

MAP NO.: ASSESSMENT REPORT X  
104 D 3 PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 092003  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: GEOCHEM. SAMPLING

REPORT FILED UNDER: Sirius Resource Corporation

DATE PERFORMED: July 13-16, 1987

DATE FILED: January 14, 1988

LOCATION: LAT.: 60°03'30"N

AREA: Crozier Creek

LONG.: 135°23'00"W

VALUE \$: 12,300.00

CLAIM NAME & NO.: CRO 1-41 YA96297-96337

WORK DONE BY: A.W. Gourlay

WORK DONE FOR: Sirius Resource Corporation

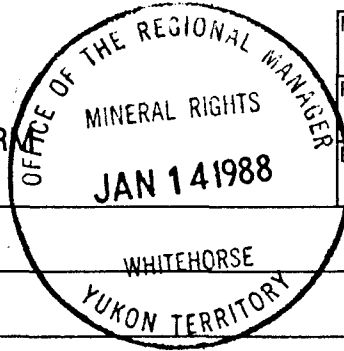
DATE TO GOOD STANDING:


REMARKS: #91 PART

The claims are underlain by Eocene volcanic breccia and lithic tuff. Rusty quartz float found near the head of Crozier Creek contained up to 20 ppm Ag and 55 ppb Au. Quartz boulders on the west side of the claims assayed up to 38.4 g/t Ag and 300 ppb Au.



TRANSMITTAL FORM



M.R. file no.	340-132
R.M.M.R. file no.	
Date forwarded	

From Mining Recorder at: Whitehorse

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

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		\$ 12,938.38 submitted
<input type="checkbox"/> FINANCIAL ABILITY		less 1,200.00 in fare
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	less 630.00 claim recording
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	11,106.25
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims	Claim sheet no.
	Type of report	Submitted by
	Cls. work performed on	\$ req. for ren. application
		Signature

CRD 1-41  
Geochem. Sampling  
CRD 1-41

Minequest Exploration

12,300.00  
1,200.00  
11,100.00

REPLY ACTION

Date returned: 092003

Approved for amount  
required \$11,106.25  
Jan 19, 1988  
7 April, 1988

[Signature]  
Signature

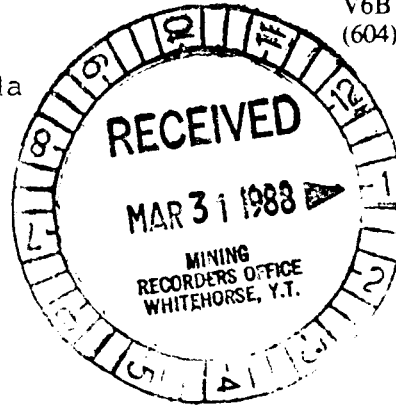
# MineQuest

Exploration Associates Ltd.

March 28, 1988

5th Floor  
164 Water Street  
Vancouver, B.C.  
V6B 1B5  
(604) 669-2251

Indian and Northern Affairs Canada  
Gold Commissioner  
Whitehorse Mining District  
Room 201, Federal Building  
Whitehorse, Yukon  
Y1A 2B5



Attention: Mr. M. Fish

Dear Sir:

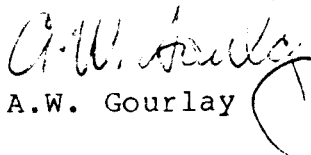
Further to our telephone conversation of March 25, 1988 during which we discussed the \$1,200.00 shortfall in renewing all the CRO claims (CRO 1-41) for three years. This letter will confirm our request that the years applied be reduced from three (3) to two (2) years for the following twelve claims:

<u>CLAIM</u>	<u>RECORD NUMBER</u>
CRO 8	YA 96304
CRO 10	YA 96306
CRO 12	YA 96308
CRO 14	YA 96310
CRO 16	YA 96312
CRO 18	YA 96314
CRO 20	YA 96316
CRO 22	YA 96318
CRO 24	YA 96320
CRO 29	YA 96325
CRO 30	YA 96326
CRO 31	YA 96327

The filing fee applied to these claims should therefore be reduced by \$60.00

Thank you for your assistance in this matter.

Yours truly,

  
A.W. Gourlay

AWG/se  
MQ6

MineQuest Report #178  
Ref. No. RM4401



**CRO CLAIMS**

Crozier Creek  
Southwest Yukon

Whitehorse Mining Division

N.T.S. 105 D/3

Latitude 60° 03' 30" N  
Longitude 135° 23' 00" W



by

A.W. Gourlay

of

MineQuest Exploration Associates Ltd.

for

Sirius Resource Corporation

Claims

CRO 1 - 41

Tag Numbered

YA96297 - 96337

Date Recorded

September 22, 1986

Vancouver, B.C.

December 1987

**092003**

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 \$ ~~10,100.00~~ 11,106.25

*J.P.*

*J.P. Bremer*

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

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3	Preliminary Geology (Plan 1045)	in pocket
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LIST OF APPENDICES

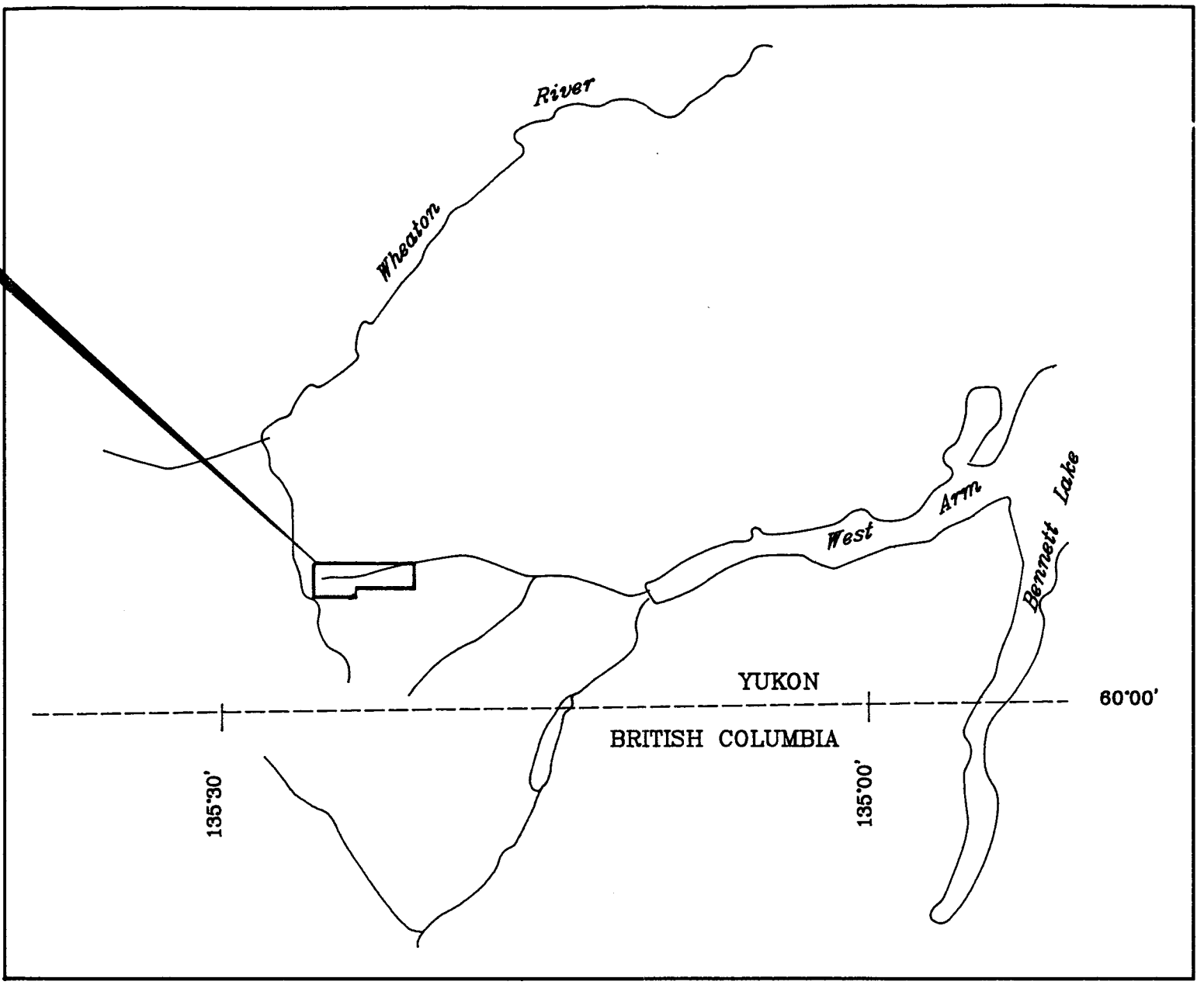
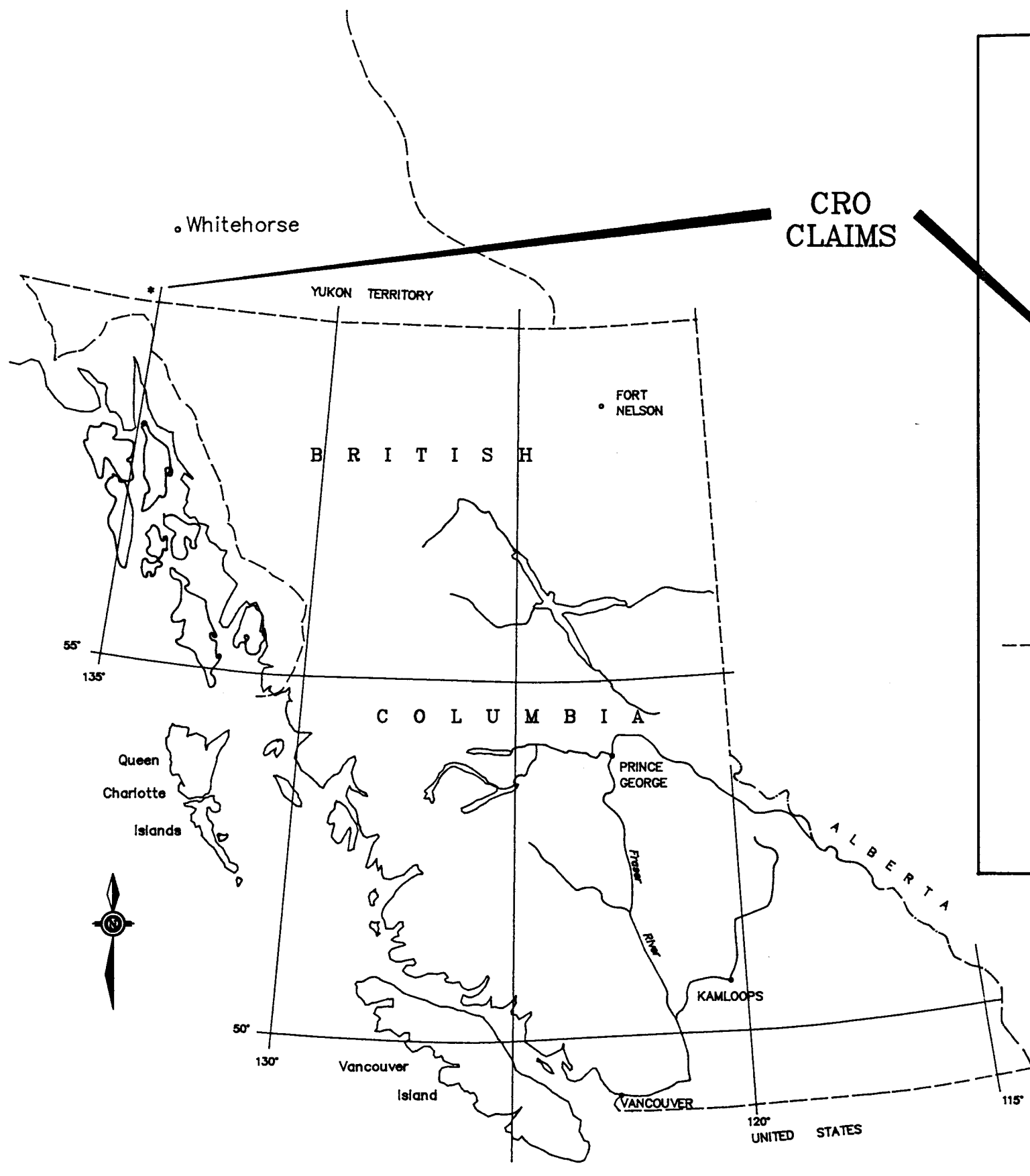
APPENDIX I	Names and Addresses of Persons Performing Work Described in this Report
APPENDIX II	Laboratory Methods and Laboratory Reports
APPENDIX III	Cost Statement
APPENDIX IV	Statement of Qualifications
APPENDIX V	Application for Certificate of Work and Application to Group Mineral Claims

1.0

INTRODUCTION

The CRO claims were staked to cover the contact between basement metamorphic rocks and younger volcanic rocks, where geochemically anomalous gold and silver values have been returned from quartz cemented breccias. The claims fall within the area of interest clause of an option agreement held by Eaglet Mines Ltd. on the PART claims, 18 kilometres to the east-southeast. In 1987 Sirius Resource Corporation assumed Eaglet Mines Ltd.'s obligations. This report describes a prospecting and preliminary geological mapping program carried out during July, 1987.

**CRO CLAIMS**



Scale 1:250,000



Scale 1:10,000,000



SIRIUS RESOURCE CORPORATION  
CRO CLAIMS

LOCATION MAP

PLAN No.	DRAWN BY: GEO-COMP	DATE Oct'87	FIGURE 1
Originator: AWG		N.T.S. 105 D	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

2.0

LOCATION, TOPOGRAPHY AND ACCESS

The CRO claims cover ground between uppermost Crozier Creek and Boudette Creek valley, southern Yukon. The claims are located six kilometres north of the British Columbia - Yukon Territory border, and 75 kilometres south-southwest of Whitehorse.

The claim covers the broad pass between Crozier and Boudette Creeks at an elevation of 1630 metres. The mountains rise precipitously to elevations of 2000 metres to both the north and south, and the west boundary of the claims drops to 1340 metres in Boudette Creek. The claims are for the most part bare outcrop, scree and alluvium, with rare scrub willows and sparse pine in Boudette Creek.

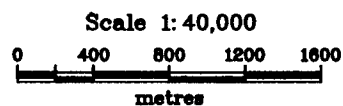
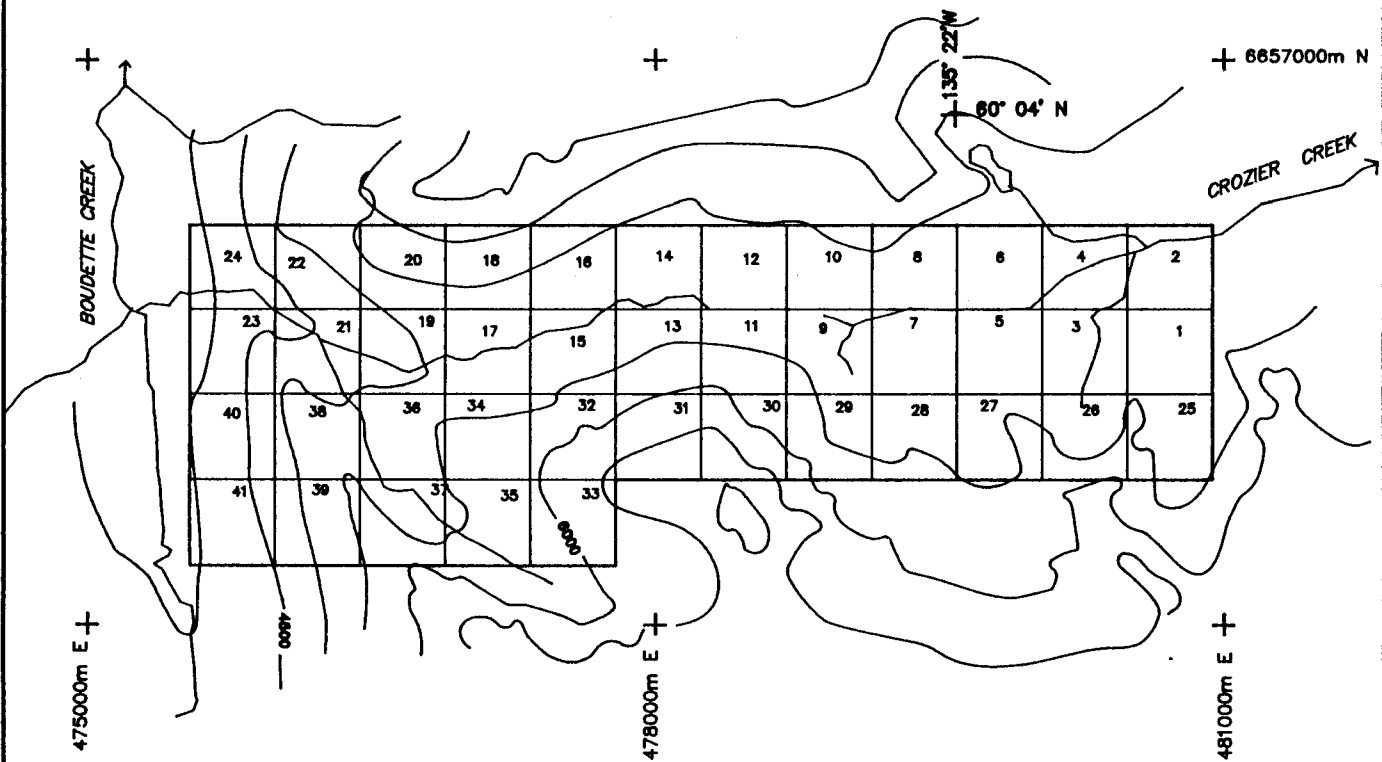
The claims are accessible by helicopter from the Frontier Helicopter Ltd. base at Mt. Skukum, 20 kilometres to the north.

## 3.0

OWNERSHIP AND CLAIM STATUS

The claims consist of the following:

<u>Claim</u>	<u>Tag Number</u>	<u>Date Recorded</u>	<u>Recorded Owner</u>
CRO 1	YA 96297	September 22, 1986	R.J. Bilquist
CRO 2	YA 96298	September 22, 1986	R.J. Bilquist
CRO 3	YA 96299	September 22, 1986	R.J. Bilquist
CRO 4	YA 96300	September 22, 1986	R.J. Bilquist
CRO 5	YA 96301	September 22, 1986	R.J. Bilquist
CRO 6	YA 96302	September 22, 1986	R.J. Bilquist
CRO 7	YA 96303	September 22, 1986	R.J. Bilquist
CRO 8	YA 96304	September 22, 1986	R.J. Bilquist
CRO 9	YA 96305	September 22, 1986	R.J. Bilquist
CRO 10	YA 96306	September 22, 1986	R.J. Bilquist
CRO 11	YA 96307	September 22, 1986	R.J. Bilquist
CRO 12	YA 96308	September 22, 1986	R.J. Bilquist
CRO 13	YA 96309	September 22, 1986	R.J. Bilquist
CRO 14	YA 96310	September 22, 1986	R.J. Bilquist
CRO 15	YA 96311	September 22, 1986	R.J. Bilquist
CRO 16	YA 96312	September 22, 1986	R.J. Bilquist
CRO 17	YA 96313	September 22, 1986	R.J. Bilquist
CRO 18	YA 96314	September 22, 1986	R.J. Bilquist
CRO 19	YA 96315	September 22, 1986	R.J. Bilquist
CRO 20	YA 96316	September 22, 1986	R.J. Bilquist
CRO 21	YA 96317	September 22, 1986	R.J. Bilquist
CRO 22	YA 96318	September 22, 1986	R.J. Bilquist
CRO 23	YA 96319	September 22, 1986	R.J. Bilquist
CRO 24	YA 96320	September 22, 1986	R.J. Bilquist
CRO 25	YA 96321	September 22, 1986	R.J. Bilquist
CRO 26	YA 96322	September 22, 1986	R.J. Bilquist
CRO 27	YA 96323	September 22, 1986	R.J. Bilquist
CRO 28	YA 96324	September 22, 1986	R.J. Bilquist
CRO 29	YA 96325	September 22, 1986	R.J. Bilquist
CRO 30	YA 96326	September 22, 1986	R.J. Bilquist
CRO 31	YA 96327	September 22, 1986	R.J. Bilquist
CRO 32	YA 96328	September 22, 1986	R.J. Bilquist
CRO 33	YA 96329	September 22, 1986	R.J. Bilquist
CRO 34	YA 96330	September 22, 1986	R.J. Bilquist
CRO 35	YA 96331	September 22, 1986	R.J. Bilquist
CRO 36	YA 96332	September 22, 1986	R.J. Bilquist
CRO 37	YA 96333	September 22, 1986	R.J. Bilquist
CRO 38	YA 96334	September 22, 1986	R.J. Bilquist
CRO 39	YA 96335	September 22, 1986	R.J. Bilquist
CRO 40	YA 96336	September 22, 1986	R.J. Bilquist
CRO 41	YA 96337	September 22, 1986	R.J. Bilquist



SIRIUS RESOURCE CORPORATION		
CRO CLAIMS		
CLAIM MAP		
DATE: AUG '87	N.T.S.: 105D/3	FIGURE: 2
MINEQUEST EXPLORATION ASSOCIATES LTD		

Geo Comp Drawing File: cro\claim

## 4.0

HISTORY AND PREVIOUS WORK

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

The 1962 Kennecott Exploration carried out a silt sampling program which led to the acquisition of claims near the centre of the caldera. Recent land holders in the caldera include Noranda Exploration, Kerr Addison Mines Ltd., Agip Canada Ltd., and Omni Resources Inc.

The CRO claims were staked to cover the contact between basement rocks of the Yukon Group and younger volcanic rocks where geochemically anomalous gold and silver values were returned from quartz cemented breccias in basement rocks. In 1986 the claims were examined during a one day traverse by two experienced prospectors.

## 5.0

REGIONAL GEOLOGY

The Bennett Lake caldera and volcanic complex, described by Lambert (1974), straddles the boundary between British Columbia and Yukon Territory. A twin, the Skukum Caldera, lies 12 miles to the north. The Bennett Lake volcanic rocks contain more fragmental material than found in the Skukum Caldera.

Lambert (1974) describes the Bennett Lake caldera as a caldera subsidence complex filled by a succession of predominantly volcanoclastic units, each representing a separate volcanic event. Each unit consists of tuffs, ignimbrites 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 flows. Intrusive rhyolites, in particular a large ring dyke circumscribing the complex, are also present.

6.0

WORK CARRIED OUT in 1987

K.A. Bilquist, R.J. Bilquist and A.W. Gourlay spent July 13 to 16, 1987 prospecting, rock chip sampling and preparing a preliminary geological map of the CRO claims. A total of thirty-nine grab samples were collected and analyzed for gold and silver.

The claims were accessed by helicopter from a fly camp located on the BOUD Claims to the southwest.

## 7.0

RESULTS OF THE 1987 PROGRAM

## 7.1

Property Geology

The CRO claims cover the contact between metamorphic and intrusive basement rocks and younger volcanic rocks where geochemically anomalous gold and silver values were returned from limited sampling of silicified breccia and conglomerate float in 1986.

Lithologies mapped are stratigraphically above the contact with the basement rocks. The most common rock type found on the claims is a metamorphic clast breccia. The breccia is clast supported with angular fragments of well banded biotite-chlorite schist up to 20 cm in size. Less than 20% of the rock is maroon, fine-grained matrix. The breccia weathers grey with well defined fragments and banding. On fresh surfaces maroon and grey banding is well defined on a 1 to 5 mm scale.

Less common are irregular bodies of quartz breccia or quartz pebble conglomerate with silicified matrix. Clasts vary from subrounded to angular, up to 4 cm in size and are supported by a siliceous matrix. Weathered surfaces display both breccia and conglomerate textures.

Rare outcrops of massive cobble to boulder conglomerates are found at the west and east ends of the claim block. Clast content is comprised of 70% subangular to subrounded schist fragments, 20% subrounded intrusive clasts, rare subangular aphanitic siliceous clasts, and rare feldspar porphyritic volcanic clasts.

Although the contact is not seen, the breccias and conglomerates appear to be overlain unconformably by lithic tuff. A break in slope marks the approximate contact location in the east and west drainages. On the eastern half of the claims lithic tuff occurs as distinct rusty talus and subcrop. The lithic tuff is comprised of up to 20% shards, up to 1 cm in length, supported by an aphanitic groundmass. Subrounded quartz phenocrysts, 1 to 2 mm in size, comprise up to 5% of the rock. Subhedral pyrite is very rare, although 2-3% boxwork is disseminated through the tuff.

Prominent cliffs and high elevations at the southern edge of the claim are formed by coarse, grey lithic tuff. Shards are up to 10 cm in length and 1 cm in thickness, and are matrix supported. Shards appear to be very fine-grained equivalents of the matrix.

## 7.2 Mineralization

Two areas have returned geochemically anomalous gold and silver values from rock samples.

On the eastern portion of the claims, near the headwaters of Crozier Creek, three samples of quartz returned silver values up to 20 ppm and one returned 55 ppb gold. The quartz float samples are rusty, carry traces of pyrite and rare galena and are found in an area of quartz breccias and silicified quartz pebble conglomerate associated with metamorphic clast breccia. A heavy mineral sample collected from the stream draining this area returned a strong gold anomaly in the fine fraction.

On the west half of the claim block, pyrite and galena bearing quartz float is found on a shoulder between "Blue" Lake and a tributary draining west into Boudette Creek. Angular white quartz boulders, up to 1 metre in size, occur with metamorphic clast breccia subcrop and rubble. Silver values range up to 1.12 oz./ton, and of 29 samples collected, 5 have returned gold values in excess of 100 ppb, with a high of 300 ppb.

## 8.0

DISCUSSION AND PRELIMINARY CONCLUSIONS

The CRO Claims cover the contact between the basement of Paleozoic Yukon Group and Cretaceous granodiorite with Eocene volcanic rocks. Both Crozier and Boudette Creeks mark the margins of the Bennett Lake caldera, and are parallel to rhyolite ring dikes and related intrusions.

Lambert (1974) mapped intrusive contacts between Yukon Group schists and granodiorite of the Coast Plutonic Complex with little apparent faulting. Likewise, Eocene volcanic rocks are mapped as lying unconformably on the basement. However, the presence of a strong ring dike structure around the caldera suggests faulting parallel to the caldera margin. Faulting may have controlled the movement of mineralizing fluids and channelled them into a receptive host such as quartz breccias and quartz pebble conglomerates, found on the eastern portion of the claim block. However, the quartz breccias and quartz pebble conglomerates are hosted by metamorphic rocks of the Yukon Group.

On the western portion of the claims the quartz is hosted by Yukon Group metamorphic rocks as well. Here granodiorite of the Coast Plutonic Complex outcrops downslope to the west, some 100 metres lower in elevation. The abundant quartz float may be related to intrusion of the granodiorite.

Two areas of geochemically anomalous gold and silver values in rocks are present on the CRO claims. The anomalous area on the east part of the claims also covers the drainage of a creek with a strong heavy mineral response. In both

areas the anomalous gold and silver values are found in quartz float or subcrop hosted by biotite-chlorite schists of the Yukon Group. The quartz float appears to be coming from faults near the margin of the Bennett Lake caldera. Further mapping and sampling is warranted to further define the source of the gold and silver bearing quartz float.

## 9.0

RECOMMENDATIONS

Both the east and west anomalous zones should be mapped and sampled in detail. A chain and picket baseline over the west zone will provide control for sample location and mapping. A contour soil sample survey is recommended for the east zone, and composite rock ship sampling should be used on the west zone.

The follow-up program described above will take about ten days to complete and will cost approximately \$45,000. Work on CRO claims should follow the BOUD claims program in late July when snow cover is minimal.

10.0

REFERENCES

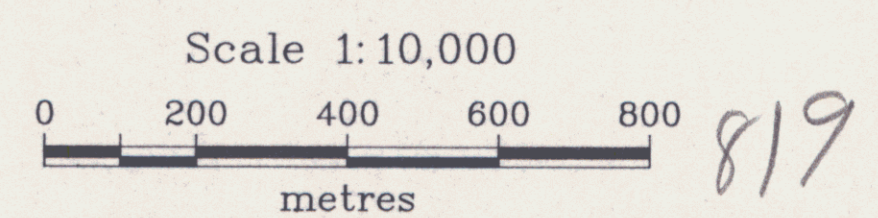
GOURLAY, A.W., 1986. Bennett Lake Regional - Final Report, Unpublished Report for Eaglet Mines Ltd., MineQuest Exploration Associates Ltd., Report No. 141.

LAMBERT, M.B., 1974. The Bennett Lake Cauldron Subsidence Complex, British Columbia and Yukon Territory, GSC Bulletin 227.

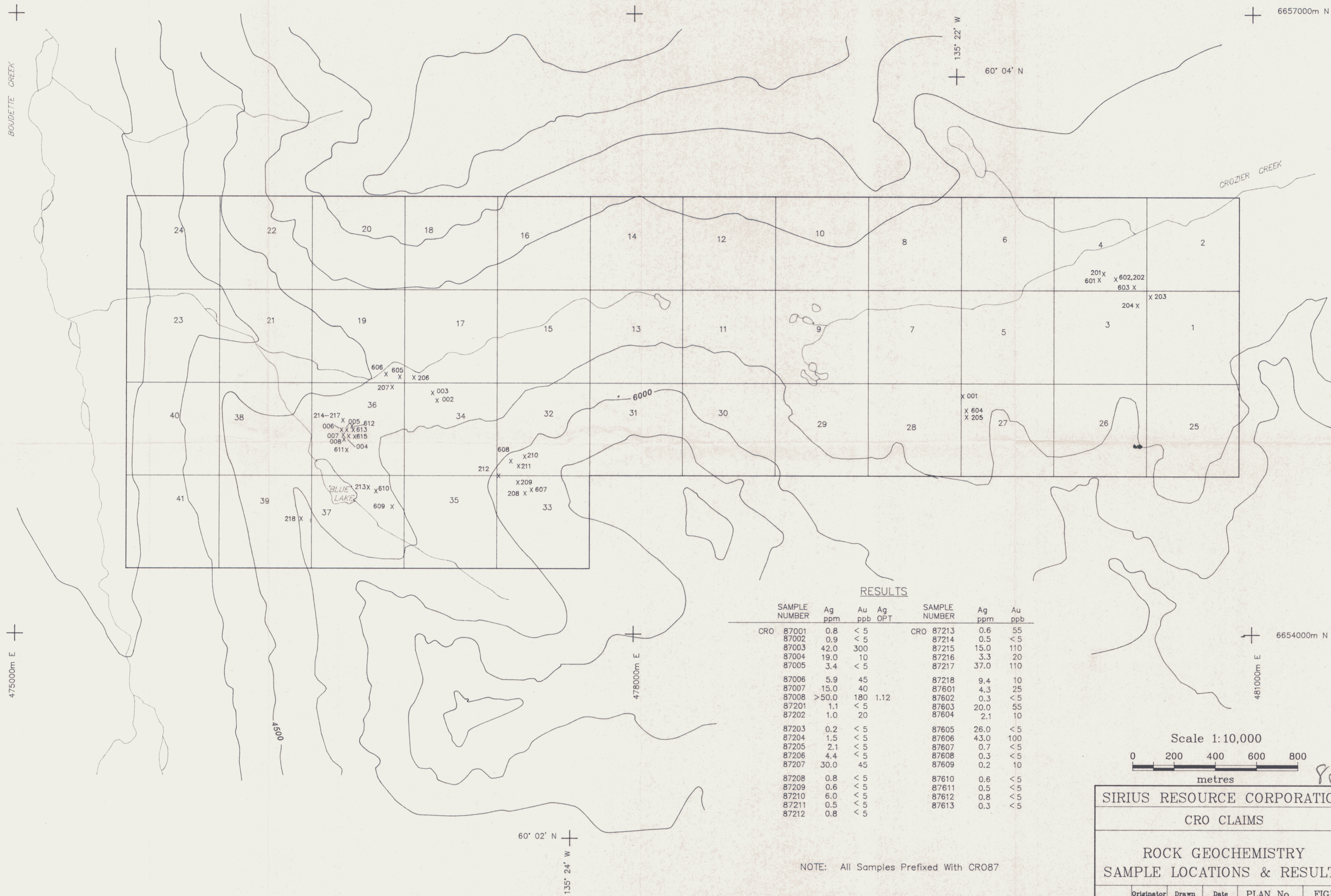
6657000m N



- LEGEND**
- Outcrop Area
  - Contact known, approximate
  - 4** Lithic Tuff
  - 3** Cobble to boulder conglomerate
  - 2** Granodiorite
  - 1** Yukon Group: Biotite - mica schist, breccia, quartz breccia, quartz pebble conglomerate



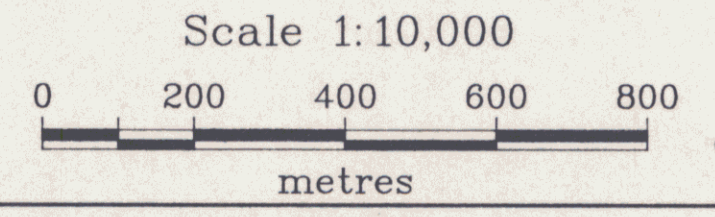
SIRIUS RESOURCE CORPORATION				
CRO CLAIMS				
PRELIMINARY GEOLOGY				
Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	Oct.'87	1045
Revision				N.T.S.
Revision				105D/3
MINEQUEST EXPLORATION ASSOCIATES LTD.				



RESULTS

SAMPLE NUMBER	Ag ppm	Au ppb	Ag OPT	SAMPLE NUMBER	Ag ppm	Au ppb
CRO 87001	0.8	< 5		CRO 87213	0.6	55
87002	0.9	< 5		87214	0.5	< 5
87003	42.0	300		87215	15.0	110
87004	19.0	10		87216	3.3	20
87005	3.4	< 5		87217	37.0	110
87006	5.9	45		87218	9.4	10
87007	15.0	40		87601	4.3	25
87008	>50.0	180	1.12	87602	0.3	< 5
87201	1.1	< 5		87603	20.0	55
87202	1.0	20		87604	2.1	10
87203	0.2	< 5		87605	26.0	< 5
87204	1.5	< 5		87606	43.0	100
87205	2.1	< 5		87607	0.7	< 5
87206	4.4	< 5		87608	0.3	< 5
87207	30.0	45		87609	0.2	10
87208	0.8	< 5		87610	0.6	< 5
87209	0.6	< 5		87611	0.5	< 5
87210	6.0	< 5		87612	0.8	< 5
87211	0.5	< 5		87613	0.3	< 5
87212	0.8	< 5				

NOTE: All Samples Prefixed With CR087



820

SIRIUS RESOURCE CORPORATION  
CRO CLAIMS

ROCK GEOCHEMISTRY  
SAMPLE LOCATIONS & RESULTS

Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp Oct. '87	1046	4
Revision			N.T.S.	
Revision			105D/3	

MINEQUEST EXPLORATION ASSOCIATES LTD.

**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

K.A. Bilquist  
Box 81  
Gabriola Island, B.C.  
V0R 1X0

R.J. Bilquist  
Box 81  
Gabriola Island, B.C.  
V0R 1X0

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

**APPENDIX II**

Laboratory Methods

and

Laboratory Reports

## APPENDIX II

### Laboratory Methods

All samples were sent to Bondar-Clegg and Co., Whitehorse, Yukon for preparation. Pulps were shipped to Bondar-Clegg and Co., North Vancouver, B.C. for analysis.

All samples were processed as follows. The entire sample was put through a primary jaw crusher followed by a secondary cone crusher, which reduced the sample to 80% minus 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% minus 150 mesh.

The samples were analysed as follows:

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

Silver: Lefort aqua regia extraction, atomic absorption determination

Formal assays for silver were carried out by fire assay collection, followed by gravimetric determination.

Bondar-Clegg & Company Ltd.  
 130 Pemberton Ave.  
 North Vancouver, B.C.  
 Canada V7P 2R5  
 Phone: (604) 983-0681  
 Telex: 04-352667



Geochemical  
 Lab Report

REPORT: 127-4974 ( COMPLETE )

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.  
 PROJECT: NONE GIVEN **CRO/BOU**

SUBMITTED BY: AWG  
 DATE PRINTED: 5-AUG-87

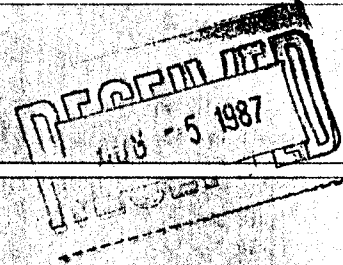
ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag Silver	121	0.1 PPM	HN03-HCL HOT EXTR	Atomic Absorption
2	Au Gold - Fire Assay	121	5 PPB	FIRE-ASSAY	Fire Assay AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R - ROCK OR BED ROCK	121	2 -150	121	CRUSH,PULVERIZE	-150 121

REMARKS: ASSAY OF HIGH Ag TO FOLLOW ON 627-4974.

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

INVOICE TO: MINEQUEST EXPLORATIONS



[Large blank area with faint background patterns and noise]

REPORT: 127-4974

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 BOU 87012		19.0	20	R2 BOU 87241		6.6	<5
R2 BOU 87013		1.8	5	R2 BOU 87242		15.0	<5
R2 BOU 87014		40.0	5	R2 BOU 87243		1.0	<5
R2 BOU 87015		1.1	<5	R2 BOU 87244		45.0	<5
R2 BOU 87016		0.8	25	R2 BOU 87245		>50.0	<5
R2 BOU 87017		1.4	<5	R2 BOU 87246		1.8	<5
R2 BOU 87018		0.3	10	R2 BOU 87247		>50.0	<5
R2 BOU 87019		0.3	<5	R2 BOU 87248		9.7	<5
R2 BOU 87020		1.7	<5	R2 BOU 87249		7.6	<5
R2 BOU 87021		1.6	<5	R2 BOU 87250		23.0	<5
R2 BOU 87022		0.4	<5	R2 BOU 87251		47.0	<5
R2 BOU 87023		1.7	<5	R2 BOU 87616		9.4	<5
R2 BOU 87024		0.4	<5	R2 BOU 87617		7.0	<5
R2 BOU 87214		0.5	<5	R2 BOU 87618		2.6	<5
R2 BOU 87215		30.0	5	R2 BOU 87619		4.6	<5
R2 BOU 87216		9.5	<5	R2 BOU 87620		>50.0	20
R2 BOU 87217		8.0	<5	R2 BOU 87621		5.4	<5
R2 BOU 87218		33.0	<5	R2 BOU 87622		1.9	<5
R2 BOU 87219		29.0	<5	R2 BOU 87623		9.3	<5
R2 BOU 87220		42.0	<5	R2 BOU 87624		3.6	<5
R2 BOU 87221		3.3	<5	R2 BOU 87625		0.6	<5
R2 BOU 87222		16.0	<5	R2 BOU 87626		0.6	10
R2 BOU 87223		26.0	5	R2 BOU 87627		0.5	45
R2 BOU 87224		48.0	5	R2 BOU 87628		1.1	<5
R2 BOU 87225		1.2	<5	R2 BOU 87629		0.5	<5
R2 BOU 87226		45.0	2900	R2 BOU 87630		0.8	<5
R2 BOU 87227		1.7	<5	R2 BOU 87631		4.9	<5
R2 BOU 87228		1.0	<5	R2 BOU 87632		3.1	<5
R2 BOU 87229		9.3	220	R2 BOU 87633		5.5	<5
R2 BOU 87230		4.0	180	R2 BOU 87634		2.0	<5
R2 BOU 87231		0.9	<5	R2 BOU 87635		0.8	5
R2 BOU 87232		2.0	<5	R2 BOU 87636		8.1	20
R2 BOU 87233		2.6	<5	R2 BOU 87637		38.0	<5
R2 BOU 87234		21.0	<5	R2 BOU 87638		2.4	<5
R2 BOU 87235		1.6	<5	R2 BOU 87639		0.8	<5
R2 BOU 87236		1.3	<5	R2 BOU 87640		49.0	<5
R2 BOU 87237		3.8	40	R2 BOU 87641		12.0	<5
R2 BOU 87238		0.5	<5	R2 BOU 87642		1.7	<5
R2 BOU 87239		0.5	<5	R2 BOU 87643		2.8	<5
R2 BOU 87240		1.1	<5	R2 BOU 87644		6.0	<5

This page not applicable to this report, but must be included as a complete laboratory report.



REPORT: 127-4974

PROJECT: NONE GIVEN PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 BOU 87645		4.3	<5	R2 CRO 87613		0.3	<5
R2 BOU 87646		1.1	<5				
R2 CRO 87001		0.8	<5				
R2 CRO 87002		0.9	<5				
R2 CRO 87003		42.0	300				
N/A this report							
R2 CRO 87004		19.0	10				
R2 CRO 87005		3.4	<5				
R2 CRO 87006		5.9	45				
R2 CRO 87007		15.0	40				
R2 CRO 87008		>50.0	180				
R2 CRO 87201		1.1	<5				
R2 CRO 87202		1.0	20				
R2 CRO 87203		0.2	<5				
R2 CRO 87204		1.5	<5				
R2 CRO 87205		2.1	<5				
R2 CRO 87206		4.4	<5				
R2 CRO 87207		30.0	45				
R2 CRO 87208		0.8	<5				
R2 CRO 87209		0.6	<5				
R2 CRO 87210		6.0	<5				
R2 CRO 87211		0.5	<5				
R2 CRO 87212		0.8	<5				
R2 CRO 87213		0.6	55				
R2 CRO 87214		0.5	<5				
R2 CRO 87215		15.0	110				
R2 CRO 87216		3.3	20				
R2 CRO 87217		37.0	110				
R2 CRO 87218		9.4	10				
R2 CRO 87601		4.3	25				
R2 CRO 87602		0.3	<5				
R2 CRO 87603		20.0	55				
R2 CRO 87604		2.1	10				
R2 CRO 87605		26.0	<5				
R2 CRO 87606		43.0	100				
R2 CRO 87607		0.7	<5				
R2 CRO 87608		0.3	<5				
R2 CRO 87609		0.2	10				
R2 CRO 87610		0.6	<5				
R2 CRO 87611		0.5	<5				
R2 CRO 87612		0.8	<5				

Bondar-Clegg & Company Ltd.  
 130 Pemberton Ave.  
 North Vancouver, B.C.  
 Canada V7P 2R5  
 Phone: (604) 983-0681  
 Telex: 04-352667



Certificate  
 of Analysis

copy to Mr. Specker  
 11 Aug 87

RECEIVED  
 AUG 17 1987

REPORT: 627-4974 ( COMPLETE )

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.  
 PROJECT: NONE GIVEN *See BO/CRD*

SUBMITTED BY: AWG  
 DATE PRINTED: 17-AUG-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag Silver	4	0.01 OPT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	4	2 -150	4	AS RECEIVED, NO SP	4

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

INVOICE TO: MINEQUEST EXPLORATIONS

Multiple empty rectangular boxes for additional information or signatures.



REPORT: 627-4974

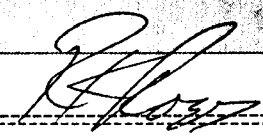
PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
---------------	---------------	--------

R2 BOU 87245		2.05
R2 BOU 87247		3.68
R2 BOU 87620		3.69
R2 CRO 87008		1.12

N/A this report

  
-----  
Registered Assayer, Province of British Columbia

**APPENDIX III**

Cost Statement

### COST STATEMENT

#### Fees

A.W. Gourlay	4.0 days at \$385.00	\$1,540.00	
A.W. Gourlay	13.5 hrs. at \$ 64.00	846.00	
		<hr/>	\$ 2,404.00

#### Temporary Staff

Kelly Bilquist	4.5 days at \$135.00	607.50	
Ron Bilquist	4.5 days at \$185.00	832.50	
		<hr/>	1,440.00

#### Disbursements

Air fares	1,202.13	
Rental vehicles	46.12	
Fuels & lubricants	5.96	
Charter Helicopter	2,899.80	
Taxis, fares	22.60	
MQ field equipment charges	80.00	
MQ camp equipment charges	100.00	
Groceries	307.26	
Food, accommodation	138.11	
General supplies	87.50	
Claim recording and renewal	630.00	
Courier, postage	47.09	
Freight	142.17	
Analyses	465.60	
Communications	151.95	
Expeditor	793.58	
Drilling	620.00	
Reprographics, in house	55.00	
Photocopies in house	63.75	
Maps	.33	
Report, Word processing	150.00	
Reproduction	250.00	
Miscellaneous	8.66	
Program management	826.77	
	<hr/>	9,094.38
		<hr/>
		\$ 12,938.38

**APPENDIX IV**

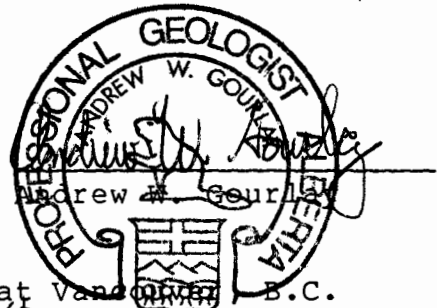
Statement of Qualifications

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.

Signed



Dated at Vancouver, B.C.  
this 31<sup>st</sup> day of December, 1987

**APPENDIX V**

Application for a Certificate of Work  
and  
Application to Group Mineral Claims

## APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT Whitehorse

I (We) the undersigned owner(s) or agent(s) of the owner(s) of the following Mineral Claims  
CRO 1987 East Group

OFFICE DATE STAMP

GRANT NUMBER(S)	CLAIM NAME(S)	LOCATION	CLAIM SHEET NO.
YA 96297	CRO 1	Crozier Creek	105D/3
YA 96298	CRO 2		
YA 96299	CRO 3		
YA 96300	CRO 4		
YA 96301	CRO 5		
YA 96302	CRO 6		
YA 96303	CRO 7		
YA 96304	CRO 8		
YA 96321	CRO 25		
YA 96322	CRO 26		
YA 96323	CRO 27		
YA 96324	CRO 28		
YA 96325	CRO 29		

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of Section 52 of the Yukon Quartz Mining Act for a certificate in Form "E"

I (We) hereby certify that the above claims are adjoining as shown on attached sketch

DATED AT Vancouver

THIS 11TH DAY OF September 19 87

S. Eng  
S. Eng

for Ronald J. Bilguist

and for Leslie . Allen

owner(s) signature

FOR OFFICE USE ONLY

FORM "E" NO.

RECEIPT NO.

DATE APPLIED



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

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

I (Name)	S. Eng	Occupation	Claims Manager
(Postal Address)	Inequest Exploration 500-164 Water St V6B 1B5		OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- 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)

CRO 3 YA 96299      CRO 7 YA 96303  
CRO 4 YA 96300  
CRO 5 YA 96301  
CRO 26 YA 96322

situated at Crozier Creek Claim Sheet No. 105D/3  
in the Whitehorse Mining District, to the value of at least \_\_\_\_\_  
dollars, since the 1ST day of June 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).

Three years renewal  
requested for the  
following claims.

CRO 1987 East Group

CRO 1 YA 96297	CRO 25 YA 96321
CRO 2 YA 96298	CRO 26 YA 96322
CRO 3 YA 96299	CRO 27 YA 96323
CRO 4 YA 96300	CRO 28 YA 96324
CRO 5 YA 96301	CRO 29 YA 96325
CRO 6 YA 96302	
CRO 7 YA 96303	
CRO 8 YA 96304	

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 63.)

July 13-17; R. Bilguist, A. Gourlay carried out prospecting, rock chip sampling and preliminary geological mapping.

Sworn before me at Vancouver British Columbia  
this 16<sup>th</sup> day of September 19 87

Brian E. Abraham

Notary Public For British Columbia

S. Eng

Owner or Authorized Agent

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

YUKON QUARTZ MINING ACT  
APPLICATION TO GROUP MINERAL CLAIMS

**MINING DISTRICT** Whitehorse

I (We) the undersigned owner(s) or agent(s) of the owner(s) of the following Mineral Claims

CRO 1987 West Group

OFFICE DATE STAMP

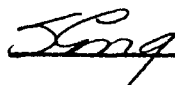
GRANT NUMBER(S)	CLAIM NAME(S)	LOCATION	CLAIM SHEET NO.
YA 96317	CRO 21	Boudette Creek	105D/3
YA 96318	CRO 22		
YA 96319	CRO 23		
YA 96320	CRO 24		
YA 96328	CRO 32		
YA 96329	CRO 33		
YA 96330	CRO 34		
YA 96331	CRO 35		
YA 96332	CRO 36		
YA 96333	CRO 37		
YA 96334	CRO 38		
YA 96335	CRO 39		
YA 96336	CRO 40		
YA 96337	CRO 41		

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of Section 52 of the Yukon Quartz Mining Act for a certificate in Form "E"

I (We) hereby certify that the above claims are adjoining as shown on attached sketch

DATED AT Vancouver

THIS 11TH DAY OF September 19 87

  
\_\_\_\_\_  
S. Eng

\_\_\_\_\_  
for Ronald J. Bilguist

\_\_\_\_\_  
and for Leslie O. Allen

owner(s) signature

<b>FOR OFFICE USE ONLY</b>
FORM "E" NO.
RECEIPT NO.
DATE APPLIED



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

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

(Name)	S. Eng	Occupation	Claims Manager
(Postal Address)	Minequest Exploration 500-164 Water St V6B 1B5		OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- 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)

CRO 21 YA 96317      CRO 23 YA 96319  
CRO 36 YA 96332  
CRO 34 YA 96330  
CRO 35 YA 96331

situated at Boudette Creek Claim Sheet No. 105D/3  
in the Whitehorse Mining District, to the value of at least \_\_\_\_\_  
dollars, since the 1ST day of June 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).

CRO 1987 West Group

Three years	CRO 21	YA	96317	CRO 37	YA	96333
renewal re-	CRO 22	YA	96318	CRO 38	YA	96334
quested for the	CRO 23	YA	96319	CRO 39	YA	96335
following claims.	CRO 24	YA	96320	CRO 40	YA	96336
	CRO 32	YA	96328	CRO 41	YA	96337
	CRO 33	YA	96329			
	CRO 34	YA	96330			
	CRO 35	YA	96331			
	CRO 36	YA	96332			

- 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.)

July 13-17; R. Bilguist, K. Bilguist, A. Gourlay carried out prospecting, rock chip sampling, and preliminary geological mapping on CRO 33, 34, 35, 36, 38, 21, 23, 40 claims.

Sworn before me at Vancouver, British Columbia  
this 6<sup>th</sup> day of September 19 87

Brian E. Abraham  
Notary Public For British Columbia

S. Eng  
Owner or Authorized Agent

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT Whitehorse

(We) the undersigned owner(s) or agent(s) of the owner(s) of the following Mineral Claims

CRO 1987 North Group

OFFICE DATE STAMP

GRANT NUMBER(S)	CLAIM NAME(S)	LOCATION	CLAIM SHEET NO.
YA 96305	CRO 9	Crozier Creek	105D/3
YA 96306	CRO 10		
YA 96307	CRO 11		
YA 96308	CRO 12		
YA 96309	CRO 13		
YA 96310	CRO 14		
YA 96311	CRO 15		
YA 96312	CRO 16		
YA 96313	CRO 17		
YA 96314	CRO 18		
YA 96315	CRO 19		
YA 96316	CRO 20		
YA 96326	CRO 30		
YA 96327	CRO 31		

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of Section 52 of the Yukon Quartz Mining Act for a certificate in Form "E"

I (We) hereby certify that the above claims are adjoining as shown on attached sketch

DATED AT Vancouver

THIS 11TH DAY OF September 19 87



S. Eng

for Ronald. J. Bilguist

and for Leslie O. Allen

owner(s) signature

<b>FOR OFFICE USE ONLY</b>
FORM "E" NO.
RECEIPT NO.
DATE APPLIED



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

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

(Name) S. Eng	Occupation Claims Manager	OFFICE DATE STAMP
(Postal Address) Inequist Exploration 500-164 Water St V6B 1B5		

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- 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)

CRO 19 YA 96315  
CRO 17 YA 96313  
CRO 9 YA 96305

situated at Crozier Creek Claim Sheet No. 105D/3  
in the Whitehorse Mining District, to the value of at least \_\_\_\_\_  
dollars, since the 1ST day of June 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).

Boud 1987 North Group

Three years renewal  
is requested for the  
following claims.

CRO 9 YA 96305	CRO 18 YA 96314
CRO 10 YA 96306	CRO 19 YA 96315
CRO 11 YA 96307	CRO 20 YA 96316
CRO 12 YA 96308	CRO 30 YA 96326
CRO 13 YA 96309	CRO 31 YA 96327
CRO 14 YA 96310	
CRO 15 YA 96311	
CRO 16 YA 96312	
CRO 17 YA 96313	

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 63.)

July 13-17; R. Biguist, A. Gourlay carried out prospecting, rock chip sampling, and preliminary geological mapping on CRO 19, 17, 15, 16, 14 claims.

Sworn before me at Vancouver, British Columbia  
this 16<sup>th</sup> day of September 19 87

Brian E. Abraham  
Notary Public For British Columbia

[Signature]  
Owner or Authorized Agent

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