

**Geological and Diamond Drill Report
Power Project
Osoyoos and Greenwood Mining Divisions, B.C.**

**NTS Location 82E/6W
49°23'N latitude / 119°21'W longitude**

Mineral Claims

Blocks: Fox 1-3, Fox 4, Power 1 and 2

Claims: Lynx 1-4, Moon 1-4

Owners:

**Yukon Minerals Corporation, Allendale Resources Corporation
Florence E. Bechtel, Alta Explorations Inc.**

Operator:

**Yukon Minerals Corporation
522 - 625 Howe Street
Vancouver, B.C. V6C 2T6**

Consultant / Author:

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Date Submitted:

November, 1989

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

**20,132
PART 2
OF 2**

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1. SUMMARY

1. The Power Project consists of 14 mineral claims (120 units), located in the Greenwood and Osoyoos Mining Divisions, 18 km east of the community of Okanagan Falls, B.C. Access is provided along a well maintained logging road, a distance of approximately 25 kilometres from Highway No. 97 at Okanagan Falls.

2. The claims are located over copper/gold/silver mineralization in a Tertiary syenite stock. Mineralization was first discovered on the property in the early 1960's, and the area has since undergone intermittent exploration by several operators directed towards the definition of a porphyry copper type deposit(s). Portions of the property have undergone routine soil geochemical, ground magnetometer, induced polarization and resistivity and limited diamond drill exploration. Prior to the 1989 programme, there was no evidence the property was ever geologically mapped on a normal grid scale.

3. The 1989 Power Project consisted of clearing existing roads of overgrowth, rehabilitating a portion of the grid, geological mapping at 1:2500 scale, a spot check soil geochemistry survey, a test geophysical survey (I.P. and resistivity, VLF-EM and MaxMin-EM) along three test lines, petrographic examination of rock and ore specimens, and 247.49 metres of NQ diamond drilling in 4 holes.

The principle rock type on the property is a fresh, coarse grained biotite syenite, with accompanying lithologically similar intrusive phases. Geological mapping in the grid area indicates this syenite stock is fresh, massive and unaltered with minimal structural features. Geological interpretation of previous operators' work indicated that an arcuate basin centered at L4N 400W may be the center of a younger structural and/or intrusive activity. This possibility was substantiated by a broad magnetic low, ringed by soil geochemical and I.P. anomalies, and remains to be adequately tested by diamond drilling.

The most effective geophysical exploration tools were determined to be ground magnetics and the I.P. and resistivity surveys. Ground magnetics reveals magnetic lows over most of the low laying ground and drift filled gullies, suggesting a recessive, different rock type or intrusive phase. I.P. and resistivity were effective in defining contacts of intrusive phases, and locating sulfide mineralization (principally pyrite) as chargeability highs flanking marked resistivity contrasts indicating an intrusive phase change.

Significant porphyry type copper mineralization was not discovered on the property during the 1989 Power Project. The lack of large zones of hydrothermal alteration, brecciation, fracturing and disseminated epigenetic copper sulfide mineralization does not support the concept of the immediate area hosting a porphyry copper

deposit. The presence of well mineralized (with respect to copper) aplite xenoliths, however, indicates a geological environment favourable to porphyry copper mineralization, and future work should be directed towards locating the source of this material.

2. RECOMMENDATIONS

While the results of the 1989 Power Project detract from the potential of the immediate grid area hosting economic proportions of porphyry copper-gold-silver mineralization, the existence of copper mineralized xenolith material indicates an environment favourable for porphyry copper mineralization, and future exploration efforts should be directed towards establishing the source of this material. The following two-phase programme is recommended.

PHASE I

1. Petrographic examination of selected rock and mineralized samples to establish parentage and genesis.
2. Systematic prospecting and sampling of southern and northern portions of the claims area. The syenite stock contact should be established and investigated, in hopes of locating a significant alteration envelope and the possible source of the well mineralized xenoliths.

Costs of the above program are estimated to be \$15,000.00

PHASE II

1. Establish a grid over the more favourable target areas, trench accessible showings, conduct a routine soil geochemical survey and map the geology on grid scale.
2. Conduct an I.P. and resistivity survey for definition of alteration and mineralized zones.

The scope and costs of this phase are contingent upon results of Phase I.

III. INTRODUCTION

1. Geographic and Physiographic Position

The Power Project consists of 14 mineral claims centered at 49° 23'N, 119° 21'W (NTS 82E/6W). The claims are located 18 kilometres east of Okanagan Falls, B.C., and are readily accessible by a well maintained gravel logging road to Allendale Lake, a distance of 24 km, and 1.5 kilometres west along a 4x4 dirt road. The western and northern portion of the claims area straddle the northward continuation of the logging road, and are easily accessed.

The claims area is in the Okanagan Highland physiographic subdivision of B.C., along the divide between the Okanagan and Kettle River valleys. Relief is moderate, characterized by glacially carved rolling landscape with occasional rocky knolls and cliff faces. Elevations range from 1500 metres a.s.l. to 1850 metres a.s.l. Overburden and glacial outwash is typically most pronounced in depressions and at lower elevations, where broad swampy areas effectively conceal bedrock.

The area is timbered with mature pine, and commercial logging in the area remains active.

2. Property Definition

i) Claims

The Power Project area consists of fourteen mineral claims, eight of which are located by the two post method, and six located by the Modified Grid System (MGS) of staking. Claims and pertinent details are listed below:

<u>Name</u>	<u>Type</u>	<u>Rec. No.</u>	<u>No. of Units</u>	<u>Mining Div.</u>	<u>Anniv.</u>
Lynx 1	2-post	15423	1	Osoyoos	06-10-90
Lynx 2	2-post	15424	1	Osoyoos	06-10-90
Lynx 3	2-post	1422	1	Osoyoos	07-16-90
Lynx 4	2-post	1423	1	Osoyoos	07-16-90
Moon 1	2-post	1400	1	Osoyoos	06-10-90
Moon 2	2-post	1401	1	Osoyoos	06-10-90
Moon 3	2-post	1402	1	Osoyoos	06-10-90
Moon 4	2-post	1403	1	Osoyoos	06-10-90
Fox 1	M.G.S.	3103	20	Greenwood	06-21-90
Fox 2	M.G.S.	3104	20	Greenwood	06-21-90
Fox 3	M.G.S.	3105	20	Greenwood	06-21-90
Fox 4	M.G.S.	3106	20	Greenwood	06-22-90
Power 1*	M.G.S.	3013	16	Osoyoos	09-01-90
Power 2*	M.G.S.	3014	16	Osoyoos	09-01-90

* denotes assessment applied for by Mike Nielsen on August 28th, 1989. The reader is advised to verify this anniversary date at the Gold Commissioners Office, Osoyoos Mining Division.

The Power 1 - 2 and Fox 4 claims are recorded in the name of Yukon Minerals Corporation. The Fox 1-3 claims are recorded in the

name of Allendale Resources Corporation. The Moon 1-4 claims are recorded in the name of Alta Explorations Incorporated. The Lynx 1-4 claims are recorded in the name of Florence E. Bechtel.

ii) Work History

Copper mineralization was first discovered in the area and subsequently staked by R.W. McLean and K.G. Ewers in 1966, on a hilltop 1.25 km west of Allendale Lake. The occurrence of porphyry style copper mineralization and the potential for a large volume, low grade deposit was recognized almost immediately. The claims area has since been the subject of sporadic exploration efforts by several mining companies.

The initial Lynx-Late claims were optioned to General Resources Ltd., who reportedly spent \$25,000 on trenching and access road construction. Gunnex Limited optioned the property in 1968, installed a compass and chain grid, and completed a detail geochemical and magnetometer survey over the mineralized area.

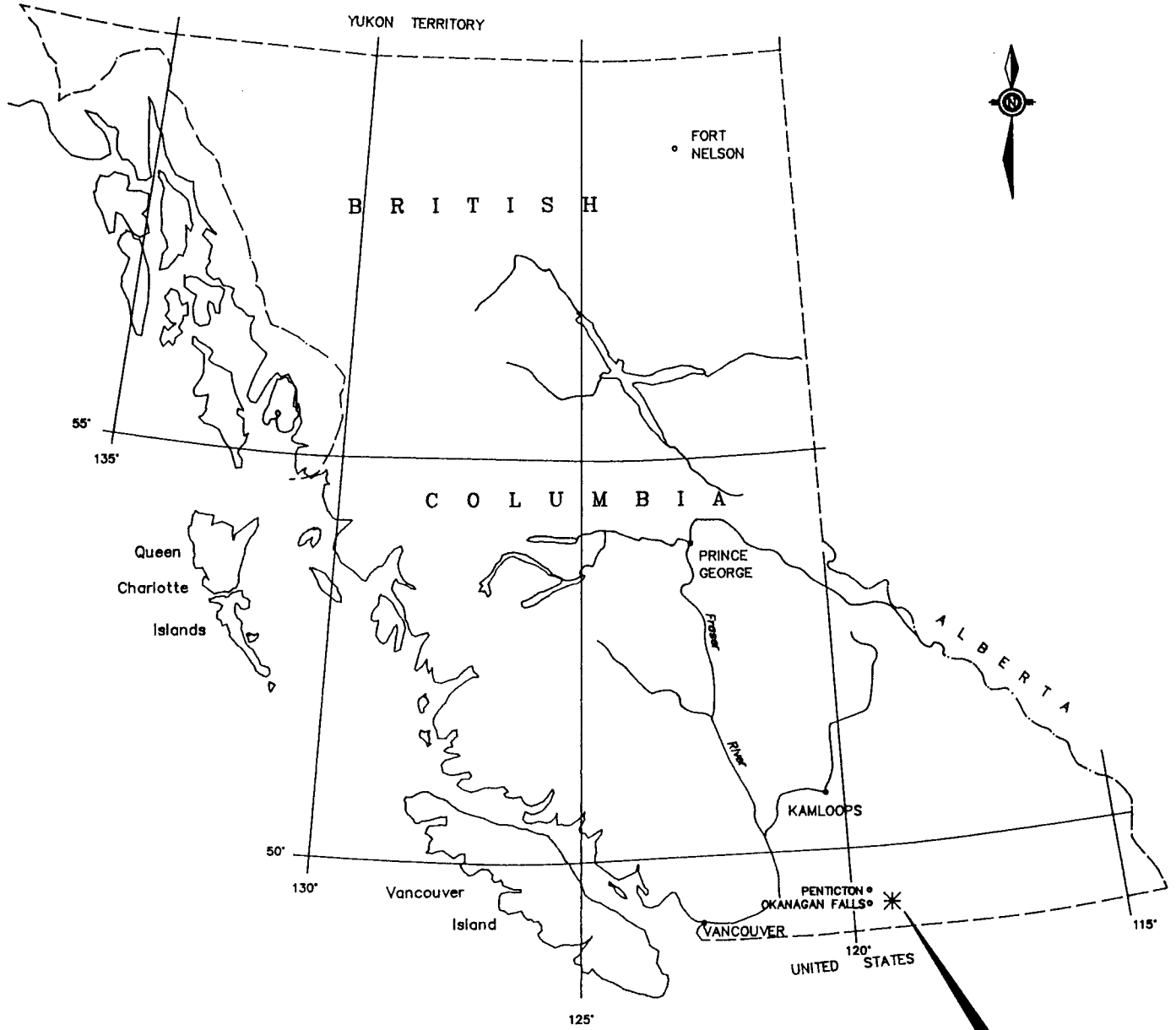
Selco Exploration Company Limited optioned the property in 1971, and drilled 2 diamond drill holes on targets defined by a limited induced polarization survey. Results were poor and the option was allowed to lapse.

Allendale Resources acquired interest in the property in 1982, and completed a 5 hole diamond drill programme. Kerr, Dawson and Associates logged the drill core in the Fall of 1982, and recommended additional exploration.

In 1983, Kerr, Dawson and Associates, on behalf of Allendale Resources, established a reconnaissance grid over the area. A 5 km baseline and 44 km of grid lines were cut and flagged at 500 metre intervals with stations marked every 50 metres. A comprehensive program of soil geochemical, magnetometer and induced polarization surveys was completed. Five anomalous areas were defined, and diamond drilling was recommended.

Noranda Exploration Company acquired an option to the property, and in 1986 conducted a reconnaissance soil geochemical survey on the Nora claims, immediately south of the Moon claims. Results were poor and the option was allowed to lapse.

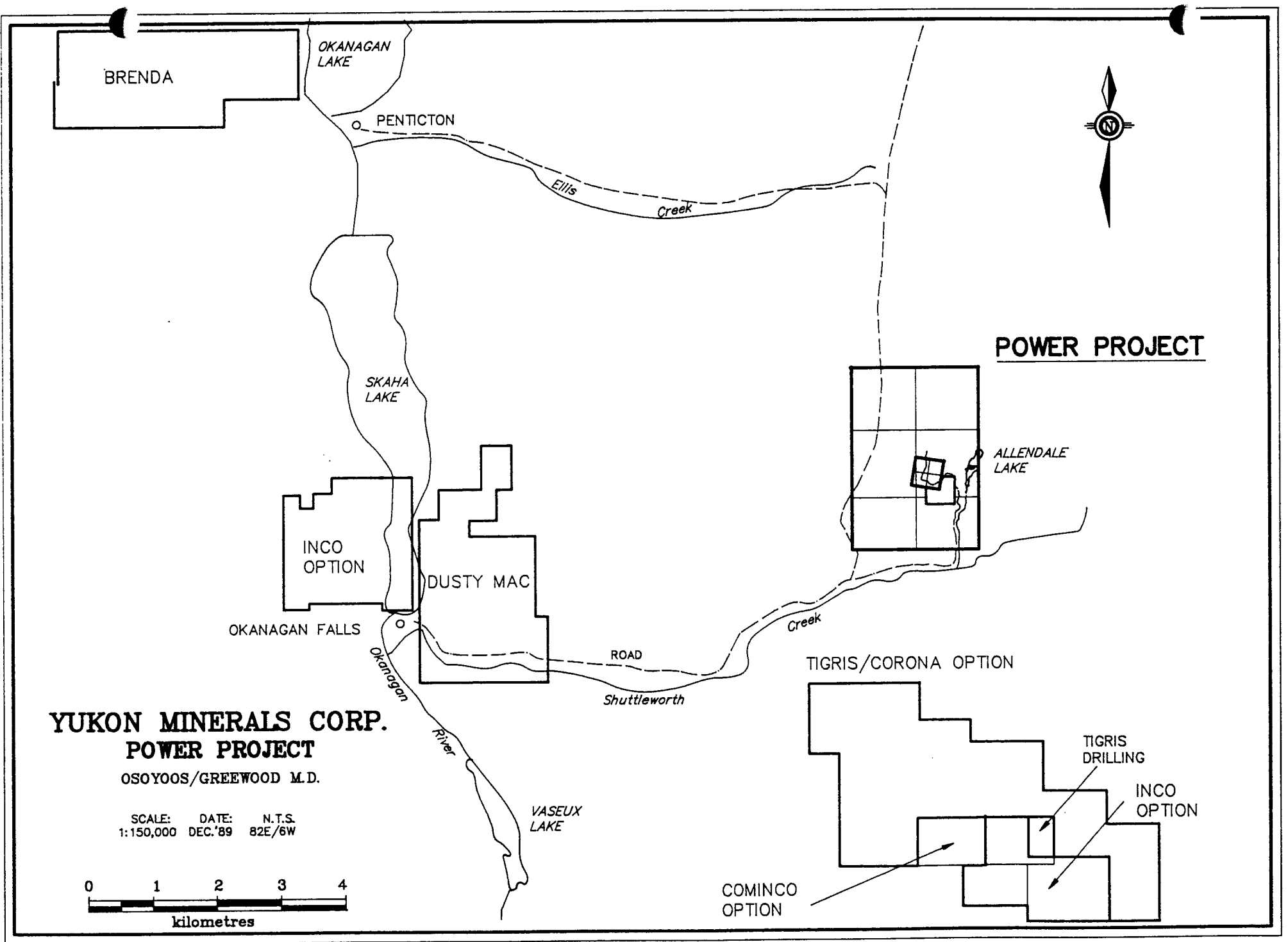
Yukon Minerals Corporation acquired an option on all claims in the area in the Spring of 1989 and completed a limited geological mapping, geophysical and diamond drill programme during the period August 1st - November 5th, 1989. Results of this programme are the subject of this report.



YUKON MINERALS CORP.

**POWER PROJECT
OSOYOOS/GREENWOOD M.D.
LOCATION MAP**

SCALE: DATE: N.T.S.
AS NOTED DEC.'89 82E/6W



BRENDA

OKANAGAN LAKE

PENTICTON

Ellis Creek



POWER PROJECT

SKAHA LAKE

ALLENDALE LAKE

INCO OPTION

DUSTY MAC

OKANAGAN FALLS

ROAD

Creek

TIGRIS/CORONA OPTION

Shuttleworth

**YUKON MINERALS CORP.
POWER PROJECT**

OSOYOOS/GREEWOOD M.D.

SCALE: 1:150,000 DATE: DEC.'89 N.T.S. 82E/6W

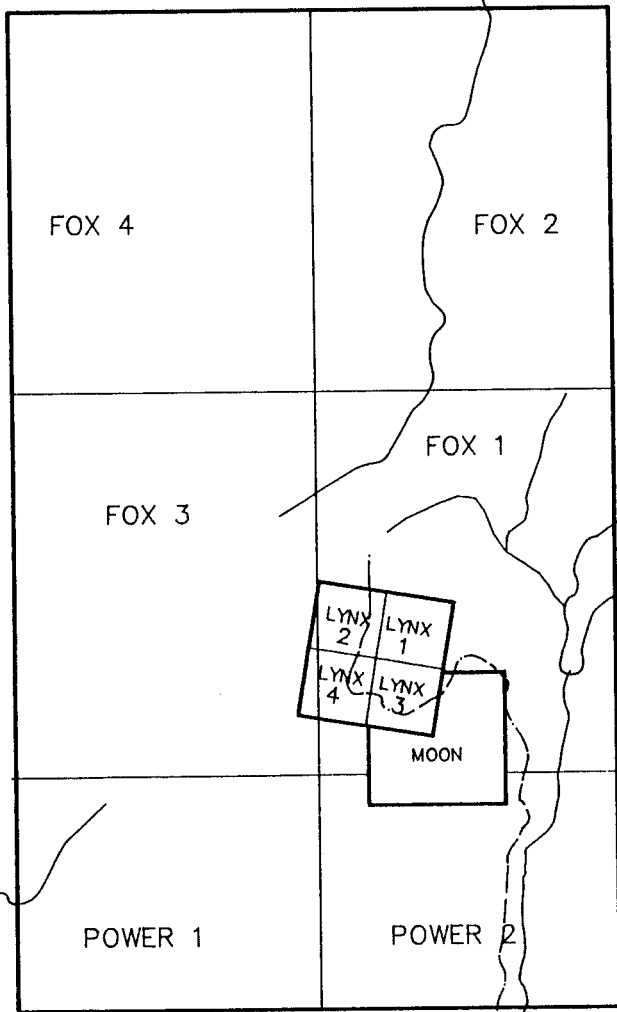


VASEUX LAKE

TIGRIS DRILLING

INCO OPTION

COMINCO OPTION



To Okanagan Falls

ROAD

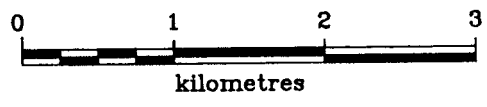
Shuttleworth

creek

YUKON MINERALS CORP.

POWER PROJECT
OSOYOOS/GREEWOOD M.D.

CLAIM MAP



SCALE: 1:50,000 DATE: DEC. '89 N.T.S. 82E/6W

3. Summary of Work

The author first inspected the claims area on May 8th, 1989, for a duration of one day. The 1989 surface exploration programme took place during the period August 1st to August 30th, 1989. The field crew consisted of the author, Mr. Rob Klett1 - contract geologist and Mr. Mike Nielsen - operations manager, Yukon Minerals Corporation.

Geotronics Surveys Ltd. conducted their test geophysical surveys on the claims area during the period August 24th-25th, 1989, 1989. The geophysical field crew consisted of 3 men. The diamond drill program was carried out during the period October 28th to November 3rd, 1989, contracted by Beaupre Diamond Drilling Ltd. of Princeton, B.C.

i) Road Clearing

A 966 front end loader was contracted for one day to clear overgrowth off the existing road network.

ii) Grid Establishment

The old baseline was refurbished (cut, chained and re-flagged) for a distance of 1.3 km, and 14 grid lines between L4N and L16N were re-flagged and chained east and west of the baseline for a total distance of 16.15 grid km.

iii) Geological Survey

The above grid was geologically mapped at 1:2500 scale. A total of 17 rock chip samples were collected and submitted for analysis.

iv) Geochemical Survey

Soil samples from selected grid lines were collected and analyzed in an attempt to validate former soil geochemical anomalies as defined by past surveys. A total of 23 soil samples from 3 grid lines were collected and analyzed.

v) Geophysical Survey

A 2 day geophysical test program was conducted by Geotronics Surveys Ltd. of Vancouver, B.C. in an attempt to define the best method for locating subsurface sulphide mineralization. I.P. and resistivity, VLF-EM and MaxMin EM geophysical techniques were tested along 3 lines. The I.P and resistivity survey tested a total of 1,140 grid metres. VLF-EM and MaxMin EM techniques were tested along 210 grid metres.

The geophysical staff of Geotronics Surveys Ltd. compiled all geophysical data and have submitted their interpretation under a separate report. A summary of these results is included with this report.

vi) Diamond Drilling

A skid-mounted Longyear Super 38 diamond drill drilled four NQ sized holes on 2 geophysical and geological targets, totalling 247.49 metres. A total of 35 core samples were split and submitted for geochemical analysis for Cu, Au and Ag. Drill logs, complete with assays are presented in Appendix II

vii) Petrographic Analysis

Petrographic examination of 2 polished thin sections and 1 thin section by Paul Ramaekers, FGAC, of Calgary, AB. was completed. Results are presented in Appendix I.

4. Claims on which work was performed

Claim Blocks	- Fox 1 and 3	Two Post Claims	- Lynx 1-4
	- Power 1 and 2		- Moon 1-4

IV. TECHNICAL DATA AND INTERPRETATION

1. Purpose

The 1989 Power Project exploration programme was designed to evaluate the claims area in terms of the potential for hosting a

large volume, low grade copper-gold-silver porphyry type deposit(s). The programme scope was to establish a control grid, map the geology, test geochemical signatures obtained by previous operators, determine the most effective means of geophysical exploration, and diamond drill test the better targets.

Petrographic analyses of selected samples was used to verify whether porphyry type intrusive and copper mineralization occurred in the area. A limited soil geochemistry survey of selected areas was designed to validate large copper soil anomalies, as delineated by previous operators using similar techniques.

Geological mapping was geared towards the definition of large scale alteration envelopes typical of most porphyry deposits, ground truthing geochemical soil anomalies, mapping the location of known mineral occurrences, and tracing conspicuous overburden filled broad gullies.

Geophysical test surveys were designed to establish which procedure (I.P. and resistivity, VLF-EM and MaxMin-EM) provides the best and most reliable response over observable mineralization and geology, and determine which procedure(s) could provide the most reliable means of locating porphyry type copper deposits.

The better defined target areas (based on coincidental observable mineralization, soil geochemical anomalies, and geophysical anomalies) were diamond drill tested in an attempt to determine causative sources for the anomalous response(s).

2. Results and Interpretation

i) Regional Geology

The general geology of the area was compiled by H.W. Little in 1958 and 1959 at 1 inch = 4 miles on the Kettle River G.S.C. map sheet No.15-1961. This work has since been updated and compiled by D.J. Tempelman-Kluit in 1989, in G.S.C. Open File 1969, Penticton Map Area.

The claims are centered around a small (8 km²) syenite stock, one of several Eocene Coryell intrusions in the district believed to be coeval with Tertiary epithermal mineralization in the district. This particular stock occupies a unique structural position, in that it intrudes an apparent point of structural weakness at the junction of the Eocene Okanagan Gneiss, the granitic Cretaceous and/or Jurassic Okanagan Batholith and a presently poorly dated Eocene(?) hornblende granodiorite batholith.

Open File 1969 indicates all the above described rock units occur within the Power Project claim area, with the Okanagan gneiss and northern Eocene(?) granodiorite batholith towards the west, and the Okanagan Gneiss occupying the eastern edge of the claims area. Only the Coryell Syenite and its differentiates were found to occur in the grid area, with the exception of xenolithic material probably derived from the Okanagan Batholith and Gneiss.

ii) Local Geology

The grid was mapped at 1:2500 scale, and data is presented in Figure No. 3. The predominant rock type occurring within the grid area is a coarse grained biotite syenite, characterized by a spongy framework of chunky, smoky grey orthoclase feldspar phenocrysts, 1 to 3 cm in diameter, with finer grained, intersertal biotite. Magnetite content is generally quite high, ranging from 1 to 5 %.

Hydrothermal alteration typical of most porphyry deposits is generally negligible within the mapped grid area. Weak propylitic alteration can be observed in isolated fracture zones in the form of 1 to 2mm thick smears of epidote along fracture faces and minor calcite veining. Locally strong zones of secondary biotite development commonly occur adjacent to quartz feldspar pegmatite dykes and blows. Veins of pink albite occur as joint infills, are confined, and generally average 1 cm in thickness. Argillic alteration (hydrothermal clay alteration of feldspars) is very weak at best, and usually most pronounced near faults and shears.

Geological mapping and drill core examination indicates four distinct phases of Coryell syenite occurs in the grid area.

1. Coarse grained, dark grey biotite +/- hornblende rich syenite, distinguished by chunky, smoky grey coarse phenocrysts of orthoclase. The rock is generally massive, homogenous, weakly fractured and fresh. Magnetite content is quite high, ranging from 3 - 5%. Occasional pyrite grains occur as disseminations and as

fracture fill.

2. Fine - medium grained, biotite rich dark grey/black syenite. It has been suggested this phase represents an early crystal segregation of the magma during emplacement of the stock (Kerr, 1983). Sharp and gradational contacts with (1) have been observed. Weak-moderate fracturing is observed with weak chlorite and clay development. This rock generally contains appreciable disseminated pyrite (up to 3%), with traces of chalcopyrite and molybdenite. Sulphide content is observed to increase in areas of increased fracture density and is spatially related to biotite. Magnetite content is generally lower than (1), and is most pronounced towards the centre of the intrusive phase.

3. Light grey, fine-medium grained syenite or monzonite. The mafic content is appreciably lower than the main syenite phase, and is predominantly biotite. The rock is fresh, massive, dense, and shows little sign of secondary alteration. Contacts are variable, but it is believed this rock type represents a separate and later intrusive event.

4. Dark grey, fine grained fresh biotite feldspar (Minette) dykes. Categorized as a lamprophyre dyke, this unit contains 40% fine grained feldspar, up to 10% magnetite, and up to 50% fine grained biotite. This unit probably represents a finer grained counterpart of (1).

Two other significant rock types in the grid area include:

i) Small pods, dykes(?) and sills(?) and xenoliths of fine grained buff/white /light grey granodiorite, granite or aplite. Variable in composition, this is the only rock type evident in the area with primary quartz occurring as grains and masses in the rocks. Alteration is variable, ranging from weak to strongly silicified, sericitized, with K-feldspar and clay alteration noted. Locally well mineralized, pyrite, chalcopyrite, bornite and tetrahedrite exist as clots and disseminations. These rocks are typically well oxidized along surface, with good development of malachite and azurite stain. The majority of occurrences of this particular rock type are xenolithic in nature. This rock exhibits alteration and mineralization typical of porphyry copper deposits, unfortunately large volumes of it have not been located to date. This rock type probably represents digested fragments of the earlier Okanagan gneiss and Okanagan Batholith, which form the main walls of the Coryell stock.

ii) Quartz Feldspar pegmatite dykes and blows occur throughout the grid area, mainly in the form of irregular veins and blows, occupying joint planes and zones of weakness. The pegmatite is quartz rich, and coarse albite constitutes the feldspar component. The larger pegmatite dykes are well zoned, and usually have a strong biotite alteration zone along contacts. Biotite, hornblende, magnetite and traces of fluorite and chalcopyrite are

also noted to occur in this dyke material.

Field mapping indicates that the distribution of rock types other than the coarse grained biotite syenite (1) is restricted, in a presently poorly explained fashion. Previous work (Figure 4) on the property has suggested that a swamp filled arcuate land feature south of L9N could possibly represent the centre of a major structural, intrusive, and/or extrusive event. Geophysical and geochemical evidence can be interpreted to outline a major fault centre, a later felsic intrusion, a breccia pipe or a volcanic caldera. Diamond drill hole 89-4, drilled eastward from L5N 0+60E, did not encounter alteration or brecciation one would expect proximal to such a tectonic feature.

iii) Structure

The results of a statistical study of fractures and lineaments undertaken in 1971 (Church, 1971) indicate the main fractures within the Coryell stock in the claims area have a mean attitude of 035 degrees dipping 80 degrees southeast. Strong subsidiary fractures strike about 065 degrees dipping 55 degrees northwest and two weaker sets were noted striking roughly 010 degrees dipping 55 degrees northwest and 135 degrees vertical.

The knob and kettle topography of the area generally reflects the main fracture direction (035 degrees). While indicative of the overall glacial direction, major geological features such as faults and intrusive contacts also trend in this direction.

The Road Show occurs in a recessive gulley trending along this trend, and probably represents mineralization along the contact of two intrusive phases, one of which is more resistant to erosion. Magnetic lows generally occur along these gulley features, indicative of a different and/or altered intrusive phase. The frequency and distribution of these long recessive gulleys probably represents other intrusive contacts or recessive dykes, and the possibility of other Road Show "type" occurrences along these gulleys is considered very good.

iv) Mineralization

Mineralization within the grid area of the Power Project occurs in three distinct modes, described below:

1. The most widespread mode of mineralization within the grid area consists mainly of sulphide replacements in xenoliths. This mineralization can be quite spectacular, and consists of disseminations and clots of pyrite, chalcopyrite, bornite, chalcocite and tetrahedrite in rounded digested aplite, ranging in size from 10 cm to 1 metre.

Alteration can be intense, usually taking the form of silicification and potassic alteration. These rocks are typically well oxidized, with good development of malachite and azurite stain. A well mineralized grab sample (81259) of this material obtained from L13+30N 0+10E returned 3.56% Cu, 100 ppb Au and 2.24

ounce/ton Ag.

The xenoliths tend to occur in clusters, and a 33 foot (10.06 metre) channel sample obtained by previous operators reportedly averaged 0.75% Cu and 0.6 ounce/ton Ag. This sample was probably obtained from a blast trench located at L13+30N 0+40E. Similar clusters of xenoliths were noted to occur near L6+50N 04+00E, L9+00N 0+50E, L10+00N 5+50W and L12+00N 10+50W.

2. The second form of epigenetic sulphide mineralization occurs as shear zone / contact metasomatic accumulations of sulphide, confined to narrow zones apparently bordering distinct phases of the intrusion complex (ie. The Road Show).

Strongly oxidized pyritic intrusive float was exposed during logging operations on the property during the winter of 1988 near L8+60N 2+00E. The Road Show was partially exposed by a front end loader utilized at the onset of the programme to clear overgrown roads. A sulphide rich, fine grained syenite hosts 5-15% veined and clotted pyrite, .1-1% disseminated chalcopyrite and traces of tetrahedrite near a contact with fresh, coarse grained biotite syenite. A 2.65 metre continuous channel sample (66201) across the exposed portion of the showing returned 0.44% Cu, <0.002 ounce Au/ton and 0.07 ounce Ag/ton.

Petrographic examination of Road Show mineralization indicates a complete lack of quartz (primary or secondary), moderate argillization of feldspar (especially plagioclase), and that most biotite is secondary in origin.

The Road Show appears to occupy a narrow northeast trending draw, approximately 17 metres wide, and traceable along surface for over 200 metres. The above sample was derived from the east wall, and vuggy, bleached fine grained monzonitic material containing traces of disseminated bornite were located along the west wall, approximately 35 metres towards the west. A grab sample of this material (66203) assayed 0.90% Cu.

Mineralized samples from the Spoon, Tessa and Antler zones can also be loosely categorized under this deposit type. The Spoon Show is a thin shear hosted accumulation of chalcopyrite, bornite and tetrahedrite located at L14N 0+95W. The occurrence appears to be one of a series of widely spaced shears (3-5 metres) in fresh coarse grained biotite syenite striking 82° dipping 26° north. A selected grab sample returned 13.77% Cu, 0.128 ounce Au/ton, and 5.25 ounce Ag/ton. Mineralization here is spotty and limited.

The Tessa showing is a zone of intense secondary biotite development marginal to a fine grained, pyritic syenite(?) exposed along a road cut 30 metres south of L10N 5+75W. A grab sample of this material (80954) returned 0.06% Cu, <0.002 ounce Au/ton and 0.03 ounce Ag/ton.

The Antler Zone is similar to the Tessa Zone, with the absence of pronounced secondary biotite. Situated alongside the road 20 metres north of L10N(B) 4+80W, a grab sample (80953) of this material returned 0.06% Cu, <0.002 ounce Au/ton and 0.05 ounce Ag/ton.

3. The third type of mineralization in the claims area is

disseminated pyrite and lesser chalcopyrite in fine to medium grained biotite syenite (2). Observed only in diamond drill hole 99-4, up to 3% disseminated and lesser fracture controlled pyrite, 0.5 - 1.0% chalcopyrite and traces of molybdenite occur more or less evenly distributed throughout this intrusive phase. Sulphide mineralization appears to be mainly magmatic in origin, and not concentrated by hydrothermal/porphyry deposit "type" processes. While mineralization can occur across considerable widths, overall copper grades are well below any economic threshold.

Geochemistry

A total of 23 soil samples were obtained from 3 grid lines during the 1989 Power Project. The purpose of this exercise was to reproduce comparable geochemical copper and silver values within geochemical anomalies defined by previous operators (Allendale Resources - 1983). If results proved comparable, the existing geochemical database could be utilized with a degree of confidence.

Soils were obtained across 3 copper soil anomalies (> 150ppm) along L4N 0+00 to 4+00E, L5N 0+00 to 4+00E and L10N 4+00W to 4+00W. The B soil horizon was sampled with the aid of a maddock at a depth of 25 cm and samples were placed in standard open ended kraft envelopes for shipping and handling. Samples were sent to Bondar-Clegg & Company of 130 Pemberton Avenue, North Vancouver and analyzed by atomic absorption techniques.

Overall, results were lower, but 3 samples did run in excess

of 150 ppm Cu, establishing a satisfactory degree of confidence in the available data.

vi) Geophysics and Diamond Drilling

In an attempt to locate significant deposits of low grade copper sulphide mineralization, past operators resorted to I.P. and magnetometer surveys of the claims area.

I.P. and resistivity surveys were carried out in 1971 and 1983 by Siegel Associates Ltd. and Phoenix Geophysics Ltd., respectively, utilizing the time domain method. Moderate I.P. highs of 10 - 13 milliseconds were defined out of a background of 3 to 4 milliseconds. These highs correlated with the edges of resistivity highs, indicating the possibility of sulphide mineralization being related to intrusives as reflected by resistivity highs.

A magnetic survey by Kerr Dawson and Associates in 1983, utilizing a proton precession magnetometer measuring total field, was carried out over most of the initial grid. The intensity of the magnetic field was determined to vary from 52,330 gammas to 69,930 gammas, indicating a range of 17,600 gammas. A northerly trend is evident, suggesting geological structures persist in this direction.

Magnetic highs correlate well with ridge tops and topographic highs, reflecting unaltered, magnetite rich coarse grained syenite. Linear magnetic lows occur along the western portion of the grid,

trending in a northerly direction, and probably reflect large fault structures. A broad magnetic low overlays the swamp in the south central grid area, supporting the theory of this area being the site of large scale alteration, cross-faulting, and/or a different rock type.

A 2 day geophysical test program was conducted by Geotronics Surveys Ltd. of Vancouver, B.C. in an attempt to define the best method for locating subsurface sulphide mineralization and subsequent drill testing. I.P. and resistivity, VLF-EM and MaxMin EM geophysical techniques were tested along 3 lines. The I.P and resistivity survey tested a total of 1,140 grid metres (Test Line No.1, L5N 0+00 to 3+75W, and L10N(B) 0+60E to 4+20W). VLF-EM and MaxMin EM techniques were tested along 210 grid metres (Test Line No.1).

Geophysical results and survey methods are described in a separate report by David G. Mark, of Geotronics Surveys Ltd. The following observations and conclusions were, for the most part, obtained from Mark's 1989 report.

A limited diamond drill program was designed to test the Road Show and geophysical anomalies outlined by the 1989 geophysics. Beaupre Diamond Drilling of Princeton, B.C. drilled 4 NQ diamond drill holes along two sections during the period October 28th - November 3rd, 1989. Core samples were split and submitted to Kamloops Research and Assay Laboratory Ltd. for geochemical analysis of Cu, Ag and Au.

VLF-EM and MaxMin EM profiles across the road show (Test Line

No.1) registered a flat response, indicating low conductivity over the showing. I.P. and resistivity across this same line showed a strong I.P. high dipping west, correlating with a resistivity contact due to a resistivity high to the east and low to the west.

Based on these results, drill hole 89-1 was collared west of the Road Show and drilled at -60° towards the northeast in an attempt to intersect the west dipping chargeability high. No alteration or significant sulphide mineralization was intersected.

Drill hole 89-2 was collared along section on the northeast side of the Road Show, and drilled at -45° towards the southwest to cover for an east dipping mineralized structure. Significant sheared, skarn type sulphide mineralization was intersected between 12.19 and 16.30 metres, with a 1.22 metre section assaying 0.68% Cu, 3.8 ppm Ag and <5ppb Au.

The head was tilted and drill hole 89-3 was drilled vertically from the same set-up. Three pyritic zones were intersected, with the widest and best mineralized intersected across 2.65 metres and assaying 0.19% Cu, 0.9 ppm Ag and <5ppb Au. The lower, smaller zones returned 0.61% Cu, 0.3 ppm Ag and <5 ppb Au across 0.80 metres and 0.24% Cu, 1.5 ppm Ag and <5 ppb Au across a core length of 0.42 metres.

The Road Show can be described as a north-east dipping (50°) sulfidic contact metasomatic (skarn) accumulation occurring along the contact of two lithologically similar syenite phases of the Coryell stock. Striking roughly 50° east, and probably of significant lateral and vertical extent, overall grade and width

falls quite short of economic requirements.

The I.P and resistivity survey effectively outlines this zone as a flat laying moderate chargeability (24-27 milliseconds) cross-cutting a marked resistivity boundary denoting an intrusive contact.

On L5N, the IP chargeability showed low amplitude highs of 10 to 20 milliseconds against a background of 10 to 11 milliseconds. A correlation with resistivity highs suggests sulphide association with intrusive phases. Diamond drill hole 89-4 was collared on L5N 0+60E and drilled at -45° eastward. Collared near a soil geochemical anomaly bordering the southern swamp area, this hole was drilled to test the I.P results and provide a glimpse of bedrock in this postulated plug/vent area.

Drill hole 89-4 intersected a sulphide rich, medium grained to porphyritic biotite rich syenite phase between 50.93 metres and 76.15 metres. Up to 3% disseminated pyrite (generally 1-2%) occurs within this plug(?), most pronounced near the contacts and gradually decreasing towards the centre. Traces of chalcopryrite and molybdenite occur randomly, generally along fractures and in clots with biotite. Alteration is weak, mainly expressed as selective chloritization and clay alteration of feldspar and along shears.

Overall copper content was quite low, with no interval assaying greater than 0.039% Cu. Gold and silver values were generally below detection limits. The pyrite content easily explains the chargeability high, which again occurs proximal to a

marked resistivity change indicating separate intrusive phases.

I.P. was also run along L10N(B) between 0+60E - 4+20W during the 1989 programme. A marked resistivity contrast occurs at 0+90W and 0+60W, probably representing a resistant (relative) vertical intrusive plug. Chargeability highs up to 27 milliseconds flank this plug which has a background averaging 11 milliseconds. A broad resistivity low occurs towards the west between 2+40W and 3+30W, and has been interpreted to possibly represent a broad alteration envelope associated with an epithermal vein structure. There is no surface geological evidence to support this, however surface trenching in the area is recommended. Line 10N(B) was not drilled in 1989 due primarily to expenditure of the budget.

vii) Conclusions

The 1989 Power Project field program effectively substantiated previous operators data and results with respect to copper mineralization in the grid area. Geophysical surveys, in particular I.P. and resistivity, and geological mapping indicates the area is underlain by a multi-phased intrusion, and that known mineralization to date occurs as chargeability highs flanking different intrusive phases described by a marked resistivity contrast.

Soil geochemistry anomalies, as defined by previous operators, are accepted as legitimate, and are of significant size and areal distribution.

Diamond drilling is probably the most effective method of testing geophysical anomalies, owing principally to depth of overburden.

While geochemical and geophysical signatures can be compared to porphyry deposit models, geological mapping and diamond drilling did not reveal zones of widespread brecciation, fracturing, alteration and disseminated mineralization, crucial elements of almost all porphyry copper deposits. If a porphyry copper deposit occurs within the Power Project claims area, it is not in the immediate grid area.

The well mineralized aplitic xenoliths contained in the fresh Coryell syenite are indicative of a favourable geological environment for porphyry copper deposits. Future work should concentrate on the source of these xenoliths, and the margins of the central syenite stock would be the logical place to investigate.

Road Show type mineralization is probably metasomatic (skarn) in nature, and not of the porphyry type. Typically much smaller in size, these deposits usually occur along the flanks of porphyry systems and with noted exceptions are rarely economic.

3) References

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- Cartwright, P.A., 1983, Report on the induced polarization and resistivity survey on the Allendale Lake Property. Assessment Report 12290.
- Church, N., 1971, Lynx, Late. Geology, Exploration and Mining in British Columbia, 1971.
- Gill, G., 1986, Geochemical survey on the Allendale Lake Property. Assessment report 15,466.
- Gruenwald, W., 1984, Geological, geochemistry, and geophysical report on the Allendale Lake Property. Unpub. Rpt for Allendale Resource Corp.
- Kerr, J.R., 1982, Report on the Lynx, Cam and Fox claims. Unpub. Rpt. for Allendale Resources Ltd.
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- Little, H.W., 1961 Geology Kettle River (West Half), G.S.C. Map 15-1961.
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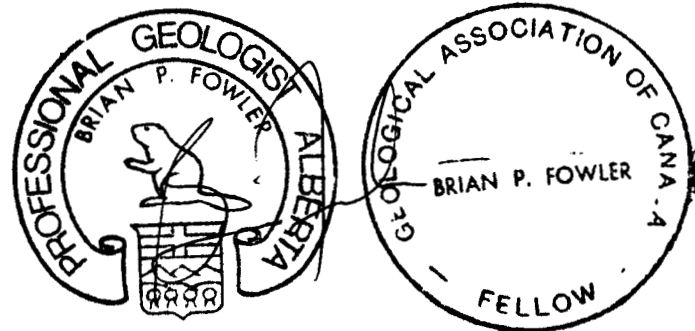
Templeman-Kluit, D.J., 1989, Geological Map with mineral occurrences, fossil localities, radiometric ages and gravity field for Penticton Map Area (NTS 82E), Southern British Columbia; G.S.C. Open File 1969.

STATEMENT OF QUALIFICATIONS

I, Brian P. Fowler, do hereby certify that:

1. I am a practising Mining Geologist and my address is 105 - Shannon Crescent S.W., Calgary, Alberta T2Y 2T7.
2. I am a 1981 graduate in Geology from the University of Alberta, and have engaged in practising my profession on a full time basis for 9 years.
3. I am a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta and a Fellow of the Geological Association of Canada.
4. This report is based on my personal participation in and supervision of the 1989 Power Project, and various public and private reports made available to the author by Yukon Minerals Corporation.
5. I have no interest direct or indirect in the properties of Yukon Minerals Corporation or in any companies with contiguous property to the Power Project claim area.

Brian P. Fowler, P.Geol., FGAC



COST STATEMENTPhase I:

Geological mapping, geological prospecting, grid + linework,
geochemical and sampling program:

Chief Geologist	19.5	days @ \$300.00/day	\$ 5,850.00
Geologist	22	days @ \$150.00/day	3,300.00
Consultant	2.5	days @ \$300.00/day	750.00
Prospectors	66	mandays @ \$200.00/day	13,200.00
Linecutters+gridworkers	31.5	mandays @ \$200.00/day	6,300.00
Expediting			225.00
Assays and thin sections			888.90
Mob - demob			1,858.35
Room & board			2,841.15
Truck rental			2,416.67
Fuel and oil			626.21
Equipment rental (ATV, chainsaws, radios)			1,000.00
Access, CAT 966 loader			778.00
Communications			334.96
Field and geological supplies			2,194.71
General Supplies			584.57
Freight			<u>369.18</u>
TOTAL THIS PHASE			\$43,617.70

Geophysical Program:

Contractor incl report			\$4,072.00
Mob - demob			462.60
Chief Geologist	3	days @ \$300.00/day	<u>900.00</u>
TOTAL THIS PHASE			\$5,434.60

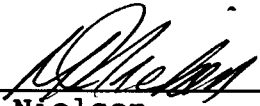
Cost Statement con't

Diamond Drill Program:

Drill contractor	812 feet @ \$18.00\foot	\$14,616.00
Chief geologist	16 days @ \$300.00/day	4,800.00
Core splitting + handling + storage	13.5 mandays @ \$200.00/day	2,700.00
Site location, access timber cutt.+reclamation	19.5 mandays @ \$200.00/day	3,900.00
Mob - demob		2,193.60
Room & board		1,478.72
Truck rental		1,350.00
Fuel and oil		214.70
Equipment rental (ATV, chainsaws, radioes)		700.00
Core boxes and lids		313.00
Assays		452.25
Field supplies		163.70
Freight		252.00
Expediting		<u>\$ 1,350.00</u>
TOTAL DRILLING PROGRAM		<u>\$34,483.97</u>

TOTAL 1989 EXPLORATION PROGRAM \$83,536.27

The above Cost Statement is, to the best of my knowledge, correct as presented:



 Michael Nielsen
 General Manager
 Yukon Minerals Corporation

APPENDIX I

PETROGRAPHIC DESCRIPTIONS

PETROGRAPHIC DESCRIPTION

Project: Yukon Minerals Corporation, Allendale Project

SAMPLE NO: 1

Description by: Paul Ramaekers

PETROGRAPHIC NAME: Syenite, close to monzonite compositional boundary

DESCRIPTION: Coarse grained nepheline(?) syenite to monzonite originally. Intense potassium alteration resulting in replacement of most albite by orthoclase accompanied by the introduction of minor freibergite. Later fracturing was associated with the introduction of major bornite.

LITHOLOGIC UNIT: Coryell Stock of Early Tertiary Age

MAX. GRAIN SIZE (MM) in sample: 15

HYDROTHERMAL ALT: 1) Fracturing accompanied by intense alteration:

- a) Potassic alteration consisting of orthoclase replacement of albite along fronts marked by patch to rod perthite
- b) Apatite
- c) Freibergite forming in altered feldspars and apatite

2) More fracturing and some faulting accompanied by:

- a) lamellar biotite forming in and adjacent to fractures, and associated with
- b) bornite

3) Late hydrothermal alteration or weathering alteration:

- a) sericitization of feldspar

4) Last recognizable phase of fracturing with:

- a) malachite in fractures
- b) minor calcite in fractures

WEATHERING: Sericitic alteration of feldspars especially the albite

Malachite and calcite alteration may be part of weathering along glaciation induced fractures:

PRIMARY MINERALS

PRIMARY MINERALS	PERCENT	SIZE	COMMENTS
		mm	
QUARTZ	0.0		
ALBITE	20	5	Largely altered to sericite; some replaced by K-spar along block perthitic fronts; some as inclusions in nepheline. Finely twinned. The few determinations of Ab-An content that were possible indicate a composition close to the albite-oligoclase boundary.
MICROCLINE	5	5	Sericitized, twins very regular, not spindly; possibly albite with pericline twin
NEPHELINE?	5	4	Intergrown with and around albite; uniaxial negative, part of this may be apatite oriented so as to show low relief.
BIOTITE	0.5	0.2	Books with moderate pleochroism in browns
MAGNETITE + ILM			None seen, sample not magnetic, although some samples are magnetic.

SECONDARY MINERALS

ALBITE?	5	1	Untwinned, about as clear as the other feldspar, biaxial positive, moderate 2V
ORTHOCLASE	35	15	Most is in part perthitic and replacing albite.
BIOTITE	3	1	Strongly pleochroic in brown and green-browns; as thin fissure fillings in fractures with bornite
ILLITE fine grain	5	0.01	Present only as sericite; confined largely to altered albite
MALACHITE	5	-	Cryptocrystalline; no pleochroism
APATITE	15	3	Hexagonal equidimensional grains, R.I. > 1.54; relief moderate
HEMATITE	tr	0.003	Small flakes in feldspars, possibly primary
CALCITE	tr	-	Not seen, but the sample effervesces strongly in dilute HCl in a few fractures

BORNITE	7		BLEBS!	In blebs up to 10 mm in fractures associated with biotite
FREIBERGITE	0.01	0.1		In anhedral grains disseminated in orthoclase, late albite?, apatite, and some in fractures
PORE SPACE	0			

DISCUSSION

The thin section shows that the rock originally was a typical albite-microcline syenite, perhaps slightly quartz deficient, if the identification of nepheline is correct. The plagioclase shows an index of about An 10-13, on the only determination possible. This indicates that the composition is close to that of a monzonite.

The rock was extensively altered, during two fracturing phases. The oldest alteration consists of healed fractures accompanied by largescale potassium alteration of the albite to orthoclase. Fractures in the newly formed orthoclase are sealed by younger orthoclase. Apatite was introduced at this time or slightly later.

Small specks of freibergite can be found in the orthoclase and apatite, away from the later brittle fracturing; thus, it was probably introduced with the orthoclase and the apatite.

Later brittle fracturing is extensive. Along the fractures is evidence of further potassium alteration in the form of lamellar biotite. This can be distinguished by its from the primary biotite by its location along the fractures and its lamellar shape, unlike that of the early biotite found only as very small books.

Also along these late fractures is bornite in blebs and stringers. It is homogenous, showing no sign of intergrowths with other sulphides (in this section).

Sericitization of the feldspar may be due in part to late hydrothermal alteration and perhaps also to weathering alteration.

Extensive later fracturing may be due to glaciation or the processes that led to the unroofing of the stock. Very fine grained malachite and calcite are present along these, suggesting that this occurred near the surface and probably as part of the weathering.

The simple mineralogy of the copper minerals indicates that the supergene zone of enrichment is no longer present; it was probably removed by glacial erosion.

The alteration pattern shown in this slide is typical of porphyry copper deposits.

PETROGRAPHIC DESCRIPTION

Project: Yukon Minerals Corporation, Power Project

Northing: 8+60

Easting: 1+90

SAMPLE NO: A-1739-2

Elevation:

PETROGRAPHIC NAME: Altered Syenite

DESCRIPTION: Grey, possibly porphyritic syenite; euhedral sanidine and a few oligoclase crystals are present in a strongly altered fine-grained groundmass composed of feldspars, illite, calcite and probably chlorites and epidote group minerals.

Patches of matrix with similar optical orientation suggest that the altered material may have been of similar size to the euhedral large sanidine.

LITHOLOGIC UNIT: Coryell Stock

MAX. CRYSTAL SIZE (MM) in sample: 2

HYDROTHERMAL ALT: (1) Biotite may be an alteration product, but the slide is too altered to establish this.

(2) Calcite is present as fine grained material replacing randomly oriented sheet-like crystals, possibly apatite or perhaps sphene. It is also present as irregular patches in the matrix and as remnants or replacements within the sanidine, possibly as a replacement of plagioclase perthitic inclusions.

Illite is present as fine grained material after biotite and within the matrix without a readily identifiable precursor.

FRACTURING: None seen.

PRIMARY MINERALS PERCENT SIZE COMMENTS

PRIMARY MINERALS	PERCENT	SIZE	COMMENTS
OLIGOCLASE coarse	0.5	1-2	A few of the large crystals show some polysynthetic twins. These are optically positive and are plagioclase, in the albite to oligoclase composition range.
SANIDINE fine	15+?	0.5-2	Fine grained bladed material, possibly sanidine or oligoclase.
SANIDINE coarse	7	0.5-2	Euhedral, clear, carlsbad twins, voids and calcite inclusions after perthite.
BIOTITE	0.2	0.125	Thin sheafs, green, and pleochroic. Possibly secondary.
MAGNETITE + ILM	1.5	0.1	Euhedral, at times with minor limonitic alteration.
ZIRCON+XENO+MONA	tr	0.05	
RUTILE + Ti Oxides	tr		After magnetite

SECONDARY MINERALS

Fine grained mat.	70	to .03	Groundmass of inclusion filled material of greenish high-relief particles (some of which may be epidote and zoisite), low relief length-fast bladed material (possibly plagioclase) and low relief very low birefringent length-fast material (chlorites?). Blocks of material of 0.5-2 mm with irregular edges have the same elongation, suggesting that they may be alteration after a coarser grained precursor.
ILLITE	2	0.03	Sheeted length-slow with first order birefringence
HEMATITE	tr		Stain on weathered surface
LIMONITE	tr		After magnetite
CALCITE	2.0	0.05-1	After equigranular and lath (0.05x2) shaped precursors (apatite?); as irregular masses in the matrix, and in K-spar.
PYRITE			
CHALCOPYRITE			
APATITE			Precursor to some calcite possibly.
PORE SPACE	1.0	0.01	Largely in K-spar and calcite

PETROGRAPHIC DESCRIPTION

Project: Yukon Minerals Corporation, Power Project

Northing: 8+60

Easting: 1+95

SAMPLE NO: A-1939-1

Elevation:

PETROGRAPHIC NAME: Mineralized Syenite

DESCRIPTION: Grey, finely crystalline, weakly porphyritic syenite composed largely of orthoclase and oligoclase.

LITHOLOGIC UNIT: Coryell Stock

MAX. CRYSTAL SIZE (MM) in sample: 2

HYDROTHERMAL ALT: (1) Tetrahedrite introduced, possibly along now altered veins.
 (2) Apatite, biotite, chlorite? pyrite and chalcopyrite along a different set of fractures.
 (3) Argillic alteration of feldspar, especially plagioclase.

FRACTURING: (1) Possibly an early set along which the tetrahedrite was introduced.
 (2) Fracturing containing pyrite and chlorite? as fillings and associated with masses of biotite, apatite, pyrite and chalcopyrite.

PRIMARY MINERALS PERCENT SIZE COMMENTS

PRIMARY MINERALS	PERCENT	SIZE	COMMENTS
OLIGOCLASE	15	0.2	
ORTHOCLASE coarse	2	2	
ORTHOCLASE fine	70	0.15	
BIOTITE	tr?	0.1-1	Most biotite is secondary
MUSCOVITE	tr	0.1	
APATITE	tr	0.003	Thin acicular crystals in bundles
MAGNETITE + ILM			
ZIRCON+XENO+MONA	tr	0.02	
RUTILE + Ti Oxides			

SECONDARY MINERALS

ILLITE fine grain	1	.003-.1	Feldspar alteration.
LIMONITE	tr		Stain around weathered surfaces
BIOTITE	0.5	0.1-1	Associated with pyrite in thin laminae forming between feldspars.
PYRITE	8	.05-1	Largely in equidimensional masses connected by thin (0.01 mm) veinlets. Possibly zoned with a poorly reflective opaque mineral. Concentric zonation may be due to poor section.
CHALCOPYRITE	0.2	.05-.5	Disseminated, generally with pyrite.
TETRAHEDRITE	0.2	.05-.5	Disseminated masses cut by pyrite vein.
APATITE	2	0.15	Equidimensional grains with high relief and low birefringence between feldspars;
CHLORITE?	0.1	0.05	Green, non pleochroic material in thin fracture fillings, at times with pyrite, apatite and biotite; probably an alteration product after biotite.
PORE SPACE	-		Much apparent porosity due to slide preparation.

SIGNIFICANCE OF SAMPLES A-1739-1 and A-1739-2

Samples 1 and 2 were found close together at the surface; the mineralized sample 1 was the only one in place. The composition of the oligoclase suggests that they were not part of the same intrusive body. The plagioclase of sample 2 is more albitic than that of sample 1 in so far as the limited amount of plagioclase permits accurate determinations. Sample 2 has sanidine K-spar and was formed in a higher temperature environment than the orthoclase rich mineralized sample 1.

Much of the intense alteration of sample 2 may be due to near surface weathering. This obscures most of the earlier alteration history. The sample has patches of matrix material that show similar optical orientation are of the same size as the relatively unaltered larger crystals. This may indicate that originally the rock was an equigranular syenite rather than the porphyry that it seems to be at first glance.

Sample 1 shows a definite grain-size contrast between a few large (2 mm) orthoclase grains and a matrix of finely crystalline feldspars. Thus, while it is not obviously porphyritic, there are definitely two generations of minerals present. In this respect it is similar to the mineralized sample examined previously.

Sample 1 may have undergone some potassic alteration involving alteration of the plagioclase to orthoclase in addition to the biotite alteration that is obvious; however, evidence for this is not definite.

The mineralized sample 1 thus shows several of the characteristics of porphyry copper mineralization: potassic alteration, multiple fracturing, and multiple introduction of sulphides, involving tetrahedrite, chalcopyrite and pyrite.

Paul Ramacher Ph.D.

Sept 26 '39

APPENDIX II

DIAMOND DRILL LOGS

YUKON MINERALS CORPORATION

DDH 89-2

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 2 of 3

DEPTH(metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
0.00	4.27	CASING - 0.60 m SYENITE - Broken core. Overburden 0-3.67 m.									
4.27	12.19	BIOTITE SYENITE Coarse grained, with zoned orthoclase phenocrysts ranging in size from 0.25-1.0 cm. Intersertal biotite (10%) occurs along phenocryst boundaries and lesser along fractures. 5-8% disseminated magnetite - occurring with biotite. Moderately fractured with pronounced stretched fabric parallel to core axis. Blocky core, breaks along chloritic fractures. Slightly bleached interval. 5 cm fault breccia @ 65 degr. to core axis @ 6.10 m. 11 cm quartz - K-spar pegmatite @ 8.39 m. Upper contact sharp @ 70 degr. to core axis and lower contact @ 40 degr. to core axis. No associated alteration. Sharp, broken lower contact.									
12.19	16.30	MINERALIZED ZONE									
		12.19-13.41 m Fine grained, medium grey, blocky sulfide shear zone. Remnants of stretched feldspar phenocrysts floating in a fine groundmass of feldspar and biotite (10%) and chlorite. Pyrite occurs disseminated as irregular clots up to 1 cm and as fracture filling - hairline. Pyrite about 10% and chalcopyrite about 4% occurs in a similar fashion, increasing towards base. Overall shearfabric is @ 50 degr. to core axis.	80501 12.19-13.41	0.65	3.80	<5			1.22		100.0
		13.41-14.51 m Bleached, white coarse grained syenite as above, but with less biotite - 5-8%. Gives leached appearance. Zones of secondary, fracture controlled biotite. Weak chlorite alteration. Minor, <<1% fracture filled pyrite.	80502 13.41-14.51	0.007	<.1	<5			1.10		100.0

YUKON MINERALS CORPORATION

DDH 89-3

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 2 of 4

DEPTH (metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
0.00	1.22	CASING - OVERBURDEN									
1.22	8.05	COARSE GRAINED BIOTITE SYENITE Light grey, smoky in color. Anhedral, stretched phenocrysts of feldspar 0.5-3.0 cm in size. Intersertal biotite altering to chlorite (10-15%). Sheared fabric @ 30 degr. to core axis at top of interval, decreasing with depth. Modestly fractured - hairline. Breaks along clay/epidote rich fractures @ 55 degr. to core axis. Minor (5 cm) diffused feldspar/quartz pegmatite blows. Weakly magnetic throughout (5-8% magnetite). Pronounced slickensides.									
8.05	8.33	FAULT/SHEAR BRECCIA Dark grey fine groundmass (40%) with stretched phenocrysts of feldspar. Sharp, broken upper and lower contacts @ 50 and @ 65 degr. to core axis respectively.									
8.33	15.92	COARSE GRAINED BIOTITE SYENITE As between 1.22-8.05 m, but increasing propylitic vein/epidote alteration. Moderately fractured with minor secondary biotite. Slickensides - to core axis on well developed fracture faces @ 40 degr. to core axis.									
15.92	18.57	MINERALIZED ZONE Feldspar porphyry dyke (?) with inclusions of recrystallized syenite. May be sheared syenite as above, but some phenocrysts are not recrystallized. Chilled, dark grey, sulfide rich margins with strong shear fabric @ 60 degr. to core axis. Interval may be fault/shear zone of syenite, but phenocrysts do not appear to be preferentially oriented.	80505 15.92-18.57	0.19	0.90	<5			2.65		100.0

YUKON MINERALS CORPORATION

DDH 89-3

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 3 of 4

DEPTH (metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
		<p>Sharp upper and transitional lower contacts @ 60 degr. and 40 degr. to core axis respectively.</p> <p>Overall, 20% pyrite occurs as disseminated, clots up to 1 cm, and fracture filling. Minor (1%) fine disseminated chalcopyrite.</p> <p>Fractures contain fine, dark grey submetallic coatings up to 3 mm thick - soft.</p> <p>Matrix supported porphyry with feldspar phenocrysts, rounded, zoned in places, ranging from 0.1-1.0 cm.</p> <p>Up to 30% very fine biotite (secondary) and 3% fine masses of epidote in porphyry groundmass.</p>									
18.57	20.90	<p>TRANSITIONAL ZONE - POSSIBLE PORPHYRY ?</p> <p>White, creamy, recrystallized syenite. Can still make out coarse feldspar crystal boundaries in places. 5-10% secondary ff and blotchy biotite. Well fractured core, generally @ 35-45 degr. to core axis.</p> <p>Local vugs - solution cavities lined with fine biotite and feldspar. Minor (3%) disseminated pyrite. Chlorite +- grey submetallic clay (2 mm) on some better developed fracture faces.</p>	80506 18.57-20.90	0.12	<.1	<5			2.33		100.0
20.90	26.63	<p>RECRYSTALLIZED SYENITE/POTASSIC ALTERATION ZONE</p> <p>Homogenous, white, sugary feldspar (fine grained) with "welts" of fine grained secondary biotite - 20-25%. Biotite rims ghost feldspar crystals. Weakly magnetic - 3% fine magnetite.</p> <p>Weak epidote coating on fractures - no K-spar veining.</p> <p>Good coring. Moderately fractured, with minor calcite ff. Broken, transitional lower contact.</p>									
26.63	27.43	<p>PYRITE/MAGNETITE ZONE</p> <p>Broken, blocky pyritic recrystallized syenite.</p> <p>8-10% disseminated, ff, wispy fine pyrite in rock unit as above.</p> <p>10-15% fine blotches of magnetite.</p> <p>Sharp, broken lower contact.</p>	80507 26.63-27.43	0.061	0.30	<5			0.80		100.0

YUKON MINERALS CORPORATION

DDH 89-4

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 3 of 8

DEPTH (metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
		<p>Sharp upper and lower contacts @ 25 degr. and 30 degr. to core axis respectively.</p> <p>Cut by minor white feldspar veins, epidote filled hairline fractures, and feldspar/quartz pegmatite (2 cm) blows. Contains minor syenite (recrystallized) inclusions.</p>									
32.73	34.84	<p>COARSE GRAINED BIOTITE SYENITE</p> <p>As between 7.92-27.15 m, but slightly recrystallized and bleached in appearance. Minor diffused pink patches of feldspar. Feldspar crystal boundaries discernible only by intersertal biotite (10%). Sharp lower contact @ 35 degr. to core axis. Uppermost lower unit sheared parallel to contact.</p>									
34.84	36.58	<p>LAMPROPHYRE DYKE - MINETTE</p> <p>As between 28.98-32.73 m Weak gneissic fabric. Sharp, broken lower contact with minor ff pyrite in bottom 3 cm.</p>									
36.58	37.10	<p>POTASSIC ALTERATION ZONE</p> <p>Syenite as before, but intense secondary biotite development - up to 35%, with feldspar exhibiting good argillic (clay) alteration. Immediate foot-wall of dyke</p>									
37.10	39.82	<p>COARSE GRAINED SYENITE</p> <p>Moderately recrystallized, with occasional 10 cm wide feldspar/quartz pegmatite blows. Blocky core, with grey clay +/- fine disseminated pyrite ff. Well fractured, with patches of intense secondary biotite development. Fractures @ 30-50 degr. to core axis. Overall pyrite <1%. 5% fine clotted magnetite.</p>	80510 37.10-38.70	0.013	0.30	<5		1.60		100.0	
			80511 38.70-39.82	0.011	0.30	<5		1.12		100.0	

YUKON MINERALS CORPORATION

DDH 89-4

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 4 of 8

DEPTH (metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
39.82	41.48	QUARTZ/FELDSPAR PEGMATITE/POTASSIC ZONE <i>Intensely recrystallized syenite with altered/bleached felsic dykes (aphanitic) or recrystallized feldspar pegmatite. Intense argillic/clay alteration of feldspar - selective, with good secondary biotite development. Blocky core, well fractured, with epidote rich stringers and <1% pyrite ff. Transitional lower contact. <1% magnetite.</i>	80512 39.82-40.84	0.013	0.30	<5			1.02		100.0
			80513 40.84-41.48	0.007	<.1	<5			0.64		100.0
41.48	42.98	COARSE GRAINED BIOTITE SYENITE <i>As previous, relatively fresh, with patchy bleaching and secondary biotite. <1% pyrite ff. Magnetic throughout.</i>	80514 41.48-42.98	0.027	1.00	<5			1.50		100.0
42.98	50.93	RECRYSTALLIZED FELDSPAR/SYENITE PORPHYRY ? <i>White, light grey homogenous interval. Feldspar phenocrysts ghosts (3-10 mm) in a fine sugary white matrix - no quartz visible. Contains up to 8% clotted (up to 2 cm) and disseminated magnetite. 5% wispy secondary biotite. Well fractured, with 1% fine euhedral pyrite ff throughout. Chloritic partings/ff with occasional (<1%) clotted chalcopyrite ff - observed in 3 places in interval. Developing sheared fabric from 49.37 m towards base @ 25 degr. to core axis. Sharp lower contact @ 45 degr. to core axis.</i>	80515 42.98-44.80	0.005	<.1	<5			1.82		100.0
			80516 44.80-46.93	0.011	<.1	<5			2.13		100.0
			80517 46.93-49.37	0.013	<.1	<5			2.44		100.0
			80518 49.37-50.93	0.005	<.1	<5			1.56		100.0
50.93	62.87	POTASSIC/ARGILLIC ALTERATION/SULFIDE ZONE - SYENITE PORPHYRY ? - <i>Black and white, medium grained to porphyritic syenite. Up to 40% fine patchy clotted intersertal biotite. Selective argillization of feldspar phenocrysts and groundmass. Disseminated/clotted pyrite throughout, intimately associated with biotite. Probably 3% pyrite throughout. Lesser chalcopyrite, erratically distributed as clots and fracture fillings. Chalcopyrite about 0.5-1.0%. Weakly magnetic throughout - 3-5% clotted magnetite.</i>	80519 50.93-53.03	0.024	<.1	<5			2.10		100.0
			80520 53.03-56.08	0.039	0.20	<5			3.05		100.0
			80521 56.08-58.98	0.023	<.1	<5			2.70		100.0
			80522 58.98-60.80	0.009	<.1	<5			1.82		100.0

YUKON MINERALS CORPORATION

DDH 89-4

PROPERTY

POWER PROJECT

DIAMOND DRILL LOG

Page 5 of 8

DEPTH(metres)		DESCRIPTION	SAMPLE No. INTERVAL	Cu %	Ag ppm	Au ppb	RUN		RUN (m)	RECOV (m)	RECOV (%)
FROM	TO						FROM	TO			
		Good coring interval, weakly fractured, with weak chlorite alteration and calcite ff. Molybdenum clot observed with chalcopyrite @ 55.60 m.	80523 58.98-60.80	0.009	<.1	<5			2.07		100.0
62.87	71.04	COARSE GRAINED/PORPHYRITIC BIOTITE SYENITE As above, with much less clay alteration and noticeable lack of sulfides. Very transitional upper contact. Apperant increase in magnetite content. Trace clotted/ff pyrite <1% and chalcopyrite <<1%.	80524 62.87-65.23	0.005	<.1	<5			2.36		100.0
			80525 65.23-68.27	0.006	<.1	<5			3.04		100.0
71.04	76.15	POTASSIC/ARGILLIC/SULFIDIC SYENITE PORPHYRY As between 50.93-62.87 m. About 1-2% clotted, disseminated pyrite, with trace of chalcopyrite. Not as rich as upper interval. Contains thin, pyritic breccia @ 77.29 m (5 cm) 60 degr. to core axis. Contains quartz/feldspar pegmatite between 74.25-74.61 m. Sheared, sharp upper contact @ 27 degr. to core axis and sharp lower contact @ 60 degr. to core axis. Syenite porphyry with transitional lower contact with coarse grained biotite syenite.	80526 68.27-71.04	0.004	<.1	<5			2.77		100.0
			80527 71.04-72.24	0.028	0.10	<5			1.20		100.0
			80528 72.24-74.37	0.004	0.10	<5			2.13		100.0
			80529 74.37-76.15	0.010	<.1	<5			1.78		100.0
76.15	78.54	QUARTZ/FELDSPAR PEGMATITE 0.6 m pegmatite core with recrystallized syenite hanging-wall and 0.2 m porphyritic foot-wall. Wallrock exhibits good clay alteration and secondary biotite, about 10%. Large - up to 1.5 cm - magnetite with hematite stained, rimmed rosettes in pegmatite. 2% pyrite ff in wallrock. Biotite fabric @ 25 degr. to core axis. Sharp contacts @ 60 degr. to core axis.	80530 76.15-78.54	0.003	<.1	<5			2.39		100.0
78.54	80.36	PYRITIC SYENITE PORPHYRY As between 71.04-76.15 m. 8 cm clay fault gauge at upper contact @ 45 degr. to core axis.	80531 78.54-80.36	0.015	0.30	<5			1.82		100.0

APPENDIX III

ASSAY CERTIFICATES

To: YUKON MINERALS CORPORATION,

522, 625 Howe Street,

Vancouver, B.C. V6C 2T6

ATTN: Mike Nielsen

cc: B. Fowler - Calgary

File No. 32432

Date May 30, 1989

Samples Rock

PROJECT: "O.K."



Certificate of Assay LORING LABORATORIES LTD.

Page # 1

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER	% Cu	OZ./TON PLATINUM	OZ./TON PALLADIUM
"Assay Analysis"					
ROAD SHOW GRAB 81257	-	-	1.54	<0.001	<0.001
ROAD SHOW (SOUTH) GRAB 81258	-	-	.09	<0.001	<0.001
XENOLITH GRAB 81259	-	2.24	3.56	<0.001	<0.001
XENOLITH GRAB 81260	-	-	1.57	<0.001	<0.001
XENOLITH GRAB 81261	-	-	.18	<0.001	<0.001
GRAB 81262	-	-	.19	<0.001	<0.001
SPECIM SHOW GRAB 81263	.062	4.56	10.75	<0.001	0.015

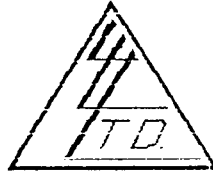
I Hereby Certify that the above results are those
assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

To: YUKON MINERALS CORPORATION,
522, 625 Howe Street,
Vancouver, B.C. V6C 2T6
ATTN: Mike Nielsen
cc: B. Fowler - Calgary

File No. 32432
Date May 30, 1989
Samples Rock
PROJECT: "O.K."



Certificate of Assay LORING LABORATORIES LTD.

Page # 2

SAMPLE NO.

PPB
GOLD

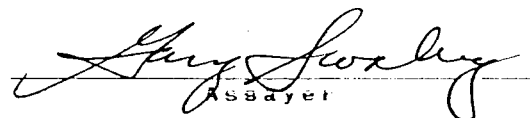
PPM
SILVER

Geochemical Analysis

81257	95	8.3
81258	15	3.0
81259	100	+30.0
81260	NIL	22.2
81261	NIL	1.5
81262	10	2.8
81263	+1000	+30.0

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

To: YUKON MINERALS CORPORATION,
522, 625 Howe Street,
Vancouver, B.C. V6C 2T6
ATTN: Mike Nielsen
cc: B. Fowler - Calgary

File No. 32456
Date May 30, 1989
Samples Rock



Certificate of Assay LORING LABORATORIES LTD.

Page # 1

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER	% Cu	OZ./TON PLATINUM	OZ./TON PALLADIUM
------------	-----------------	-------------------	---------	---------------------	----------------------

"Assay Analysis"

1 ROCK	.128	5.25	13.77	.048	.015
--------	------	------	-------	------	------

I Hereby Certify that the above results are those
assays made by me upon the herein described samples....

Objects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: MAY 18 1989

DATE REPORT MAILED: *May 25/89*SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

LORING LABORATORIES LTD. PROJECT 32432 File # 89-1126

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
81257	4	14751 ✓	43	220	6.9	61	27	155	6.50	4	5	ND	2	82	1	2	2	58	.62	.205	38	107	.33	15	.09	2	1.26	.04	.50	1
81258	19	836	30	26	3.2	8	9	37	14.82	94	32	ND	31	102	1	8	2	47	.12	.040	100	53	.10	162	.13	2	.76	.03	.24	1
81259	3	34770 ✓	197	47	73.0 ✓	52	14	143	2.81	2	5	ND	30	121	1	2	2	21	1.33	.424	154	51	.36	78	.08	2	.64	.06	.29	1
81260	2	15414 ✓	43	46	22.5	38	11	163	2.29	2	5	ND	18	151	1	2	2	55	.76	.301	102	71	.49	324	.15	3	.67	.07	.53	1
81261	4	1808	22	38	1.2	54	38	130	5.41	2	5	ND	16	105	1	2	2	36	1.12	.350	84	82	.29	22	.10	3	.44	.07	.24	1
81262	6	1963	26	66	1.2	44	59	167	7.10	5	5	ND	23	164	1	2	13	49	1.42	.477	135	81	.24	24	.09	9	.73	.07	.27	1
81263	3	94516 ✓	67	17	145.1 ✓	19	4	269	1.81	15	62	8	214	317	1	6	69	24	14.21	5.038	1651	25	.11	71	.04	2	.97	.32	.54	1

✓
 - ASSAY REQUIRED FOR CORRECT RESULT -

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** GEOCHEM REPORT **

To: Yukon Minerals Ltd.
522-625 Howe St.,
Vancouver, B.C.
V6C 2T6

Number: G 2224

Date: Nov 10, 1989

Attn: Mike Neilsen

Proj.:

No.	Description	Au ppb	Ag ppm	Cu percent	Cu %
1	80501	<5	3.8	>.40	0.65
2	80502	<5	<.1	.007	
3	80503	<5	.6	.20	
4	80504	<5	.9	.15	
5	80505	<5	.9	.19	
6	80506	<5	<.1	.012	
7	80507	<5	.3	.061	
8	80508	<5	1.5	.24	
9	80509	<5	.8	.071	
10	80510	<5	.3	.013	
11	80511	<5	.3	.011	
12	80512	<5	.3	.013	
13	80513	<5	<.1	.007	
14	80514	<5	1.0	.027	
15	80515	<5	<.1	.005	
16	80516	<5	<.1	.011	
17	80517	<5	<.1	.013	
18	80518	<5	<.1	.005	
19	80519	<5	<.1	.024	
20	80520	<5	.2	.039	
21	80521	<5	<.1	.023	
22	80522	<5	<.1	.009	
23	80523	<5	<.1	.013	
24	80524	30	<.1	.005	
25	80525	<5	<.1	.006	
26	80526	<5	<.1	.004	
27	80527	<5	.1	.028	
28	80528	<5	.1	.004	
29	80529	<5	<.1	.010	
30	80530	<5	<.1	.003	
31	80531	<5	.3	.015	
32	80532	<5	<.1	<.001	
33	80533	<5	.3	.007	
34	80534	<5	.9	.032	
35	80535	<5	1.8	.054	

DIAMOND DRILL CORE

Bondar-Clegg & Company Ltd.
Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667



Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: 489-06091.0

DATE PRINTED: 5-OCT-89

PROJECT: P08ER

PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	NI PPM	Cr PPM	Au PPB	Ag PPM	Cu PPM
S1 LION 6+00N					0.2	52
S1 LION 5+50N					0.2	164
S1 LION 5+00N					0.4	281
S1 LION 4+50N					0.1	69
S1 LION 4+00N					0.3	55

} SOIL SAMPLES

R2 66208				19	2.5	121	→ ROAD SHOW - WEST WALL GRAB Pegmatite wall rock - biotite alteration zone. & L 14N 4+00W Massive diorite (?) Float L 14N 4+00W
R2 80955							
R2 80956		168	200				
R2 80957		194	56				

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 V7P 2R5
 (604) 985-0681 Telex 04-352667



Geochemical
 Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06019.0 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: M. NIELSON
 DATE PRINTED: 3-OCT-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Pt	6	10 PPB	FIRF-ASSAY	
2	Pd	6	1 PPB	FIRE-ASSAY	
3	Au	6	1 PPB	FIRF-ASSAY	
4	Cu	24	1 PPM	HN03-HCL HOT EXTR	Atomic Absorption
5	Ni	6	2 PPM	HN03-HCL HOT EXTR	Atomic Absorption
6	Cr	6	2 PPM		X-Ray Fluorescence
7	Ag	18	0.1 PPM	HN03-HCL HOT EXTR	Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	18	1 -80	18	DRY, SIEVE -80	18
R ROCK OR BED ROCK	6	2 -150	6	CRUSH, PUI VFRIZF -150	5

REMARKS: Assay of high Cu to follow on V89-06019.6

REPORT COPIES TO: YUKON MINERALS CORP.

INVOICE TO: YUKON MINERALS CORP.

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 3-OCT-89

REPORT: V89-06019.0

PROJECT: POWER

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPR	Au PPB	Cu PPM	Ni PPM	Cr PPM	Ag PPM
S1 L5N B/L					49			0.2
S1 L5N 0+50F					205			0.7
S1 L5N 1+00E					24			0.1
S1 L5N 1+50F					4			0.1
S1 L5N 2+00E					24			0.2
S1 L5N 2+50F					56			0.1
S1 L5N 3+00E					108			0.3
S1 L5N 3+50F					132			0.5
S1 L5N 4+00E					9			0.2
S1 L4N B/I					30			0.1
S1 L4N 0+50E					30			0.2
S1 L4N 1+00F					6			0.1
S1 L4N 1+50E					17			0.6
S1 L4N 2+00F					57			0.7
S1 L4N 2+50E					13			0.5
S1 L4N 3+00E					14			0.3
S1 L4N 3+50E					7			0.3
S1 L4N 4+00F					8			0.2
R2 66202		<15	2	85	>20000	53	57	
R2 66203		<15	45	5	9010	9	65	
R2 66204		15	20	68	12500	146	57	
R2 66205		15	30	22	4270	176	57	
R2 66206		<15	30	99	11630	150	87	
R2 66207		<15	30	24	6250	299	<2	

SOIL SAMPLES

ROAD SHOW GRAB SAMPLES
 M. Nielsen

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: U89-06091.0 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: M. NIELSON
 DATE PRINTED: 8-OCT-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag Silver	2	0.2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
2	As Arsenic	2	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
3	Ba Barium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
4	Be Beryllium	2	0.5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
5	Bi Bismuth	2	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
6	Cd Cadmium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
7	Ce Cerium	2	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
8	Co Cobalt	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
9	Cr Chromium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
10	Cu Copper	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
11	Ga Gallium	2	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
12	La Lanthanum	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
13	Li Lithium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
14	Mo Molybdenum	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
15	Nb Niobium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
16	Ni Nickel	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
17	Pb Lead	2	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
18	Rb Rubidium	2	20 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
19	Sb Antimony	2	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
20	Sc Scandium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
21	Sn Tin	2	20 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
22	Sr Strontium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
23	Ta Tantalum	2	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
24	Te Tellurium	2	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
25	V Vanadium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
26	W Tungsten	2	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
27	Y Yttrium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
28	Zn Zinc	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
29	Zr Zirconium	2	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
30	Pt Platinum	2	10 PPB	FIRE-ASSAY	
31	Pd Palladium	2	1 PPB	FIRE-ASSAY	
32	Au Gold - Fire Assay	2	1 PPB	FIRE-ASSAY	
33	Cu Copper	2	1 PPM	HN03-HCL HOT EXTR	Atomic Absorption
34	Ni Nickel	2	2 PPM	HN03-HCL HOT EXTR	Atomic Absorption
35	Cr Chromium	2	2 PPM		X-Ray Fluorescence
36	Au Gold - Fire Assay	1	5 PPB	FIRE-ASSAY	Fire Assay AA
37	Ag Silver	6	0.1 PPM	HN03-HCL HOT EXTR	Atomic Absorption

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 8-OCT-89

REPORT: V89-06091.0

PROJECT: POWER

PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	Pt PPB	Pd PPB	Au PPB
S1 L10N 6+00W											
S1 L10N 5+50W											
S1 L10N 5+00W											
S1 L10N 4+50W											
S1 L10N 4+00W											
R2 66208		<10	<10	19	<10	8	50	11			
R2 80955											
R2 80956		16	15	123	<10	13	97	2	<15	6	<5
R2 80957									20	5	<5

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 P 2R5
 (604) 985-0681 Telex 04-352667

BC
BONDAR-CLEGG

SEP 27 1989
 15055751

**Certificate
 of Analysis**

REPORT: V89-06019.4 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: M. NIELSON
 DATE PRINTED: 15-SEP-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	4	0.002 OPT		Fire Assay
2	Ag Silver	5	0.02 OPT		Fire Assay
3	Cu Copper	4	0.01 PCT		Atomic Absorption
4	Pb Lead	1	0.01 PCT		Atomic Absorption
5	Zn Zinc	1	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	5	2 -150	5	ASSAY PREP	5

REPORT COPIES TO: YUKON MINERALS CORP.

INVOICE TO: YUKON MINERALS CORP.

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Certificate
 of Analysis

REPORT: V89-06019.4

DATE PRINTED: 15-SEP-89
 PROJECT: POWER PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT	Pb PCT	Zn PCT
R2 37525			57.08		74.56	1.70
R2 80951		<0.002	2.29	3.72	→	XENDLITH ZONE - L13+30N, 0435E
R2 80952		<0.002	0.10	0.72	→	ROAD SHOW GRAB
R2 80953		<0.002	0.05	0.06	→	ANTLER ZONE GRAB
R2 80954		<0.002	0.03	0.06	→	TESSA ZONE GRAB


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Geochemical
 Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06170.D (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: M. NIELSON
 DATE PRINTED: 25-SEP-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	2	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	1	0.2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	1	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	1	0.5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	1	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	1	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	1	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	1	2 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	1	20 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	1	5 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	1	20 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	1	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	1	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	1	10 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	1	1 PPM	HN03-HCL HOT EXTR	Ind. Coupled Plasma
31	Ag	Silver	1	0.1 PPM	HN03-HCL HOT EXTR	Atomic Absorption
32	Cu	Copper	1	1 PPM	HN03-HCL HOT EXTR	Atomic Absorption

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Geochemical Lab Report

A DIVISION OF INDIANPE INSPECTION & TESTING SERVICES

REPORT: V89-06170.0 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
PROJECT: POWER

SUBMITTED BY: M. NIELSON
DATE PRINTED: 25-SEP-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	2	2 -150	2	CRUSH,PULVERIZE -150	2
				BATCH SURCHARGE	1

REMARKS: ASSAY OF HIGH AG, ⁶⁰ TO FOLLOW ON
V89-06170.6

REPORT COPIES TO: YUKON MINERALS CORP.

INVOICE TO: YUKON MINERALS CORP.

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06170.0

DATE PRINTED: 25-SEP-89

PROJECT: POWER

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 66209		606										
R2 66210		780	5.1	75	5	<0.5	<2	<1	<5	96	80	781
<i>Mineralized float - Fox 1 claim - submitted by Bill Preston location unknown</i>												

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06170.0

DATE PRINTED: 25-SEP-89

PROJECT: POWER

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 66209												
R2 66210		<2	<1	2	17	<1	223	<2	114	<5	<1	<20

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06170.6 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: M. NIELSON
 DATE PRINTED: 29-SEP-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag Silver	1	0.02 OPT	HF-HNO3-HClO4-HCl	Atomic Absorption
2	Cu Copper	1	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	1	2 -150	1	AS RECEIVED, NO SP	1

REPORT COPIES TO: YUKON MINERALS CORP.

INVOICE TO: YUKON MINERALS CORP.

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REPORT: V89-06170.6

DATE PRINTED: 29 SEP 89

PROJECT: POWER

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT
------------------	------------------	-----------	-----------

R2 66209

3.65

3.97

→ Float - Fox A claim. Submitted by Bill Preston

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05279.4 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: UNKNOWN
 DATE PRINTED: 17-AUG-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	1	0.0002 OPT		Fire Assay
2	Ag Silver	1	0.002 OPT		Fire Assay
3	Cu Copper	1	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK OR BED ROCK	1	-150	1	ASSAY PREP	1

REPORT COPIES TO: MR. MIKE NEILSEN

INVOICE TO: MR. MIKE NEILSEN

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 17-AUG-89

REPORT: V89-115279.4

PROJECT: POWIR

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCI	
R2 66201		<0.002	0.07	0.44	→ ROAD SHOW 2.65m channel sample

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05279.0 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
 PROJECT: POWER

SUBMITTED BY: UNKNOWN
 DATE PRINTED: 22-AUG-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag Silver	1	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
2	As Arsenic	1	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	Ba Barium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Be Beryllium	1	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Bi Bismuth	1	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Cd Cadmium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Ce Cerium	1	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Co Cobalt	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Cr Chromium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cu Copper	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Ga Gallium	1	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	La Lanthanum	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	Li Lithium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Mo Molybdenum	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Nb Niobium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Ni Nickel	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Pb Lead	1	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Rb Rubidium	1	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Sb Antimony	1	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sc Scandium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sn Tin	1	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sr Strontium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Ta Tantalum	1	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Tb Tellurium	1	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	V Vanadium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	W Tungsten	1	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	Y Yttrium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Zn Zinc	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zr Zirconium	1	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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North Vancouver, B.C.
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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89 05279.0 (COMPLETE)

REFERENCE INFO:

CLIENT: YUKON MINERALS CORP.
PROJECT: POWER

SUBMITTED BY: UNKNOWN
DATE PRINTED: 22-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS:	NUMBER
ROCK OR BED ROCK	1	2 -150	1	ASSAY PREP	1
				BATCH SURCHARGE	1

REPORT COPIES TO: MR. MIKE NEILSEN

INVOICE TO: MR. MIKE NEILSEN



A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89 05279.U

DATE PRINTED: 22 AUG 89

PROJECT: POWER

PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM	Ga PPM
K2 66201		1.6	<5	34	<0.5	<2	<1	58	69	63	3985	<2

→ ROAD SHOW - 2.65 m channel sample

10'00E

L-16N

6000

DDH#1

DDH#2

LX-01

DDH#4

DDH#3

LX-05

LYNX 1,2,3,4
I.P.

L-13N

AR-08

AR-11

AR-06

AR-03

AR-05

AR-04

AR-07

AR-09

AR-10

AR-02

AR-01

AR-12

AR-17

DDH#5

AR-16

LX-09

L-11N

L-10N

AR-27

L-10N(B)

AR-13

AR-14

CAM 1,2 F.P.

AR-15

LX-08

ROAD SHOW

2

L-8N

AR-20

AR-19

AR-18

AR-31

L-7N

AR-21

MOON 3,4 I.P.

AR-32

DICK 1-4
CLAIMS

L-6N

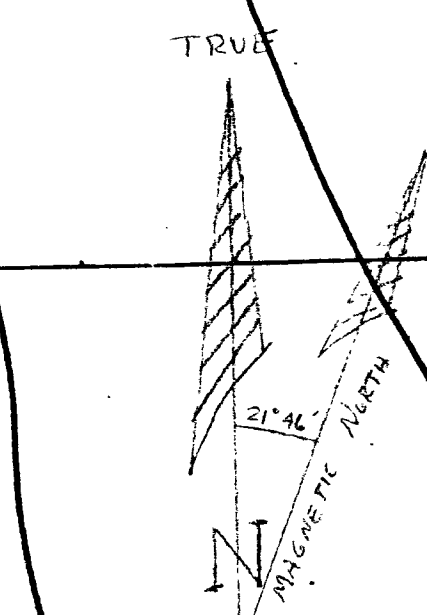
AR-22

5500

C

L-4N

L-3N



LEGEND

5000	TERRACE CONTOUR IN FEET (ASL)		SOIL ANOMALY - COPPER > 150 ppm
	CREEK		SOIL ANOMALY - SILVER > 7 ppm
	LAKE		I.P. ANOMALIES
	SWAMP		DEFINITE
	ROAD		PROBABLE
	CLAIM BOUNDARY		POSSIBLE
	GRID LINE WITH SAMPLE STATION		
	DDH DIAMOND DRILL HOLE		
	AR-17 X ROCK SAMPLE LOCATION		
	ZONE OF ERGATIC MAGNETIC RESPONSE		
	ZONE OF GENERAL MAGNETIC LOW		

YUKON MINERALS CORPORATION
 COMPILATION OF GEOCHEMICAL
 MAGNETIC & INDUCED POLARIZATION
 DATA
POWER PROJECT
 GUYLOS & GREENWOOD MINING DIVISION
 TECHNICAL DRAWN BY
 KEAR, DAWSON & ASSOCIATES, INC. FIGURE No. 4
 50 25 0 25 50 100 150 200
 ORIGINAL BY KEAR, DAWSON & ASSOCIATES
 GEOLOGICAL ASSESSMENT REPORT 12,290
 SCALE 1:2500