MAP NO.:	**ASSESSMENT REPORT** X	**DOCUMENT NO:**	092119
	PROSPECTUS	**MINING DISTRICT:**	WHITEHORSE
105 D 3	**CONFIDENTIAL** X	**TYPE OF WORK:**	GEOLOGY, DIAMOND DRILLIN
	OPEN FILE		

REPORT FILED UNDER: MineQuest Exploration Assoc. Ltd.

DATE PERFORMED: 11/03/85, 30/06/86, 25/07/86, 22/09/86 **DATE FILED:** March 30, 1988

LOCATION:	**LAT.:**	60°01'N	**AREA:** Partridge Lake
	LONG.:	135°13'W	**VALUE $:** 3,200.00

CLAIM NAME & NO.:
PART 1-27 YA86430-456
PART 28-35 YA95043-050
PART 36-46 YA95231-241
PART 48-50 YA96338-341

WORK DONE BY: A.W. Gourlay

WORK DONE FOR: Sirius Resource Corporation

DATE TO GOOD STANDING:

REMARKS: #91 PART
In 1988, one BQ was drilled totalling 349.3 m. The hole failed to encounter significant mineralization at depth.

Indian and Northern Affaires indiennes
Affaires Canada et du Nord Canada

RECEIVED MAR 30 88 REGIONAL GEOLOGY OFFICE

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS MAR 29 1988 WHITEHORSE YUKON TERRITORY

TRANSMITTAL FORM

M.R. file no. 340-13-2
R.M.M.R. file no.
Date forwarded 29 Mar 88

From ▶ Mining Recorder, Whitehorse

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

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☑ DIAMOND DRILL LOGS — Claims: PART 1-46, 48-50 YA86430-438 YA95049 — Claim sheet no.: 105-D-3
- ☐ QUARTZ ASSESSMENT REPORT — Claims: YA86443-445 YA95239-241 — Claim sheet no.

Type of report: Geology + D.D. — Submitted by: HINE QUEST

Cls. work performed on — $ req. for ren. application: $3200.00

Signature

092119

REPLY ACTION

Date returned: 7 April, 1988

Approved for amount required

092119

Signature

802-6027-26 (6-86)

MineQuest Report #190
Ref. No. RM4603

PART CLAIMS

FINAL REPORT

October and November, 1987

Partridge Lake

Southwest Yukon

Whitehorse Mining Division

N.T.S. 105D/3E

Latitude 60°01'N
Longitude 135°13'W

by

A.W. Gourlay

of

MineQuest Exploration Associates Ltd.

for

Sirius Resource Corporation

Work Performed on Claims:

Claims	Tag Numbers	Date Recorded
Part 1-27	YA86430 to 86456	Mar. 11, 1985
Part 28-35	YA95043 to 95050	June 30, 1986
Part 36-46	YA95231 to 95241	July 25, 1986
Part 48-50	YA96338 to 96341	Sept 22, 1986

Vancouver, B.C. 092119 January, 1988

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 3200.00 .

P. J. Brenner

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

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

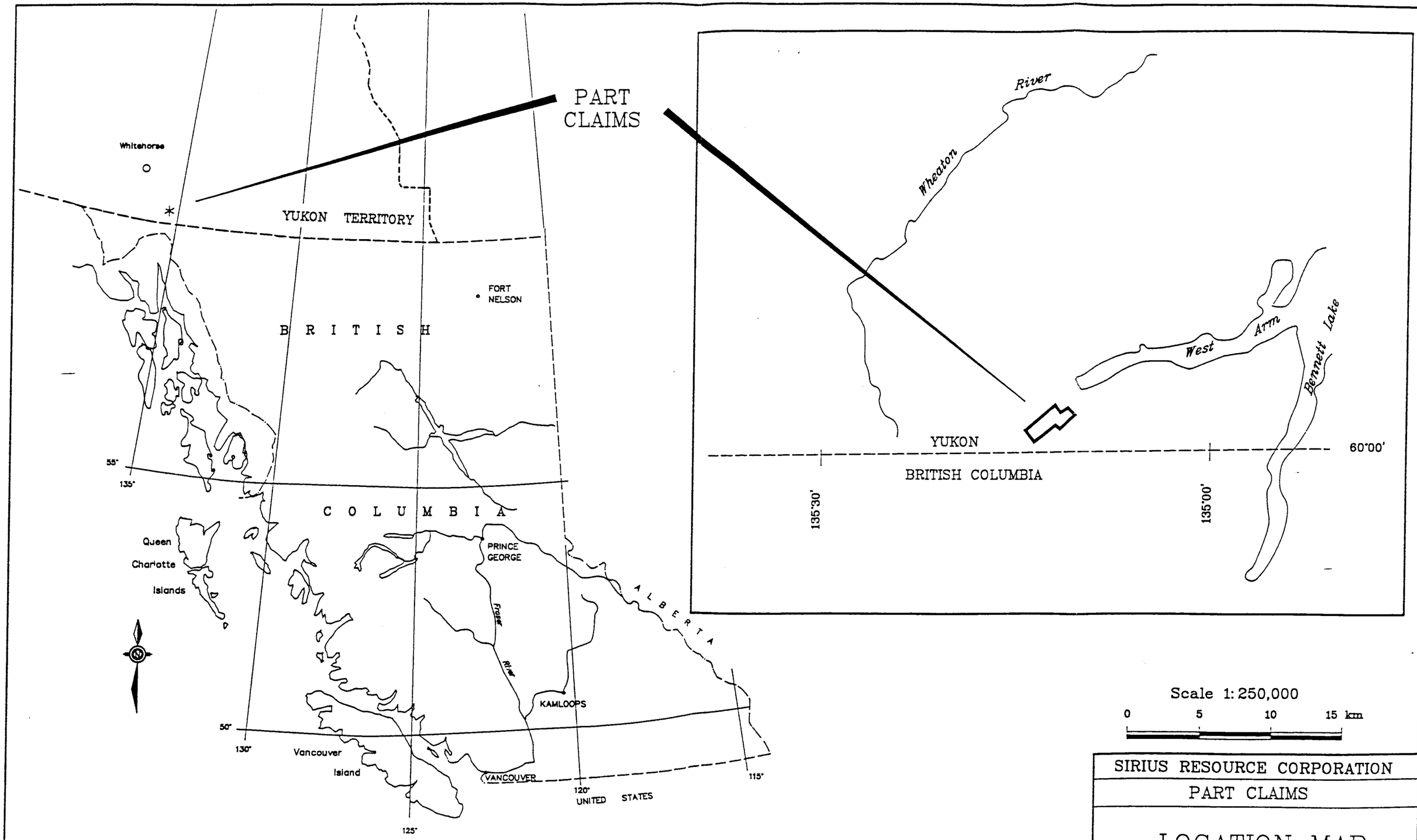
LIST OF APPENDICES

1.0 INTRODUCTION

The PART claims cover ground formerly staked in 1978 and drilled for uranium. At that time the precious metal potential of the claims was not thought to be high, uranium values were low, and the claims were dropped.

The ground was restaked for gold and silver in 1985 by L.O. Allen and R.J Bilquist in co-operation with MineQuest Exploration Associates Ltd. Preliminary sampling carried out during June 1985 returned values up to 1.69 oz/ton gold and 100.4 oz/ton silver. In February 1986 the claims were optioned to Eaglet Mines Ltd., for whom MineQuest Exploration Associates conducted a program of geological mapping, geochemistry, geophysical surveys, and diamond drilling.

In 1987 Sirius Resource Corporation assumed Eaglet Mines Ltd.'s obligations. This report describes a diamond drill program carried out during October and November, 1987.



SIRIUS RESOURCE CORPORATION

PART CLAIMS

LOCATION MAP

PLAN No. 879	DRAWN BY: GEO-COMP	DATE July'86	FIGURE 1
Originator: RVL		N.T.S. 105 D	

MINEQUEST EXPLORATION ASSOCIATES LTD.

Geo-Comp Drawing File: PRT/LOC July 30, 1986

2.0 LOCATION, ACCESS, TOPOGRAPHY

The claims cover ground straddling the Partridge River in southern Yukon some two kilometres north of the British Columbia boundary, and south-west of the West Arm of Bennett Lake (see Figure 1).

Although much of the ground on either side of the Partridge River valley is mountainous, the claims, which occupy the valley floor, cover subdued terrain.

During the fall of 1987 the claims were accessed by helicopter from the Wheaton River strip and from Carcross. Any substantial exploration program on the claims could be more economically serviced by boat from Carcross.

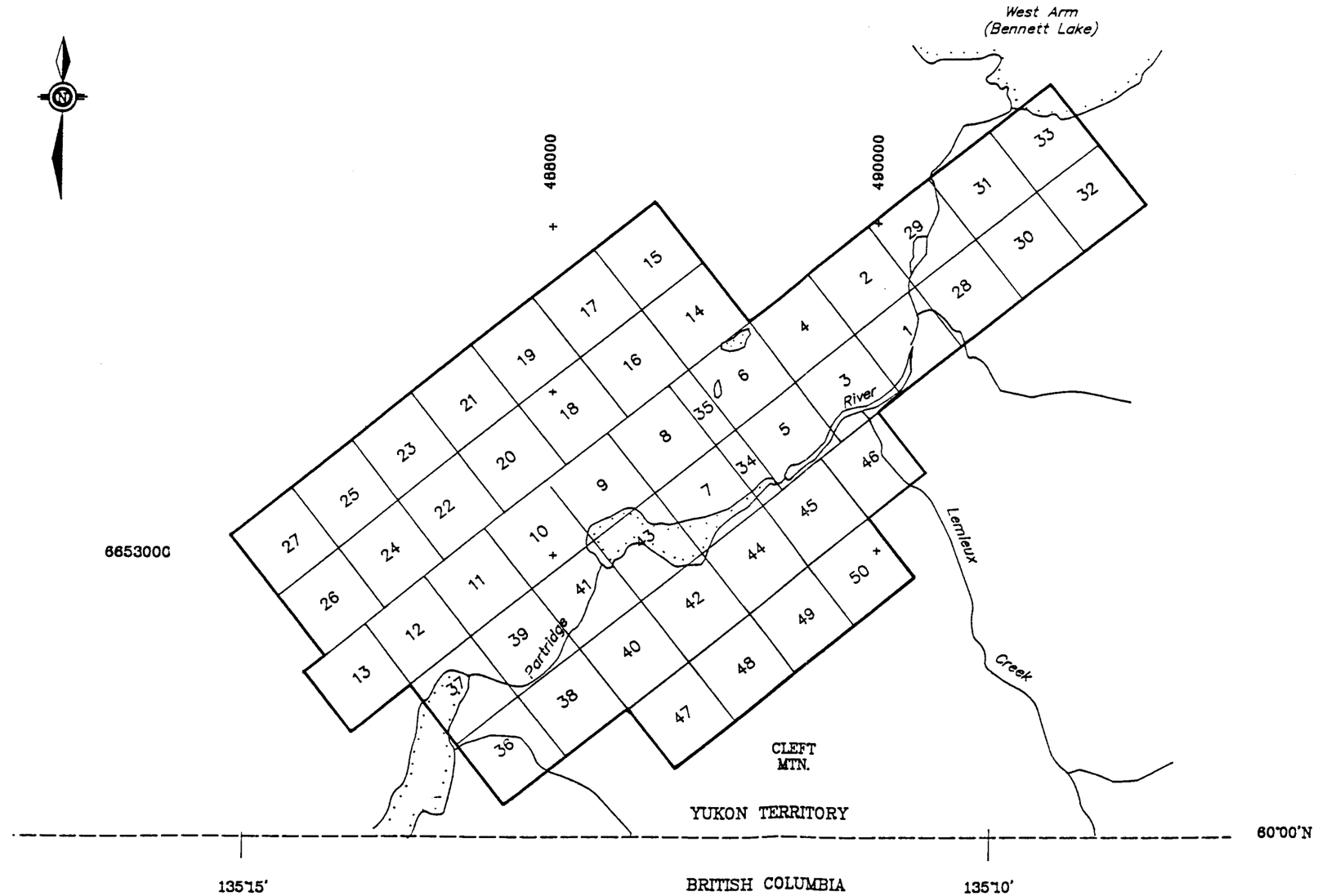
The greater part of the claim area consists of rocky knolls with a sparse covering of scrub pine. Lakes, swamps, and alluvium cover some 50% of the property.

3.0 OWNERSHIP AND CLAIM STATUS

The claims consist of the following:

Claim	Tag Number	Date Recorded	Recorded Owner
Part 1	86430	March 11, 1985	L.O. Allen
Part 2	86431	"	"
Part 3	86432	"	"
Part 4	86433	"	"
Part 5	86434	"	"
Part 6	86435	"	"
Part 7	86436	"	"
Part 8	86437	"	"
Part 9	86438	"	"
Part 10	86439	March 11, 1985	R.J. Bilquist
Part 11	86440	"	"
Part 12	86441	"	"
Part 13	86442	"	"
Part 14	86443	"	"
Part 15	86444	"	"
Part 16	86445	"	"
Part 17	86446	"	"
Part 18	86447	"	"
Part 19	86448	"	"
Part 20	86449	"	"
Part 21	86450	"	"
Part 22	86451	"	"
Part 23	86452	"	"
Part 24	86453	"	"
Part 25	86454	"	"
Part 26	86455	"	"
Part 27	86456	"	"
Part 28	95043	June 30, 1986	L.O. Allen
Part 29	95044	"	"
Part 30	95045	"	"
Part 31	95046	"	"
Part 32	95047	"	"
Part 33	95048	"	"
Part 34	95049	"	"
Part 35	95050	"	"

Claim	Tag Number	Date Recorded	Recorded Owner
Part 36	95231	July 25, 1986	R.J. Bilquist
Part 37	95232	"	"
Part 38	95233	"	"
Part 39	95234	"	"
Part 40	95235	"	"
Part 41	95236	"	"
Part 42	95237	"	"
Part 43	95238	"	"
Part 44	95239	"	"
Part 45	95240	"	"
Part 46	95241	"	"
Part 47	96338	Sep. 22, 1986	R.J. Bilquist
Part 48	96339	"	"
Part 49	96340	"	"
Part 50	96341	"	"



Scale 1:30,000

0 500 1000 1500 2000

metres

SIRIUS RESOURCE CORPORATION			
PART CLAIMS			
CLAIM MAP			
PLAN No. 905	DRAWN BY: GEO-COMP	DATE Dec.'86	FIGURE 2
Originator: AWG		N.T.S. 105D/3	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Geo-Comp Drawing File: PRT/CLA 1986-12-06

4.0 HISTORY AND PREVIOUS WORK

The Bennett Lake Caldera has been the scene of exploration for copper, molybdenum, uranium and silver at various times during the last 15 years.

In 1962 Kennecott Exploration carried out a silt sampling program which led to the acquisition of claims near the centre of the caldera.

In 1978 D.J. Leighton & Associates, operating on behalf of E&B Explorations Ltd., carried out geological and geochemical surveys for uranium on the ground now covered by the PART claims. Four diamond holes were drilled, none of them in zones prospective for precious metals.

The potential of the claims for silver and gold was first recognized by R.J. Bilquist and L.O. Allen, who were responsible for initiating the staking and sampling of the claims in 1985. In June 1985, Messrs. R.J. Bilquist, L.O. Allen, and R.V. Longe conducted a preliminary rock chip sampling survey, from which encouraging values of gold and silver were returned. (MineQuest Exploration Associates Ltd. Report No. 111). During 1986 the claims were the focus of geological mapping, prospecting, rock chip sampling, soil geochemistry, geophysical surveys, and limited diamond drilling. (MineQuest Exploration Associates Ltd. Report No. 150).

5.0 WORK CARRIED OUT IN 1987

A single BQ diamond drill hole totalling 349.3 metres (1146 feet) was drilled during late October and November. E. Caron Diamond Drilling Limited supplied drill services from a camp on the Partridge River. Core logging and sampling was carried out by R.J. Bilquist and A.W. Gourlay.

6.0 GEOLOGY

6.1 Regional Geology

The geology of the Bennett Lake caldera is described in Lambert (1974). The complex, of Eocene age, straddles the boundary between British Columbia and Yukon Territory, and is a twin of the Skukum Caldera 12 miles to the north (Figure 3). The Bennett Lake volcanic rocks include more fragmental units than are found in the Skukum Group, a feature which adds to the potential of the Bennett Lake area for disseminated types of gold deposits.

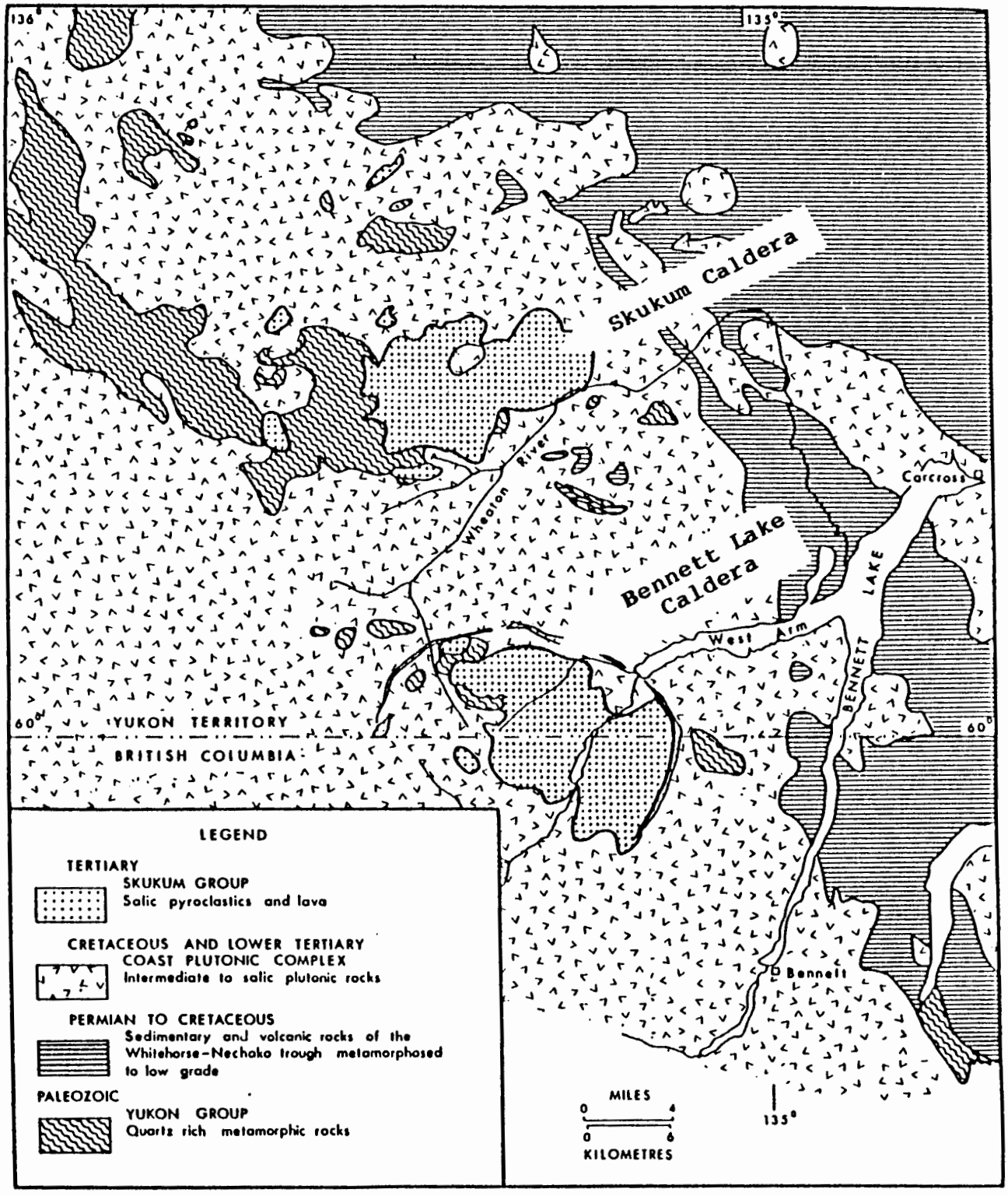
Lambert described the Bennett Lake caldera as a subsidence complex filled by a succession of predominantly volcaniclastic units, each representing a separate volcanic event. Each unit consists of tuff, ignimbrite or lava with, in some cases, subordinate sediments. In general the base of each unit is less welded than the overlying parts of the same unit.

The volcanic units are predominantly silicic in composition. Ash flow tuffs, ignimbrites and breccias are more abundant than lavas. Intrusive rhyolites, in particular a large ring dyke circumscribing the complex, are also present.

6.2 Property Geology

The geology of the grid on the PART claims has been summarized by Gourlay (1986) as follows:

"Unit 1 (the Basement rock) is a fine to medium grained quartz monzonite of Upper Cretaceous or Lower Tertiary age. The quartz monzonite is composed of subhedral quartz and feldspar, with 15% mafics, mostly hornblende, now replaced by chlorite. The quartz monzonite weathers grey and is pinkish-green on a fresh surface. The basement is cut by massive,



Regional geology in the vicinity of Bennett Lake, British Columbia and Yukon Territory. Geology modified after Christie (1957) and Wheeler (1961). Reproduced from Lambert (1974).

Figure 3

fine-grained, sucrosic, aplite dykes comprising less than 5% of outcrop. Much less common are massive, green, chloritic basalt dykes. The aplite dykes are coeval with the basement rocks while the basalt dykes are related to the waning stages of volcanism in the caldera.

Unit 2 is a Sedimentary Unit restricted to paleotopographic lows on the quartz monzonite basement. It is composed of three distinct subunits: quartz pebble conglomerate, quartz monzonite pebble conglomerate, and quartz monzonite breccia.

Quartz monzonite breccia is the most common of the three subunits found in the sedimentary package. It is made up of unsorted, angular quartz monzonite fragments supported in a massive, medium grained chloritic matrix. Fragments range in size up to three centimetres. In outcrop, the angular fragments are highlighted by differential weathering of the matrix. The quartz monzonite breccia was probably formed by avalanches sloughing off fault escarpments during collapse of the caldera complex. Quartz pebble conglomerate is composed of white quartz pebbles up to three centimetres in diameter, supported by a fine to medium grained matrix. Quartz pebbles are well rounded but have low sphericity. The matrix is poorly sorted subrounded to angular quartz grains. Quartz pebbles make up as much as 50% of the rock, and the unit varies over short distances from conglomerate to grit. The quartz pebble conglomerate weathers grey, on a fresh surface is light grey with weak iron staining, and in outcrop displays distinct "pimples" formed by large white quartz pebbles.

The quartz monzonite pebble conglomerate is massive in outcrop. Subrounded quartz monzonite pebbles up to four centimetres size are supported by an unsorted medium grained sandy grit.

Unit 3 is a Lithic Tuff that unconformably overlies both the quartz monzonite basement and the sedimentary unit. In outcrop the lithic tuff is a massive, grey weathering rock that is pale grey to buff coloured on a fresh surface. The tuff is predominantly a very fine-grained matrix supporting 10 to 20% angular to subrounded fragments and shards. Fragments are grey, aphanitic and siliceous with size ranging from one to six millimetres. Shards are rare in the lower section of the lithic tuff, and increase in frequency up section as the fragment content decreases. The lithic tuff includes thin interbeds of green tuff composed of devitrified shards, spherulitic beds, and distinct quartz-eye rhyolites. The area of lithic tuff outcrop between 5100E and 5300E from 4050N to 5100N is locally brecciated with drusy quartz cementing angular fragments.

Unit 3a is a transitional unit between units 3 and 4. It is a welded tuff that displays some of the features of both the vitric lapilli tuff and the ignimbrite. It lacks the lapilli feature of unit 3 and the massive black character of unit 4.

Unit 4 is a densely welded tuff or ignimbrite. The rock, which is grey weathering and black on a fresh surface, is massive in outcrop and locally eutaxitic texture is well developed. This unit hosts the fracture controlled mineralization found at the Discovery, Elbow Creek, and West Bank showings."

The 1986 drill program revealed more of the stratigraphy of Unit 3 than is apparent at surface. In drill core, the volcanic section found at surface is interbedded with waterlain lithic tuff or a "grit" equivalent, and an avalanche breccia. Contacts are gradational over as little as 10 cm. The "grit", compositionally very similar to the lithic tuff, is a grey-green colour and occasionally displays layered beds of rapidly varying grain size. A medium to fine-grained matrix supports up to 40% sub-rounded to angular clasts. Clast composition is 50% grey to white, aphanitic siliceous fragments, 25% black siliceous fragments, and 25% lithic tuff fragments. Well rounded clasts of quartz monzonite are extremely rare. Clast size ranges up to four centimetres.

The avalanche breccia is a distinct lithology characterized by angular fragments of lithic tuff supported by an aphanitic maroon matrix. The lithic tuff fragments are light grey and are often well banded. The fragments may carry minor disseminated pyrite, 1 to 2mm size, commonly associated with subhedral, pale green inclusions within the lithic tuff fragments. Fragments are commonly four to five centimetres in size, and range up to a maximum of eight centimetres.

On a gross scale the lower section of the lithic tuff is an unaltered, fragment-dominated tuff that grades upwards into lapilli tuff, which in turn becomes increasingly welded up section.

7.0 RESULTS OF THE 1987 PROGRAM

7.1 Diamond Drilling

The diamond drill hole tested the projected down dip extension of mineralized veins found at the Discovery showing and in the three holes drilled in the fall of 1986. Core size was BQ, with a diameter of 3.6 cm. Core recovery was very good, averaging 95%. Samples were split manually, half was bagged for shipment, and the other half was returned to the core box for reference. Sample intervals varied from 0.3 to 0.9 metres. All core is stored on the property.

7.2 Geology

The upper portion of this year's drill hole cored the same lithologies as the three 1986 holes. The hole was collared on bedrock and cased to 1.82 metres. From 1.82 to 79.10 metres is massive, black, siliceous ignimbrite of Unit 4. At 79.10 metres there is an abrupt transition over 25 cm to Unit 3a, the Transitional Unit. In this section Unit 3a varies rapidly from green lithic tuff to reddish-brown porphyritic tuff. Both lithologies are massive and the lithic tuff beds are often moderately welded. The contact with Lithic Tuff of Unit 3 at 108.50 m is marked by a distinct colour change to a grey, groundmass supported lithic tuff. The avalanche breccia and "grit" units observed in the 1986 drilling are found in the upper sections of Unit 3, which continues to a depth of 292.80 metres. The Lithic Tuff is a monotonous sequence of angular or subrounded fragments supported by a very fine grained to aphanitic groundmass. The fragments composed up to 50% of the tuff, and are predominantly comprised of grey aphanitic siliceous fragments with lesser amounts of black, brown or white aphanitic fragments, finely layered quartz porphyritic fragments, and rare quartz monzonite fragments. Lower in the section andesite tuff beds

up to 9 metres thick are found, as well as sections of chloritized hornblende diorite up to 6 metres thick. These sections may represent slump features or large clasts. Within the Lithic Tuff contacts between sections of different clast composition and grain size are marked by thin zones of irregular or disrupted lithic tuff that probably mark the boundaries between individual depositional or eruptive events. The lowermost 10 metres of Unit 3 is a polylithic tuff or conglomerate composed of angular to rounded fragments, up to 15 cm in size, supported by an aphanitic groundmass. Fragment content is the same as the upper section of the lithic tuff.

At a depth of 292.80 metres, there is a sharp contact between the basal Lithic Tuff and Feldspar Porphyritic Black Tuff (Unit 2b), a lithology not recognized at surface. The feldspar porphyritic black tuff is a massive, siliceous rock that is moderately to strongly welded. Phenocryst content ranges from 0 to 20% subhedral to anhedral white feldspar phenocrysts, up to 5 mm size supported by an aphanitic black groundmass. Individual flows of weakly to non porphyritic tuff are up to 5 metres thick, and flow contacts are marked by weakly developed breccias or jumbles of angular tuff fragments up to 20 cm size. Feldspar porphyritic black tuff continues to the bottom of the hole at 349.28 metres.

7.3 Mineralization

The 1987 drilling encountered weak quartz sheeting between 216 and 220 metres depth. Quartz veins reach a maximum thickness of 3 mm, and carry pyrite but not galena as found in the 1986 holes. Gold values reach a high of 20 ppb, and silver 7.6 ppm. Traces of disseminated pyrite are found between 229.90 and 231.90 metres, but both gold and silver are at detection limits. At the only place where galena was observed, at 238.75 metres, a sample returned 30 ppb gold and 1.5 ppm silver. Three other samples of calcite veining produced a high of 9.8 ppm silver and gold at the 5 ppb level.

8.0 DISCUSSION

The PART claims cover a high grade gold and silver discovery located in an area of subdued topography within the Bennett Lake caldera. The high grade showing is hosted by fractures within an ignimbrite which, based on surface mapping, was assumed to be near the top of a volcanic sequence resting on basement rocks. Recent drilling, however, has intersected another welded tuff or ignimbrite not recognized at surface, suggesting that there is another volcanic sequence between Units 3, 3A and 4 mapped at surface, and the sedimentary unit and basement (Units 2 and 1). This implies that the basement is at an unknown depth below the latest drilling.

Lambert's (1974) structural interpretation of the Bennett Lake caldera locates a small, nested caldera just to the west of the PART claims. The eastern margin of the nested caldera is marked by a major north-northwest trending fault extending north from Lesser Partridge Lake, some 1000 metres west of the Discovery Zone. A number of subparallel splays are mapped in the vicinity of the Discovery Zone and are probably growth faults along the caldera margin. Lambert (1974) suggests that the Bennett Lake caldera was "hinged" or flexed at the western margin and the eastern margin was marked by a series of arcuate fault blocks. Early volcanic sequences would have been deposited in the nested caldera basin and buried by subsequent deposits which lapped onto basement rocks to the east as the two calderas were filled.

Units 4, 3a and 3 may now be correlated with the Cleft Mountain Formation, as mapped by Lambert (1974) and Unit 2b, the feldspar porphyritic black tuff, with the Partridge Lake Formation.

At surface the mineralized fractures are unobtrusive and nondescript. The ignimbrite is a massive, tight rock that does not appear to be a likely host, and within the upper portion of the lithic tuff, mineralization is found in a sheeted zone of narrow quartz veins. The single deep drill hole did not encounter increased mineralization or vein width with depth, nor a distinct fracture zone. Drilling has only tested the section beneath the Discovery Zone, leaving the strike extensions and presumably the depth possibility along strike as potential targets.

Lithologies hosting mineralized veins at surface and in drill holes are tight unreceptive hosts. Growth faults related to a nested caldera margin would provide a plumbing system for mineralizing fluids and any dilation zones along those faults, or permeable lithologies crosscut by faulting would be a preferred site of mineral deposition.

9.0 SUMMARY AND CONCLUSIONS

1. The PART claims cover an area of quartz monzonite overlain unconformably by quartz pebble conglomerate, quartz monzonite pebble conglomerate, and quartz monzonite breccia. These rocks are apparently overlain by welded tuffs of the Partridge Lake Formation, which is in turn overlain by lithic tuff that grade upwards into vitric lithic tuff, which in turn grade into ignimbrites, all of the Cleft Mountain Formation.

2. Surface mineralization occurs as fracture-controlled galena, pyrite, and chalcopyrite within the ignimbrite unit.

3. Mineral occurrences are controlled by north-south fractures, the presence of which has been confirmed by geophysical surveys. Most mineralization is found near a strong northwest -southeast trending magnetic feature. These fractures are subparallel to the margin of a nested caldera located immediately west of the PART claims.

4. Drilling has tested the mineralized fractures to a depth of 300 metres. Geochemically anomalous gold and silver values which increase in sulphide content and precious metal values with depth were returned from all three shallow holes. A single deep hole encountered weakly developed fractures with negligible gold and silver values.

10.0 RECOMMENDATIONS

The source of the high grade gold and silver values found at surface has proved to be enigmatic. To-date, limited drilling beneath the Discovery Showing has failed to find a plumbing system that would provide an adequate feeder to the fracture controlled mineralization at surface. A more detailed examination of the Discovery Showing is required to better understand the controls of mineralization at surface. Hand trenching, using a plugger and blasting, to crosscut the trend of the mineralized fractures, north and south of the Discovery Zone, is recommended. Trenching will provide more information on the attitude, widths and dips of mineralized fractures with which to plan more drilling.

Other targets within the Bennett Lake Caldera, in particular the BOUD claims, require a thorough evaluation during the next exploration season and have a stronger claim on funds than further drilling on the PART claims. If more follow-up work is decided upon, the trenching plan recommended above will cost approximately $50,000 and will take about two weeks to complete. Further diamond drilling is not warranted until a better understanding of the nature and orientation of the mineralization at the Discovery Zone is developed.

11.0 BIBLIOGRAPHY

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GSC Bulletin 227.

Longe, R.V., 1985.
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LEGEND

- Strike/dip, bedding or eutaxitic layering
- Strike/dip, fracture
- Strike/dip, vein
- Outcrop
- Escarpment
- Swamp
- Geological Contact known, approximate, inferred
- Fault
- Lake
- Mineral Showing
- Diamond Drill Hole

Tertiary

- 4 — Ignimbrite
- 3a — Undifferentiated welded lithic tuff and ignimbrite
- 3 — Lithic Tuff
- 2b — Feldspar Porphyritic Black Tuff
- 2 — Lower Sedimentary unit: quartz monzonite pebble conglomerate, quartz pebble conglomerate quartz monzonite breccia
- 1 — Upper Cretaceous or Lower Tertiary Medium to fine grained quartz monzonite

Scale 1:2500

0 50 100 150 200 metres

87

SIRIUS RESOURCE CORP.

PART CLAIMS

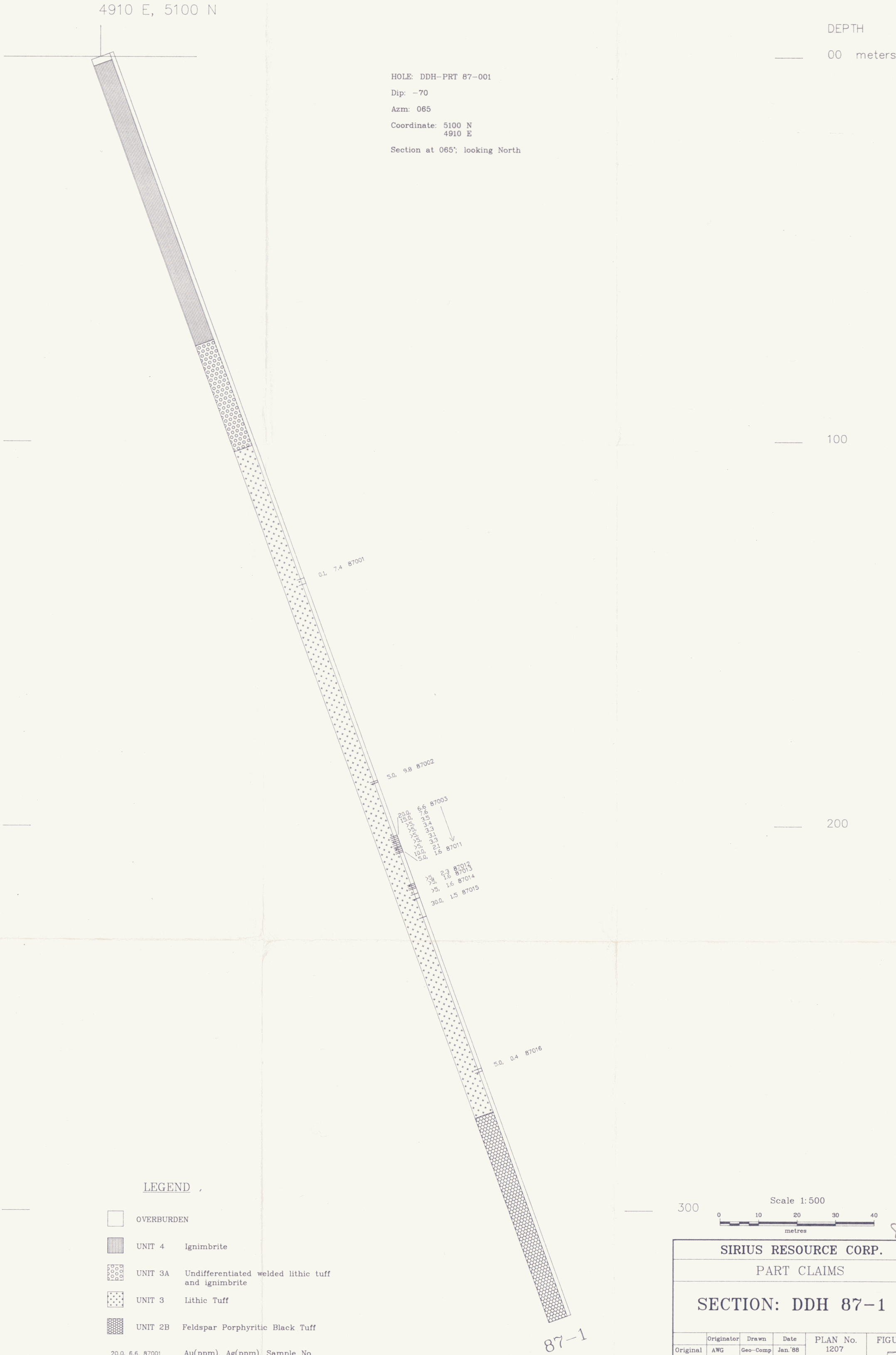
GEOLOGY & DRILL HOLE LOCATIONS

	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	JAN.'88	9042	4
Revision				N.T.S. 105D/3	
Revision					

MINEQUEST EXPLORATION ASSOCIATES LTD.

Geo-Comp Drawing File: PRT\GE02 12-31-86

092119



HOLE: DDH-PRT 87-001

Dip: -70

Azm: 065

Coordinate: 5100 N
4910 E

Section at 065°; looking North

LEGEND

- OVERBURDEN
- UNIT 4 Ignimbrite
- UNIT 3A Undifferentiated welded lithic tuff and ignimbrite
- UNIT 3 Lithic Tuff
- UNIT 2B Feldspar Porphyritic Black Tuff
- 20.0, 6.6, 87001 Au(ppm), Ag(ppm), Sample No.

Scale 1:500

0 10 20 30 40
metres

8/8

SIRIUS RESOURCE CORP.

PART CLAIMS

SECTION: DDH 87-1

	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	Jan.'88	1207	5
Revision				N.T.S.	
Revision				105D/3	

MINEQUEST EXPLORATION ASSOCIATES LTD.

Geo-Comp Drawing File: PART\3SECT871 01-27-88

092119

APPENDIX I

Names and Addresses of Persons Performing

Work Described in this Report

APPENDIX I

Names and Addresses of Persons Performing

Work Described in this Report

R.J. Bilquist
Box 81
Gabriola Island, B.C.
V0P 1X0

A.W. Gourlay
9188 - 122B Street
Surrey, B.C.
V3V 7M1

APPENDIX II

Laboratory Techniques

and

Laboratory Reports

APPENDIX II

Analytical Techniques

All samples were sent to the Bondar-Clegg and Co. Ltd., Whitehorse, Yukon for preparation.

Rock samples were processed as follows. The sample was put through a primary jaw crusher followed by a secondary cone crusher, which reduced the sample to 80% less than 10 mesh. A representative split of approximately 250 grams was obtained by passing the entire crushed sample through a Jones Riffle splitter. This split was then pulverized for 2.5 minutes in a ring and puck grinder which reduced the particle size to 99% less than 100 mesh.

Rock pulps were then shipped to Bondar-Clegg and Co. Ltd., North Vancouver, B.C. for analysis, as follows:

Gold: Two thirds of an assay ton by fire assay extraction and atomic absorption determination, and

Silver: Lefort aqua regia extraction, atomic absorption determination.

Copy RVL => file PRT
AWG

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

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 127-9653 (COMPLETE)

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.
PROJECT: PART

SUBMITTED BY: A.W. GOURLAY
DATE PRINTED: 2-DEC-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	16	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
2	Au	Gold - Fire Assay	16	5 PPB	FIRE-ASSAY	Fire Assay AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	16	2 -150	16	CRUSH,PULVERIZE -150	16

REPORT COPIES TO: MR. R. V. LONGE
MINEQUEST EXPLORATIONS
MR. A. GOURLAY

INVOICE TO: MINEQUEST EXPLORATIONS

egg & Company Ltd.
mberton Ave.
, Vancouver, B.C.
ada V7P 2R5
one: (604) 985-0681
elex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 127-9653 | PROJECT: PART | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
D2 PRT87001		7.4	<5
D2 PRT87002		9.8	5
D2 PRT87003		6.6	20
D2 PRT87004		7.6	15
D2 PRT87005		3.5	<5
D2 PRT87006		3.4	<5
D2 PRT87007		3.3	<5
D2 PRT87008		3.1	<5
D2 PRT87009		3.3	<5
D2 PRT87010		2.1	10
D2 PRT87011		1.6	5
D2 PRT87012		2.3	<5
D2 PRT87013		1.6	<5
D2 PRT87014		1.6	<5
D2 PRT87015		1.5	30
D2 PRT87016		0.4	5

APPENDIX III

Drill Log

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No. PAT 87-01

PROPERTY: PARTRIDGE

DRILL LOG – CORE

CLAIM BLOCK CODE: PRT

NTS: 105 D/3 UTM:

CLAIM NAME: PART 5

LOCATION – GRID NAME:

GRID N: 5100 GRID E: 4910

SECTION: ELEV:

AZIM: 065 LENGTH: 349.28 m.

DIP: -70 CASING LEFT?: YES

CORE SIZE: BQ

CORE STORAGE: ON PROPERTY

DRILLING CO.: CARON DRILLING

STARTED: 31 OCT 1987

COMPLETED: 12 NOV 1987

PURPOSE:

CORE RECOVERY:

LOGGED BY: R.J. BLOWIST, A.W. GOURLAY

DATE LOGGED: 1 NOV – 13 NOV 1987

ASSAYED BY: BONDAR-CLEGG

LAB REPORT NOS.: 187-9653

SURVEY

DEPTH	AZIM.	DIP	DEPTH	AZIM.	DIP
1000'		-70°			

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS

PARTRIDGE PROPERTY DDH 87-001

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE HOLE No. PAT 87-001 PAGE No. 01

TEXTURE, ALTER'N, MINERALIZATION, ETC. M.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
0								
		OVERBURDEN						
1.0								
		BOX 1 1.92 – 9.26						
		IGNIMBRITE – UNIT 4						
2.0		– BLACK						
		– MASSIVE						
		– POORLY DEVELOPED + DISCONTINUOUS LAYERING						
3.0		– CLASTS ROUNDED OR SUBANGULAR						
		– OCCASIONAL HAIRLINE STRINGERS OF CALCITE ON FRACTURES						
4.0		– (CONT) CORE BUT VERY HARD – SILICEOUS – SLIGHT DRILLING.						
5.0								
6.0								
7.0								
8.0								
9.0								

PARTRIDGE PROPERTY DDH 97-001

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE HOLE No. PART. 97-001 PAGE No. 02

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
9c								
		Box 2 9.26 to 15.5 m.						
10		IGNIMBRITE - UNIT 4						
		- GOOD CORE						
		- SAME AS Box 1						
11								
12								
13								
14								
15								
		Box 3 15.5 m. to 21.9 m.						
16		IGNIMBRITE - UNIT 4						
17								
18								

PARTRIDGE PROJECT DDH-87-001

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE HOLE No. PRT-87-001 PAGE No. 03

TEXTURE, ALTFR'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
18								
		18.4m. TO 18.7m – PINK SILICIFIED ZONE WITH EPIDOTE?						
19								
		– OCCASIONAL CALCITE STRINGERS ON FRACTURES.						
20								
21								
22		Bex 4 21.9 m. TO 24 m. IGNIMBRITE – UNIT 4						
		– 22.25m. TO 22.55m. BROWN FRAGMENTS WITH "EPIDOTE GREEN" MATRIX						
23								
		– 22.85m. TO 24.7m. CONSIDERABLE MORE FRACTURING WITH CALCITE ON FRACTURES – FROM 24.4m TO 24.7m "EPIDOTE GREEN"						
24		MOTTLED MATRIX.						
		– 24.7m. TO 28.95m OCCAS. CALCITE LINED FRACTURES + OCCAS. "EPIDOTE						
25		GREEN" FRAGMENTS – FROM 28.5m. TO 28.9m. RUSTY FRACTURES + LARGER (5mm) CALCITE STRINGERS.						
26								
27								

PARTRIDGE PROJECT - DDH-97-001

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE | HOLE No. PRT-97-001 | PAGE No. 04

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
27								
28								
29								
		BOX 5 29M. TO 35.35M.						
		IGNIMBRITE - UNIT 4						
30								
		- 29m. TO 33.5m - OCCAS FRACTURING WITH CALCITE ON SOME FRACTURE						
		PLANES						
31								
		- 33.5m TO 35 m. - MORE INTENSE						
		FRACTURING WITH OCCAS RUSTY						
		COATINGS ON FRACTURE PLANES						
32		- AT 34.6 m. SMALL ZONE						
		(± 15cm) OF PINK + BROWN						
		VOLC. WITH 4mm. WIDE						
		CALCITE STRINGER						
33								
34								
35								
					100%			
		BOX 6 35.35m. TO 43.10 m.						
36		UNIT 4 - IGNIMBRITE.						

PARTRIDGE PROJECT - DDH-87-001

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE | HOLE No. PRT-87-001 | PAGE No. 05

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
36		Good core.			90%			
		Broken ground, some lost core 37-39m.						
		Laminhite fracture with weak iron staining.						
37		from 36.10 to 38.95 m.						
					50%			
		Massive.						
38		Block.						
		30°			80%			
		/ weak hairline calcite veinlets, up to 1mm.						
		75°						
39		<10% subangular to angular green siliceous						
		fragments.			100%			
		rare large fragments up to 1.5 cm size,						
40		angular, green to brown colour.						
					95%			
41								
					100%			
42								
					100%			
43		Box 7 43.10 - 44.40 m.						
					90%			
		UNIT 4 - IGNIMBRITE.						
44		Good core						
					100%			
		Massive						
45		Black						

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE

HOLE No. MT 87001 PAGE No. 6

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
45		rare calcite veinlets, CA 45° less than 1MM thick.			100%			
46		weak layering @ CA 60° (10° dip to W?)			100%			
47					90%			
alignment of shards.	60°							
irregular Ca vein, smaller	35°							
lent. Ca vein, minor bx.	45°				100%			
49								
hairline Ca vein	75°				80%			
50		Box # 8 49.90m - 56.45m						
					60%			
		UNIT 4 - IGNIMBRITE						
51		Generally good core; broken sections up to 20 cm.			80%			
		Massive						
52		Black			90%			
		V. weak iron staining 54.05 - 57.40m.						
53		network of iron stained fx, random orientation, no breccia development.			100%			
54								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE HOLE No. PST 87001 PAGE No. 7

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
54								
		rare hairline calcite veinlets, c/a variable			100%			
		from 10° to 45°						
55		calcite common on fx						
					80%			
56								
					90%			
		Box #9 56.45 - 63.80m						
57								
		UNIT 4 - IGNIMBRITE			90%			
		Broken and blocky core to 59.20m						
58		From 59.20m very good core						
					80%			
		Massive						
59		Black						
					90%			
		From 59.20 m core fractures at 65° to core						
		axis, parallel to poorly developed banding						
60								
		Calcite veinlets, weakly iron stained, with very			100%			
		rare pyrite at 65° to core axis.						
61		Irregular epidote rich blebs parallel to banding						
		up to 30mm x 5mm size			100%			
62								
					100%			
63								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE

HOLE No. PAT 87001 | PAGE No. 8

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS					
63					100%								
		Box #10 63.80m – 70.71m											
64													
		UNIT 4 - IGNIMBRITE			100%								
		VERY GOOD CORE											
65													
		Block			100%								
		Massive											
66													
		siliceous			100%								
		≤10% fragments, rarely 25mm size, pale green to brown colour, [illegible]											
67													
					100%								
		rare hairline calcite veinlets											
68													
					100%								
69													
1.5mm ca + iron stain	30° /				100%								
69.4m 1mm Ca Veinlet	30° /												
70													
					100%								
71		Box #11 70.71m – 78.02m											
					100%								
		UNIT 4 - IGNIMBRITE											
72		VERY GOOD CORE rare broken sections <20cm											

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE | HOLE No. PRT 87001 | PAGE No. 9

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
72		Massive			100%			
		Block						
73								
		Very siliceous			100%			
		Layering consistently at angle to core axis of 60° to 70°						
74					100%			
		Increasing occurrence of green and brown bands up to 5cm wide, parallel with layering.						
75								
		Calcite veinlets occur as sets of up to 5 within 10cm sections. <1mm thick, angle to core axis 20-30°			100%			
76								
					100%			
77								
					100%			
78								
		Box #12 78.62m to 85.19m			100%			
		UNIT 4 - TONALITE to 79.10m						
79								
		Massive			100%			
		Block.						
80								
		At 79.10 m sharp transition over 25cm to UNIT 3.1 - Transitional UNIT.			100%			
81		Very good core						

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE

HOLE No. PGT 8701 | PAGE No. 10

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
81								
		siliceous rock.			100%			
		rapid variation from massive, green lithic tuff to						
82		reddish-brown porphyritic tuff. Locally alignment						
		of fragments, 35° to core axis			100%			
		Rare fragments of reddish porphyritic tuff in green						
83		lithic tuff.						
					100%			
		some beds of lithic tuff moderately welded.						
84		Individual beds of different lithologies up to 1.8m						
		thick.			100%			
85								
		BOX 13 85.19 m - 92.35 m			100%			
		UNIT 3A - Transitional UNIT						
86								
		Very good core.			100%			
		Grey colour, with angular black porphyritic						
87		tuff fragments to 3.5 cm size						
					100%			
		Generally massive with zones up to 20 cm wide						
		of reggie & chlorite?, 1 to 3 mm size						
88								
		Dry fractures at 70° to core axis common, approx			100%			
		1 per 2.5 cm of core length.						
89		rare reddish brown angular fragments (?) up to 3 cm						
		size			100%			
90								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE HOLE No. PRT 87-01 PAGE No. 11

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
90					100%			
91					100%			
92					100%			
		Box # 14 92.35m - 99.36m						
93		UNIT 3A - TRANSITIONAL UNIT			100%			
		Very good core.						
94		Grey			100%			
		Massive						
95		siliceous.			100%			
		flow contact at 96.55m, angle to core axis 75°						
96		98.30 - 98.55 irregular discontinuous, 5mm calcite stringers w/ limonite stain, + PY. 10-25° angle to core axis			100%			
flow contact:	75							
97					100%			
weak limon staining	~ /							
PY. CA. 98					100%			
99								

MINEQUEST EXPLORATION ASSOCIATES LTD.		DRILL LOG - CORE					HOLE No. PRT 87001	PAGE No. 12
TEXTURE, ALTER'N, MINERALIZATION, ETC. 99	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
		Box # 15 99.36 m - 106.52 m.			100%			
		UNIT 3A - TRANSITIONAL UNIT.						
100								
		Very good core.			100%			
		Massive						
101								
1mm bleach zone.	40°	Grey to reddish brown			100%			
irregular bleach zone.	40°							
2mm Ca vein, +4mm	40°	siliceous						
bleach zone, wk iron stain 102								
		101.20 - 102.24 avalanche breccia: angular clasts			100%			
		of white lithic tuff in maroon, massive matrix.						
103		102.5 + diss PY and boxwork assoc. rugged						
		chlorite(?) blebs up to 2mm size			100%			
3cm bleach zone, PY. 104	45°							
irregular Ca veinlets up to 1mm.					100%			
105								
					100%			
106								
					100%			
		Box #16 106.52 m - 113.53						
107								
		UNIT 3A - TRANSITIONAL UNIT to 108.50 m.			100%			
		VERY GOOD CORE						
108								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG – CORE

HOLE No. PRT 87001 PAGE No. 13

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
108								
		Massive			100%			
		Grey to reddish brown colour.						
109								
		siliceous			100%			
		At 108.50 m marked change to light grey lithic						
110		Tuff - UNIT 3.						
					100%			
		Locally mottled maroon coloured sections up to						
		1.5m, mostly subrounded lithic tuff fragments in						
fx. PY. 111	75°	maroon matrix						
					100%			
		Lithic tuff composed of subangular to subrounded						
		white, aphanitic to finely banded volcanic fragments						
fx. PY. 112	[illegible]°	up to 1cm size, in aphanitic siliceous matrix.						
					100%			
Core commonly fx with slickensides	70°	<1% dsm PY., subhedral. .1 to .5mm size						
113		at 110.95m contact with grey, massive, siliceous						
		lithic tuff, <10% fragments, indistinct outline, contact			100%			
		at 60° to core axis						
		Box # 17 113.53m – 120.69.						
114								
		UNIT 3 – Lithic Tuff.			100%			
		Very good core, broken section 116.0 – 116.40m.						
fx PY. 115	65°							
3x 1mm Ca veinlets. + PY.	35°	Massive grey Tuff to 115.90 m.			100%			
		At 115.90 Avalanche Breccia (See Key).						
116		subrounded to angular lithic tuff fragments (55%)						
		and subangular grey aphanitic fragments (50%)			100%			
		up to 1cm size supported by carbonatic maroon						
		siliceous matrix.						
fx. PY. 117	45°							

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE | HOLE No. PRT 87-01 | PAGE No. 14

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
117								
		< 1% dim PY, ca before.			100%			
fr, ca.	40°	trace PY on dry fractures, and in hairline calcite						
fr, PY 118	50°	and quartz veinlets, subhedral blebs .5 to 1mm size.						
ca veinlets, 4mm mottled zones	45°				100%			
119								
1mm fr + PY.	80°				100%			
fr QV + PY 1mm. 120	90°							
1mm QV, + PY.	70°				100%			
fr, PY.	35°							
irreg 1mm QV, PY.	45°	Box # 18 120.69m - 127.26m.						
121								
		Avalanche Breccia (UNIT 3).			100%			
fr, PY.	75°							
		very good core						
122								
		Massive			100%			
flow contact.	90°							
		colour varies from very pale grey to deep maroon,						
2 mm sericite fr 123		with rapid colour changes over 5cm.						
	65°				100%			
fr, PY.	70°	fragments up to 6cm size, 40% of fragments < 2cm						
fr, PY.	60°	size.						
124								
		123.35 - 123.70m weak 1mm veining, fr 70° to core axis			100%			
125								
					100%			
1mm QV, pale green mica	60°							
126								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE

HOLE No. PAT 87001

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.				DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS					
126																
								100%								
2 irregular 1mm Ca vein	45°															
fx, PY. 127	30°															
								100%								
moderate to strong iron stain																
fx, PY, slickensides	18°															
128					Box # 19 127.86m - 134.72m.											
fx, PY., moderate iron stain	40°							100%								
					AVALANCHE BRECCIA (UNIT 3) to 129.60m.											
129					Massive											
3mm Ca V, pale green mica	75°							100%								
					40% light grey fragments supported in aphanitic maroon matrix.											
1mm Ca V green mica 130	75°															
					sharp contact at 129.60m, 55° to core axis			100%								
					From 129.60 LITHIC TUFF (UNIT 3)											
131																
1mm Ca veinlet	40°				Dark green			100%								
					Massive.											
1mm Ca V. 132	45°															
1mm Ca veinlet	20°				Up to 50% angular to subrounded fragments supported in dark green aphanitic groundmass.			100%								
					30% dark grey aphanitic siliceous fragments.											
133					<10% white siliceous aphanitic fragments.											
irregular 1mm Ca veinlet 75°					<10% black siliceous aphanitic fragments			100%								
					<5% light grey tuff fragments finely layered to											
2 irreg. 1mm Ca veins 70°					weakly porphyritic, aphanitic light grey groundmass,											
134					as fragments in avalanche breccia											
								100%								
					rare quartz veinlets.											
135																

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE HOLE No. PRT 87001 PAGE No. 16

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
135		Box #20 134.72 m - 141.57m			100%			
		UNIT 3 - LITHIC TUFF						
136								
		Dark green to dark grey.			100%			
		Massive						
137								
		Very good core			100%			
2x 1mm Ca Veins.	25°							
		rare weak iron staining on some fractures.						
anhedral Ca veinlets 138	45°							
		135.45 - 136.90 massive, andesite green			100%			
		non-porphyritic tuff						
irregular Ca vein 1mm	45°							
2x 3mm Ca Vein 139	90°	137.30 - 139.75 'Grit'; sedimentary equivalent						
		of Lithic Tuff; 30% rounded to sub rounded			100%			
		fragments, same proportions as before, supported						
		in fine to very fine grained matrix. Massive.						
140		Upper and lower contacts indistinct						
					100%			
		from 140.15 distinct devitrification texture (or						
		pumice fragments?), white quartz rimming of						
141		subrounded to subangular samples.						
3x 2mm Ca veinlets.	35°				100%			
		Very rare dissem PY.						
fx fr PY.	00°	Box #21 141.57m - 148.58						
142								
3mm Ca vein	30°	UNIT 3 LITHIC TUFF			100%			
		Very good core.						
143								
		Massive			100%			
		Dark green to dark grey						
144								

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE

HOLE No. PRT 87001 | PAGE No. 17

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au (ppb)	Ag (ppm)
144		143.65 - 144.20 very nicely laminated core with			100%				
		[illegible] features beneath quartz nodules (1cm size).							
3mm Ca veinlet. 145	30° /	rare calcite veinlets							
					100%				
		Very rare euhedral pyrite cubes, 1-2mm size, on dry fracture							
146									
		Small zones, < 5cm, with ~1% 3mm subhedral to			100%				
		euhedral pyrite cubes at 145.0, 146.68	146.5	147.0			87001	<5	7.4
3 x 1cm Ca zones,	35° /								
minor py, tr Py. 147	—	146.5 - 147.0 weak bx, calcite cement to py, bx along							
		calcite zones up to 1cm thick.			100%				
frx, PY.	70° —								
3mm Ca vein 148	30° /								
					100%				
		Box # 22 148.55 - 155.44 m							
149									
		UNIT 3 LITHIC TUFF			100%				
		Very good core							
150									
		148.10 - 149.20 pebble conglomerate, siliceous, no visible			100%				
2mm Ca coating	40° /	sulphides, sharp lower contact with 60° to core axis.							
3mm Ca veinlet	60°								
151		Massive core							
					100%				
		angular to subrounded fragments							
152		153.25 - 155.10 m massive, fine grained section, vague							
		outlines of fragments.			100%				
~ Ca coating	40° /								
		rare calcite veinlets							
153									

MINEQUEST EXPLORATION ASSOCIATES LTD. DRILL LOG - CORE | HOLE No. PAT 87001 | PAGE No. 18

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
153								
2+ 2mm Ca veinlets.	45°	extremely rare dsm PY.			100%			
154								
					100%			
155								
					100%			
		Box # 23 155.44m - 162.45m						
156		UNIT 3 LITHIC TUFF						
					100%			
		Very good core.						
irregular 3mm Ca vein	30°							
[illegible] coating 157	c-	Massive.						
					100%			
		Green to grey colour						
158		siliceous						
					100%			
		155.50 - 156.15 massive, fine grained green coloured section						
159								
		Rare dry fractures at 45° to core axis			100%			
		Very rare calcite veinlets						
160								
		Sections up to 30 cm of V. fine black and green sediment(?) Internally [illegible], numerous small faults at 45° to core axis all sealed now			100%			
161								
		All fragments are angular no [illegible] or [illegible] equivalents.			100%			
162		rare subrounded intrusive fragments.						

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
162								
		Box #24 162.45m - 169.77m.			100%			
163		UNIT 3 - LITHIC TUFF						
					100%			
		Very good core.						
164		massive.						
					100%			
		Green colour.						
165		Groundmass supported.						
		Up to 90% smaller to rounded fragments:			100%			
		<10% black chloritic siliceous fragments						
		<20% grey aphanitic siliceous fragments						
166		<5% brown aphanitic fragments						
		<5% finely banded lithic tuff fragments			10%			
		<5% black, quartz porphyritic fragments.						
		<5% intrusive fragments.						
167								
		Zones of weak to moderate planar fracturing			100%			
		164.40 - 165.15, 166.85 - 167.40						
168								
		164.40 - 170 Zone of groundmass supported, close			100%			
		packed, banded light grey lithic tuff fragments						
		Lower contact marked by 15 cm of black						
169		groundmass - appears finely banded lithic tuff						
		fragments.			20%			
170		Box #25 169.77m - 176.66m						
					100%			
		UNIT 3 LITHIC TUFF.						
171		Very good core.						

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
171		Some pumiceous lithic tuff as described			100%			
		in Box #24						
172		fragments are not shards; this unit may be						
		a distal equivalent of lithic tuff			100%			
		Massive						
173								
		siliceous			100%			
		Very rare calcite veinlets mostly discontinuous						
174		and irregular. eg 170.50, 171.85, 172.90 176.20m.						
		all with ~30-40° to core axis			100%			
		dsm py is rare throughout lithic tuff, <<1%						
175		as subhedral blebs <.1mm size						
					100%			
176								
					100%			
		Box #26: 176.66m - 184.09m.						
177								
		UNIT 3 LITHIC TUFF.			100%			
		Very good core.						
178								
		Massive			100%			
		Green to light grey colour.						
179								
		siliceous			100%			
		Irregular contacts between lithologies of						
180		lithic tuff; contacts between ~40-50° with the						

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
190		events? or subaqueous slumps?			100%			
		some large (<30cm) fragments of previously fractured						
2mm ca veinlet 191	40°	lithic tuff. Angular fragments supported by calcite cement						
					100%			
		Very rare, irregular and discontinuous calcite veins						
192								
					100%			
193								
					100%			
194								
		Box #27 184.09m - 191.25m			100%			
		UNIT 3 - LITHIC TUFF						
195								
		Very good core.			100%			
5mm ca veinlet	35°	Massive green lithic tuff. sos from Box #34.						
196								
.5mm ca veinlet	40°	Very rare calcite stringers, < .5mm thick.			100%			
		196.0 - 196.5. core weakly iron stained discontinuous						
197		up to 3cm length random orientation						
		No visible sulphides			100%			
ca stringer	40°							
198								
ca stringers x2	30°				100%			
	50°							
199								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
189					100%			
190								
		Box# [illegible] 145m -			100%			
191								
		Box# 25 141.35m - 142.57m.			100%			
		UNIT 3 - LITHIC TUFF						
192								
		Very good core			100%			
		Massive						
193								
		Green			100%			
		siliceous						
194								
		small fractures or shears, 55° to CA. Approx			100%			
		1 every 10cm of core length.						
195		Very rare calcite stringer <.1mm thick.						
		Mod angles. 10° to core axis, 80° to core axis			100%			
196								
					100%			
197								
					100%			
198								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au(ppb)	ASSAYS Ag(ppm)
198					100%				
		Box # 29 198.57m - 205.58m.							
199									
		UNIT 3 - LITHIC TUFF to 202.0m.			100%				
		Very good core							
200									
		Same massive, green lithic tuff, or good meaning equivalent as before.			100%				
201		201.5 - 202.0 maroon 'avalanche breccia' of grey lithic tuff fragments in sheared maroon matrix. <1% diss oxidized PY, upper and lower contacts 60° to core axis.	201.5	202.0	100%		[illegible]	5	9.8
202									
		202.0 - 204.05 Chlorite altered medium grained hornblende diorite. Looks like a poorly developed breccia, numerous networks or seams of chlorite, random orientation, supporting vague rounded to massive fragments			100%				
203		→ not internal shears, 30° to 60° to core axis massive, green colour, unfoliated diorite, grain size 2-4 mm			100%				
204					100%				
		204.05 - 204.95 interbedded diorite and lithic tuff contacts marked by slips at 50°-60° to core axis							
205									
		204.95 - 205.30 Lithic Tuff SOS.			100%				
		Box #30 205.58m - 212.74m							
206									
		205.30 - 211.45m. Medium grained hornblende diorite, chlorite altered.			100%				
207		Very good core.							

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
207								
		Diorite varies from 'massive' to well defined			100%			
		breccias w angular fragments up to 3cm size supported						
		by chloritic" epidotic groundmass. changes are grada-						
208		tional over 15-20 cm. There are no visible sulphides						
					100%			
		211.45 - 216.62m Lithic Tuff, sos.						
209								
					100%			
		These are interbeds w diorite breccia (?), perhaps						
		slumps or avalanche breccias and lithic tuff.						
210								
					100%			
211								
					100%			
212								
					100%			
213		Box #31 212.74m - 219.75m						
					100%			
Fx, tr. ca	[illegible]	Very good core.						
214		Lithic Tuff to 216.62m.						
					100%			
		Green Massive sos.						
215								
		at 216.62 m, sharp contact with 60° to			100%			
		core axis						
216								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au(ppb)	Te(ppm)
216									
		From 216.62 weakly brecciated or shattered			100%				
		pink, fine grained quartz monzonite (?). Indistinct							
Contact	60°	subrounded quartz and feldspar phenocrysts 1-2 mm size,	216.62	217.0			97003	20	6.6
?mm ?v PY 217		in aphanitic pink groundmass.							
		cut by network of hairline to 3mm QZ + chlorite ?	217.0	217.5	100%		97004	15	7.6
fr, PY x2	60°	stringers with >1% PY. (dark green h2s, mineral)							
irregular fr, PY	70°		217.5	218.0			97005	<5	3.5
218									
fr, PY.	70°		218.0	218.5	100%		97006	<5	3.4
hairline ?v PY / 3mm ?v PY	?° / ?°								
1mm ?v, PY			218.5	219.0			97007	<5	3.3
hairline ?v, PY 219	?°								
3mm ?v PY / ?mm ?v, PY x3	?° / 50°		219.0	219.5	100%		97008	<5	3.1
fr, PY.	?°								
			219.5	219.75			97009	<5	3.3
hairline ?v, PY, GL. 220	?°	Box # 32 219.75m - 227.04m							
					100%				
		QZMT breccia to 219.95m.							
			220.25	220.75			97010	10	2.1
221		219.95 - 220.25 m andesitic lithic tuff,							
		dark green, massive; upper contact at 20° to core axis	220.75	221.20	100%		97011	5	1.6
		lower contact at							
222		220.25 - 221.20 m: Banded pink rhyolite breccia,							
		finely banded on ·1mm scale, angular clasts up to 4cm			100%				
		size, fragment supported, silica cemented with >1%							
		dism PY in cement; euhedral PY blebs up to 2mm size							
223		Rhyolite fragments vary in colour from pink to light							
		green to black, all finely banded.			100%				
224		From 221.20 Andesitic Lithic Tuff 20% aphanitic							
		green angular fragments in very fine grained massive,			100%				
		dark green groundmass.							
225									

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au(ppb)	Ag(ppm)				
225					100%								
226					100%								
227													
		Box # 33 227.09m - 233.92m			100%								
		[illegible] core, some broken sections up to 30 cm.											
228		Andesitic Lithic Tuff continues to 229.15m.			100%								
		229.15 - 229.90 fine grained, very siliceous weakly											
229		layered black Tuff(?) ~65° angle to core axis (layering)											
		sharp lower contact at 65°			100%								
		229.90 - 230.80 groundmass supported subrounded	229.90	230.80			87012	<5	2.3				
230		grey, siliceous fragments, tuff or possibly											
		sediment? ≤1% dism PY. PY in both groundmass			100%								
		and in fragments/clasts.											
			230.80	231.20			87013	<5	1.6				
231		230.80 - 232.70 massive light green fine grained											
		tuff. numerous small fractures [illegible]			100%								
		very rare PY.											
232		232.70 - 233.60 similar to 229.90 - 230.80. dark											
		grey, vague to indistinct subrounded clasts/fragments			100%								
		[illegible] fine GV. dism PY ≤1%	232.60	233.90			87014	<5	1.6				
		massive, siliceous.											
233													
		233.60 - Andesitic Lithic Tuff.			100%								
234													

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au(ppb)	ASSAYS Ag(ppm)
234		Box # 34 233.92m - 241.09			100%				
		Good core, some broken sections up to 50 cm.							
235									
		LITHIC TUFF (UNIT 3) continues for entire box. Generally light green massive, siliceous groundmass supporting subrounded to subangular clasts as previously described			100%				
236									
					100%				
		Sections up to 1.5m appear to be jumbles of larger clasts, or weakly to brecciated large fragments.							
237		These large fragments are composed of 'breccias' of finely layer rhyolite supported in a siliceous matrix. Fragments are subangular up to 5 cm size, or massive andesitic black sediment(?) with rare subrounded							
		intrusive clasts, up to 3cm size.			100%				
238									
		Core fractures commonly with 70° to core axis.							
irregular GL vein 1-2mm 35°			238.50	239.0			97015	30	1.5
239		Very rare, irregular, calcite veinlets							
					100%				
		238.40 - 239.30 sheared and broken black sediment.							
240									
					100%				
241									
		Box # 35 241.09m - 247.94m			100%				
		Good core, broken from 241.65 – 247.35m.							
242									
		LITHIC TUFF. (UNIT 3).			100%				
		Varies in color from grey to 'andesite' green.							
243									

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
243		Fragments generally smaller 7-5mm size, and subrounded to subangular. Fragment composition varies with colour change, obviously different depositional events and different sources			100%			
244					100%			
		Fracture density 1 per 50cm of core, 50°-60° to core axis, very rare PY on fractures						
245								
		Very rare dsm PY, anhedral <1mm size.			100%			
		Grey m-g. lithic tuff 241.20 - 242.85m.						
246		Green 'UNIT 3' Lithic Tuff 242.85 - 245.20m.						
		Massive fine grained andesite green lithic tuff 247.50 - 249.65m.			100%			
247								
					100%			
248		Box # 36' 247.44m - 254.65m						
					100%			
		Very good core, small broken sections 248.40 - 249.0m, 249.20 - 249.35m.						
249								
		LITHIC TUFF (UNIT 3).			100%			
		Continues interbeds of different tuff lithologies						
250								
		249.65 - 253.05m 'UNIT 3' Lithic Tuff.			100%			
		253.05 - 258.35. Massive, dark grey, fe leached? porphyritic tuff, 20% subhedral ~~to~~ to euhedral light grey fe leached laths supported by massive, aphanitic groundmass.						
251					100%			
252								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
252					100%			
		Numerous small slips in Feldspar porphyritic grey tuff, all at 30° to core axis. Weak slickenside development.						
253					100%			
254					100%			
		Box # 37 254.65 - 261.96						
255		Very good core.			100%			
		Feldspar porphyritic tuff to 258.25m.						
256		From 258.25 m, interbedded (?) Black Feldspar porphyritic tuff, dark green lithic tuff, fine			100%			
257		Contacts marked by slip or sheers at 45° to core axis. Individual beds vary from 1 to 50 cm, with internal slips			100%			
258		These slips are annealed with silica → early features that have been healed ?			100%			
259					100%			
260					100%			
261								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
261					100%			
262		Box # 38 261.96 m – 269.13 m			100%			
		Very good core.						
263		Interbedded black feldspar porphyritic tuff and 'UNIT 3' Lithic Tuff to 268.03 m.			100%			
slip	45°	Dark green to black in colour, rare porphyritic tuff fragments in Lithic Tuff.						
264					100%			
		Rare slips at 45° to 65° to core axis						
265		Core breaks at 45° to core axis, weak slickenside development.			100%			
266		At 268.03, gradation over 10 cm to 268.13 m into light grey, massive, feldspar porphyritic rhyolite, faintly banded at .5 mm scale. <5% fine biotite, euhedral [illegible] 1 mm size. 710% euhedral feldspar laths, 1-2 mm size. banding distorted around feldspar laths			100%			
slip	70°							
267					100%			
		Very rare dissem PY <.5 mm size, euhedral.						
268		At 268.0, gradation into breccia or conglomerate of black fragments up to 10 mm size in a [illegible] [illegible] [illegible] a slips at 70 cm intervals separate breccias of black fragments from the layered rhyolite.			100%			
269		Box # 39 269.13 m – 276.14			100%			
270		Very good core.						

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
270								
		269.50m - 271.05m. Schistose, aphanitic green fragments supported in irregular network of weakly banded silica. This looks like fragments that were deposited while hot and then solidified. This is not introduced silica. Probably a dump breccia that occurred close to time of volcanism			100%			
271					100%			
272		271.05 - 273.10 Interbedded massive light grey rhyolite with irregular thicknesses layered UNIT 3' LITHIC TUFF.			100%			
273		Clear fine contact marked by two slips at 70° and 60° to core axis			100%			
274		273.10 LITHIC TUFF green, massive, 20% angular to subangular fragments supported by massive very fine grained to aphanitic groundmass.			100%			
275		Slips at 60° to 70° approximately every 40cm.						
		276.1 - 276.8 banded grey light grey rhyolite			100%			
276								
		Box #40 276.14 - 283.60m.			100%			
		Very good core.						
277		LITHIC TUFF TUFF continues to 282.0m. Some as previously described.			100%			
278								
					100%			
279								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS Au(ppb)	Ag(ppm)				
279		279.0 - 279.70 Grey mottled siliceous horn, contacts			100%								
		at 50° to core axis, marked by thin calcite veins.											
hairline cc veinlet -	25°												
2-1mm cc veinlets 280	60°	From 279.70 poly lithic tuff conglomerate											
		angular to rounded fragments up to 15cm supported			100%								
		in aphanitic black groundmass.											
		Fragments compose 40% of rock, lithologies are:											
281		- subrounded maroon aphanitic fragments up to 3cm											
Cc vein 1/5cm,		size with tr. dissem Py.	281.0	281.75	100%		89016	5	0.4				
up to 1cm thick, 45°	45°	- angular white aphanitic, siliceous fragments up to 2cm											
Cu + iron stain		size											
282		- subangular grey, aphanitic, siliceous fragments up to											
		1cm size.			100%								
		- angular feldspar porphyritic tuff, black, fragments											
		up to 15cm.											
283		- fragmental lithic tuff angular											
		- v. rare intrusive fragments, subrounded.			100%								
		Box #41 283.60m - 290.61m.											
284													
		Very good core.			100%								
		Poly lithic Tuff continues											
285													
		Massive			100%								
		Dark Green											
286													
		sections of core up to 1m are massive interbedded-			100%								
		ded with sections up to 1.25m that display											
		features similar to soft sediment deformation -											
287		cooling features during deposition?											
			-		100%								
288													

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
288					100%			
289					100%			
290					100%			
		Box # 42 290.61m - 298.38 m						
291		Very good core			100%			
292		Polymictic green lithic tuff continues to 292.30m. irregular contact marked by slips at 40° to core axis.			100%			
293		From 292.80m. Black, feldspar porphyritic Tuff except for 294.60 - 295.07. White feldspar primary, numerous small shears with displacement up to 1 cm. Massive, Upper contact 25° to core axis, lower contact 35° to core axis			100%			
294					100%			
295		Black, Feldspar Porphyritic Tuff 10% white to green, subhedral to euhedral, feldspars, < 5mm size, in cohesive black ground mass. Massive with sections up to 25 cm of suspended to subangular feldspar porphyritic tuff in pale green siliceous matrix. These sections have gradational contacts (flow top?).			100%			
296					100%			
297								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
297					100%			
298					100%			
		Box # 43 298.38m - ~~324.79~~ 305.24						
299		Very Good Core			100%			
		Black, Feldspar porphyritic T.R. continues to bottom of hole. Tip of another volcanic sequence?						
300					100%			
		Green coloured section 301.90 - 302.5m., gradational upper and lower contacts over 5cm each. Rotated fragments of green lithic T.R. (Flow top or alteration zone?).						
301					100%			
302					100%			
303					100%			
304					100%			
305		Box # 44 305.24m - 312.40			100%			
		~~304.38 Fault~~						
		Very good core						
306								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS					
			FROM	TO									
306		Feldspar Porphyritic Black Tuff			100%								
		As described previously											
307		Massive											
					100%								
		Siliceous.											
308		Varies from non porphyritic to 20% phenocrysts.											
					100%								
		310.35 - 310.70m green zone diffuse boundaries,											
		includes clasts of Feldspar Porphyritic Black											
309		Tuff.											
					100%								
		Rare irregular QZ veinlets < 1mm Thick											
		variable 30-45° to core axis											
310													
					100%								
311													
					100%								
312													
					100%								
		Box# 45: 312.40m - 319.41m.											
313		Very good core											
					100%								
		FELDSPAR Porphyritic Black Tuff (Ignimbrite?)											
		as previously described											
314		Black											
					100%								
		Massive											
315		Siliceous											

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
315								
Two sanded intrusive fragments, 2-3 cm size.		Bare, irregular calcite veins			100%			
		weak green alteration 315.20 - 315.90 m.						
316								
					100%			
		Black porphyritic Tuff has xenoliths of breccia fragments of the porphyritic tuff supported in massive, aphanitic dark green groundmass						
317								
2mm Ca Vein	75°				100%			
discontinuous 3mm Ca veins	30°							
	45°							
318								
					100%			
2cm Ca Vein 319	85°							
irregular fragments					100%			
		Box # 40 319.41 m - 326.42 m						
320		Very Good Core						
					100%			
		Black, Feldspar porphyritic Tuff (Ignimbrite?)						
321		Massive						
					100%			
		Siliceous.						
322		Small slips at 45°-60° to core axis, all sealed						
					100%			
		322.70 - 324.0 Fragmental pale green-green lithic tuff, contains rare fragments of black feldspar porphyritic tuff 2-20 cm size. Irregular lower contact at 90° to core axis, lower contact sharp at 30° to core axis.						
323								
					100%			
324								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
324					100%			
325					100%			
326					100%			
		Box# 47: 326.42m - 334.09m						
327		Very good core.			100%			
		Black, Feldspar Porphyritic Tuff (Ignimbrite). As previously described						
328		Massive			100%			
		Siliceous.						
329								
		Contacts with interbeds upto 5m of porphyritic tuff, non-porphyritic tuff and breccias of both porphyritic and non-porphyritic tuff.			100%			
330		- The breccias probably mark the tops (or bottoms) of individual eruptive events.			100%			
331					100%			
332					100%			
333								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m) FROM	INTERVAL(m) TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS
333					100%			
334								
		Box# 48 334.09m - 341.21m.			100%			
		Very Good core						
335								
		Black Feldspar Porphyritic Tuff (Ignimbrite			100%			
		Massive						
336								
		Siliceous			100%			
3mm calcite vein.	20° /							
		Interbeds of porphyritic non porphyritic tuff and						
337		brecciated equivalents continue						
					100%			
		Rare calcite veinlets.						
338		Small sections of porphyritic tuff up to 50 cm						
		are faintly banded on mm scale (see type			100%			
1mm calcite vein	30°	sample 338.60 - 338.75m).						
2x irregular discontinuous	40°							
hairline ca veinlets 339								
					100%			
340								
					100%			
341								
		Box # 49: 341.21m - 348.52			100%			
		Very good core.						
342								

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m) FROM	TO	REC'Y	EST. GRADE	SAM. No.	ASSAYS					
342		Black Feldspar Porphyritic Tuff			100%								
		[illegible]											
343		Massive											
					100%								
		siliceous.											
344													
					100%								
345													
					100%								
346													
					100%								
347													
					100%								
348													
					100%								
		Box # 50 348.52 - 349.28 m											
		Black Feldspar porphyritic tuff.											
349													
		349.28 EOH.											
350													
351													

APPENDIX IV

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I Andrew Gourlay, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Ltd. as Senior Geologist.

2. I am a graduate of the University of British Columbia (B.Sc. Hons., 1977, in geology).

3. I am a Professional Geologist in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.

4. I have practised my profession as geologist for ten years.

5. The information used in this report is based on personal execution of the geological mapping and supervision of the rock chip sampling.

PROFESSIONAL GEOLOGIST ANDREW W. GOURLAY ALBERTA

Signed _____

Andrew W. Gourlay

Dated at Vancouver, B.C. this 11th day of February 1988

APPENDIX V

Cost Statement

COST STATEMENT
PARTRIDGE
OCTOBER 1, 1987 to FEBRUARY 29, 1988

Fees	$ 8,159.50
Temporary Staff	4,177.00
Casual Staff - Salary & Wages	17.50
Casual Wages O/R	8.75
Air Fares - Scheduled	632.00
Fuels & Lubricants - Vehicles	30.98
Charter Helicopter	27,167.60
Taxis, Parking, Fares	122.50
Freight	466.85
Drilling	45,643.45
M.Q. Equip. Chg. - Field	152.00
M.Q. Equip. Chg. - Camp	160.00
Equipment Rentals	453.37
Groceries, Kitchen Supplies	1,334.24
Food & Accommodation - in Field	480.61
General Supplies	95.90
Geochemical Analyses	192.00
Telephone, Telex, Telegrams	417.84
Expeditor	8,887.00
Courier/Postage/Air Express	147.92
Drafting	292.50
Reprographics, In House	7.00
Reprographics	42.92
Photocopies, In-House	149.95
Report Prep./Word Processing	199.50
Distribution O/R	8,703.97
Total	$ 108,142.85

Fees

R.V. Longe	3.25	hrs. @	$ 80.00/hr.	$ 260.00
A.W. Gourlay	11.5	days @	385.00/day	4,427.00
	54.25	hrs. @	64.00/hr	3,472.00
				$ 8,159.00

Temporary Staff

R.J. Bilquist	9.0	days @	185.00/day	$ 1,665.00
T. Grossett	16.0	days @	135.00/day	2,160.00
C.M. Russell	11.0	hrs. @	32.00/hrs.	352.00
				$ 4,177.00

APPENDIX VI

Application for a Certificate of Work

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

Resume sent by air - guaranteed flight MARCH 9 88 SE/

(This form required in duplicate with sketch showing location of work.)

I (Name) S.L. Eng	Occupation Claims Manager
(Postal Address) MineQuest Exploration Associates Ltd. 500-164 Water St., Van., B.C., V6B 1B5	OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Part 5 YA 86434

situated at Partridge Lake Claim Sheet No. 105 D/3

in the Whitehorse, Yukon Mining District, to the value of at least $8,000

dollars, since the 1st day of October 19 87.

to represent the following mineral claims under the authority of Grouping Certificate No. _____

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

PART 1988 GROUP

Part 1 YA 86430	Part 2 YA 86431	Part 3 YA 86432
Part 4 YA 86433	Part 5 YA 86434	Part 6 YA 86435
Part 7 YA 86436	Part 8 YA 86437	Part 9 YA 86438
Part 14 YA 86443	Part 16 YA 86445	Part 34 YA 95049
Part 35 YA 95050	Part 44 YA 95239	Part 45 YA 95240
Part 46 YA 95241		

FIVE YEARS REQUESTED FOR THE THE CLAIMS LISTED ABOVE

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

October 29 - November 13, 1987 R.J. Bilquist and A.W. Gourlay supervised 1146 feet of BQ diamond drilling in one hole on PART 5 Claim (5 man drill crew including cook).

Samples analysed in November, December, Report written in December, 1987, January and February, 1988.

Sworn before me at Vancouver, British Columbia

this 9th day of March 19 88

Brian E. Abraham

Notary Public For British Columbia

SEng

Owner or Authorized Agent

BRIAN E. ABRAHAM
Barrister & Solicitor
2500 - 595 BURRARD STREET
P.O. BOX 49200
VANCOUVER, B.C. V7X 1L1