 million tonnes grading 1.06% Cu , 0.40 g/t Au and 7.7 g/t Ag.

The 2004 exploration program concentrated on the main showing from which a total of 55 rock sample were procured from surface surface outcrops and hand trenching. Results of this work on the main showings include: the Discovery Showing with 8.0 meters averaging 0.19% Cu and 0.23 g/t Au; the Zamba Showing with 6 m averaging 0.56 % Cu and 0.86 g/t Au and the Spike Showing with 4 m averaging 1.14% Cu and 0.87 g/t Au.

Canadian Empire Exploration Corp. does not consider the above results encouraging enough to justify on- going exploration and the property is being returned to the vendor.

Dated at Vancouver, BC, this 20th day of February, 2004

George Norman, B.Sc, P. Geo

# 7.0 CERTIFICATE OF QUALIFICATIONS

**CERTIFICATE OF QUALIFICATIONS**
**George E. Norman, B.Sc. (Honours) Geology**

I, George E. Norman, of 12252 North Park Crescent in the city of Surrey, in the Province of British Columbia and of the same business address, certify that:

1. I am a consulting geologist registered with the association of Professional Engineers and Geoscientists of B. C. (#121420) and the Association of Professional Engineers, Geologists and Geophysicists of Alberta (#M23376) providing exploration services to the mining community.

2. I am a graduate of the University of Alberta with a Bachelor of Science (Honors) degree in Geology (1973).

3. I have practiced my profession continuously since 1973 and have been involved in projects and evaluations conducting exploration for precious and base metal deposits in North, Central and South America.

4. I have visited and performed work on the Barrington property over a 3-day period including July 1, Oct. 3rd & 4th of 2004.

5. I am responsible for the collection of data and its presentation in the report entitled "2004 Exploration Report on the Barrington Property".

Dated at Vancouver, BC, this 20th day of February, 2004

G. Norman

George Norman, B.Sc, P. Geo.

## 8.0 References


Angeren, P. V.
1991: Assessment Report # 20988 (1991) on the Capra Project- Goat Claims: Report written for Integrated Resources.

Ethier, D.
1994 to present: Series of summary data sheets of assessment report data including Assessment report # 535 (Kennco,1963), # 9092 (Teck, 1982), #18486, # 19439, # 20809 (1990) and # 20988 (Integrated Resources, 1991) and compilation of assay data.

Brown, D. A., Gunning, M. H., Greig, C. J.,
1996: The Stikine Project: Geology of Western Telegraph Creek Map Area, Northwestern British Columbia (NTS 104G/5/6,11W, 12, and 13), Energy and Minerals Division, Geological Survey Branch, Bulletin 95

Kirkham, R. V.
2005: Property Examination Bob Group, Limpoke Creek, Barrington River Area, Northern British Columbia (104G/13), Private report for Canadian Empire Exploration Corp. (See Appendix III of this report.

# APPENDIX I

## SAMPLE LEDGERS
## 2004

# Rock Sample Description Sheet

| Company | Sampler(s): George Norman | | | Date: | | |
|---|---|---|---|---|---|---|
| Project | Vendor: Dan Ethier | | | 2004 | | |
| Assay Number | Location GPS Cordinates | Sample Width (m) | Sample Description | Date: | Assay Au g/t | % ICP Cu |
| BR-001 | 0330033E 6409166N 1556m elev | 0-1.5m | Altered leucocratic rock ? Str fr'd @ 30/85W; 1-4cm qtz vns ksp altered, black blotches poss tenorite (Cu Ox), tr cpy | 2-Jul | 0.10 | 0.054 |
| BR-002 | 0330033E 6409166N 1556m elev | 1.5-3.0m | Str lim altered rx, strly fr'd, /lim-mal and azurite on fr's, str qtz vns-vnlts (1-4 cm), wk Mt, qtz in vns glassy, Rx poss intrus w/ wk Ksp alt'n, dissem Mt, cpy, chalcocite? | 2-Jul | 0.37 | 0.289 |
| BR-003 | 0330033E 6409166N 1556m elev | 3.0-4.5m | Str fract'd, w str lim, qtz vn/vnlts 1-3cm thick w/ py and blk Cu oxide (tennorite) ? No visible cpy | 2-Jul | 0.22 | 0.236 |
| BR-004 | 0330033E 6409166N 1556m elev | 4.5-6.0m | Str Mt, qtz vn to 2cm (360/90) w/ cpy, also dissem py and cpy adjacent to vns | 4-Jul | 0.07 | 0.127 |
| BR-005 | 0330033E 6409166N 1556m elev | 6.0-7.5 | V. str lim zone- some gouge (5 cm) w mal, azur, str fr'd rx around fault, text obscurred | 4-Jul | 0.23 | 0.162 |
| BR-006 | 0330033E 6409166N 1556m elev | 7.5-9.0m | On west side of fault zone, structure w/ 12-15cm of qtz vn w/ py, cpy, and mal, @ 360/85W, Mt on E side of qtz vn, some bx tex w/ frag w Ksp alt'n in blk matx Rx w/ Ksp alt'n, lim, py; Mt on fracts' - alt'd intrus rx leucocr | 2-Jul | 0.47 | 0.920 |
| BR-007 | 0330033E 6409166N 1556m elev | 9.0-10.5m | Altered leucocratic rock ? Kspar alter'd w/ dissem py, Mt on frct's & dissem, wk mal on str frctring. | 4-Jul | 0.04 | 0.115 |
| BR-008 | 0330030E 6409174N | OC 1.0m | Bert Showing: high grade chalcopyrite with pyrite massive sulphide in a shear zone trending 155/70 SE. Appears to weaken easterly | 2-Jul | 1.54 | 2.399 |
| BR-009 | 0330094E 6409396N 1462 elev | 1-5cm Grab | Bonanza Showing: Qtz vn 1 t0 5 cm thick w/ cpy and Ksp within area underlain by granodiorite w/ wk ksp on frct's qtz vn @ 170/ 70, area with 103 g/t Au in soils | 4-Jul | 0.94 | 0.11 |
| BR-010 | 329767 6409638 | 2.3-3.0 | Zamba Hand Trench: Alt'd syenite porphyry? | 3-Oct | 0.04 | 0.07 |
| BR-011 | 329767 6409638 | 3.0-4.0 | Zamba Hand Trench: Alt'd syenite porphyry? | 3-Oct | 0.03 | 0.052 |
| BR-012 | 329767 6409638 | 4.0-5.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ cpy blebs mal on frct | 3-Oct | 0.35 | 0.357 |
| BR-013 | 329767 6409638 | 5.0-6.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ cpy blebs, str frctg str mal on frcts @ 335/70 SW, 60/60 SE & 110/55 NE | 3-Oct | 1.06 | 0.46 |
| BR-014 | 329767 6409638 | 9.0-10.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ cpy blebs, str frctg mal on frcts | 3-Oct | 0.12 | 0.176 |
| BR-015 | 329767 6409638 | 10.0-11.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ cpy blebs, str frctg mal on frcts | 3-Oct | 0.05 | 0.08 |
| BR-016 | 329767 6409638 | 11.0-12.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ str frctg, no mal Fault Zone @ 11.4m; 45/85 SW 0.1m gouge | 3-Oct | 0.02 | 0.036 |

# Rock Sample Description Sheet

| Company | Sampler(s): George Norman | | | Date: | | |
|---|---|---|---|---|---|---|
| Project | Vendor: Dan Ethier | | | 2004 | | |
| Assay Number | Location GPS Cordinates | Sample Width (m) | Sample Description | Date: | Assay Au g/t | % ICP Cu |
| BR-017 | 329767 6409638 | 12.0-13.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp w/ , str frctg | 3-Oct | 0.030 | 0.031 |
| BR-018 | 329767 6409638 | 13.0-14.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp no mal, str frctg | 3-Oct | 0.070 | 0.024 |
| BR-019 | 329767 6409638 | 14.0-15.0 | Zamba Hand Trench: Seams of cly in str perv Ksp Alt'd rx, intensely fr'd @ 300/30 SW , no cpy observ, some blk mineral poss biot or Cu Ox | 3-Oct | 0.060 | 0.008 |
| BR-020 | 329767 6409638 | 15.0-16.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp no mal, str frctg | 3-Oct | 0.060 | 0.021 |
| BR-021 | 329767 6409638 | 16.0-17.0 | Zamba Hand Trench: Alt'd syenite porphyry? Mod to wk Ksp no mal, str frctg | 3-Oct | 0.030 | 0.042 |
| BR-022 | 329767 6409638 | 17.0-18.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp no mal, str frctg | 3-Oct | 0.040 | 0.02 |
| BR-023 | 329767 6409638 | 18.0-19.0 | Zamba Hand Trench: Alt'd syenite porphyry? Str perv Ksp no mal, str frctg | 3-Oct | 0.150 | 0.038 |
| BR-024 | 329767 6409638 | 19.0-20.0 | Zamba Hand Trench: end of trench Alt'd syenite porphyry? Wk Ksp no mal, str frctg fsp phenos with no ksp alt'n | 3-Oct | 0.020 | 0.022 |
| BR-025 | 329810 6409597 | 1.0 0 to 1.0 | Easterly up creek from Zamba - N side of creek Mod - str ksp alt'd, str lim w/ wk mal, dissem py str frct'd @ 120/70 NE (Measured from creek BR- 25 to 29) | 3-Oct | 0.040 | 0.091 |
| BR-026 | 329811 6409594 | 1.10 3.4 to 4.5 | Old Bob 712 sample; Ksp alt'd rx, w/ wk mal on fr, wk blebs of cpy w/ tr of py (Measured from creek) | 3-Oct | 0.080 | 0.209 |
| BR-027 | 329811 6409594 | 0.60 8.9 - 9.5 | Ksp alt'd rx , w/ wk mal on fr, wk blebs of cpy w/ tr tr of py (Measured from creek) | 3-Oct | 0.090 | 0.252 |
| BR-028 | 329807 6409586 | 1.30 12.3-13.6 | Fsp porphyry w/ wk calc vnlts, dissem py & tr cpy, wk ksp alter'n, wk cly alt'n (Measured from creek) | 3-Oct | 0.020 | 0.038 |
| BR-029 | 329807 6409584 | 1.60 15.4-17.0 | Wk fsp porphyry text, mod - str perv ksp, fsp to cly, mnr calc vnlts, tr py (Measured from creek) | 3-Oct | 0.090 | 0.181 |
| BR-030 | 329811 6409606 | 2.0m | Rubbly talus fromm 13 to 15m north from BR-025 wk - mod ksp alt'd rx some tex visible, no mal, m-str lim | 3-Oct | 0.030 | 0.025 |
| BR-031 | 329626 6410576 | 2.0 6.0-8.0 | Spike Area: Subcrop found in tr bottom str lim f g rx no tex obsv, dissem py, carb vnlts, wk ksp alt'n (Measured from SW end of Trench 0 to 32.5m @ 240 Az | 4-Oct | 0.070 | 0.056 |
| BR-032 | 329658 6410521 | 1.3 - 3.3 2.0 | Spike Showing: Mod ksp alt'd w/ str mal and 1% cpy, text suggests granodorite but poss syenite porphyry sample relativ hard rx | 4-Oct | 0.79 | 1.713 |

# Rock Sample Description Sheet

| Company | | Sampler(s): George Norman | | Date: | | |
|---|---|---|---|---|---|---|
| Project | | Vendor: Dan Ethier | | 2004 | | |
| Assay Number | Location GPS Cordinates | Sample Width (m) | Sample Description | Date: | Assay Au g/t | % ICP Cu |
| BR-033 | 329658<br>6410521 | 3.3-5.3<br>2.0 | 3.3 -4.0m ksp alt zone no sulp<br>4.0-5.3m v high lim zone w/ pods & blotches of cpy w/ mal<br>Str shear lineament @ 4.0m - 310/vert, 5.3m - 294/68 N<br>old sample - 877854 (6/1990) | 4-Oct | 0.94 | 0.572 |
| BR-034 | 329668<br>6410526 | 5.3- 7.3<br>2.0 | Ksp alt'd rx no visible mal/cpy, calc vn @ 290/80 N, 1.0 cm | 4-Oct | 0.08 | 0.075 |
| BR-035 | 329668<br>6410526 | 7.3- 9.3<br>2.0 | Hem alt'd w/ wk - mod ksp, carb vnlt @ 295/85 N;<br>Str frct's @ 240/66 SE | 4-Oct | 0.07 | 0.06 |
| BR-036 | 329668<br>6410526 | 9.3-11.3<br>2.0 | Pesvasive Kspar alt'n w lim no mal, up to 7% dissem py<br>poss tr of cpy | 4-Oct | 0.04 | 0.032 |
| BR-037 | t end of sample<br>329667<br>6410534 | 11.3-13.6<br>2.3 | Intense pervsive Kspar alt'd rx, tr cpy and mal<br>Picture taken; Old sample 02424; 7/90 | 4-Oct | 0.09 | 0.063 |
| BR-038 | 329668<br>6410516 | 0-2.0<br>2.0 | Up slope ~ 5.0 from previous samples<br>perv Kspar alt'd rx w/ biot - py; str fracts ( 316/75 NE),<br>tr cpy on frct's | 4-Oct | 0.01 | 0.028 |
| BR-039 | 329668<br>6410516 | 2.0-3.0<br>1.0 | Ksp alter'd w/ hem on frcts; w blotches of biot ?, tr py | 4-Oct | 0.04 | 0.074 |
| BR-040 | 329668<br>6410516 | 5.0-7.0 | Chl rx w/ wk kspar alter'n; tr to 1% py<br>Poss alt'd volc | 4-Oct | 0.02 | 0.009 |
| BR-041 | 329668<br>6410516 | 7.0-9.0<br>2.0 | Fine gr'd rx (poss volc), w/ chl and wk Kspar alt'n, tr cpy w/<br>py; frcts @ 280/90 | 4-Oct | 0.02 | 0.013 |
| BR-042 | 329662<br>6410544<br>end of sample | 9.5-11.5<br>2.0 | 9.5 - 10.7m Carb alt'd rx<br>10.7-11.2m Wht calc vn @ 270/90 | 4-Oct | 0.04 | 0.033 |
| | | | | | | |
| BR-043 | 329661<br>6410518 | Blder | Well mded crk blder, 5m down from Spike Showing BR-33<br>V smooth, v str lim, pyritic, very hard rx<br>Just up from the creek | 4-Oct | 0.03 | 0.145 |
| BR-044 | 329683<br>6410534 | Grab<br>over 1.0m | Extremely Kspar alter'd rx, Zone at 248 AZ w/ bio vnlts | 4-Oct | 0.03 | 0.022 |
| BR-045 | 329677<br>6410534 | Grab<br>over 2.5m | Poss syenite fsp porphyry, mod alt'd Kspar on fr's & flooding<br>tr py, alt'n w/ kspar, chl, hem and < 1% py,<br>near 10cm carb vn @ 270/90 | 4-Oct | 0.03 | 0.009 |

# APPENDIX II

## CERTIFICATES OF ASSAY

## ACME ANALYTICAL LABORATORIES LTD.

## 2004

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716

# ASSAY CERTIFICATE

**Canadian Empire Exploration Ltd.** File # A403239

1205 - 675 W. Hastings St, Vancouver BC V6B 1N2 Submitted by: George Norman

| SAMPLE# | Mo % | Cu % | Pb % | Zn % | Ag** gm/mt | Ni % | Co % | Mn % | Fe % | As % | Sr % | Cd % | Sb % | Bi % | Ca % | P % | Cr % | Mg % | Al % | Na % | K % | W % | Hg % | Au** gm/mt | Sample kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SI | <.001 | .005 | <.01 | <.01 | <2 | .001 | <.001 | <.01 | .05 | <.01 | <.001 | <.001 | <.001 | <.01 | .27 | <.001 | <.001 | <.01 | .02 | .84 | .02 | <.001 | <.001 | <.01 | - |
| BR-01 | <.001 | .054 | <.01 | <.01 | 3 | .001 | <.001 | .03 | 1.11 | <.01 | .007 | <.001 | .001 | <.01 | 1.38 | .043 | .001 | .31 | .87 | .28 | .49 | .006 | <.001 | .10 | 3.93 |
| BR-02 | <.001 | .289 | <.01 | .01 | 9 | .002 | .003 | .07 | 9.82 | <.01 | .011 | <.001 | <.001 | <.01 | 1.85 | .140 | <.001 | .76 | 1.92 | .28 | .43 | .006 | <.001 | .37 | 4.52 |
| BR-03 | .001 | .256 | <.01 | <.01 | 15 | .003 | .002 | .04 | 7.27 | .01 | .004 | <.001 | <.001 | <.01 | .76 | .057 | <.001 | .35 | 1.33 | .24 | .39 | .002 | <.001 | .22 | 4.78 |
| BR-04 | <.001 | .127 | <.01 | <.01 | 2 | .006 | .001 | .05 | 12.99 | <.01 | .009 | <.001 | <.001 | <.01 | .78 | .136 | <.001 | .40 | 1.32 | .33 | .48 | .001 | <.001 | .07 | 5.31 |
| BR-05 | .071 | .162 | <.01 | <.01 | 11 | .005 | .002 | .08 | 18.55 | .01 | .004 | <.001 | .007 | <.01 | .84 | .274 | <.001 | .47 | 1.70 | .08 | .20 | .002 | <.001 | .23 | 4.19 |
| BR-06 | .002 | .192 | <.01 | .01 | 15 | .002 | .002 | .06 | 14.88 | <.01 | .006 | <.001 | .002 | <.01 | 1.19 | .098 | .001 | .48 | 1.47 | .22 | .22 | .005 | <.001 | .47 | 4.52 |
| BR-07 | <.001 | .115 | <.01 | <.01 | 3 | .004 | .002 | .05 | 5.48 | <.01 | .009 | <.001 | .001 | <.01 | 1.29 | .056 | <.001 | .47 | 1.51 | .35 | .35 | .002 | <.001 | .04 | 3.40 |
| BR-08 | .019 | 2.399 | <.01 | .02 | 54 | .006 | .001 | .01 | 12.20 | <.01 | .005 | <.001 | .002 | <.01 | .22 | .055 | .005 | .18 | 1.58 | .37 | .40 | .001 | .001 | 1.54 | 2.54 |
| BR-09 | <.001 | .113 | <.01 | <.01 | 8 | .001 | .001 | .03 | 2.70 | <.01 | .029 | <.001 | .001 | <.01 | 1.63 | .150 | .001 | .67 | 1.63 | .28 | .43 | .020 | <.001 | .94 | .75 |
| STANDARD R-2a/AU-1 | .048 | .565 | 1.55 | 4.31 | 159 | .373 | .046 | .21 | 22.89 | .22 | .171 | .029 | .126 | <.01 | 2.39 | .070 | .071 | 1.67 | 1.34 | .23 | .59 | .061 | .173 | 3.41 | - |

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK R150 60C

Data 1 FA ____ DATE RECEIVED: JUL 6 2004 DATE REPORT MAILED: July 16/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# ASSAY CERTIFICATE

Canadian Empire Exploration Ltd. PROJECT Barrington File # A406118 Page 1

1205 - 675 W. Hastings St, Vancouver BC V6B 1N2 Submitted by: George Norman

| SAMPLE# | Mo % | Cu % | Pb % | Zn % | Ag** gm/mt | Ni % | Co % | Mn % | Fe % | As % | Sr % | Cd % | Sb % | Bi % | Ca % | P % | Cr % | Mg % | Al % | Na % | K % | W % | Hg % | Au** gm/mt | Sample kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SI | <.001 | <.001 | <.01 | <.01 | <2 | <.001 | <.001 | <.01 | .02 | <.01 | <.001 | <.001 | <.001 | <.01 | .12 | .001 | <.001 | <.01 | <.01 | .44 | <.01 | <.001 | <.001 | <.01 | - |
| BR-10 | <.001 | .070 | <.01 | <.01 | <2 | <.001 | .002 | .04 | 2.82 | <.01 | .010 | <.001 | <.001 | <.01 | 1.46 | .048 | <.001 | .38 | 1.21 | .08 | .20 | <.001 | <.001 | .04 | 4.01 |
| BR-11 | <.001 | .052 | <.01 | <.01 | <2 | <.001 | .002 | .04 | 2.76 | <.01 | .010 | <.001 | <.001 | <.01 | 1.78 | .046 | <.001 | .31 | 1.18 | .07 | .20 | <.001 | <.001 | .03 | 4.51 |
| BR-12 | <.001 | .357 | <.01 | <.01 | 5 | <.001 | .002 | .03 | 2.35 | <.01 | .007 | <.001 | <.001 | <.01 | 1.13 | .034 | <.001 | .34 | .93 | .08 | .13 | <.001 | <.001 | .35 | 4.72 |
| BR-13 | <.001 | .460 | <.01 | <.01 | 4 | <.001 | .002 | .02 | 2.14 | <.01 | .003 | <.001 | <.001 | <.01 | .48 | .034 | <.001 | .21 | .68 | .09 | .11 | <.001 | <.001 | 1.06 | 4.38 |
| BR-14 | <.001 | .176 | <.01 | <.01 | <2 | <.001 | .001 | .04 | 2.08 | <.01 | .005 | <.001 | <.001 | <.01 | 1.08 | .046 | <.001 | .47 | .84 | .09 | .16 | <.001 | <.001 | .12 | 7.30 |
| BR-15 | <.001 | .080 | <.01 | <.01 | <2 | <.001 | .001 | .05 | 2.36 | <.01 | .006 | <.001 | .001 | <.01 | 1.01 | .040 | <.001 | .47 | .90 | .09 | .18 | <.001 | <.001 | .05 | 4.85 |
| BR-16 | <.001 | .036 | <.01 | <.01 | <2 | <.001 | .001 | .04 | 2.26 | <.01 | .007 | <.001 | <.001 | <.01 | .66 | .045 | <.001 | .31 | .91 | .05 | .22 | <.001 | <.001 | .02 | 3.62 |
| BR-17 | <.001 | .031 | <.01 | <.01 | <2 | <.001 | .002 | .04 | 2.54 | <.01 | .005 | <.001 | <.001 | <.01 | .58 | .048 | <.001 | .31 | .82 | .04 | .20 | <.001 | <.001 | .03 | 4.51 |
| BR-18 | <.001 | .024 | <.01 | <.01 | <2 | <.001 | .001 | .06 | 2.28 | <.01 | .006 | <.001 | <.001 | <.01 | 1.01 | .038 | <.001 | .31 | .78 | .05 | .19 | <.001 | <.001 | .07 | 3.90 |
| BR-19 | <.001 | .008 | <.01 | <.01 | <2 | <.001 | <.001 | .04 | 2.06 | <.01 | .004 | <.001 | <.001 | <.01 | .69 | .044 | <.001 | .22 | .71 | .05 | .17 | <.001 | <.001 | .06 | 4.94 |
| BR-20 | <.001 | .021 | <.01 | <.01 | <2 | <.001 | .001 | .05 | 2.60 | <.01 | .007 | <.001 | <.001 | <.01 | .51 | .045 | <.001 | .33 | .83 | .07 | .19 | <.001 | <.001 | .06 | 5.91 |
| BR-21 | <.001 | .042 | <.01 | <.01 | <2 | <.001 | .001 | .05 | 2.63 | <.01 | .012 | <.001 | <.001 | <.01 | .72 | .046 | <.001 | .26 | .84 | .05 | .23 | <.001 | <.001 | .03 | 4.45 |
| BR-22 | <.001 | .020 | <.01 | <.01 | <2 | <.001 | <.001 | .05 | 2.51 | <.01 | .015 | <.001 | <.001 | <.01 | 1.04 | .045 | <.001 | .31 | .90 | .08 | .26 | <.001 | <.001 | .04 | 3.32 |
| BR-23 | <.001 | .038 | <.01 | <.01 | <2 | <.001 | .001 | .04 | 2.42 | <.01 | .010 | <.001 | <.001 | <.01 | .57 | .037 | <.001 | .23 | .79 | .04 | .24 | <.001 | <.001 | .15 | 2.72 |
| BR-24 | <.001 | .022 | <.01 | <.01 | <2 | <.001 | <.001 | .05 | 2.36 | <.01 | .011 | <.001 | <.001 | <.01 | .95 | .049 | <.001 | .29 | .93 | .07 | .23 | <.001 | <.001 | .02 | 4.18 |
| BR-25 | .001 | .091 | <.01 | <.01 | <2 | <.001 | <.001 | .03 | 1.38 | <.01 | .011 | <.001 | <.001 | <.01 | 2.17 | .026 | <.001 | .01 | .31 | .01 | .28 | <.001 | <.001 | .04 | 3.10 |
| BR-26 | <.001 | .209 | <.01 | <.01 | <2 | <.001 | <.001 | .03 | 1.34 | <.01 | .010 | <.001 | <.001 | <.01 | 2.04 | .045 | <.001 | .05 | .35 | .01 | .30 | <.001 | <.001 | .08 | 3.19 |
| BR-27 | <.001 | .252 | <.01 | <.01 | <2 | <.001 | <.001 | .04 | 1.70 | <.01 | .011 | <.001 | <.001 | <.01 | 2.60 | .034 | <.001 | .07 | .37 | .03 | .33 | <.001 | <.001 | .09 | 2.21 |
| BR-28 | <.001 | .038 | <.01 | <.01 | <2 | <.001 | .001 | .08 | 2.83 | <.01 | .013 | <.001 | <.001 | <.01 | 4.28 | .132 | <.001 | .12 | .53 | .03 | .30 | <.001 | <.001 | .02 | 2.51 |
| RE BR-28 | <.001 | .038 | <.01 | <.01 | <2 | <.001 | .001 | .08 | 2.84 | <.01 | .013 | <.001 | <.001 | <.01 | 4.31 | .132 | <.001 | .12 | .51 | .03 | .28 | <.001 | <.001 | .02 | - |
| BR-29 | <.001 | .181 | <.01 | <.01 | <2 | <.001 | .001 | .08 | 3.13 | <.01 | .011 | <.001 | <.001 | <.01 | 4.34 | .133 | <.001 | .12 | .48 | .04 | .26 | <.001 | <.001 | .09 | 2.95 |
| BR-30 | <.001 | .025 | <.01 | <.01 | <2 | <.001 | .001 | .08 | 2.76 | <.01 | .007 | <.001 | <.001 | <.01 | .59 | .079 | <.001 | .07 | .63 | .04 | .38 | <.001 | <.001 | .03 | 3.12 |
| BR-31 | .001 | .056 | <.01 | <.01 | <2 | <.001 | <.001 | .10 | 2.70 | <.01 | .004 | <.001 | <.001 | <.01 | .40 | .103 | <.001 | .09 | .74 | .05 | .36 | <.001 | <.001 | .07 | 6.18 |
| BR-32 | .002 | 1.713 | <.01 | <.01 | 17 | .001 | .001 | .01 | 4.79 | <.01 | .007 | <.001 | <.001 | <.01 | 3.38 | .083 | <.001 | <.01 | .40 | .05 | .24 | <.001 | <.001 | .79 | 4.20 |
| BR-33 | .014 | .572 | <.01 | <.01 | 25 | <.001 | .001 | .01 | 5.67 | <.01 | .007 | <.001 | <.001 | <.01 | 1.42 | .109 | <.001 | <.01 | .38 | .05 | .26 | <.001 | <.001 | .94 | 5.15 |
| BR-34 | .001 | .075 | <.01 | <.01 | <2 | <.001 | <.001 | .05 | 2.95 | <.01 | .020 | <.001 | <.001 | <.01 | 3.04 | .081 | <.001 | .10 | .48 | .03 | .33 | <.001 | <.001 | .08 | 3.36 |
| BR-35 | <.001 | .060 | <.01 | <.01 | <2 | <.001 | .001 | .06 | 3.68 | <.01 | .017 | <.001 | <.001 | <.01 | 3.31 | .071 | <.001 | .04 | .38 | .01 | .25 | <.001 | <.001 | .07 | 4.35 |
| BR-36 | <.001 | .032 | <.01 | <.01 | <2 | <.001 | <.001 | .04 | 2.34 | <.01 | .014 | <.001 | <.001 | <.01 | 2.01 | .049 | <.001 | .08 | .54 | .04 | .40 | <.001 | <.001 | .04 | 4.26 |
| BR-37 | <.001 | .063 | <.01 | <.01 | <2 | <.001 | <.001 | .05 | 2.64 | <.01 | .015 | <.001 | <.001 | <.01 | 2.51 | .075 | <.001 | .12 | .59 | .04 | .36 | <.001 | <.001 | .09 | 4.70 |
| BR-38 | <.001 | .028 | <.01 | <.01 | <2 | <.001 | <.001 | .04 | 3.27 | <.01 | .013 | <.001 | <.001 | <.01 | 2.91 | .128 | <.001 | .15 | .57 | .03 | .33 | <.001 | <.001 | .01 | 3.65 |
| BR-39 | <.001 | .074 | <.01 | <.01 | <2 | .001 | <.001 | .11 | 2.46 | <.01 | .015 | <.001 | <.001 | <.01 | 2.52 | .077 | <.001 | .21 | .73 | .03 | .28 | <.001 | <.001 | .04 | 2.40 |
| BR-40 | <.001 | .009 | <.01 | <.01 | <2 | <.001 | .001 | .12 | 3.35 | <.01 | .018 | <.001 | <.001 | <.01 | 4.18 | .119 | <.001 | .62 | 1.37 | .06 | .45 | <.001 | <.001 | .02 | 3.60 |
| BR-41 | <.001 | .013 | <.01 | <.01 | <2 | <.001 | .001 | .12 | 3.20 | <.01 | .023 | <.001 | <.001 | <.01 | 3.93 | .132 | <.001 | .67 | 1.38 | .08 | .36 | <.001 | <.001 | .02 | 2.18 |
| BR-42 | <.001 | .033 | <.01 | <.01 | <2 | <.001 | <.001 | .12 | 2.44 | <.01 | .025 | <.001 | <.001 | <.01 | 9.71 | .063 | <.001 | .22 | .47 | .04 | .22 | <.001 | <.001 | .04 | 3.01 |
| BR-43 | .002 | .145 | <.01 | <.01 | <2 | .008 | .004 | .02 | 5.22 | <.01 | .005 | <.001 | <.001 | <.01 | 1.92 | .491 | .006 | .13 | .58 | .07 | .04 | .014 | <.001 | .03 | 1.31 |
| STANDARD R-2a/AU-1 | .048 | .559 | 1.46 | 4.29 | 161 | .343 | .044 | .20 | 22.55 | .23 | .162 | .028 | .126 | <.01 | 2.33 | .084 | .070 | 1.58 | 1.34 | .19 | .51 | .068 | .173 | 3.34 | - |

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA

DATE RECEIVED: OCT 7 2004 DATE REPORT MAILED: Oct 22/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

| SAMPLE# | Mo % | Cu % | Pb % | Zn % | Ag** gm/mt | Ni % | Co % | Mn % | Fe % | As % | Sr % | Cd % | Sb % | Bi % | Ca % | P % | Cr % | Mg % | Al % | Na % | K % | W % | Hg % | Au** gm/mt | Sample kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BR-44 | <.001 | .022 | <.01 | <.01 | <2 | .001 | <.001 | .07 | 1.37 | <.01 | .020 | <.001 | <.001 | <.01 | 3.67 | .066 | <.001 | .13 | .62 | .07 | .27 | <.001 | .001 | .03 | 1.40 |
| BR-45 | <.001 | .009 | <.01 | <.01 | <2 | <.001 | .001 | .12 | 3.29 | <.01 | .025 | <.001 | .001 | <.01 | 3.54 | .128 | <.001 | .83 | 1.50 | .07 | .29 | <.001 | <.001 | .03 | 2.51 |
| STANDARD R-2a/AU-1 | .049 | .564 | 1.53 | 4.26 | 161 | .378 | .046 | .20 | 22.71 | .24 | .169 | .029 | .129 | <.01 | 2.39 | .086 | .074 | 1.65 | 1.36 | .19 | .51 | .069 | .182 | 3.45 | - |

Sample type: ROCK R150 60C.



Data FA

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# ASSAY CERTIFICATE

**Canadian Empire Exploration Ltd.** File # A405419

1205 - 675 W. Hastings St, Vancouver BC V6B 1N2 Submitted by: George Norman

| SAMPLE# | Mo % | Cu % | Pb % | Zn % | Ag** gm/mt | Ni % | Co % | Mn % | Fe % | As % | Sr % | Cd % | Sb % | Bi % | Ca % | P % | Cr % | Mg % | Al % | Na % | K % | W % | Hg % | Au** gm/mt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SI | <.001 | <.001 | <.01 | <.01 | <2 | <.001 | <.001 | <.01 | .04 | <.01 | <.001 | <.001 | <.001 | <.01 | .11 | <.001 | <.001 | <.01 | <.01 | .41 | .02 | <.001 | <.001 | <.01 |
| KQ-04-23A | <.001 | .015 | <.01 | <.01 | <2 | <.001 | .001 | .04 | 3.21 | <.01 | .022 | <.001 | <.001 | <.01 | 1.74 | .110 | .001 | .24 | .98 | .14 | .16 | <.001 | <.001 | .02 |
| KQ-04-23B | <.001 | .017 | <.01 | <.01 | <2 | <.001 | .001 | .03 | 3.01 | <.01 | .025 | <.001 | <.001 | <.01 | 1.04 | .056 | <.001 | .19 | .79 | .09 | .19 | <.001 | <.001 | .04 |
| KQ-04-23C | <.001 | .015 | <.01 | <.01 | <2 | <.001 | .001 | .04 | 2.22 | <.01 | .036 | <.001 | <.001 | <.01 | 2.60 | .060 | <.001 | .26 | .81 | .06 | .25 | <.001 | <.001 | .02 |
| KQ-04-24 | <.001 | .074 | <.01 | <.01 | <2 | .002 | .002 | .14 | 5.75 | <.01 | .021 | <.001 | <.001 | <.01 | 5.98 | .236 | .002 | .52 | .67 | <.01 | .33 | <.001 | <.001 | .04 |
| KQ-04-25A | <.001 | .358 | <.01 | <.01 | 3 | <.001 | .002 | .03 | 2.54 | <.01 | .003 | <.001 | <.001 | <.01 | .29 | .036 | <.001 | .34 | .85 | .06 | .12 | <.001 | <.001 | .61 |
| KQ-04-25B | <.001 | .863 | <.01 | <.01 | 9 | .001 | .003 | .03 | 3.74 | <.01 | .007 | <.001 | <.001 | <.01 | .46 | .050 | <.001 | .36 | .91 | .07 | .14 | <.001 | <.001 | 2.25 |
| KQ-04-25C | <.001 | .501 | <.01 | <.01 | 4 | <.001 | .001 | .03 | 2.14 | <.01 | .008 | <.001 | <.001 | <.01 | .83 | .048 | <.001 | .31 | .90 | .07 | .15 | <.001 | <.001 | 1.17 |
| KQ-04-25D | <.001 | .579 | <.01 | <.01 | 6 | <.001 | .002 | .03 | 2.26 | <.01 | .003 | <.001 | <.001 | <.01 | .54 | .053 | <.001 | .41 | .71 | .07 | .14 | <.001 | <.001 | .64 |
| KQ-04-25E | <.001 | .717 | <.01 | <.01 | 6 | .001 | .002 | .03 | 2.41 | <.01 | .004 | <.001 | <.001 | <.01 | .78 | .044 | <.001 | .50 | .80 | .08 | .13 | <.001 | <.001 | .48 |
| KQ-04-26A | .129 | .674 | <.01 | <.01 | 27 | .001 | .003 | .04 | 3.68 | <.01 | .006 | <.001 | <.001 | <.01 | 1.36 | .048 | <.001 | .34 | .58 | <.01 | .09 | .026 | <.001 | .28 |
| RE KQ-04-26A | .129 | .675 | <.01 | <.01 | 27 | .001 | .003 | .04 | 3.65 | <.01 | .006 | <.001 | <.001 | <.01 | 1.35 | .051 | <.001 | .33 | .58 | .01 | .08 | .026 | <.001 | .27 |
| STANDARD R-2a/AU-1 | .050 | .557 | 1.46 | 4.25 | 157 | .369 | .043 | .20 | 22.31 | .22 | .169 | .028 | .122 | <.01 | 2.31 | .080 | .069 | 1.63 | 1.26 | .17 | .48 | .073 | .171 | 3.34 |

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data V FA ____ **DATE RECEIVED:** SEP 15 2004 **DATE REPORT MAILED:** Sept 27/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

# APPENDIX III

R. V. KIRKHAM

FIELD EXAMINATION REPORT

SEPT. 19, 2004

# Property Examination Bob Group, Limpoke Creek, Barrington River Area, Northern British Columbia (104G/13W)

By R. V. Kirkham

A private report for Canadian Empire Exploration Corp.

September 19, 2004

## Introduction

The author was retained to do a quick reconnaissance examination of the Bob group of claims for Canadian Empire Exploration Corp. This brief report is an account of this claim examination. The author traveled via Smithers to Dease Lake on September 10th, examined the property with D. Ethier on the 11th and 12th and returned to Vancouver on the 13th. We flew by helicopter to the property from Dease Lake, B. C. Because of mountain fog we could not land on the showings on the 11th but examined stream boulders near the confluence of Pokey and Limpoke creeks (Fig. 1; specimens KQ-04-21A&B). On the 12th we were successful on landing on both the upper and lower helipads and were able the make rapid examinations of the Discovery, 180 STN, and Zamba showings (Fig. 1, 2, 3, & 4; specimens and assay sample KQ-04-22, 23A, B, & C; 24; 25A,B.C,D, & E; and 26A, B, & C). New wet snow was present above about 1370 m. Most of the showings are on the upper slope east of Pokey Creek. The lower slopes are thick accumulations of vegetation-covered talus and other valley fill with little or no outcrop.

## Showing Descriptions

**Discovery:** A spaced steeply-dipping, approximately north-south-trending sheeted quartz vein system in an intensely potassically(?) altered, fine-grained rock. The original rock type is uncertain. The quartz veins with scattered pyrite and chalcopyrite range from 1 to about 30 mm in width (Fig. 7) and are about 30 to 100 cm apart. About 0.5 to 1 % pyrite and subordinate chalcopyrite occur in the quartz veinlets and also disseminated in the host rock. According to D. Ethier, this sheeted vein system, with low copper and gold values, could be a few hundred metres wide. The writer's initial impression is that this vein system is sufficiently intense that it should have extended across the hillside to the north. The fact that it does not suggests to the writer that it has been cutoff by one or more approximately east-west-trending faults.

**180STN:** The writer examined the 180 STN for about 15 m at the base of a steep outcrop in the Bonanza Gulch dry stream valley (Fig. 8) and took three spaced chip samples for analyses. The host rock comprises pale pink altered, coarse-grained, trachytoid, megacrystic syenite. The phenocryst foliation dips gently to moderately to the east. The altered matrix contains about 1% disseminated pyrite with perhaps a trace of chalcopyrite. This rock is very similar to many of the boulders of trachytoid, megacrystic syenite examined near the confluence of Pokey and Limpoke creeks (KQ-04-21A & B). A few scattered steep, north-south-trending quartz veinlets occur in the area.

**Zamba:** The area comprises rusty, muddy talus on the east side of the Bob North Gully dry stream valley and the showing could only be exposed by hand digging a trench into the top of weathered crumbly subcrop (Fig. 6, 9, & 10). The host rock is intensely K-feldspar (+/- biotite?) altered, pink megacrystic syenite porphyry with blebby disseminated chalcopyrite (KQ-04-25).

## Conclusions

The Bob showings south of Limpoke Creek are of a porphyry Au-Cu type. However, without drilling, systematic exploration could be very difficult with few or no outcrops in key areas and extensive, thick, vegetation-covered, transported talus and other valley fill cover.

The Zamba showing is the best one that the writer examined and comprises intensely potassically-altered syenite porphyry with copper and gold. More work is justified in the Zamba area.

## Recommendations

1) If more work is to be done this year, several more hand trenches should be dug in the vicinity of the Zamba showing in an attempt to determine the extent, orientation, and grades of gold and copper in the area. A geologist should be on site at the time of trenching for mapping and sampling (shallow trenches in the area tend to cave while being dug).

2) More helipads should be constructed near work sites.

3) With favourable results and weather permitting, one or more diamond drillholes could be considered for the Zamba area.

4) The Spike area (Fig. 5) should be examined in future trips and, if justified, trenches should be dug there similar to the Zamba area. For such work a good helipad will have to constructed in the Spike area.

## Assay sample descriptions

**KQ-04-23A-** 4 scattered representative chips over 1.5 m, 180 STN base of rock face in the Bonanza Gulch (Fig. 8) dry stream valley; pale pink pyritic (about 1 %) altered trachytoid, megacrystic syenite porphyry

**23B-** base of outcrop 3 m south of 23A; 2 representative chips 0.5 m apart; same rock type and alteration as 23A

**23C-** base of outcrop 7 m south of 23B; 3 representative chips over 2 m; same rock type and alteration as 23A

**KQ-04-24-** about 70-80 m south of 23C at about the same elevation on the south side of the Bob North Gully dry stream valley; about a 3 by 4 m crumbly, weathered outcrop about 50-60 m east of the Zamba showing; same rock type as 23A

**KQ-04-25A- Zamba showing**-hand dug trench (Fig. 9), 1 m continuous chip sample of crumbly deeply weathered top of subcrop about the same location as chip sample 98 Bob 917 about 4 m south of the dry stream in an area of rusty, muddy talus; bright pink-red, intensely K-feldspar altered megacrystic syenite porphyry with blebby disseminated chalcopyrite

**25B-** continuous 1 m chip sample same as 25A; about same location as 98 Bob 918 chip sample

**25C-** continuous 1 m chip sample same as 25A; about same location as 98 Bob 919 chip sample

**25D-** continuous 1 m chip sample same as 25A; about same location as 98 Bob 220 chip sample

**25E-** continuous 1 m chip sample same as 25A; about the same location as 98 Bob 221 chip sample

**KQ-04-26A-** talus float grab sample at lower helipad of typical 2-3 cm-wide laminated quartz vein with scattered pyrite and chalcopyrite (similar to veins to the east up the hill in the Discovery zone)

**Appendix I- Chemical Analyses**

**Figures**

## Figure captions

**Figure 5.** Spike showing west of Pokey Creek; Limpoke Creek in the background.

**Figure 6.** Bob hill viewed to the east; Bob North Gully on the right side of the photograph; Zamba trench faint dark line in rusty, muddy talus in Bob North Gully; Discovery showing and upper helipad above snowline south of upper Bob North Gully; Bonanza Gulch centre and left side of photography with Bert, Bonanza, and 180 STN localities in rusty area just below snowline.

**Figure 7.** Discovery showing, typical steeply-dipping sheeted quartz vein with scattered pyrite and lesser chalcopyrite.

**Figure 8.** 180 STN view north of D. Ethier at base of outcrop at KQ-04-23A sample site.

**Figure 9.** Zamba 2004 hand dug trench with D. Ethier.

**Figure 10.** Bob North Gully below Zamba trench.

# ZAMBA

New showing 1998
7meters wide, open all ways.
Chalcopyrite, malachite, limonite,
in Kspar altered syenite.
No quartz. Area within carbonate
alteration zone.
95% overburden cover ~ 1 m deep.

BOB NORTH GULLEY

Soil Line 125 meters

25 meters

702 ⊗ 45, 1277

703 ⊗ 85, 1548

704 ⊗ 300, 1454

705 ⊗ 200, 1532

710 .06g, 1504

709 .06g, 707

706 85, 968

707 870, 1370

711 0.12g, 542

712 19, 482

708 ⊗ 450, 2252

915 917 921

KQ-04-25A

25E
1m-wide
continuous
chip samples
over 5m
of top of outcrop
in hand dug trench

Cu% Au
0.6, 0.96
5m.

N

| KQ-04-25A | %Cu | Au g/t |
|---|---|---|
| A | .358 | 2.25 |
| B | .863 | 1.17 |
| C | .501 | 0.64 |
| D | .579 | 0.48 |
| E | .717 | 0.88 |

KQ-04-24
outcrop

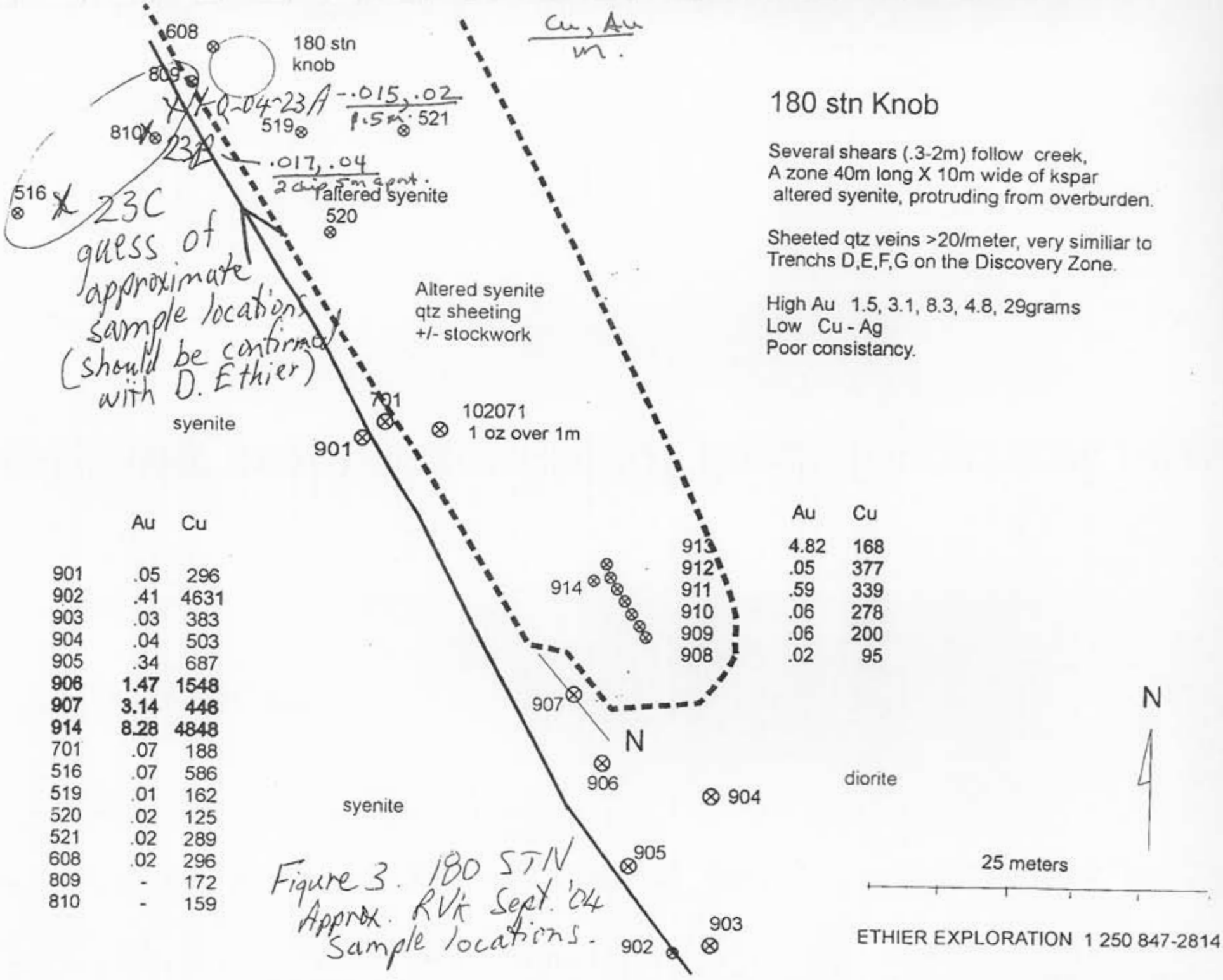
Figure 4. Zamba showing RVK Sept. 04 sample locations.

## ZAMBA SHOW

| 98 BOB | AU grams | CU |
|---|---|---|
| 915 | 0.61 | 3066 |
| 916 | 0.71 | 3326 |
| 917 | 1.43 | 6298 |
| 918 | 0.56 | 1.05% |
| 919 | 0.66 | 1.3% |
| 920 | 0.40 | 8732 |
| 921 | 0.14 | 3589 |

Average over 7 meters
0.64 g/t Au
0.69 % Cu

ETHIER EXPLORATION
BOX 184, SMITHERS B.C. V0J 2N0 250 847-2814




Cu, Au
in.

## 180 stn Knob

Several shears (.3-2m) follow creek,
A zone 40m long X 10m wide of kspar
altered syenite, protruding from overburden.

Sheeted qtz veins >20/meter, very similiar to
Trenchs D,E,F,G on the Discovery Zone.

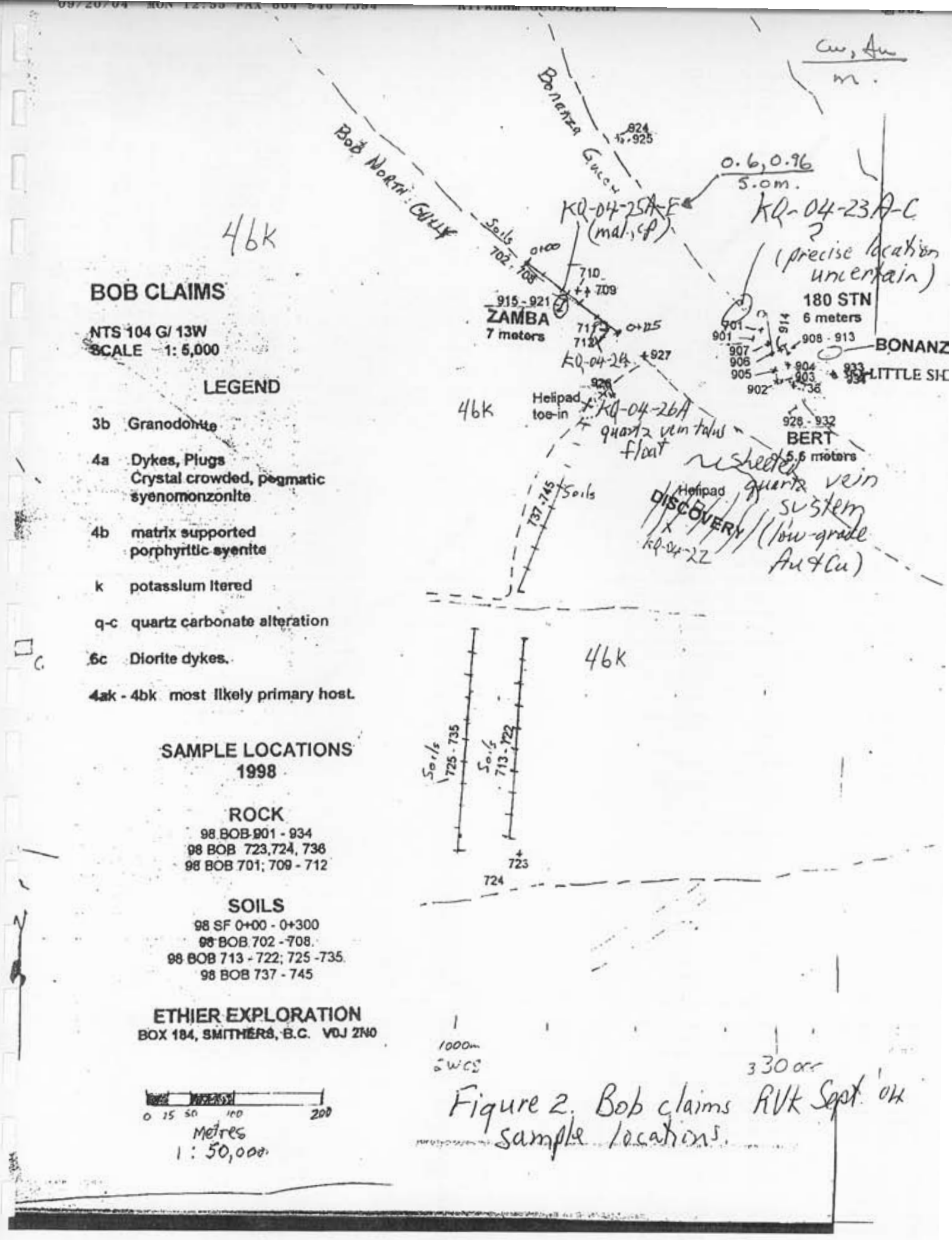
High Au 1.5, 3.1, 8.3, 4.8, 29grams
Low Cu - Ag
Poor consistancy.

| | Au | Cu |
|---|---|---|
| 901 | .05 | 296 |
| 902 | .41 | 4631 |
| 903 | .03 | 383 |
| 904 | .04 | 503 |
| 905 | .34 | 687 |
| **906** | **1.47** | **1548** |
| **907** | **3.14** | **446** |
| **914** | **8.28** | **4848** |
| 701 | .07 | 188 |
| 516 | .07 | 586 |
| 519 | .01 | 162 |
| 520 | .02 | 125 |
| 521 | .02 | 289 |
| 608 | .02 | 296 |
| 809 | - | 172 |
| 810 | - | 159 |

| Au | Cu |
|---|---|
| 4.82 | 168 |
| .05 | 377 |
| .59 | 339 |
| .06 | 278 |
| .06 | 200 |
| .02 | 95 |

Figure 3. 180 STN
Approx. RVt Sept. '04
Sample locations.

ETHIER EXPLORATION 1 250 847-2814




## BOB CLAIMS

NTS 104 G/ 13W
SCALE 1: 5,000

### LEGEND

- 3b Granodiorite
- 4a Dykes, Plugs
  Crystal crowded, pegmatic syenomonzonite
- 4b matrix supported porphyritic syenite
- k potassium itered
- q-c quartz carbonate alteration
- 6c Diorite dykes.
- 4ak - 4bk most likely primary host.

### SAMPLE LOCATIONS 1998

**ROCK**
98 BOB 901 - 934
98 BOB 723,724, 736
98 BOB 701; 709 - 712

**SOILS**
98 SF 0+00 - 0+300
98 BOB 702 - 708.
98 BOB 713 - 722; 725 -735
98 BOB 737 - 745


**ETHIER EXPLORATION**
BOX 184, SMITHERS, B.C. V0J 2N0


0 15 50 100 200
Metres
1 : 50,000

Figure 2. Bob claims RVk Sept '04 sample locations.

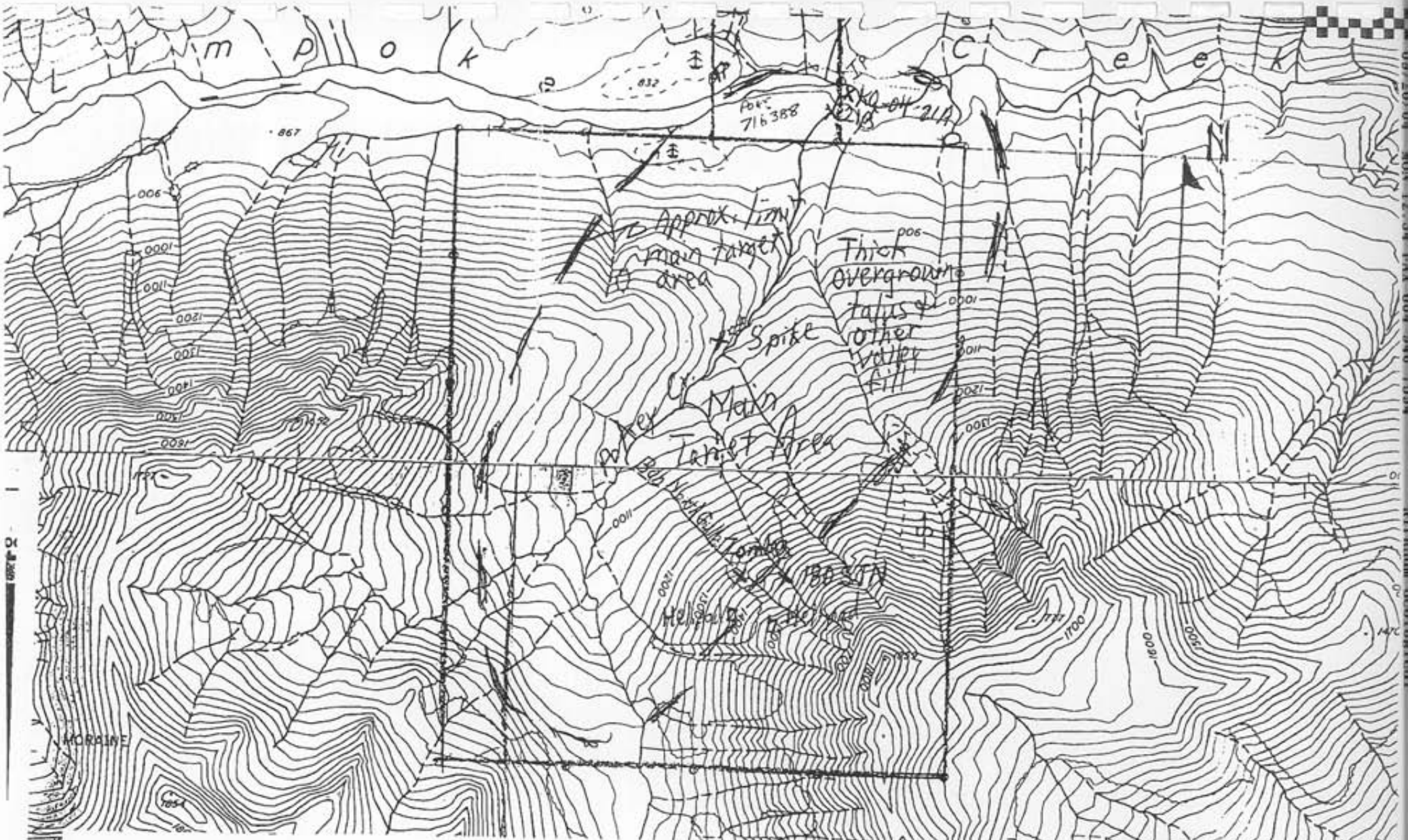
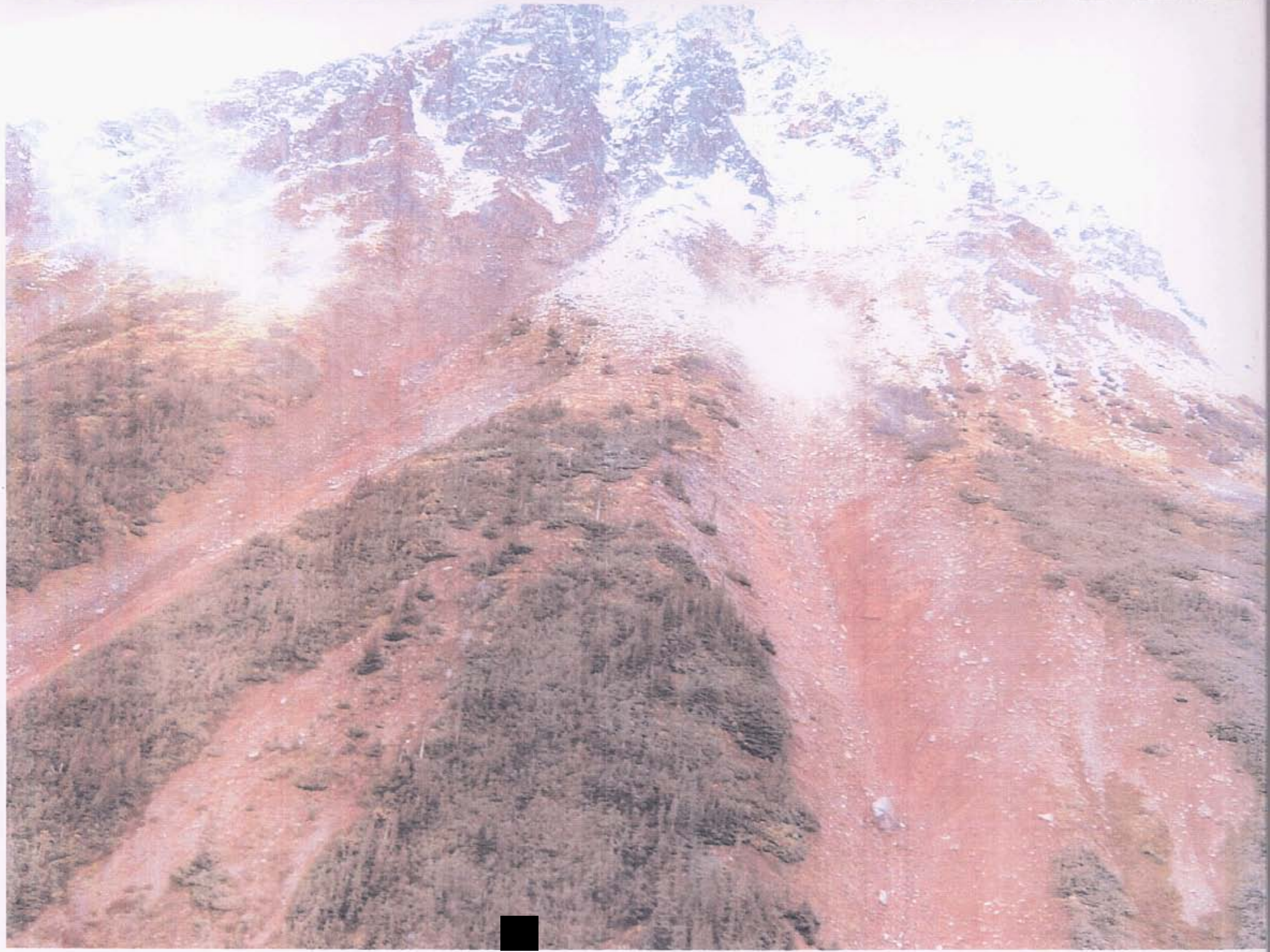
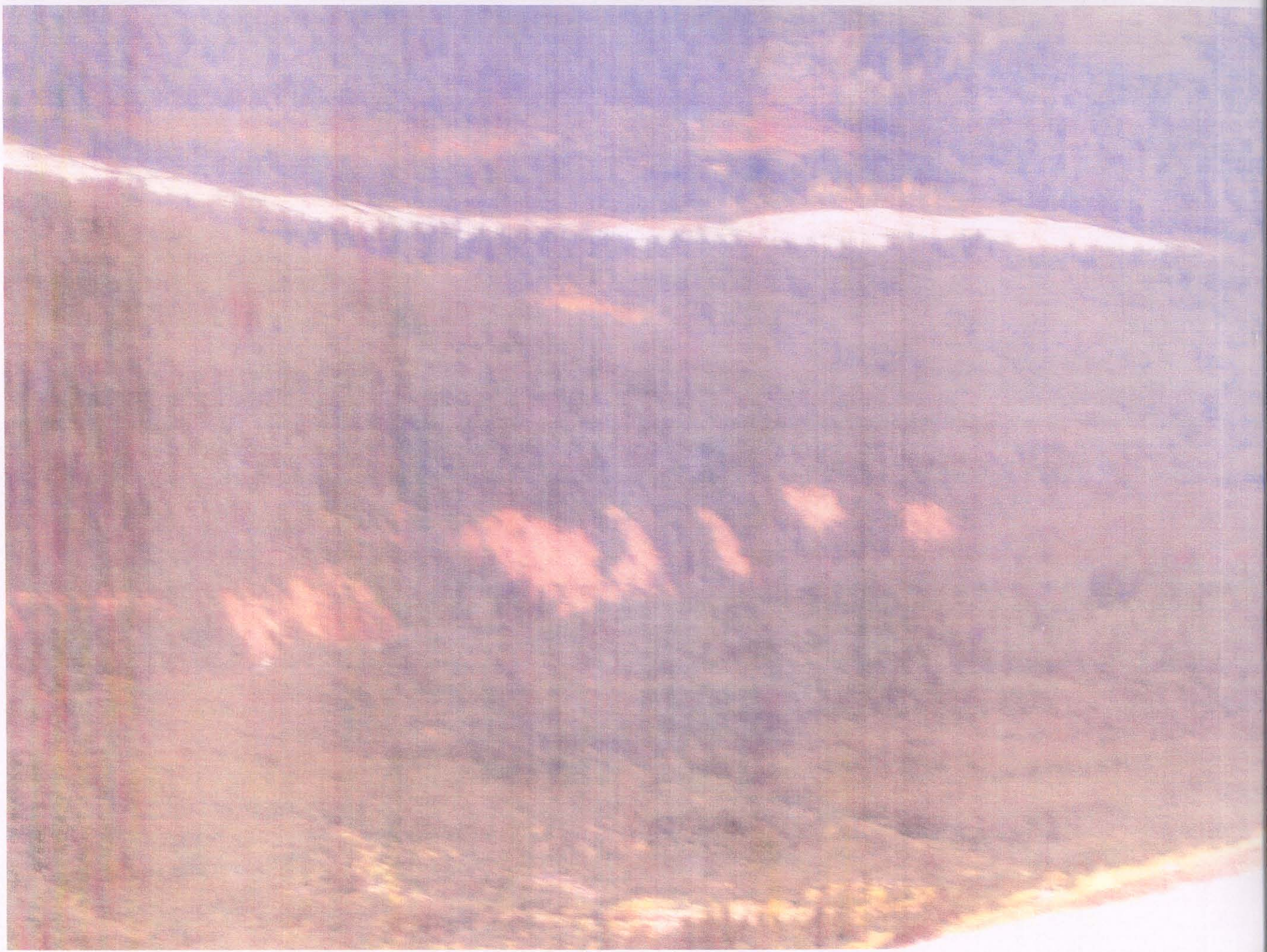
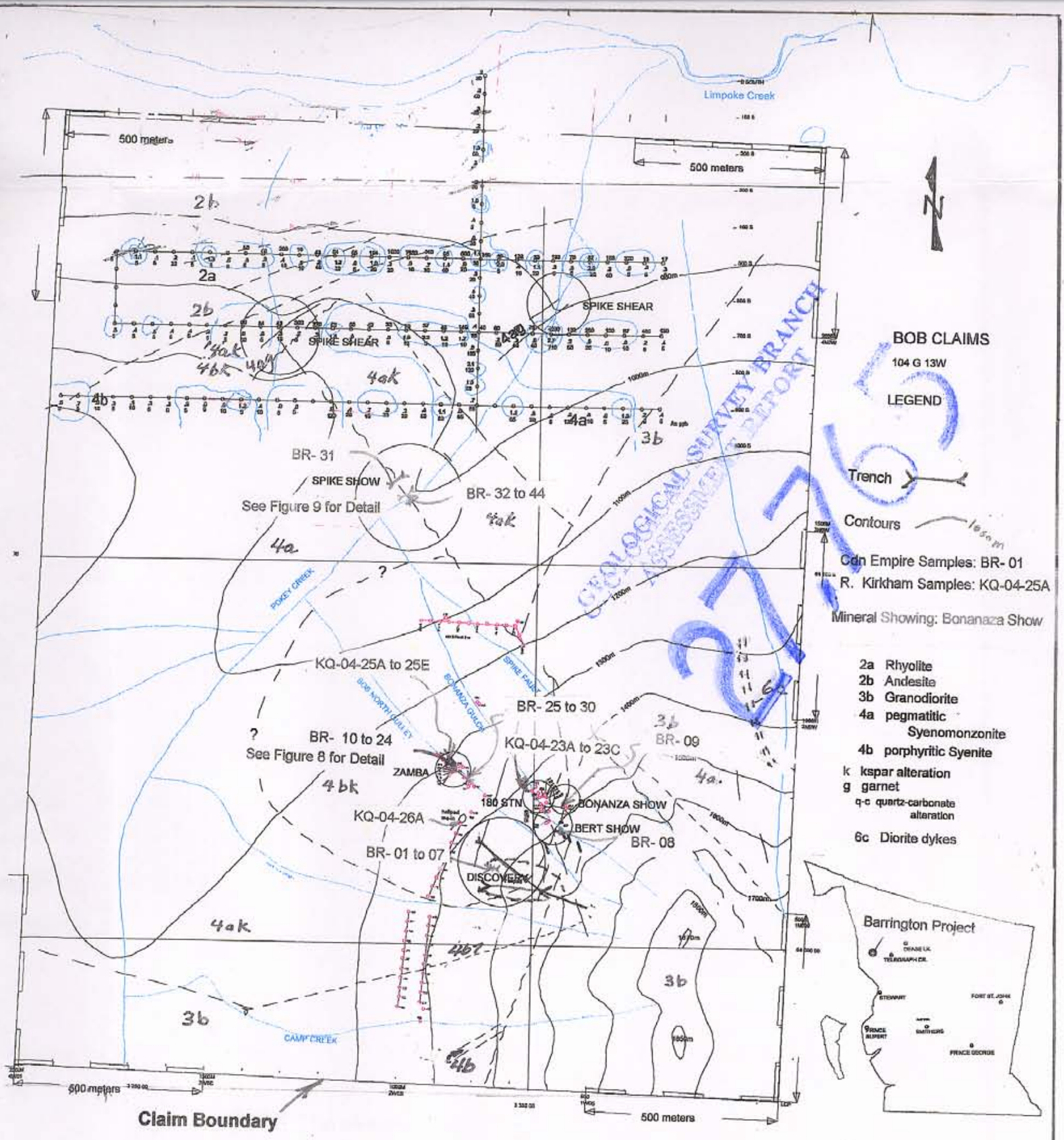



Figure 1. Location map showing main target area.

RVk Sept. '04










**Canadian Empire Exploration Corp.**

BARRINGTON PROJECT

GEOLOGY
and
ROCK SAMPLE LOCATION MAP

FIGURE 6