



**MARIE PROPERTY  
Graham Island  
Queen Charlotte Islands, B.C.**

MINERAL CLAIMS: M #1 - #6  
NTS 103 F/8W and 9W  
SKEENA MINING DIVISION  
LATITUDE 53° 29'N      LONGITUDE 132° 21'36"W

**REPORT ON THE MARIE PROPERTY  
GEOLOGICAL AND GEOCHEMICAL  
RESULTS OF THE 1987 EXPLORATION PROGRAM**

PREPARED FOR: BARRON INTERNATIONAL RESOURCES INC.  
545 - 1130 WEST PENDER STREET  
VANCOUVER, B.C. V6E 4A4

by

D.R. Bennett, B.Sc.  
J.S. Christie, Ph.D.

Owner            - Barron International Resources Inc.  
Operator        - Barron International Resources Inc.  
Contractor      - Gimlex Enterprises Limited

November 1, 1987

## TABLE OF CONTENTS

LIST OF ILLUSTRATIONS	1
INTRODUCTION	2
PREVIOUS WORK	2
LOCATION, TOPOGRAPHY AND ACCESS	4
MINERAL CLAIMS	5
GENERAL GEOLOGY	8
LOCAL GEOLOGY	8
TARGET No. 2	10
a) Geology	10
b) Alteration	11
c) Geochemistry	12
DISCUSSION AND RECOMMENDATIONS	13
DETAILED COST STATEMENT	15
DETAILED TIME CHARGES	16
CERTIFICATE OF QUALIFICATIONS - D.R. Bennett	17
- J.S. Christie	18
BIBLIOGRAPHY	19

## LIST OF ILLUSTRATIONS

FIGURE 1.	PROPERTY LOCATION MAP	6
FIGURE 2.	CLAIM MAP	7
FIGURE 3.	LOCAL GEOLOGY MAP	9
FIGURE 4.	GEOLOGY - MARIE PROPERTY	In Pocket
FIGURE 5.	GOLD GEOCHEMISTRY - MARIE PROPERTY + ARSENIC GEOCHEMISTRY	In Pocket

## INTRODUCTION

The Marie Property is located in central Graham Island in the Queen Charlotte Islands. It is comprised of 6 mineral claims (63 units) which cover about 1725 hectares. The claim block is within sight of the City Resources (formerly Consolidated Cinola Mines Ltd.) Property located just to the east. The initial staking was done in May 1978 based on the results of prospecting and reconnaissance work which showed that the alteration and stratigraphy is similar to the City Resources Property. Follow up work showed broad arsenic geochemical anomalies associated with silicified Tertiary volcanics.

Detailed mapping and sampling at a 1:1000 scale was completed in August 1987 on an area located just NW of Sheila Lake. The objective of the program was to further delineate alteration patterns and geochemical anomalies to target likely areas for drilling.

## PREVIOUS WORK

Parts of the present property were first staked in May of 1978 after prospecting work and reconnaissance geochemical sampling in 1977 and early 1978 had indicated an area around Marie and Sheila Lakes to have strong zones of silicification associated with sulfide mineralization and highly anomalous gold, arsenic, and mercury geochemistry. Additional staking was done in June 1978, August 1978, October 1978, April 1979, August 1979, and August 1980 as work progressed on the property. In

July of 1982 a decision was made to abandon and restake the entire property in order to simplify maintenance of the claims which had six different Record Dates. All claims were formally abandoned and the M (#1 - #6) claims staked covering the areas of interest. A new Record Date of August 4, 1982 was established for the entire property.

The Property was optioned by Chevron Standard Limited in 1978 and in 1979 a contract was given to JMT Services Corp. to complete a program of geological mapping and grid geochemistry. Mapping showed that large portions of the claim block are underlain by Tertiary volcanics of the Masset Formation, lying unconformably on poorly exposed Mesozoic argillites and sandstones cut by diorite. Zones of sulfide mineralization associated with weak to strong silicification and bleaching were mapped within both the volcanics and sediments at a number of locations. Large arsenic, mercury and gold soil anomalies were shown to be associated with these sulfide zones. The Tertiary unconformity was believed to play an important role in the control and localization of mineralization.

In October of 1979, Chevron mobilized a percussion drill to the Charlottes for work on two other properties, but made a decision to drill a series of 6 holes along a logging road which cut through one of the anomalous areas identified previously. Two of the holes encountered 60 foot intercepts of anomalous gold-arsenic geochemistry which are of considerable interest but no follow-up work was ever done.

In 1980 Chevron geologists completed a limited program of detailed geological mapping and rock chip sampling in a small area northwest of Sheila Lake. A number of light coloured rhyolitic dykes containing sulfides were mapped in the areas with anomalous geochemistry. Chevron conducted additional geological and geochemical surveys in the northwest part of the property in 1980 and 1981 prior to terminating their option in 1982. No work programs have been done on the property since 1981.

In October 1986, the M1, M3 and M6 claims were staked by Lawrence Hewitt and Barron International Resources Inc. has obtained an option on the M1 through M6 claims.

#### LOCATION, TOPOGRAPHY AND ACCESS

The property is located on central Graham Island, in the Queen Charlottes, some 740 km northwest of Vancouver (figure 1). The claims are situated on the upper drainage of Gold Creek which includes the rolling terrain between Sheila, Pam and Marie Lakes and the steep hill lying immediately west of Sheila Lake. Gold Creek Valley is 1500 metres wide east of Marie Lake but widens to an area of flat terrain between Marie, Pam and Sheila Lakes. This low lying area is variably covered in hemlock-spruce forest and cedar-cypress swamps with the steeper slopes being heavily timbered with mature hemlock-spruce. A minor amount of second growth, about fifteen years old, covers the southeast portion of the claim block.

Access to the property is excellent. The Queen Charlotte

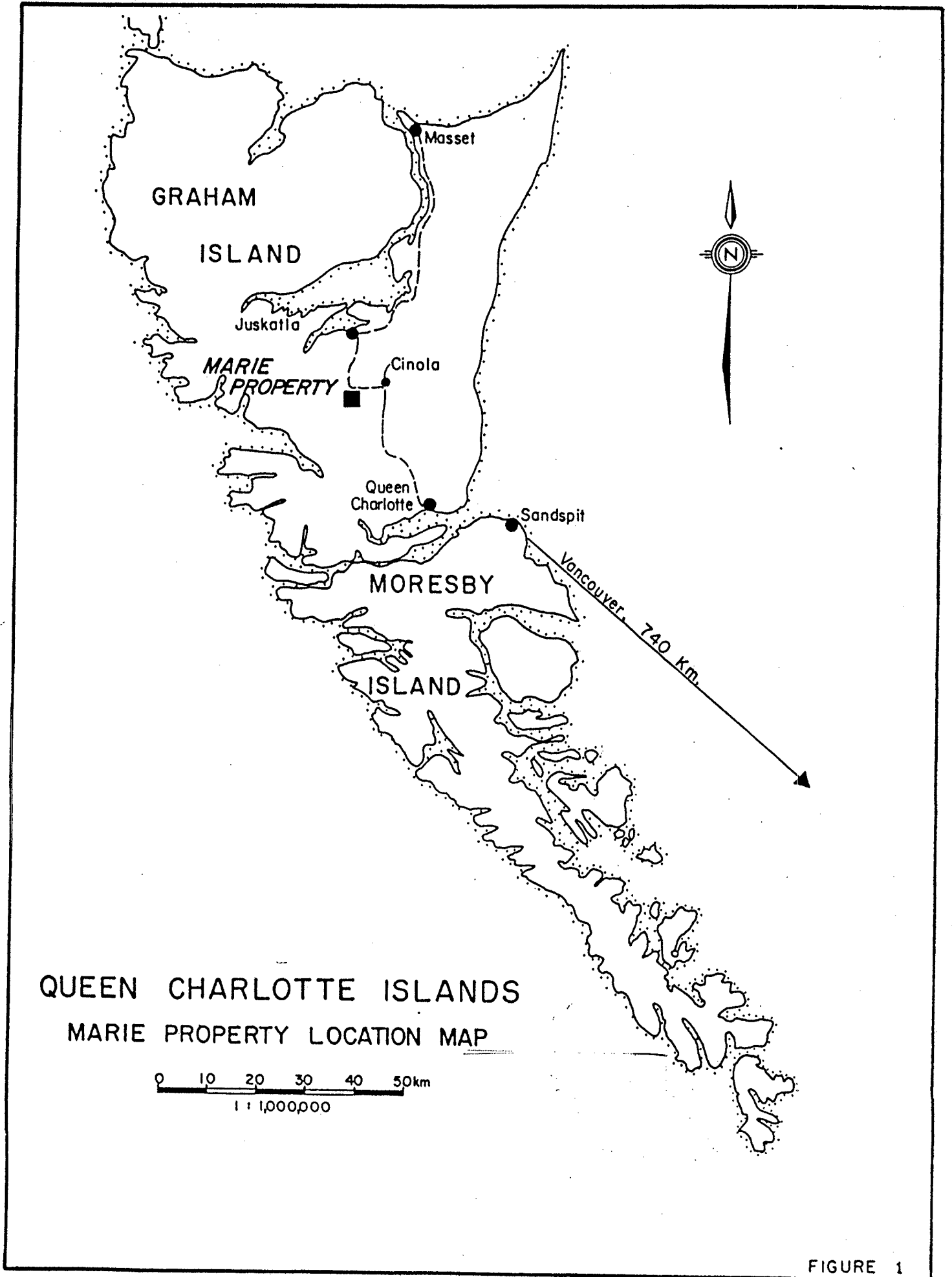
Islands may be reached by daily Canadian Airlines jet service from Vancouver, or twice weekly ferry service from Prince Rupert. The property itself is accessible by road by driving south from Juskatla along MacMillan Bloedel's main haulage road for 20 kilometres to Branch 30 which cuts through the centre of the property to the east side of Sheila Lake. Recent logging (Spring 1987) was completed on the hill just west of Pam Lake allowing access by road to all areas of the claim block. The property area may also be reached by going north through Queen Charlotte City along the main haulage road.

#### MINERAL CLAIMS

The property consists of the M #1 - #6 mineral claims described below and shown on accompanying claim map (figure 2).

<u>NAME</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>RECORD DATE</u>	<u>EXPIRY YEAR</u>
M1	5588 (10)	12 (3N,4W)	Oct. 27/86	1987
M2	3530 ( 8)	15 (3N,5E)	Aug. 4/82	1987
M3	5589 (10)	10 (5S,2W)	Oct. 27/86	1987
M4	3532 ( 8)	20 (4S,5E)	Aug. 4/82	1989
M5	3533 ( 8)	4 (2S,2E)	Aug. 4/82	1993
M6	5590 (10)	2 (1S,2E)	Oct. 27/86	1987





QUEEN CHARLOTTE ISLANDS  
MARIE PROPERTY LOCATION MAP

0 10 20 30 40 50km  
1 : 1,000,000

FIGURE 1

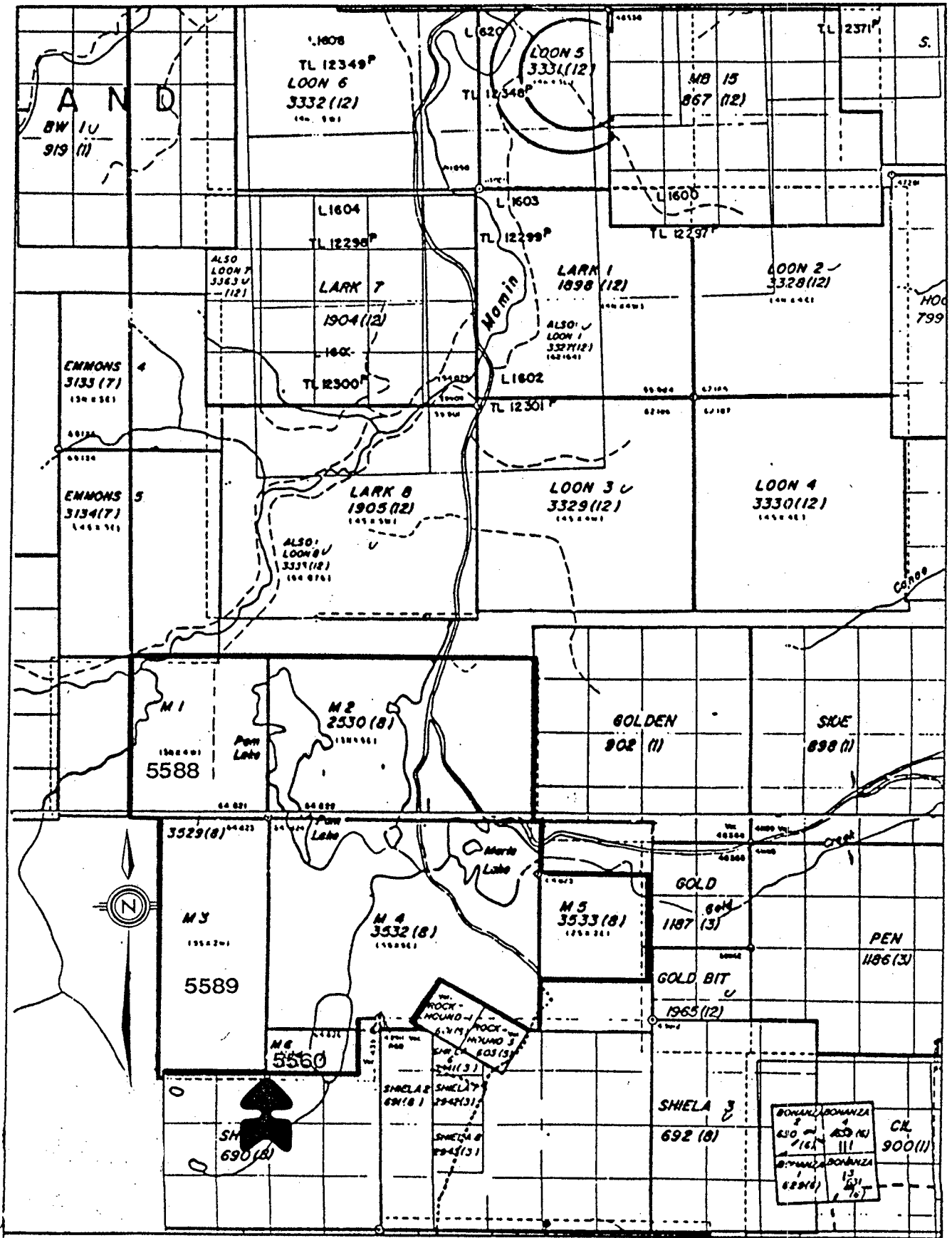


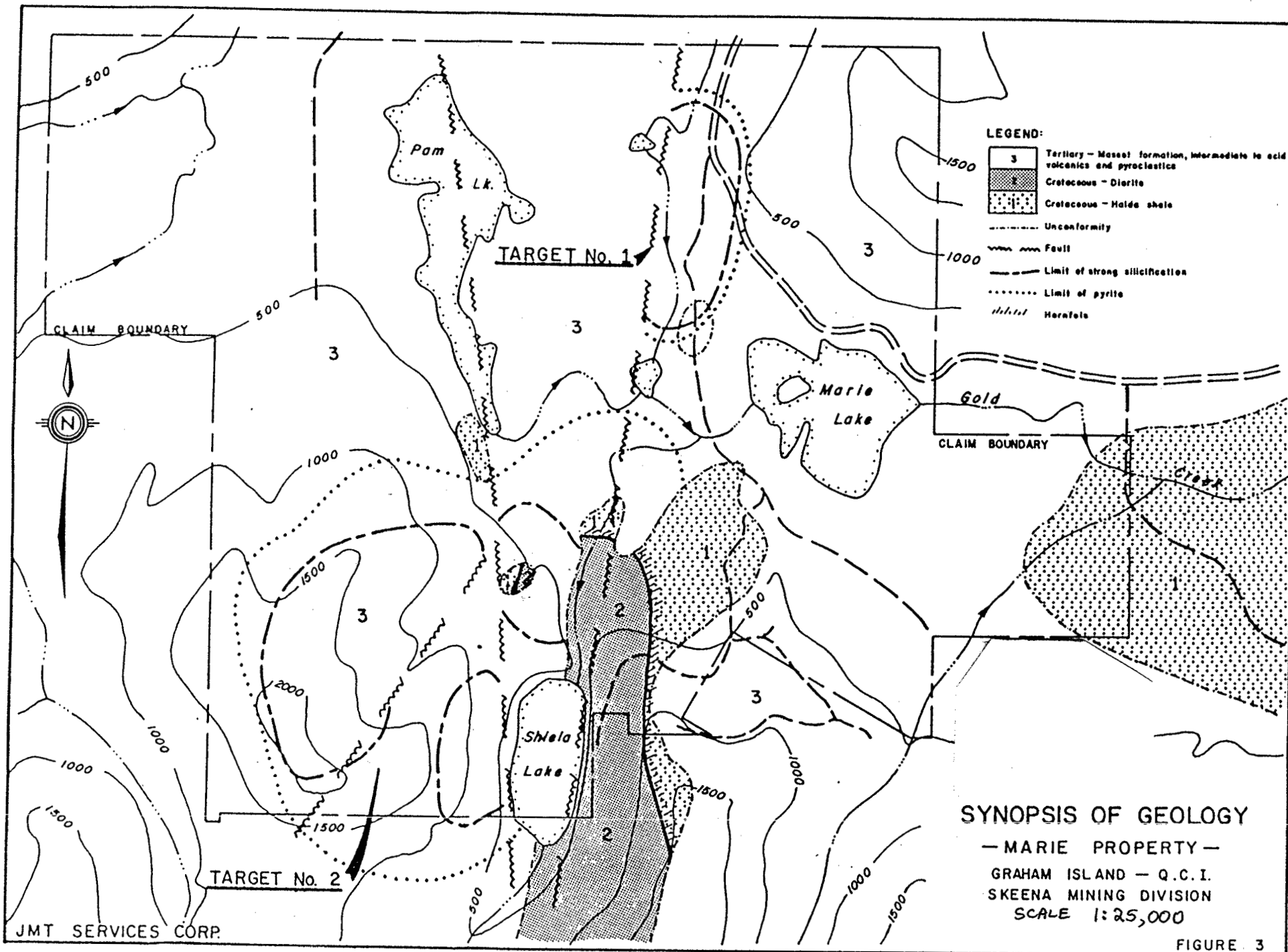
Figure 2: MARIE PROPERTY CLAIM MAP - M #1 - #6 MINERAL CLAIMS  
 SCALE 1:50,000

## GENERAL GEOLOGY

The Queen Charlotte Islands are part of the Insular Belt of the Canadian Cordillera. They are separated from the Pacific Ocean floor by the Queen Charlotte Transform Fault. The area is included within the Pacific Continental Shelf physiographic region and has been divided into the Queen Charlotte Ranges, Skidegate Plateau and Queen Charlotte Lowlands. The boundaries between the physiographic units follow major northwest trending fault zones. The Queen Charlotte Ranges are underlain by a varied assemblage of mainly Mesozoic volcanic, plutonic, sedimentary formations with a cover of Quaternary drift. The area of main interest for precious metals is near the faulted boundary of the Skidegate Plateau and Charlotte Lowlands. The general geology of the Queen Charlotte Islands has been mapped and reported on by A. Sutherland-Brown in British Columbia Department of Mines Bulletin No. 54 (1968).

## LOCAL GEOLOGY

A synopsis of local geology is shown on Figure 3. A dominant feature is the flat lying Tertiary unconformity between acid to intermediate Masset volcanics and pyroclastics and underlying marine sediments of Mesozoic area. A small dioritic stock cuts the sediments in the southern part of the property and has given rise to narrow hornfels zones along its contacts. The sedimentary succession consists of medium to thick bedded shales and calcareous sandstones of the Haida Formation, with dip angles



varying from moderate to steep. The sediments and volcanics are cut by a number of light coloured sulfide bearing rhyolitic dykes in the areas examined. Two strong sub-parallel northerly trending faults cut through the claim area. These could be important controls of mineralization on the property and may have produced permeability needed to channel mineralized solutions.

Outcrops examined in the previous drilled area are variably silicified, pyrite mineralized and veined with chalcedonic veinlets. Drill holes were spotted in the general area of coincident hydrothermal alteration and anomalous geochemistry but the areas designated as Target No. 1, a faulted extension of the drilled area, and Target No. 2, a concentrically altered area were not drill tested because of difficult access. The setting of mineralization on the Marie Property is similar to the City Resources Property (formerly the Specogna Property of Consolidated Cinola Mines Ltd.) where reserves of 41 million metric tonnes of 0.067 oz/tonne gold have been reported (1982/83 Canadian Mines Handbook). Mineralization occurs along a faulted contact between Haida shale and overlying volcanoclastics in association with rhyolite dykes or sills.

#### TARGET No. 2

##### a) Geology (see map in pocket)

The 1987 exploration was carried out on the Target No. 2 area of Figure 3. This area of the claim block is underlain by Tertiary age felsic to intermediate composition volcanoclastic

rocks of the Masset Formation. At the NW edge of the mapped area, Haida shale and siltstone outcrops occur. These lie unconformably below the Tertiary volcanoclastics. The unconformity appears in outcrop in a few localities and can be traced fairly easily for some distance due to subtle changes in topography and vegetation.

The Tertiary volcanoclastic rocks consist of alternating units of rhyolite dacite welded crystal tuffs and tuff-breccias and dacite-andesite cobble breccias. The more felsic units have a greater pyrite content and stronger silicification. Fragments of Haida sediments are quite common in the volcanic breccias. Several bedding attitudes taken indicate a strike of approximately  $020^{\circ}$  with the units dipping 45 to 70 degrees to the northwest. Andesite dikes and sills occur throughout the Tertiary volcanoclastic rocks. The diorite stock located to the west of the mapped area could be a possible source for the intrusives.

#### **b) Alteration**

Two broad zones of pyritic alteration with silicified centres occur in the mapped area. Silicification varies in intensity with the more strongly silicified areas containing veinlets of chalcedony. Pyrite occurs as both fine to medium grained disseminated and as thin veinlets with greater than 20% pyrite occurring in some areas. Strong tourmalinization associated with intense bleaching was found at three localities of Target No. 2. The tourmaline alteration appears to be related

to faulting and consists of radiating crystal groups in strongly bleached and silicified rock.

The alteration occurs in both the volcanoclastic rocks and in the calcareous shaly sediments located at the NW edge of the mapped area. Altered zones are bounded in the southeast by a large steeply dipping fault that trends NE.

**c) Geochemistry** (see map in pocket)

In 1987, 376 soil samples were collected from the reddish brown oxidized A-horizon. Sample depths varied from 3" to 8" and the soils were deposited in a 4" x 10" gusset kraft paper soil sample bag. The soils were collected at 50 metre intervals on a grid with lines spaced 50 metres apart. The soil samples were analyzed for 38 different elements by Chemex Labs Ltd..

The sample results indicated strongly anomalous arsenic (As) values in the soils. Background values for arsenic are 0-5 ppm with values of 100+ ppm considered strongly anomalous. The soil survey outlined a large area of strongly anomalous arsenic (100 samples were  $\geq$  100ppm As) starting from the large fault in the SE border of the grid and fanning out for approximately 600m to the NW. The arsenic anomaly may continue to the NE however glacial tills become very thick at the lower slopes and mask the geochemistry. The arsenic anomaly follows the zone of strong silicification and pyritization quite closely as can be seen by comparing the two maps in the pockets (figure 4 and 5).

89 rock chip samples were collected during the 1987 program. These samples were taken from surface outcrops or sub-outcrops of

mineralized rock using a rock hammer and were made up of 3 to 20 small rock chips sufficient to fill a standard gusset kraft paper soil bag. The rock samples were analyzed for gold (Au) by Chemex Labs Ltd. using the neutron activation analysis method.

#### DISCUSSION AND RECOMMENDATIONS

The geological setting in the Marie Lake area is similar to the City Resources low grade, high tonnage property located several kilometres to the east. This type of deposit is a tabular, stratabound, disseminated micron gold deposit located in a permeable and reactive host rock. Hydrothermal fluids driven by a heat source such as underlying volcanic activity, dissolve gold in surrounding rocks and transports it via high angle, deep-seated faults towards the surface. When a permeable reactive rock is encountered the fluids move laterally through the rock depositing the gold as a result of chemical or thermal changes in the fluids. Typical alteration consists of intense silicification and pyritization which can be above, below or with the gold mineralization. These deposits normally have high Au:Ag ratios and are enriched in Hg-As-Sb-Ba-Tl.

In the Target No. 2 area the alteration patterns strongly resemble the above model. A zone of strong silicification in the Tertiary Masset volcanoclastics is bounded to the southeast by a large fault which is possibly the channel way for hydrothermal fluids. The large diorite stock located to the southeast could provide the heat source with the underlying Haida calcareous



sediments providing the host rock. Although the gold geochemistry is low, strong arsenic and mercury anomalies in the silicified zones of this area were discovered in past exploration.

The alteration patterns in the Target No. 2 area indicate the possibility of a subsurface, stratabound, low grade gold deposit. Due to the presence of pyrite in the alteration assemblage it is recommended that an I.P. and Resistivity geophysical survey be done to map the subsurface limits of alteration. A V.L.F. survey should also be completed to map the faults and other structures important in controlling the gold deposition.

Respectfully submitted,

D.R. Bennett, B.Sc.

J.S. Christie, Ph.D.

DETAILED COST STATEMENT

MARIE PROPERTY - M #1 to #6 MINERAL CLAIMS - 1987 PROGRAM

TIME CHARGES (see attached sheet for details)

J.S. Christie - Geologist	\$1,350.00
David R. Bennett - Geologist	7,000.00
Mark Hagemoen - Field Assistant	4,025.00

DISBURSEMENTS

Equipment rented from Gimlex Enterprises Ltd.	
Camp Equipment - Chainsaw, etc. 3 weeks @ \$125.00	375.00
SBX 11 Radio telephone - antenna 3 weeks @ \$50.00	150.00
Chev 4x4 3/4 ton pick up - 21 days @ \$40.00/day	840.00
- 1950 km @ \$0.13/km	253.50
Airfare - 2 Vanc.-Sandspit-Vanc. Canadian Airlines	769.20
- 1 Vanc.-Sandspit	192.30
Expenses - D. Bennett, M. Hagemoen, & J.S. Christie	1,668.26
C & C Wholesale, Costco Wholesale, Irlly Bird, Canadian Tire, etc. (Miscellaneous Camp Supplies)	589.32
Neville Crosby - Invoice #1375	230.02
Cansel Survey Equipment	180.20
Chemex Labs Ltd. - Invoice #8719569, 8781054, 8780866	1,237.24
Sandspit Inn	121.00
Sandspit SuperValu	344.49
Vancal Reproduction - Invoice #115124, 29157	159.65
Drafting, Typing, Report Duplication - Estimate	750.00
	-----
	\$20,235.18

## DETAILED TIME CHARGES

## MARIE PROPERTY - M #1 - #6 MINERAL CLAIMS - 1987 PROGRAM

J.S. Christie - Geologist

May 18, 1/2 21, 1/2 22:	2 days
June 17 & 18:	2 days
October 24:	1/2 day
	-----

Total	4.5 days @ \$300/day	\$1,350.00
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David R. Bennett - Geologist

June 17:	1 day
July 20 - August 6:	18 days
August 10 - 12:	3 days
October 25 - 30:	6 days
	-----

Total	28 days @ \$250/day	7,000.00
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Mark Hagemoen - Field Assistant

May 19:	1 day
June 17:	1 day
July 18:	1 day
July 20 - August 8:	20 days
	-----

Total	23 days @ \$175/day	4,025.00
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		-----
		\$12,375.00

## CERTIFICATE OF QUALIFICATION

I, David R. Bennett of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist residing at Suite 303, 8655 Oak Street, Vancouver, B.C. V6P 4B2.
2. I am a graduate of the University of British Columbia B.Sc. Geology - 1983.
3. I have practiced my profession as a mining exploration geologist since 1983.
4. This report is based on my personal knowledge of the district, and mapping of the geology at the Property.

*David R. Bennett*  
David R. Bennett, B.Sc.

CERTIFICATE OF QUALIFICATIONS

I, James S. Christie of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist residing at 3921 W. 31st Ave., Vancouver, B.C. V6S 1Y4.
2. I am a graduate of the University of British Columbia B.Sc. Honours Geology - 1965, Ph.D. Geology - 1973.
3. I have practiced my profession as a mining exploration geologist, continuously since 1965.
4. I am a Fellow of the Geological Association of Canada.
5. I am a Member of the Geological Society of America.
6. This report is based on my personal knowledge of the district, and mapping of the geology at the property.



James S. Christie, Ph.D.

## BIBLIOGRAPHY

- 1) Arscott, D., 1980. Preliminary Geochemical and Geological Reconnaissance, Goes-Here Claims. Marie Property. Assessment Report #8380 for Chevron Standard Ltd..
- 2) Arscott, D. and McAllister, S., 1981. Geological and Geochemical Report, Marie Lake Property. Dust #1 and 2, and Many Years #1 and 2 Mineral Claims. Assessment report #9843 for Chevron Standard Ltd..
- 3) Christopher, Peter A., January 1987. Report on the Marie Property, M #1 to #6 Mineral Claims. Report for Barron International Resources Inc..
- 4) Richards, G.C. and Christie, J.S., 1980. Percussion Drilling Report, Marie Group, Queen Charlotte Islands, B.C.. Old Trail, Prospector, Dust #1 and #2 Mineral Claims. Assessment Report #8398 for Chevron Canada Ltd..
- 5) Richards, G.C. and Christie, J.S., 1979. Geology and Geochemistry, Marie Area. Assessment Report #7563 for Chevron Canada Ltd..
- 6) Sutherland-Brown, A., 1968. Geology of the Queen Charlotte Islands. B.C. Department of Mines and Petroleum Resources., Bulletin No. 54.

APPENDIX

GEOCHEM RESULTS



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: YATES, JIM

545 - 1130 W. PENDER ST.  
VANCOUVER, BC  
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Project: MARIE

Comments: CC: JAMES CHRISTIE CC: DAVID BENNETT CC: WAYNE LIVINGSTONE

\*Page No. : 1  
Tot. Pages: 3  
Date : 13-SEP-87  
Invoice #: I-8719569  
P.O. #: NONE

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87-D-681	205	---	< 1
87-D-682	205	---	< 1

CERTIFICATION :

*Hart Buchler*





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Tot. Pages:3

Date :13-SEP-87

Invoice #:I-8719569

P.O. #:NONE

## CERTIFICATE OF ANALYSIS A8719569

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CERTIFICATION : Haut Buchler



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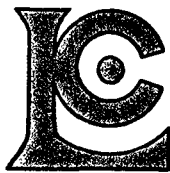
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87-Z-905	205 ---	60									
87-Z-966	205 ---	< 1									

CERTIFICATION :

*Hunt/Bighler*



# Chemex Labs Ltd.

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Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

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Tot. Pages: 8

Date : 16-NOV-87

Invoice #: I-8726280

P.O. #: NONE

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87-Z-700	214 238	0.59	< 0.2	5	10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	1	0.52	< 10	< 1	0.01	< 10	0.01	10	< 1
87-Z-701	214 238	0.24	< 0.2	< 5	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	1	0.13	< 10	< 1	0.02	< 10	< 0.01	9	< 1
87-Z-702	214 238	0.60	< 0.2	20	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	2	0.71	< 10	< 1	0.02	< 10	0.01	19	< 1
87-Z-703	214 238	1.00	< 0.2	45	10	< 0.5	< 2	0.09	< 0.5	< 1	2	3	0.62	< 10	< 1	0.03	< 10	0.03	129	< 1
87-Z-704	214 238	1.06	< 0.2	45	10	< 0.5	4	0.05	< 0.5	< 1	4	2	0.33	10	< 1	0.02	< 10	0.02	46	< 1
87-Z-705	214 238	0.39	< 0.2	< 5	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.07	< 10	< 1	0.01	< 10	0.01	18	< 1
87-Z-706	214 238	0.50	< 0.2	55	10	< 0.5	< 2	0.06	< 0.5	< 1	2	5	0.78	< 10	< 1	0.01	< 10	0.01	42	< 1
87-Z-707	214 238	0.39	< 0.2	65	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	3	1.00	< 10	< 1	0.02	< 10	0.01	21	< 3
87-Z-708	214 238	0.32	< 0.2	5	10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.22	< 10	< 1	0.03	< 10	< 0.01	8	< 1
87-Z-709	214 238	0.96	< 0.2	225	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	3	0.87	< 10	< 1	0.01	< 10	0.02	12	< 1
87-Z-710	214 238	2.53	< 0.2	410	20	< 0.5	< 2	0.33	< 0.5	5	17	17	5.21	< 10	< 1	0.02	10	0.46	360	< 1
87-Z-711	214 238	1.76	< 0.2	1235	20	< 0.5	< 2	0.35	< 0.5	6	11	17	4.89	< 10	< 1	0.02	10	0.43	424	< 1
87-Z-712	214 238	0.34	< 0.2	5	10	< 0.5	< 2	0.04	< 0.5	< 1	13	5	0.81	< 10	< 1	0.02	< 10	0.04	113	< 1
87-Z-713	214 238	0.72	< 0.2	< 5	10	< 0.5	< 2	0.13	< 0.5	1	15	9	1.04	10	1	0.06	< 10	0.11	125	< 1
87-Z-714	214 238	2.19	< 0.2	30	40	< 0.5	2	0.31	< 0.5	2	10	9	2.54	30	< 1	0.02	10	0.17	145	< 1
87-Z-715	214 238	2.17	0.2	70	20	< 0.5	< 2	0.23	< 0.5	5	13	13	4.40	10	< 1	0.03	10	0.55	331	< 1
87-Z-716	214 238	0.85	< 0.2	45	10	< 0.5	< 2	0.19	< 0.5	< 1	5	5	1.44	10	< 1	0.02	< 10	0.14	109	< 1
87-Z-717	214 238	1.11	< 0.2	50	10	< 0.5	< 2	0.28	< 0.5	1	6	4	3.01	10	< 1	0.01	10	0.13	155	< 1
87-Z-718	214 238	0.83	< 0.2	10	10	< 0.5	2	0.01	< 0.5	< 1	< 1	1	0.22	< 10	< 1	0.02	< 10	0.01	7	< 1
87-Z-719	214 238	1.21	< 0.2	75	10	< 0.5	< 2	0.05	< 0.5	< 1	1	3	0.48	10	< 1	0.03	< 10	0.03	38	2
87-Z-720	214 238	0.48	< 0.2	25	10	1.0	< 2	0.02	< 0.5	< 1	1	4	0.19	< 10	< 1	0.04	< 10	0.01	9	1
87-Z-721	214 238	0.40	< 0.2	115	10	< 0.5	< 2	0.01	< 0.5	< 1	1	2	0.71	< 10	< 1	0.02	< 10	< 0.01	16	2
87-Z-722	214 238	0.96	< 0.2	70	10	< 0.5	< 2	0.03	< 0.5	< 1	4	2	2.04	10	< 1	0.03	< 10	0.05	52	< 1
87-Z-723	214 238	0.50	< 0.2	125	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	2	0.51	< 10	< 1	0.01	< 10	0.01	24	11
87-Z-724	214 238	0.74	< 0.2	245	10	< 0.5	< 2	0.02	< 0.5	< 1	3	3	1.99	< 10	< 1	0.02	< 10	0.05	49	< 1
87-Z-725	214 238	1.55	0.4	335	10	< 0.5	< 2	0.05	< 0.5	< 1	3	6	2.51	10	< 1	0.02	< 10	0.06	62	< 1
87-Z-726	214 238	0.21	0.4	10	< 10	< 0.5	4	0.01	< 0.5	< 1	< 1	< 1	0.08	< 10	< 1	0.01	< 10	< 0.01	6	< 1
87-Z-727	214 238	0.48	0.2	105	10	< 0.5	2	0.01	< 0.5	< 1	< 1	1	0.29	< 10	< 1	0.03	< 10	0.01	9	1
87-Z-728	214 238	0.40	0.2	115	10	< 0.5	2	0.01	< 0.5	< 1	< 1	2	0.63	< 10	< 1	0.02	< 10	0.01	17	2
87-Z-729	214 238	0.34	0.4	75	10	< 0.5	2	0.02	< 0.5	< 1	< 1	3	0.54	< 10	< 1	0.02	< 10	0.01	17	< 1
87-Z-730	214 238	0.84	0.4	25	10	< 0.5	4	0.28	< 0.5	1	8	4	1.01	10	< 1	0.02	< 10	0.09	77	< 1
87-Z-731	214 238	1.00	0.4	25	10	< 0.5	< 2	0.26	< 0.5	1	5	10	2.97	10	< 1	0.02	10	0.10	250	< 1
87-Z-732	214 238	0.32	0.4	< 5	< 10	< 0.5	2	0.07	< 0.5	< 1	20	1	0.66	10	< 1	0.01	< 10	0.01	194	< 1
87-Z-733	214 238	0.32	0.2	85	60	< 0.5	2	0.02	< 0.5	< 1	7	2	0.39	< 10	< 1	0.02	< 10	0.13	41	< 1
87-Z-734	214 238	1.13	0.2	125	< 10	0.5	2	0.40	< 0.5	3	10	5	2.45	10	< 1	0.02	10	0.46	295	< 1
87-Z-735	214 238	0.37	0.6	40	10	< 0.5	< 2	0.04	< 0.5	< 1	< 1	1	0.70	10	< 1	0.01	< 10	0.01	36	< 1
87-Z-736	214 238	0.48	0.4	235	10	< 0.5	2	0.01	< 0.5	< 1	< 1	2	0.89	10	< 1	0.02	< 10	0.01	21	2
87-Z-737	214 238	0.58	< 0.2	40	< 10	< 0.5	2	0.09	< 0.5	< 1	2	2	0.58	< 10	< 1	0.02	< 10	0.07	133	< 1
87-Z-738	214 238	0.60	0.2	55	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	2	0.93	10	< 1	0.02	< 10	0.01	18	< 1

CERTIFICATION : \_\_\_\_\_



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Analytical Chemists \* Geochemists \* Registered Assayers

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Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No.: 1-B

Tot. Pages: 8

Date: 16-NOV-87

Invoice #: I-8726280

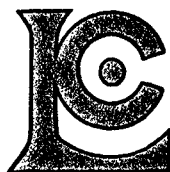
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87-Z-699	214 238	0.01	< 1	230	< 2	< 5	< 10	2	< 0.01	< 10	< 10	3	< 5	8
87-Z-700	214 238	0.01	< 1	280	4	< 5	< 10	1	< 0.01	< 10	< 10	2	< 5	3
87-Z-701	214 238	0.01	< 1	180	< 2	< 5	< 10	1	< 0.01	< 10	< 10	1	< 5	4
87-Z-702	214 238	0.01	1	340	< 2	< 5	< 10	1	< 0.01	< 10	< 10	7	< 5	14
87-Z-703	214 238	0.01	1	190	10	< 5	< 10	5	0.15	< 10	< 10	31	< 5	10
87-Z-704	214 238	0.01	< 1	200	4	< 5	< 10	4	0.07	< 10	< 10	15	< 5	6
87-Z-705	214 238	< 0.01	< 1	70	< 2	< 5	< 10	2	0.02	< 10	< 10	3	< 5	1
87-Z-706	214 238	0.01	2	160	< 2	< 5	< 10	7	0.12	< 10	< 10	33	< 5	16
87-Z-707	214 238	0.01	< 1	280	< 2	< 5	< 10	3	0.01	< 10	< 10	12	< 5	8
87-Z-708	214 238	0.01	1	290	2	< 5	< 10	1	< 0.01	< 10	< 10	2	< 5	2
87-Z-709	214 238	0.01	< 1	460	< 2	< 5	< 10	2	< 0.01	< 10	< 10	9	< 5	3
87-Z-710	214 238	0.01	7	640	10	< 5	10	21	0.45	< 10	< 10	103	< 5	34
87-Z-711	214 238	0.02	6	610	4	< 5	< 10	26	0.53	< 10	< 10	144	< 5	54
87-Z-712	214 238	0.01	< 1	310	2	< 5	< 10	11	0.33	< 10	< 10	75	< 5	12
87-Z-713	214 238	0.02	< 1	570	2	< 5	< 10	19	0.38	< 10	< 10	65	< 5	15
87-Z-714	214 238	0.01	3	390	4	< 5	10	35	0.85	< 10	< 10	154	< 5	21
87-Z-715	214 238	0.02	5	450	< 2	< 5	10	17	0.48	< 10	< 10	90	< 5	48
87-Z-716	214 238	0.01	1	410	8	< 5	< 10	12	0.43	< 10	< 10	55	< 5	15
87-Z-717	214 238	0.01	< 1	410	6	< 5	< 10	23	0.50	< 10	< 10	93	< 5	13
87-Z-718	214 238	0.01	< 1	320	2	< 5	< 10	3	< 0.01	< 10	< 10	1	< 5	2
87-Z-719	214 238	0.01	2	310	6	< 5	< 10	4	0.05	10	< 10	13	< 5	7
87-Z-720	214 238	0.03	6	320	142	< 5	< 10	2	< 0.01	< 10	< 10	1	< 5	57
87-Z-721	214 238	0.01	< 1	140	< 2	< 5	< 10	2	< 0.01	< 10	< 10	8	< 5	4
87-Z-722	214 238	0.01	< 1	480	< 2	< 5	< 10	4	< 0.01	< 10	< 10	28	< 5	6
87-Z-723	214 238	0.01	1	260	< 2	< 5	< 10	2	< 0.01	< 10	< 10	3	< 5	2
87-Z-724	214 238	0.01	1	510	< 2	< 5	< 10	3	< 0.01	< 10	< 10	21	< 5	9
87-Z-725	214 238	0.01	< 1	600	4	< 5	10	4	0.02	< 10	< 10	25	< 5	7
87-Z-726	214 238	0.01	2	70	< 2	< 5	< 10	2	< 0.01	< 10	< 10	1	< 5	1
87-Z-727	214 238	0.01	< 1	200	< 2	< 5	< 10	3	< 0.01	< 10	< 10	1	< 5	3
87-Z-728	214 238	0.01	2	250	< 2	< 5	< 10	2	< 0.01	< 10	< 10	5	< 5	7
87-Z-729	214 238	0.01	1	160	< 2	< 5	< 10	3	< 0.01	< 10	< 10	8	< 5	5
87-Z-730	214 238	0.01	1	320	6	< 5	< 10	14	0.52	< 10	< 10	80	< 5	10
87-Z-731	214 238	0.02	3	520	10	< 5	< 10	16	0.33	< 10	< 10	75	< 5	28
87-Z-732	214 238	0.01	1	250	6	< 5	10	13	0.37	< 10	< 10	45	< 5	10
87-Z-733	214 238	0.03	4	260	< 2	< 5	10	11	0.06	< 10	< 10	6	< 5	14
87-Z-734	214 238	0.01	1	220	4	< 5	10	18	0.48	< 10	< 10	83	< 5	20
87-Z-735	214 238	0.01	< 1	180	4	< 5	< 10	4	0.06	< 10	< 10	6	< 5	22
87-Z-736	214 238	0.01	< 1	460	14	< 5	< 10	2	< 0.01	< 10	< 10	4	< 5	18
87-Z-737	214 238	0.01	1	180	4	< 5	< 10	2	0.14	< 10	< 10	30	< 5	6
87-Z-738	214 238	0.01	< 1	340	< 2	< 5	< 10	3	0.01	< 10	< 10	7	< 5	9

} → V, Ti, Sr, Zn.

CERTIFICATION : \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. : 2-A

Tot. Pages: 8

Date : 16-NOV-87

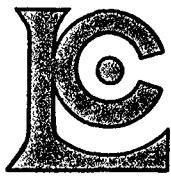
Invoice #: I-8726280

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
87-Z-739	214 238	0.51	0.4	15	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	2	0.71	< 10	< 1	0.01	< 10	< 0.01	11	< 1
87-Z-740	214 238	0.28	0.2	15	< 10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	2	0.42	< 10	< 1	0.02	< 10	0.01	24	< 1
87-Z-741	214 238	0.46	0.4	40	10	< 0.5	2	0.02	< 0.5	< 1	< 1	4	0.61	< 10	< 1	0.02	< 10	0.02	71	< 1
87-Z-742	214 238	1.09	0.4	40	10	< 0.5	< 2	0.01	< 0.5	< 1	3	3	1.49	10	< 1	0.02	< 10	0.01	32	< 1
87-Z-743	214 238	2.13	0.4	< 5	10	< 0.5	< 2	0.15	0.5	2	11	9	4.51	< 10	< 1	0.03	< 10	0.29	259	< 1
87-Z-744	214 238	0.61	0.2	35	10	< 0.5	2	0.01	< 0.5	< 1	1	6	1.06	< 10	< 1	0.02	< 10	0.07	63	< 1
87-Z-745	214 238	1.09	0.4	60	10	< 0.5	< 2	0.01	< 0.5	< 1	2	3	1.35	10	< 1	0.02	< 10	0.08	60	< 1
87-Z-746	214 238	1.45	0.6	135	10	< 0.5	< 2	0.10	< 0.5	1	7	8	2.68	10	< 1	0.02	< 10	0.23	208	< 1
87-Z-747	214 238	1.55	0.4	65	10	< 0.5	< 2	0.16	< 0.5	2	10	4	3.19	10	< 1	0.01	10	0.24	231	< 1
87-Z-748	214 238	1.10	0.4	10	< 10	< 0.5	< 2	0.11	< 0.5	< 1	4	2	1.06	< 10	< 1	0.02	< 10	0.08	65	< 1
87-Z-749	214 238	0.22	0.2	50	< 10	< 0.5	2	< 0.01	< 0.5	< 1	< 1	2	0.48	< 10	< 1	0.01	< 10	< 0.01	11	1
87-Z-750	214 238	0.56	0.4	150	10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	4	1.08	< 10	< 1	0.02	< 10	0.01	36	2
87-Z-751	214 238	0.49	0.4	160	10	< 0.5	2	0.01	< 0.5	< 1	< 1	2	0.95	10	< 1	0.05	< 10	0.02	49	< 1
87-Z-752	214 238	0.31	0.6	70	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	2	0.71	< 10	< 1	0.02	< 10	0.01	20	< 1
87-Z-753	214 238	1.67	0.4	30	20	< 0.5	< 2	0.26	< 0.5	3	5	10	2.98	10	< 1	0.04	10	0.39	356	< 1
87-Z-754	214 238	1.38	0.4	50	10	< 0.5	< 2	0.07	< 0.5	1	4	4	1.93	20	< 1	0.02	10	0.08	85	1
87-Z-755	214 238	0.68	0.4	20	10	< 0.5	2	0.02	< 0.5	< 1	1	3	0.83	< 10	< 1	0.03	< 10	0.01	45	< 1
87-Z-756	214 238	0.45	0.4	10	10	< 0.5	< 2	0.18	< 0.5	< 1	3	2	0.92	10	< 1	0.01	< 10	0.03	61	< 1
87-Z-757	214 238	0.42	0.4	5	< 10	< 0.5	< 2	0.09	< 0.5	< 1	2	3	0.76	< 10	< 1	0.03	10	0.03	75	< 1
87-Z-758	214 238	1.91	0.4	25	10	< 0.5	< 2	0.07	< 0.5	1	4	4	2.97	10	< 1	0.02	10	0.09	157	< 1
87-Z-759	214 238	1.12	0.2	35	10	< 0.5	< 2	0.11	< 0.5	1	18	13	1.32	10	< 1	0.03	10	0.14	95	1
87-Z-760	214 238	1.12	0.4	15	20	0.5	< 2	0.25	< 0.5	< 1	7	6	1.87	10	< 1	0.02	10	0.07	110	< 1
87-Z-761	214 238	0.51	0.4	25	< 10	< 0.5	< 2	0.02	< 0.5	< 1	2	2	0.62	< 10	< 1	0.05	< 10	0.02	40	< 1
87-Z-762	214 238	0.54	0.4	60	10	< 0.5	< 2	0.01	< 0.5	< 1	1	3	0.51	< 10	< 1	0.06	< 10	0.02	35	< 1
87-Z-763	214 238	1.31	0.2	50	10	1.0	< 2	0.19	< 0.5	1	7	8	3.07	10	< 1	0.02	10	0.10	209	< 1
87-Z-764	214 238	1.33	< 0.2	110	20	< 0.5	< 2	0.05	< 0.5	5	6	7	3.90	10	< 1	0.01	< 10	0.18	133	< 1
87-Z-765	214 238	0.85	0.2	10	10	< 0.5	4	< 0.01	< 0.5	< 1	2	3	0.24	< 10	< 1	0.01	< 10	0.01	8	< 1
87-Z-766	214 238	0.49	0.2	355	10	0.5	< 2	0.02	< 0.5	< 1	< 1	5	1.08	< 10	< 1	0.03	< 10	0.01	35	2
87-Z-767	214 238	0.98	0.2	220	10	< 0.5	< 2	0.01	< 0.5	< 1	2	5	1.22	10	< 1	0.03	< 10	0.02	20	3
87-Z-768	214 238	0.99	0.2	65	20	< 0.5	2	0.01	< 0.5	< 1	2	3	0.64	10	< 1	0.03	< 10	0.01	21	1
87-Z-769	214 238	0.99	0.4	305	10	0.5	< 2	0.01	< 0.5	< 1	5	5	1.71	10	< 1	0.04	< 10	0.02	20	1
87-Z-770	214 238	1.13	0.2	40	20	< 0.5	< 2	0.01	< 0.5	< 1	3	2	0.43	< 10	< 1	0.05	< 10	0.02	16	1
87-Z-771	214 238	0.79	< 0.2	35	< 10	< 0.5	2	0.04	< 0.5	< 1	2	2	0.70	10	< 1	0.04	< 10	0.08	37	< 1
87-Z-772	214 238	0.97	0.2	< 5	10	< 0.5	6	0.14	< 0.5	< 1	6	2	0.41	10	< 1	0.02	< 10	0.04	35	< 1
87-Z-773	214 238	1.35	0.2	10	10	0.5	2	0.28	< 0.5	2	12	3	0.97	20	< 1	0.02	10	0.17	140	< 1
87-Z-774	214 238	3.56	< 0.2	40	20	1.5	< 2	0.25	< 0.5	117	10	< 1	3.76	10	1	0.02	10	0.26	>10000	< 1
87-Z-775	214 238	0.97	< 0.2	< 5	30	0.5	2	0.40	0.5	< 1	6	5	1.08	30	< 1	0.02	10	0.07	124	< 1
87-Z-776	214 238	1.20	0.4	25	20	1.0	< 2	0.27	< 0.5	1	4	9	2.88	10	< 1	0.03	10	0.14	163	< 1
87-Z-777	214 238	1.01	< 0.2	10	10	0.5	4	0.35	< 0.5	< 1	4	2	0.67	20	< 1	0.01	10	0.02	75	< 1
87-Z-778	214 238	1.15	0.2	20	10	< 0.5	2	0.18	< 0.5	< 1	4	4	0.75	10	< 1	0.02	10	0.07	75	< 1

CERTIFICATION :



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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: YATES, JIM

545 - 1130 W. PENDER ST.  
 VANCOUVER, BC  
 V6E 4A4

Project: MARIE

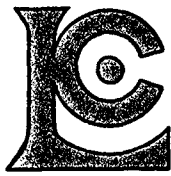
Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. : 2-B  
 Tot. Pages: 8  
 Date : 16-NOV-87  
 Invoice #: I-8726280  
 P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87-Z-739	214 238	0.01	< 1	320	< 2	< 5	< 10	< 1	< 0.01	10	< 10	4	< 5	5
87-Z-740	214 238	0.01	< 1	200	< 2	< 5	< 10	3	< 0.01	< 10	< 10	10	< 5	7
87-Z-741	214 238	0.01	< 1	310	6	< 5	< 10	3	< 0.01	< 10	< 10	9	< 5	5
87-Z-742	214 238	0.01	1	400	6	< 5	< 10	1	0.05	10	< 10	17	< 5	11
87-Z-743	214 238	0.01	1	980	10	< 5	10	10	< 0.01	10	< 10	47	< 5	23
87-Z-744	214 238	0.01	< 1	250	2	< 5	< 10	1	< 0.01	< 10	< 10	27	< 5	17
87-Z-745	214 238	0.01	< 1	730	2	< 5	< 10	1	< 0.01	< 10	< 10	9	< 5	19
87-Z-746	214 238	0.01	4	520	10	< 5	10	8	0.10	< 10	< 10	43	< 5	26
87-Z-747	214 238	0.01	3	300	2	< 5	< 10	8	0.03	< 10	< 10	51	< 5	22
87-Z-748	214 238	0.01	1	580	< 2	< 5	< 10	9	< 0.01	< 10	< 10	17	< 5	4
87-Z-749	214 238	0.01	< 1	140	< 2	< 5	< 10	1	0.05	< 10	< 10	8	< 5	2
87-Z-750	214 238	0.01	< 1	400	4	< 5	< 10	1	< 0.01	< 10	< 10	8	< 5	20
87-Z-751	214 238	0.01	< 1	300	< 2	< 5	< 10	2	< 0.01	< 10	< 10	9	< 5	19
87-Z-752	214 238	0.01	< 1	200	< 2	< 5	< 10	1	< 0.01	< 10	< 10	9	< 5	16
87-Z-753	214 238	0.01	3	490	14	< 5	10	8	0.17	10	< 10	59	< 5	35
87-Z-754	214 238	0.01	< 1	400	10	< 5	10	5	0.09	< 10	< 10	21	< 5	19
87-Z-755	214 238	0.01	< 1	380	4	< 5	< 10	2	0.01	10	10	9	< 5	14
87-Z-756	214 238	0.01	1	180	14	< 5	< 10	19	0.17	10	< 10	48	< 5	5
87-Z-757	214 238	0.01	< 1	700	10	< 5	< 10	5	0.07	10	< 10	12	< 5	14
87-Z-758	214 238	0.01	< 1	360	10	< 5	< 10	4	0.10	10	< 10	31	< 5	22
87-Z-759	214 238	0.01	10	400	16	< 5	< 10	7	0.11	< 10	< 10	33	< 5	22
87-Z-760	214 238	0.01	1	300	14	< 5	< 10	16	0.25	10	< 10	59	< 5	11
87-Z-761	214 238	< 0.01	1	290	2	< 5	< 10	2	< 0.01	< 10	< 10	9	< 5	9
87-Z-762	214 238	0.01	< 1	160	< 2	< 5	< 10	2	< 0.01	< 10	< 10	10	< 5	11
87-Z-763	214 238	0.01	1	240	< 2	< 5	< 10	13	0.33	< 10	< 10	90	< 5	26
87-Z-764	214 238	0.01	5	370	< 2	< 5	< 10	5	0.02	< 10	< 10	54	< 5	12
87-Z-765	214 238	0.01	< 1	590	< 2	< 5	10	1	< 0.01	< 10	< 10	1	< 5	1
87-Z-766	214 238	0.01	< 1	450	< 2	< 5	< 10	2	< 0.01	< 10	< 10	6	< 5	7
87-Z-767	214 238	0.01	< 1	520	4	< 5	10	2	< 0.01	< 10	< 10	10	< 5	8
87-Z-768	214 238	0.01	< 1	710	2	< 5	< 10	2	< 0.01	< 10	< 10	2	< 5	4
87-Z-769	214 238	0.01	2	610	2	< 5	< 10	2	< 0.01	< 10	< 10	10	< 5	5
87-Z-770	214 238	0.01	2	780	4	< 5	10	3	< 0.01	10	< 10	1	< 5	2
87-Z-771	214 238	0.01	< 1	160	4	< 5	< 10	3	0.09	< 10	< 10	33	< 5	4
87-Z-772	214 238	< 0.01	3	200	4	< 5	< 10	7	0.20	< 10	< 10	37	< 5	3
87-Z-773	214 238	0.01	2	290	4	< 5	< 10	9	0.29	< 10	< 10	45	< 5	12
87-Z-774	214 238	0.01	< 1	760	2	< 5	40	15	0.30	< 10	30	65	< 5	23
87-Z-775	214 238	0.01	2	300	24	< 5	< 10	34	0.81	< 10	< 10	129	< 5	14
87-Z-776	214 238	0.01	2	440	10	< 5	10	23	0.41	< 10	< 10	105	< 5	20
87-Z-777	214 238	0.01	2	180	8	< 5	< 10	22	0.36	10	< 10	59	< 5	8
87-Z-778	214 238	0.02	1	320	2	< 5	< 10	11	0.12	< 10	< 10	27	< 5	11

CERTIFICATION : \_\_\_\_\_



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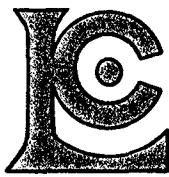
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## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
87-Z-779	214 238	1.00	0.2	30	10	0.5	2	0.12	< 0.5	< 1	3	3	0.72	10	< 1	0.02	< 10	0.02	60	< 1
87-Z-780	214 238	1.02	0.2	35	< 10	1.0	< 2	0.01	< 0.5	< 1	< 1	2	1.69	< 10	< 1	0.05	< 10	0.07	32	< 1
87-Z-781	214 238	0.95	0.2	20	30	< 0.5	2	0.02	< 0.5	< 1	17	3	0.30	< 10	< 1	0.07	< 10	0.03	18	< 1
87-Z-782	214 238	0.62	0.6	105	10	< 0.5	2	0.02	< 0.5	< 1	3	2	0.72	10	< 1	0.05	30	0.02	20	1
87-Z-783	214 238	1.30	0.2	240	10	< 0.5	< 2	0.01	< 0.5	< 1	4	3	1.11	10	< 1	0.02	< 10	0.02	13	2
87-Z-784	214 238	0.61	0.2	55	10	< 0.5	2	0.01	< 0.5	< 1	< 1	1	0.38	< 10	< 1	0.02	< 10	0.01	9	< 1
87-Z-785	214 238	1.57	0.2	295	20	0.5	< 2	0.01	< 0.5	1	4	2	1.67	< 10	< 1	0.02	< 10	0.03	36	< 1
87-Z-786	214 238	0.42	0.2	85	< 10	< 0.5	< 2	0.13	< 0.5	1	< 1	6	1.10	10	< 1	0.02	< 10	0.03	42	< 1
87-Z-787	214 238	0.46	0.2	80	10	< 0.5	< 2	0.03	< 0.5	< 1	2	5	0.80	< 10	< 1	0.02	< 10	0.02	39	1
87-Z-788	214 238	0.90	0.4	70	10	0.5	< 2	0.10	< 0.5	< 1	4	8	2.66	10	< 1	0.03	10	0.03	93	< 1
87-Z-789	214 238	1.90	0.8	90	10	< 0.5	< 2	0.08	< 0.5	< 1	9	6	5.02	10	< 1	0.02	10	0.12	115	< 1
87-Z-790	214 238	0.85	0.4	40	10	< 0.5	< 2	0.03	< 0.5	< 1	2	3	1.39	10	< 1	0.02	< 10	0.04	46	< 1
87-Z-791	214 238	0.77	< 0.2	25	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	1	0.63	10	< 1	0.03	< 10	0.02	18	< 1
87-Z-792	214 238	1.08	< 0.2	90	10	< 0.5	2	0.04	< 0.5	< 1	2	3	1.55	10	< 1	0.03	10	0.04	167	1
87-Z-793	214 238	1.48	0.2	15	20	0.5	< 2	0.16	< 0.5	6	2	10	2.32	< 10	< 1	0.01	10	0.05	110	< 1
87-Z-794	214 238	0.93	< 0.2	10	10	< 0.5	< 2	0.14	< 0.5	< 1	2	3	0.78	< 10	< 1	0.01	< 10	0.02	53	< 1
87-Z-795	214 238	0.28	< 0.2	5	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	1	0.15	< 10	< 1	0.02	< 10	0.01	12	< 1
87-Z-796	214 238	0.95	< 0.2	10	20	0.5	< 2	0.19	< 0.5	< 1	3	3	0.41	< 10	< 1	0.02	10	0.02	126	< 1
87-Z-797	214 238	1.33	0.2	275	20	0.5	< 2	0.03	< 0.5	< 1	< 1	5	2.54	10	< 1	0.04	10	0.03	62	< 1
87-Z-798	214 238	0.98	0.2	35	10	< 0.5	< 2	0.02	< 0.5	< 1	1	3	1.11	10	< 1	0.02	< 10	0.02	42	1
87-Z-799	214 238	1.21	< 0.2	20	10	< 0.5	< 2	0.02	< 0.5	< 1	3	2	0.40	10	< 1	0.03	< 10	0.02	21	< 1
87-Z-800	214 238	2.59	0.2	170	10	1.0	2	0.02	< 0.5	< 1	3	4	1.89	< 10	< 1	0.02	20	0.10	139	< 1
87-Z-801	214 238	0.74	0.2	55	10	< 0.5	< 2	0.02	< 0.5	< 1	1	6	0.93	< 10	< 1	0.02	< 10	0.01	43	1
87-Z-803	214 238	0.58	< 0.2	170	10	< 0.5	< 2	0.01	< 0.5	< 1	1	2	1.09	10	< 1	0.02	< 10	0.02	30	3
87-Z-804	214 238	0.64	< 0.2	50	20	< 0.5	< 2	0.05	< 0.5	< 1	1	2	1.24	10	< 1	0.02	< 10	0.03	53	2
87-Z-805	214 238	1.89	< 0.2	90	10	0.5	< 2	0.11	< 0.5	6	1	8	2.30	< 10	1	0.01	10	0.04	70	< 1
87-Z-806	214 238	0.55	< 0.2	170	10	< 0.5	2	0.02	< 0.5	< 1	< 1	4	0.98	< 10	< 1	0.02	< 10	0.02	32	1
87-Z-807	214 238	0.95	< 0.2	165	10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	5	0.98	< 10	< 1	0.01	< 10	< 0.01	7	1
87-Z-808	214 238	1.76	< 0.2	65	10	0.5	< 2	0.17	< 0.5	5	4	3	2.14	< 10	1	0.01	< 10	0.04	38	< 1
87-Z-809	214 238	1.93	< 0.2	120	10	0.5	< 2	0.31	< 0.5	7	10	9	2.32	< 10	< 1	0.01	10	0.15	154	< 1
87-Z-810	214 238	1.31	< 0.2	75	10	< 0.5	2	0.24	< 0.5	4	5	3	1.58	10	1	0.01	< 10	0.06	48	< 1
87-Z-811	214 238	2.61	< 0.2	295	20	1.0	< 2	0.12	< 0.5	12	9	8	5.02	10	< 1	0.04	< 10	0.41	234	< 1
87-Z-812	214 238	0.76	0.2	35	10	< 0.5	2	0.03	< 0.5	< 1	2	2	1.09	10	1	0.03	< 10	0.02	30	< 1
87-Z-813	214 238	0.18	< 0.2	< 5	< 10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	3	0.70	< 10	< 1	0.01	< 10	< 0.01	34	1
87-Z-814	214 238	2.07	< 0.2	40	10	0.5	< 2	0.27	< 0.5	10	6	6	2.47	< 10	< 1	0.02	10	0.25	1290	< 1
87-Z-815	214 238	1.37	< 0.2	10	20	< 0.5	< 2	0.27	< 0.5	7	4	9	1.12	< 10	< 1	0.02	< 10	0.26	176	< 1
87-Z-816	214 238	2.31	< 0.2	35	10	0.5	< 2	0.42	< 0.5	15	10	7	4.78	< 10	< 1	0.01	< 10	0.42	458	< 1
87-Z-817	214 238	2.09	< 0.2	45	10	1.0	2	0.36	< 0.5	18	9	8	5.80	< 10	< 1	0.01	10	0.42	1300	< 1
87-Z-818	214 238	1.34	< 0.2	25	10	0.5	2	0.17	< 0.5	6	7	3	1.62	10	< 1	0.03	< 10	0.26	163	< 1
87-Z-819	214 238	1.94	< 0.2	50	10	< 0.5	< 2	0.29	< 0.5	11	13	10	4.08	< 10	< 1	0.02	< 10	0.42	347	< 1

CERTIFICATION : \_\_\_\_\_



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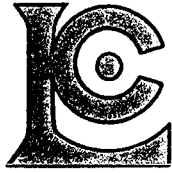
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87-Z-779	214 238	0.01	1	340	8	< 5	< 10	8	0.11	10	< 10	24	< 5	7
87-Z-780	214 238	0.01	< 1	250	< 2	< 5	< 10	1	< 0.01	< 10	< 10	13	< 5	7
87-Z-781	214 238	0.02	3	1000	6	< 5	10	5	< 0.01	< 10	< 10	3	< 5	7
87-Z-782	214 238	0.01	< 1	270	2	< 5	< 10	3	< 0.01	30	< 10	5	< 5	4
87-Z-783	214 238	0.01	< 1	590	< 2	< 5	10	3	< 0.01	< 10	< 10	4	< 5	3
87-Z-784	214 238	0.01	< 1	430	< 2	< 5	< 10	2	< 0.01	< 10	< 10	3	< 5	3
87-Z-785	214 238	0.01	< 1	610	< 2	< 5	< 10	2	< 0.01	< 10	< 10	20	< 5	3
87-Z-786	214 238	0.01	< 1	240	2	< 5	< 10	4	0.30	< 10	< 10	41	< 5	9
87-Z-787	214 238	0.01	1	190	2	< 5	< 10	3	0.06	< 10	< 10	17	< 5	11
87-Z-788	214 238	0.01	3	540	2	< 5	< 10	8	0.16	10	< 10	36	< 5	28
87-Z-789	214 238	0.01	< 1	470	4	< 5	10	5	0.15	< 10	< 10	50	< 5	8
87-Z-790	214 238	0.01	1	290	4	< 5	< 10	3	0.01	10	< 10	14	< 5	9
87-Z-791	214 238	0.01	< 1	390	6	< 5	< 10	2	< 0.01	< 10	< 10	8	< 5	8
87-Z-792	214 238	0.01	< 1	470	12	< 5	< 10	3	0.01	< 10	< 10	10	< 5	17
87-Z-793	214 238	0.01	< 1	270	12	< 5	< 10	15	0.19	< 10	< 10	44	< 5	10
87-Z-794	214 238	0.01	< 1	320	10	< 5	< 10	13	0.12	< 10	< 10	31	< 5	9
87-Z-795	214 238	0.01	< 1	180	10	< 5	< 10	2	0.09	< 10	< 10	5	< 5	5
87-Z-796	214 238	0.01	< 1	290	14	< 5	< 10	16	0.14	< 10	< 10	21	< 5	7
87-Z-797	214 238	0.02	< 1	570	10	< 5	< 10	3	0.02	< 10	< 10	14	< 5	31
87-Z-798	214 238	0.01	< 1	370	4	< 5	< 10	2	0.01	< 10	< 10	8	< 5	19
87-Z-799	214 238	0.01	< 1	370	6	< 5	< 10	2	0.01	< 10	< 10	10	< 5	5
87-Z-800	214 238	0.01	< 1	930	8	< 5	< 10	3	0.01	< 10	< 10	9	< 5	11
87-Z-801	214 238	0.01	< 1	190	6	< 5	< 10	2	0.04	< 10	< 10	14	< 5	10
87-Z-803	214 238	0.01	< 1	200	8	< 5	< 10	1	0.18	< 10	< 10	29	< 5	8
87-Z-804	214 238	0.01	1	270	10	< 5	< 10	3	0.16	< 10	< 10	40	< 5	10
87-Z-805	214 238	0.01	< 1	400	4	< 5	< 10	7	0.31	< 10	< 10	29	< 5	8
87-Z-806	214 238	0.01	< 1	280	6	< 5	< 10	3	0.07	< 10	< 10	8	< 5	9
87-Z-807	214 238	0.01	< 1	410	2	< 5	< 10	1	< 0.01	< 10	< 10	3	< 5	2
87-Z-808	214 238	0.01	< 1	330	2	< 5	< 10	11	0.37	< 10	< 10	56	< 5	4
87-Z-809	214 238	0.01	1	430	6	< 5	< 10	20	0.43	< 10	< 10	72	< 5	9
87-Z-810	214 238	0.01	< 1	250	4	< 5	< 10	18	0.22	< 10	< 10	35	< 5	6
87-Z-811	214 238	0.01	3	440	12	< 5	< 10	8	0.07	< 10	< 10	61	< 5	48
87-Z-812	214 238	0.01	< 1	440	22	< 5	< 10	4	0.06	< 10	< 10	16	< 5	10
87-Z-813	214 238	0.02	< 1	180	20	< 5	< 10	1	0.09	< 10	< 10	7	< 5	13
87-Z-814	214 238	0.01	< 1	500	12	< 5	< 10	10	0.24	< 10	< 10	40	< 5	27
87-Z-815	214 238	0.02	4	1080	16	< 5	< 10	22	0.21	< 10	< 10	28	< 5	20
87-Z-816	214 238	0.01	1	400	12	< 5	< 10	26	0.61	< 10	< 10	109	< 5	31
87-Z-817	214 238	0.01	3	520	8	< 5	< 10	19	0.52	< 10	< 10	103	< 5	28
87-Z-818	214 238	0.01	1	400	16	< 5	< 10	8	0.14	< 10	< 10	40	< 5	17
87-Z-819	214 238	0.02	5	500	4	< 5	< 10	15	0.18	< 10	< 10	73	< 5	21

CERTIFICATION : \_\_\_\_\_





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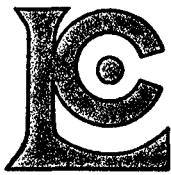
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87-Z-820	214 238	1.14	< 0.2	50	20	< 0.5	< 2	0.01	< 0.5	< 1	< 1	2	0.73	< 10	< 1	0.07	< 10	0.02	16	< 1
87-Z-821	214 238	0.63	< 0.2	95	10	< 0.5	< 2	0.01	< 0.5	< 1	6	2	0.51	< 10	< 1	0.04	< 10	0.01	15	1
87-Z-822	214 238	0.62	< 0.2	140	20	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	2	1.01	10	< 1	0.03	< 10	0.01	15	1
87-Z-823	214 238	0.30	< 0.2	65	10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	2	0.66	< 10	< 1	0.02	< 10	< 0.01	10	2
87-Z-824	214 238	0.48	< 0.2	30	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	2	0.20	< 10	< 1	0.01	< 10	< 0.01	9	< 1
87-Z-825	214 238	0.15	3.2	50	< 10	< 0.5	2	0.01	< 0.5	< 1	< 1	< 1	0.16	< 10	< 1	< 0.01	< 10	< 0.01	1	< 1
87-Z-826	214 238	0.56	< 0.2	15	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.10	< 10	< 1	0.02	< 10	0.01	12	1
87-Z-827	214 238	4.35	< 0.2	40	< 10	1.5	< 2	0.11	< 0.5	9	14	6	5.44	< 10	< 1	0.01	10	0.15	218	< 1
87-Z-828	214 238	0.93	< 0.2	130	10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	3	1.98	10	< 1	0.02	< 10	0.06	72	< 1
87-Z-829	214 238	0.80	< 0.2	90	10	0.5	< 2	0.02	< 0.5	< 1	1	2	1.18	< 10	< 1	0.03	< 10	0.02	29	1
87-Z-830	214 238	1.06	< 0.2	150	10	< 0.5	2	0.01	< 0.5	< 1	< 1	3	1.96	10	< 1	0.03	< 10	0.03	43	< 1
87-Z-831	214 238	1.74	< 0.2	75	10	0.5	< 2	0.06	< 0.5	< 1	1	3	2.63	10	< 1	0.02	< 10	0.04	111	< 1
87-Z-832	214 238	2.82	< 0.2	770	30	1.0	18	0.14	< 0.5	8	4	6	3.64	< 10	< 1	0.02	10	0.22	177	< 1
87-Z-833	214 238	0.78	< 0.2	30	10	< 0.5	< 2	0.09	< 0.5	< 1	2	2	0.92	10	< 1	0.02	< 10	0.05	57	< 1
87-Z-834	214 238	1.29	< 0.2	105	10	0.5	< 2	0.28	< 0.5	9	3	3	2.60	10	< 1	0.03	< 10	0.21	335	< 1
87-Z-835	214 238	0.24	< 0.2	< 5	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.07	< 10	< 1	0.02	< 10	< 0.01	11	< 1
87-Z-836	214 238	1.31	< 0.2	30	10	< 0.5	< 2	0.07	< 0.5	< 1	3	1	0.57	10	1	0.03	< 10	0.06	45	3
87-Z-837	214 238	1.70	< 0.2	55	10	0.5	2	0.13	< 0.5	6	5	5	2.10	10	< 1	0.03	10	0.22	306	1
87-Z-838	214 238	1.30	< 0.2	115	10	< 0.5	8	0.07	< 0.5	< 1	3	3	1.59	10	< 1	0.02	< 10	0.08	74	< 1
87-Z-839	214 238	1.79	0.2	255	20	0.5	< 2	0.05	< 0.5	9	2	5	5.02	20	< 1	0.03	10	0.14	101	< 1
87-Z-840	214 238	0.61	< 0.2	185	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	2	1.03	< 10	< 1	0.03	< 10	0.02	32	1
87-Z-841	214 238	1.01	< 0.2	190	20	0.5	< 2	0.04	< 0.5	2	3	4	2.31	20	< 1	0.03	< 10	0.08	76	< 1
87-Z-842	214 238	1.96	< 0.2	50	10	1.0	< 2	0.18	< 0.5	9	10	8	3.47	10	< 1	0.02	10	0.25	186	< 1
87-Z-843	214 238	0.45	< 0.2	15	10	0.5	< 2	0.03	< 0.5	5	< 1	4	1.63	10	< 1	0.01	< 10	0.02	72	< 1
87-Z-871	214 238	1.20	< 0.2	20	10	0.5	2	0.02	< 0.5	4	2	2	1.35	10	< 1	0.01	< 10	0.02	28	2
87-Z-872	214 238	0.49	< 0.2	25	10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	2	0.27	< 10	< 1	0.02	< 10	0.01	22	3
87-Z-873	214 238	1.79	0.2	165	10	0.5	< 2	0.02	< 0.5	2	< 1	4	2.69	10	< 1	0.01	< 10	0.01	52	3
87-Z-874	214 238	1.22	< 0.2	55	20	< 0.5	< 2	0.17	< 0.5	5	5	4	1.15	10	< 1	0.02	< 10	0.07	62	< 1
87-Z-875	214 238	0.53	< 0.2	20	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	< 1	0.38	10	< 1	0.02	< 10	0.01	26	2
87-Z-876	214 238	0.23	< 0.2	10	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	< 1	0.16	< 10	< 1	0.02	< 10	< 0.01	72	1
87-Z-877	214 238	1.40	< 0.2	35	10	1.0	< 2	0.10	< 0.5	6	6	3	2.59	10	< 1	0.03	< 10	0.23	147	< 1
87-Z-878	214 238	1.09	< 0.2	5	20	0.5	< 2	0.19	< 0.5	6	28	2	0.79	10	1	0.02	< 10	0.10	253	< 1
87-Z-879	214 238	0.26	< 0.2	20	< 10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	1	0.51	< 10	< 1	0.01	< 10	0.01	54	2
87-Z-880	214 238	0.36	< 0.2	15	10	< 0.5	< 2	0.02	< 0.5	< 1	2	3	1.01	< 10	< 1	0.03	< 10	0.01	49	2
87-Z-881	214 238	0.14	< 0.2	20	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	1	0.16	< 10	< 1	0.02	< 10	< 0.01	41	1
87-Z-882	214 238	2.68	< 0.2	75	< 50	0.5	6	0.65	< 0.5	7	14	8	2.39	< 10	4	0.03	10	0.56	345	< 1
87-Z-883	214 238	0.29	< 0.2	< 5	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.16	< 10	< 1	0.02	< 10	0.01	11	< 1
87-Z-884	214 238	1.54	< 0.2	.5	10	0.5	2	0.15	< 0.5	7	9	3	0.89	10	< 1	0.01	< 10	0.22	212	< 1
87-Z-885	214 238	3.69	< 0.2	120	10	1.0	< 2	0.11	< 0.5	8	13	7	1.31	10	2	0.02	10	0.10	259	2
87-Z-886	214 238	0.81	< 0.2	45	10	1.0	2	0.22	< 0.5	9	6	11	2.74	< 10	2	0.01	< 10	0.19	255	< 1



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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Project : MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. :4-B  
 Tot. Pages:8  
 Date :16-NOV-87  
 Invoice # :I-8726280  
 P.O. # :NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87-Z-820	214 238	0.01	< 1	690	2	< 5	< 10	2	< 0.01	< 10	< 10	5	< 5	3
87-Z-821	214 238	0.01	< 1	220	6	< 5	< 10	3	< 0.01	< 10	< 10	5	< 5	4
87-Z-822	214 238	0.01	< 1	390	2	< 5	< 10	1	< 0.01	< 10	< 10	6	< 5	3
87-Z-823	214 238	0.01	< 1	220	16	< 5	< 10	1	< 0.01	< 10	< 10	4	< 5	6
87-Z-824	214 238	0.01	< 1	300	22	< 5	< 10	1	< 0.01	< 10	< 10	1	< 5	3
87-Z-825	214 238	< 0.01	< 1	80	< 2	< 5	< 10	< 1	< 0.01	< 10	< 10	1	< 5	< 1
87-Z-826	214 238	0.01	< 1	300	10	< 5	< 10	1	0.03	< 10	< 10	3	< 5	2
87-Z-827	214 238	0.01	< 1	620	8	< 5	< 10	6	0.34	< 10	< 10	60	< 5	15
87-Z-828	214 238	0.01	< 1	150	2	< 5	< 10	3	0.08	< 10	< 10	55	< 5	31
87-Z-829	214 238	0.01	< 1	700	10	< 5	< 10	3	< 0.01	< 10	< 10	6	< 5	11
87-Z-830	214 238	0.01	< 1	570	8	< 5	< 10	2	< 0.01	< 10	< 10	10	< 5	20
87-Z-831	214 238	0.01	< 1	380	6	< 5	< 10	4	0.04	< 10	< 10	14	< 5	17
87-Z-832	214 238	0.01	< 1	330	8	< 5	< 10	8	0.08	< 10	< 10	25	< 5	33
87-Z-833	214 238	0.01	< 1	220	16	< 5	< 10	7	0.13	< 10	< 10	23	< 5	15
87-Z-834	214 238	0.01	1	320	12	< 5	< 10	15	0.09	< 10	< 10	57	< 5	17
87-Z-835	214 238	0.01	< 1	340	< 2	< 5	< 10	1	< 0.01	< 10	< 10	1	< 5	2
87-Z-836	214 238	0.01	< 1	450	10	< 5	< 10	5	0.01	< 10	< 10	15	< 5	10
87-Z-837	214 238	0.01	2	470	16	< 5	< 10	10	0.07	< 10	< 10	32	< 5	51
87-Z-838	214 238	0.01	< 1	300	10	< 5	< 10	5	0.04	< 10	< 10	20	< 5	19
87-Z-839	214 238	0.01	< 1	480	14	< 5	< 10	5	0.09	< 10	< 10	35	< 5	29
87-Z-840	214 238	0.01	< 1	240	< 2	< 5	< 10	2	< 0.01	< 10	< 10	14	< 5	18
87-Z-841	214 238	0.01	< 1	290	20	< 5	< 10	6	0.06	< 10	< 10	46	< 5	13
87-Z-842	214 238	0.01	2	340	6	< 5	< 10	14	0.20	< 10	< 10	73	< 5	40
87-Z-843	214 238	0.01	< 1	160	8	< 5	< 10	2	0.30	< 10	< 10	57	< 5	7
87-Z-871	214 238	0.01	< 1	250	6	< 5	< 10	2	0.19	< 10	< 10	43	< 5	5
87-Z-872	214 238	0.01	< 1	280	8	< 5	< 10	2	0.11	< 10	< 10	14	< 5	4
87-Z-873	214 238	0.01	< 1	550	4	< 5	< 10	3	0.03	< 10	< 10	9	< 5	11
87-Z-874	214 238	0.01	1	410	12	< 5	< 10	8	0.53	< 10	< 10	60	< 5	6
87-Z-875	214 238	0.01	< 1	240	10	< 5	< 10	2	0.10	< 10	< 10	9	< 5	3
87-Z-876	214 238	0.01	< 1	80	4	< 5	< 10	1	0.09	< 10	< 10	3	< 5	2
87-Z-877	214 238	0.01	< 1	290	6	< 5	< 10	7	0.11	< 10	< 10	59	< 5	21
87-Z-878	214 238	0.01	< 1	170	22	< 5	< 10	8	0.55	< 10	< 10	64	< 5	11
87-Z-879	214 238	0.01	< 1	90	6	< 5	< 10	3	0.08	< 10	< 10	11	< 5	7
87-Z-880	214 238	0.01	3	230	2	< 5	< 10	3	0.07	< 10	< 10	12	< 5	8
87-Z-881	214 238	0.01	< 1	80	2	< 5	< 10	1	0.07	< 10	< 10	8	< 5	5
87-Z-882	214 238	0.02	2	260	12	< 5	< 10	34	0.42	< 10	< 10	73	< 5	46
87-Z-883	214 238	0.01	< 1	260	4	< 5	< 10	2	< 0.01	< 10	< 10	2	< 5	4
87-Z-884	214 238	0.01	1	310	4	< 5	< 10	10	0.10	< 10	< 10	37	< 5	5
87-Z-885	214 238	0.02	< 1	1410	12	< 5	< 10	8	0.23	< 10	< 10	51	< 5	12
87-Z-886	214 238	0.02	3	540	6	< 5	< 10	11	0.33	< 10	< 10	87	< 5	16

CERTIFICATION : \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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To: YATES, JIM

545 - 1130 W. PENDER ST.

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V6E 4A4

Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. :5-A

Tot. Pages:8

Date :16-NOV-87

Invoice #:I-8726280

P.O. # :NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
87-Z-887	214 238	0.18	< 0.2	40	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.13	< 10	< 1	0.01	< 10	< 0.01	12	< 1
87-Z-888	214 238	0.69	< 0.2	165	10	< 0.5	< 2	0.03	< 0.5	1	1	2	0.86	10	< 1	0.02	< 10	0.01	39	< 1
87-Z-889	214 238	1.35	< 0.2	125	20	0.5	< 2	0.04	< 0.5	4	2	2	0.98	10	< 1	0.01	< 10	0.02	44	< 1
87-Z-890	214 238	0.43	< 0.2	5	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	< 1	0.06	< 10	< 1	0.02	< 10	< 0.01	17	< 1
87-Z-891	214 238	0.46	< 0.2	20	10	0.5	2	0.02	< 0.5	1	1	4	0.97	< 10	< 1	0.01	< 10	0.01	56	< 1
87-Z-892	214 238	0.92	< 0.2	65	10	0.5	< 2	0.03	< 0.5	1	1	5	1.67	10	< 1	0.01	< 10	0.03	74	< 1
87-Z-893	214 238	2.07	< 0.2	200	20	1.0	2	0.08	< 0.5	7	3	4	2.46	10	< 1	0.02	10	0.14	213	< 1
87-Z-894	214 238	1.03	< 0.2	35	10	0.5	< 2	0.06	< 0.5	< 1	2	1	0.51	< 10	< 1	0.03	< 10	0.06	60	< 1
87-Z-895	214 238	1.30	0.2	45	10	< 0.5	2	0.11	< 0.5	1	4	2	1.02	10	< 1	0.03	10	0.17	115	< 1
87-Z-896	214 238	0.41	0.2	100	10	< 0.5	2	0.05	< 0.5	< 1	< 1	3	1.43	< 10	< 1	0.02	< 10	0.02	34	2
87-Z-897	214 238	2.77	0.4	120	20	1.5	2	0.07	< 0.5	4	2	5	4.18	20	< 1	0.02	10	0.06	439	< 1
87-Z-898	214 238	4.66	0.4	235	20	1.0	10	0.06	< 0.5	21	3	2	2.63	< 10	< 1	0.02	30	0.08	3690	< 1
87-Z-899	214 238	1.49	0.2	115	10	< 0.5	2	0.10	< 0.5	1	4	5	2.46	< 10	< 1	0.01	10	0.10	127	< 1
87-Z-900	214 238	1.12	0.4	90	20	0.5	4	0.05	< 0.5	< 1	3	3	1.49	10	< 1	0.02	10	0.06	90	< 1
87-Z-901	214 238	2.90	0.6	360	10	0.5	2	0.03	< 0.5	2	4	6	3.40	10	< 1	0.01	10	0.04	68	1
87-Z-902	214 238	0.91	0.4	205	10	< 0.5	2	0.05	< 0.5	< 1	4	3	1.75	10	< 1	0.02	< 10	0.03	70	< 1
87-Z-903	214 238	1.07	0.4	85	10	< 0.5	2	0.05	< 0.5	1	3	4	1.75	10	< 1	0.02	< 10	0.04	56	< 1
87-Z-904	214 238	1.13	0.4	55	10	< 0.5	< 2	0.10	< 0.5	< 1	4	7	3.60	10	< 1	0.02	< 10	0.05	108	< 1
87-Z-906	214 238	0.92	0.4	105	10	< 0.5	< 2	0.04	< 0.5	< 1	3	6	2.20	10	< 1	0.03	10	0.02	46	1
87-Z-907	214 238	2.34	0.2	25	10	1.0	< 2	0.04	< 0.5	1	2	3	0.45	10	< 1	0.02	10	0.02	112	< 1
87-Z-908	214 238	1.28	< 0.2	80	10	0.5	2	0.14	< 0.5	1	4	4	1.53	10	< 1	0.03	10	0.18	149	1
87-Z-909	214 238	1.77	0.2	75	20	< 0.5	< 2	0.08	< 0.5	< 1	4	7	3.95	10	< 1	0.01	< 10	0.07	89	< 1
87-Z-910	214 238	0.30	0.2	25	10	< 0.5	< 2	0.02	< 0.5	< 1	1	2	0.88	< 10	< 1	0.02	< 10	< 0.01	20	4
87-Z-911	214 238	0.53	0.4	5	10	< 0.5	2	0.09	< 0.5	< 1	2	2	0.72	10	< 1	0.01	< 10	0.01	35	2
87-Z-912	214 238	0.37	0.2	5	< 10	< 0.5	2	0.10	< 0.5	< 1	3	2	0.67	< 10	< 1	0.02	< 10	0.01	48	1
87-Z-913	214 238	0.67	0.4	30	10	< 0.5	2	0.02	< 0.5	< 1	2	2	1.30	10	< 1	0.01	< 10	< 0.01	19	2
87-Z-914	214 238	0.64	< 0.2	5	10	< 0.5	< 2	0.07	< 0.5	< 1	11	3	1.02	10	< 1	0.01	< 10	0.02	36	< 1
87-Z-915	214 238	0.41	< 0.2	10	10	< 0.5	2	0.03	< 0.5	< 1	< 1	1	0.23	10	< 1	0.02	< 10	0.01	37	< 1
87-Z-916	214 238	0.77	< 0.2	75	10	< 0.5	< 2	0.06	< 0.5	< 1	< 1	4	1.83	< 10	< 1	0.01	< 10	0.02	86	1
87-Z-917	214 238	0.90	< 0.2	50	10	< 0.5	< 2	0.16	< 0.5	11	4	< 1	1.22	10	< 1	0.03	10	0.05	3210	< 1
87-Z-918	214 238	0.53	0.2	20	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	1	0.94	10	< 1	0.01	< 10	0.01	49	< 1
87-Z-919	214 238	1.00	< 0.2	30	20	< 0.5	< 2	0.10	< 0.5	34	4	< 1	1.59	10	< 1	0.02	< 10	0.11	4010	< 1
87-Z-920	214 238	0.53	0.2	10	< 10	< 0.5	< 2	0.06	< 0.5	< 1	2	2	0.63	10	< 1	0.03	< 10	0.04	73	< 1
87-Z-921	214 238	0.68	0.2	15	10	< 0.5	2	0.15	< 0.5	< 1	4	2	0.48	10	< 1	0.01	< 10	0.04	56	< 1
87-Z-922	214 238	0.69	0.2	35	10	< 0.5	< 2	0.15	< 0.5	< 1	16	5	2.12	10	< 1	0.02	< 10	0.04	76	< 1
87-Z-923	214 238	0.74	0.4	75	10	< 0.5	2	0.09	< 0.5	< 1	3	4	0.96	20	< 1	0.02	< 10	0.02	46	2
87-Z-924	214 238	0.63	0.2	55	10	< 0.5	2	0.07	< 0.5	< 1	1	2	0.45	10	< 1	0.01	< 10	0.01	44	2
87-Z-925	214 238	1.00	0.2	175	20	< 0.5	< 2	0.08	< 0.5	1	3	6	2.50	10	< 1	0.03	10	0.06	123	< 1
87-Z-926	214 238	1.08	0.2	175	20	< 0.5	< 2	0.06	< 0.5	1	3	6	2.66	10	< 1	0.03	10	0.05	111	< 1
87-Z-927	214 238	0.40	0.2	70	20	< 0.5	2	0.02	< 0.5	< 1	2	4	2.10	10	< 1	0.03	< 10	0.02	51	1

CERTIFICATION :



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Analytical Chemists \* Geochemists \* Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: YATES, JIM

545 - 1130 W. PENDER ST.  
VANCOUVER, BC  
V6E 4A4

Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. :5-B

Tot. Pages:8

Date :16-NOV-87

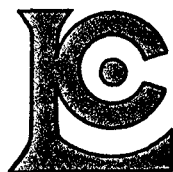
Invoice #:I-8726280

P.O. #:NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87-Z-887	214 238	0.01	< 1	80	< 2	< 5	< 10	1	0.06	< 10	< 10	5	< 5	1
87-Z-888	214 238	0.01	< 1	440	6	< 5	< 10	3	0.12	< 10	< 10	11	< 5	5
87-Z-889	214 238	0.01	< 1	320	20	< 5	< 10	3	0.29	< 10	< 10	42	< 5	12
87-Z-890	214 238	0.01	< 1	180	2	< 5	< 10	1	0.05	< 10	< 10	3	< 5	2
87-Z-891	214 238	0.01	< 1	240	4	< 5	< 10	3	0.11	< 10	< 10	36	< 5	8
87-Z-892	214 238	0.01	< 1	190	4	< 5	< 10	3	0.13	< 10	< 10	40	< 5	17
87-Z-893	214 238	0.01	< 1	470	12	< 5	< 10	6	0.05	< 10	< 10	24	< 5	23
87-Z-894	214 238	0.01	< 1	510	12	< 5	< 10	3	< 0.01	< 10	< 10	5	< 5	13
87-Z-895	214 238	0.01	1	230	8	< 5	< 10	7	0.03	10	< 10	17	< 5	26
87-Z-896	214 238	0.01	< 1	240	< 2	< 5	< 10	4	0.01	< 10	< 10	11	< 5	20
87-Z-897	214 238	0.01	< 1	540	2	< 5	10	6	0.06	10	< 10	28	< 5	21
87-Z-898	214 238	0.01	< 1	840	16	< 5	20	4	0.04	20	< 10	13	< 5	29
87-Z-899	214 238	0.01	< 1	300	6	< 5	< 10	6	0.05	< 10	< 10	25	< 5	25
87-Z-900	214 238	0.01	1	620	10	< 5	10	5	0.01	10	< 10	12	< 5	13
87-Z-901	214 238	0.01	< 1	580	< 2	< 5	10	2	0.02	10	< 10	25	< 5	16
87-Z-902	214 238	0.01	< 1	250	6	< 5	10	5	0.04	< 10	< 10	18	< 5	13
87-Z-903	214 238	0.01	< 1	350	6	< 5	< 10	5	0.13	10	< 10	29	< 5	11
87-Z-904	214 238	0.02	< 1	560	8	< 5	< 10	7	0.17	< 10	< 10	57	< 5	12
87-Z-906	214 238	0.02	< 1	550	26	< 5	< 10	5	0.09	10	< 10	15	< 5	13
87-Z-907	214 238	0.01	1	680	< 2	< 5	10	3	0.08	10	< 10	6	< 5	6
87-Z-908	214 238	0.01	< 1	410	12	< 5	< 10	5	0.31	< 10	< 10	36	< 5	16
87-Z-909	214 238	0.01	< 1	510	8	< 5	< 10	6	0.39	< 10	< 10	64	< 5	13
87-Z-910	214 238	0.01	1	270	4	< 5	< 10	3	0.06	< 10	< 10	11	< 5	6
87-Z-911	214 238	0.01	2	280	< 2	< 5	< 10	6	0.14	< 10	< 10	16	< 5	6
87-Z-912	214 238	0.01	1	170	4	< 5	< 10	6	0.09	< 10	< 10	30	< 5	7
87-Z-913	214 238	0.01	< 1	170	10	< 5	< 10	1	0.04	< 10	< 10	9	< 5	10
87-Z-914	214 238	0.01	< 1	330	8	< 5	< 10	7	0.28	< 10	< 10	40	< 5	6
87-Z-915	214 238	0.01	< 1	290	6	< 5	< 10	2	0.11	< 10	< 10	12	< 5	5
87-Z-916	214 238	0.01	< 1	480	4	< 5	< 10	4	0.12	< 10	< 10	11	< 5	17
87-Z-917	214 238	0.01	1	230	8	< 5	10	10	0.23	< 10	< 10	37	< 5	9
87-Z-918	214 238	0.01	< 1	180	12	< 5	< 10	1	0.12	< 10	< 10	10	< 5	5
87-Z-919	214 238	0.01	1	350	10	< 5	10	5	0.13	< 10	< 10	23	< 5	11
87-Z-920	214 238	0.01	< 1	160	4	< 5	< 10	4	0.08	10	< 10	18	< 5	10
87-Z-921	214 238	0.01	1	200	10	< 5	< 10	10	0.24	< 10	< 10	27	< 5	4
87-Z-922	214 238	0.02	< 1	270	4	< 5	< 10	11	0.25	< 10	< 10	49	< 5	14
87-Z-923	214 238	0.01	< 1	290	8	< 5	< 10	6	0.28	10	< 10	25	< 5	8
87-Z-924	214 238	0.01	1	410	4	< 5	< 10	4	0.23	< 10	< 10	17	< 5	4
87-Z-925	214 238	0.01	< 1	740	6	< 5	< 10	6	0.19	< 10	< 10	34	< 5	12
87-Z-926	214 238	0.01	1	750	10	< 5	< 10	5	0.18	< 10	< 10	29	< 5	10
87-Z-927	214 238	0.01	< 1	420	8	< 5	< 10	4	0.10	< 10	< 10	13	< 5	7

CERTIFICATION : \_\_\_\_\_



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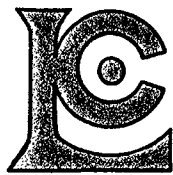
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SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
87-Z-928	214 238	0.16	0.2	10	< 10	< 0.5	2	0.01	< 0.5	< 1	< 1	2	0.69	< 10	< 1	0.01	< 10	< 0.01	46	< 1
87-Z-929	214 238	1.93	0.2	175	10	< 0.5	< 2	0.08	< 0.5	< 1	5	4	6.19	10	< 1	0.03	< 10	0.16	108	< 1
87-Z-930	214 238	0.99	0.2	85	10	< 0.5	< 2	0.04	< 0.5	< 1	3	2	0.87	< 10	< 1	0.02	< 10	0.02	31	< 1
87-Z-931	214 238	1.77	0.2	275	20	1.0	< 2	0.07	< 0.5	4	4	8	2.68	< 10	< 1	0.05	10	0.26	367	< 1
87-Z-932	214 238	0.63	< 0.2	150	10	< 0.5	2	0.02	< 0.5	< 1	46	6	1.65	< 10	< 1	0.03	< 10	0.03	36	< 1
87-Z-933	214 238	2.09	0.2	215	10	< 0.5	2	0.04	< 0.5	< 1	5	4	2.46	10	< 1	0.02	10	0.07	90	< 1
87-Z-934	214 238	1.42	0.2	80	10	0.5	2	0.20	< 0.5	2	19	9	2.41	< 10	< 1	0.05	10	0.34	215	< 1
87-Z-935	214 238	1.98	0.2	125	30	0.5	4	0.20	< 0.5	4	7	8	2.62	10	< 1	0.05	20	0.42	299	< 1
87-Z-936	214 238	1.67	0.4	210	20	2.0	2	0.09	< 0.5	4	5	8	2.75	< 10	< 1	0.04	10	0.27	324	< 1
87-Z-937	214 238	1.74	0.4	245	< 10	< 0.5	< 2	0.05	< 0.5	< 1	4	4	4.61	10	< 1	0.02	< 10	0.04	48	< 1
87-Z-938	214 238	1.24	0.2	240	10	< 0.5	< 2	0.04	< 0.5	< 1	4	5	2.69	10	< 1	0.02	< 10	0.09	77	< 1
87-Z-939	214 238	1.21	< 0.2	125	10	< 0.5	< 2	0.04	< 0.5	1	4	4	3.66	10	< 1	0.02	< 10	0.10	109	< 1
87-Z-940	214 238	1.93	0.2	105	10	< 0.5	2	0.09	< 0.5	3	4	5	2.18	< 10	< 1	0.02	10	0.15	352	< 1
87-Z-941	214 238	1.89	< 0.2	55	10	< 0.5	< 2	0.11	< 0.5	15	4	4	1.99	10	< 1	0.02	10	0.24	662	< 1
87-Z-942	214 238	2.09	0.2	70	20	< 0.5	4	0.29	< 0.5	3	6	10	1.80	< 10	< 1	0.02	10	0.38	214	< 1
87-Z-943	214 238	2.20	< 0.2	155	20	< 0.5	< 2	0.21	< 0.5	2	40	6	3.89	10	< 1	0.04	10	0.32	317	< 1
87-Z-944	214 238	2.11	< 0.2	140	10	1.5	< 2	0.15	< 0.5	2	4	5	3.44	10	< 1	0.03	10	0.23	258	< 1
87-Z-945	214 238	0.67	0.2	40	10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	2	0.91	10	< 1	0.02	< 10	0.01	33	< 1
87-Z-946	214 238	0.68	0.2	5	10	< 0.5	2	0.03	< 0.5	< 1	1	2	0.33	< 10	< 1	0.02	< 10	0.02	24	< 1
87-Z-947	214 238	0.47	< 0.2	5	10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	< 1	0.40	10	< 1	0.01	< 10	< 0.01	19	1
87-Z-948	214 238	0.70	< 0.2	20	10	< 0.5	2	0.06	< 0.5	< 1	13	2	0.35	10	< 1	0.02	< 10	0.01	24	1
87-Z-949	214 238	0.59	0.2	5	< 10	< 0.5	2	0.03	< 0.5	< 1	1	1	0.49	10	< 1	0.03	< 10	0.03	35	< 1
87-Z-950	214 238	1.22	< 0.2	45	10	0.5	< 2	0.28	< 0.5	1	26	4	1.53	10	< 1	0.05	10	0.13	207	1
87-Z-951	214 238	0.28	< 0.2	5	< 10	< 0.5	2	0.04	< 0.5	< 1	< 1	1	0.32	< 10	< 1	0.02	< 10	0.01	33	2
87-Z-952	214 238	0.53	< 0.2	10	< 10	< 0.5	< 2	0.04	< 0.5	< 1	1	2	0.56	< 10	< 1	0.01	< 10	< 0.01	27	< 1
87-Z-953	214 238	0.80	< 0.2	35	10	< 0.5	< 2	0.03	< 0.5	< 1	< 1	4	1.19	10	< 1	0.02	< 10	0.01	27	1
87-Z-954	214 238	0.70	< 0.2	35	10	< 0.5	2	0.10	< 0.5	< 1	4	2	0.72	10	< 1	0.02	< 10	0.04	72	< 1
87-Z-955	214 238	1.51	< 0.2	60	10	0.5	< 2	0.11	< 0.5	1	4	6	1.74	10	< 1	0.02	< 10	0.18	118	< 1
87-Z-956	214 238	1.38	< 0.2	45	10	< 0.5	2	0.22	< 0.5	1	4	2	1.26	10	< 1	0.03	10	0.22	189	< 1
87-Z-957	214 238	0.79	0.2	35	10	< 0.5	2	0.04	< 0.5	< 1	1	1	0.54	10	< 1	0.02	< 10	0.03	53	1
87-Z-958	214 238	1.73	0.2	90	20	< 0.5	< 2	0.08	< 0.5	2	4	6	2.79	10	< 1	0.03	20	0.07	258	1
87-Z-959	214 238	3.43	0.2	50	10	0.5	< 2	0.05	< 0.5	4	4	6	3.02	10	< 1	0.02	10	0.06	529	< 1
87-Z-960	214 238	1.70	< 0.2	75	20	0.5	4	0.07	< 0.5	2	5	4	2.39	< 10	< 1	0.04	10	0.11	124	< 1
87-Z-961	214 238	1.97	< 0.2	185	10	< 0.5	2	0.07	< 0.5	1	8	9	5.32	10	< 1	0.02	10	0.25	174	< 1
87-Z-962	214 238	0.90	< 0.2	30	10	< 0.5	2	0.06	< 0.5	< 1	4	2	0.35	10	< 1	0.03	< 10	0.03	28	< 1
87-Z-963	214 238	0.56	< 0.2	70	< 10	< 0.5	< 2	0.06	< 0.5	< 1	2	2	1.04	< 10	< 1	0.03	< 10	0.04	35	< 1
87-Z-964	214 238	5.21	0.4	165	10	1.0	< 2	0.06	< 0.5	2	10	7	3.54	< 10	< 1	0.02	10	0.16	122	< 1
87-Z-965	214 238	1.75	< 0.2	130	30	< 0.5	< 2	0.13	< 0.5	3	5	14	2.41	< 10	< 1	0.05	10	0.33	304	< 1
87-Z-967	214 238	0.84	< 0.2	80	< 10	< 0.5	2	0.08	< 0.5	< 1	3	2	1.01	10	< 1	0.02	< 10	0.11	74	< 1
87-Z-968	214 238	1.82	< 0.2	110	< 10	< 0.5	< 2	0.09	< 0.5	1	4	3	1.35	10	< 1	0.02	< 10	0.12	87	< 1

CERTIFICATION :



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87-Z-928	214 238	0.01	< 1	120	2	< 5	< 10	1	0.07	< 10	< 10	13	< 5	7
87-Z-929	214 238	0.01	< 1	300	12	< 5	< 10	8	0.06	< 10	< 10	80	< 5	16
87-Z-930	214 238	0.01	1	190	2	< 5	< 10	3	0.01	10	< 10	13	< 5	7
87-Z-931	214 238	0.01	1	430	8	< 5	< 10	5	0.03	10	< 10	22	< 5	40
87-Z-932	214 238	0.03	3	310	< 2	< 5	< 10	4	0.01	< 10	< 10	17	< 5	17
87-Z-933	214 238	0.01	< 1	240	< 2	< 5	< 10	2	0.04	10	< 10	25	< 5	20
87-Z-934	214 238	0.02	4	260	4	< 5	10	11	0.12	10	< 10	31	< 5	44
87-Z-935	214 238	0.01	4	260	6	< 5	< 10	11	0.08	10	< 10	30	< 5	65
87-Z-936	214 238	0.01	< 1	320	8	< 5	< 10	7	0.02	10	< 10	22	< 5	44
87-Z-937	214 238	0.01	< 1	280	4	< 5	10	3	0.05	< 10	< 10	38	< 5	11
87-Z-938	214 238	0.01	< 1	230	12	< 5	< 10	3	0.07	< 10	< 10	38	< 5	21
87-Z-939	214 238	0.01	< 1	290	4	< 5	< 10	3	0.03	< 10	< 10	53	< 5	18
87-Z-940	214 238	0.01	2	390	4	< 5	< 10	5	0.13	10	< 10	23	< 5	25
87-Z-941	214 238	0.01	2	530	6	< 5	< 10	6	0.20	< 10	< 10	27	< 5	31
87-Z-942	214 238	0.01	1	580	< 2	< 5	< 10	10	0.18	10	< 10	33	< 5	38
87-Z-943	214 238	0.02	< 1	510	4	< 5	10	10	0.38	< 10	< 10	59	< 5	35
87-Z-944	214 238	0.01	< 1	450	6	< 5	< 10	8	0.33	< 10	< 10	48	< 5	28
87-Z-945	214 238	0.01	1	260	4	< 5	< 10	2	0.14	< 10	< 10	19	< 5	4
87-Z-946	214 238	0.01	1	280	< 2	< 5	< 10	4	0.02	< 10	< 10	4	< 5	6
87-Z-947	214 238	0.01	1	200	< 2	< 5	< 10	2	0.09	< 10	< 10	13	< 5	2
87-Z-948	214 238	0.02	1	450	8	< 5	< 10	5	0.09	< 10	< 10	13	< 5	4
87-Z-949	214 238	0.01	< 1	160	< 2	< 5	< 10	2	0.04	< 10	< 10	11	< 5	9
87-Z-950	214 238	0.03	2	310	8	< 5	< 10	20	0.26	< 10	< 10	37	< 5	16
87-Z-951	214 238	0.01	1	220	8	< 5	< 10	3	0.11	< 10	< 10	17	< 5	4
87-Z-952	214 238	0.01	< 1	90	2	< 5	< 10	3	0.11	< 10	< 10	16	< 5	5
87-Z-953	214 238	0.01	< 1	310	6	< 5	< 10	2	0.06	< 10	< 10	12	< 5	14
87-Z-954	214 238	0.01	1	260	4	< 5	< 10	5	0.28	10	< 10	40	< 5	8
87-Z-955	214 238	0.01	< 1	410	< 2	< 5	< 10	4	0.33	< 10	< 10	42	< 5	19
87-Z-956	214 238	0.01	1	380	2	< 5	< 10	8	0.24	< 10	< 10	26	< 5	15
87-Z-957	214 238	0.01	< 1	240	< 2	< 5	< 10	3	0.19	< 10	< 10	18	< 5	7
87-Z-958	214 238	0.01	< 1	660	6	< 5	< 10	6	0.11	10	< 10	20	< 5	16
87-Z-959	214 238	0.01	< 1	550	< 2	< 5	< 10	3	0.18	10	< 10	32	< 5	17
87-Z-960	214 238	0.01	< 1	440	< 2	< 5	< 10	4	0.03	10	< 10	32	< 5	12
87-Z-961	214 238	0.01	< 1	230	6	< 5	< 10	5	0.19	< 10	< 10	58	< 5	28
87-Z-962	214 238	0.01	2	190	10	< 5	< 10	3	0.07	< 10	< 10	16	< 5	6
87-Z-963	214 238	0.01	1	140	< 2	< 5	< 10	4	0.04	< 10	< 10	16	< 5	10
87-Z-964	214 238	0.01	< 1	310	6	< 5	< 10	4	0.06	10	< 10	25	< 5	29
87-Z-965	214 238	0.01	4	260	< 2	< 5	< 10	7	0.05	< 10	< 10	26	< 5	52
87-Z-967	214 238	0.01	1	120	6	< 5	< 10	4	0.08	< 10	< 10	26	< 5	14
87-Z-968	214 238	0.01	< 1	170	8	< 5	< 10	5	0.06	10	< 10	25	< 5	21

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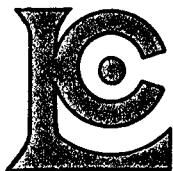
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87-Z-969	214 238	0.60	< 0.2	160	< 10	< 0.5	4	0.05	< 0.5	< 1	2	1	1.02	10	< 1	0.03	< 10	0.02	29	< 1
87-Z-970	214 238	1.28	< 0.2	255	10	1.0	< 2	0.11	< 0.5	1	7	6	4.32	20	< 1	0.02	< 10	0.17	103	< 1
87-Z-971	214 238	1.48	< 0.2	115	20	< 0.5	2	0.14	< 0.5	2	4	4	1.20	10	< 1	0.04	10	0.15	202	< 1
87-Z-972	214 238	1.90	< 0.2	395	30	0.5	< 2	0.20	< 0.5	4	7	9	3.70	< 10	< 1	0.05	10	0.35	270	< 1
87-Z-973	214 238	2.43	< 0.2	170	10	0.5	< 2	0.07	< 0.5	7	1	3	3.35	< 10	< 1	0.01	10	0.05	88	< 1
87-Z-974	214 238	0.93	< 0.2	40	10	< 0.5	4	0.09	< 0.5	4	3	2	1.07	10	< 1	0.03	10	0.11	93	1
87-Z-975	214 238	0.28	< 0.2	65	< 10	0.5	2	0.01	< 0.5	< 1	< 1	4	1.33	< 10	< 1	0.01	< 10	0.01	22	4
87-Z-976	214 238	1.91	< 0.2	75	10	0.5	4	0.11	< 0.5	5	7	4	1.96	10	< 1	0.03	10	0.16	60	< 1
87-Z-977	214 238	1.94	0.2	80	10	0.5	2	0.09	< 0.5	8	3	5	3.14	10	< 1	0.02	< 10	0.15	104	< 1
87-Z-978	214 238	1.02	< 0.2	30	10	< 0.5	2	0.05	< 0.5	< 1	5	2	0.29	< 10	< 1	0.03	< 10	0.02	43	< 1
87-Z-979	214 238	0.47	< 0.2	15	10	< 0.5	< 2	0.02	< 0.5	< 1	< 1	1	0.09	< 10	< 1	0.01	< 10	< 0.01	16	< 1
87-Z-980	214 238	2.98	< 0.2	60	10	1.0	2	0.23	< 0.5	8	8	8	3.83	< 10	< 1	0.01	10	0.16	174	< 1
87-Z-981	214 238	0.52	< 0.2	40	10	< 0.5	2	0.13	< 0.5	4	3	2	0.96	10	< 1	0.01	< 10	0.01	63	< 1
87-Z-982	214 238	1.19	0.2	20	< 10	0.5	< 2	0.15	< 0.5	7	4	6	2.18	< 10	< 1	0.01	< 10	0.04	99	< 1
87-Z-983	214 238	3.17	< 0.2	40	20	< 0.5	< 2	0.03	< 0.5	7	2	5	2.88	10	< 1	0.02	< 10	0.07	73	< 1
87-Z-984	214 238	1.28	< 0.2	35	20	< 0.5	2	0.13	< 0.5	6	8	5	2.15	20	< 1	0.02	10	0.10	80	< 1
87-Z-985	214 238	5.10	< 0.2	420	20	< 0.5	< 2	0.07	< 0.5	66	3	6	5.91	10	③	0.02	20	0.08	4330	< 1
87-Z-986	214 238	0.81	< 0.2	30	10	< 0.5	< 2	0.10	< 0.5	5	5	1	0.68	10	②	0.02	< 10	0.04	91	< 1
87-Z-987	214 238	2.28	< 0.2	280	20	< 0.5	2	0.10	< 0.5	10	5	8	3.55	10	1	0.03	10	0.24	198	< 1
87-Z-988	214 238	3.13	0.4	130	20	< 0.5	< 2	0.13	< 0.5	10	6	5	2.94	10	1	0.03	10	0.13	401	< 1
87-Z-989	214 238	3.18	0.4	130	10	< 0.5	< 2	0.07	< 0.5	9	3	6	5.01	10	< 1	0.01	10	0.09	112	< 1
87-Z-990	214 238	2.83	< 0.2	240	30	< 0.5	4	0.11	< 0.5	36	5	8	4.47	10	< 1	0.04	10	0.26	1630	< 1
87-Z-999	214 238	2.22	< 0.2	190	10	< 0.5	< 2	0.11	< 0.5	8	5	6	3.09	10	< 1	0.02	10	0.18	181	< 1
87-Z-1000	214 238	0.51	< 0.2	70	< 10	< 0.5	< 2	0.07	< 0.5	3	3	1	0.44	10	< 1	0.03	< 10	0.02	36	< 1
87-Z-1001	214 238	1.20	< 0.2	150	20	< 0.5	< 2	0.14	< 0.5	7	4	7	1.98	< 10	②	0.05	10	0.26	246	< 1
87-Z-1002	214 238	0.92	< 0.2	120	10	< 0.5	< 2	0.06	< 0.5	4	1	2	1.65	10	④	0.02	< 10	0.06	58	1
87-Z-1003	214 238	0.62	< 0.2	110	< 10	< 0.5	2	0.06	< 0.5	4	3	1	1.25	10	1	0.02	< 10	0.07	47	1
87-Z-1004	214 238	0.81	< 0.2	205	10	< 0.5	< 2	0.04	< 0.5	5	1	4	2.62	10	< 1	0.02	< 10	0.03	49	< 1
87-Z-1005	214 238	0.59	< 0.2	110	10	< 0.5	< 2	0.03	< 0.5	3	2	2	0.74	< 10	1	0.01	< 10	0.01	42	1
87-Z-1006	214 238	2.48	< 0.2	215	20	< 0.5	2	0.10	< 0.5	9	4	6	3.08	10	< 1	0.02	10	0.12	114	< 1
87-Z-1007	214 238	0.68	< 0.2	85	< 10	< 0.5	< 2	0.02	< 0.5	3	< 1	2	0.95	< 10	< 1	< 0.01	< 10	< 0.01	20	1
87-Z-1008	214 238	2.29	< 0.2	180	10	< 0.5	4	0.08	< 0.5	8	4	5	3.75	10	< 1	0.01	< 10	0.13	85	< 1
87-Z-1009	214 238	2.16	< 0.2	155	10	< 0.5	4	0.09	< 0.5	7	5	5	2.22	10	③	0.05	10	0.15	144	2
87-Z-1010	214 238	3.57	0.4	120	20	< 0.5	< 2	0.15	< 0.5	24	7	8	2.73	< 10	< 1	0.03	10	0.18	1015	< 1
87-Z-1011	214 238	3.78	< 0.2	50	30	< 0.5	< 2	0.18	< 0.5	51	8	7	3.55	10	1	0.03	10	0.14	4470	< 1
87-Z-1012	214 238	1.50	0.2	35	20	< 0.5	2	0.24	< 0.5	8	7	5	3.74	10	< 1	0.02	< 10	0.14	154	< 1
87-Z-1013	214 238	0.83	< 0.2	5	10	< 0.5	< 2	0.28	< 0.5	4	4	4	0.83	< 10	< 1	0.02	< 10	0.09	112	< 1
87-Z-1014	214 238	0.67	< 0.2	35	10	< 0.5	< 2	0.13	< 0.5	5	1	5	1.70	10	②	0.01	< 10	0.02	88	< 1
87-Z-1015	214 238	0.64	< 0.2	20	10	< 0.5	< 2	0.18	< 0.5	4	3	2	0.64	< 10	⑤	0.01	< 10	0.04	125	< 1
87-Z-1016	214 238	1.14	0.2	35	10	< 0.5	2	0.18	< 0.5	5	4	4	1.34	10	< 1	0.03	10	0.09	82	< 1



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Analytical Chemists \* Geochemists \* Registered Assayers

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To: YATES, JIM

545 - 1130 W. PENDER ST.  
VANCOUVER, BC  
V6E 4A4

Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. : 7-B

Tot. Pages: 8

Date : 16-NOV-87

Invoice #: I-8726280

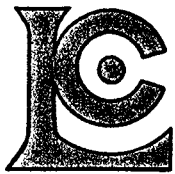
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## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87-Z-969	214 238	0.01	< 1	160	4	< 5	< 10	3	0.05	< 10	< 10	17	< 5	6
87-Z-970	214 238	0.01	< 1	180	4	< 5	< 10	8	0.23	< 10	< 10	80	< 5	19
87-Z-971	214 238	0.01	2	340	6	< 5	< 10	7	0.12	10	< 10	21	< 5	16
87-Z-972	214 238	0.01	5	350	< 2	< 5	< 10	11	0.13	< 10	< 10	41	< 5	43
87-Z-973	214 238	0.01	< 1	420	10	< 5	< 10	5	0.31	< 10	< 10	41	< 5	14
87-Z-974	214 238	0.01	< 1	390	12	< 5	< 10	3	0.31	< 10	< 10	38	< 5	11
87-Z-975	214 238	0.01	< 1	160	2	< 5	< 10	1	0.13	< 10	< 10	28	< 5	6
87-Z-976	214 238	0.01	< 1	240	12	< 5	< 10	4	0.30	< 10	< 10	54	< 5	12
87-Z-977	214 238	0.01	1	340	14	< 5	< 10	6	0.34	< 10	< 10	44	< 5	27
87-Z-978	214 238	0.01	< 1	710	12	< 5	< 10	3	0.11	< 10	< 10	17	< 5	6
87-Z-979	214 238	0.01	< 1	270	10	< 5	< 10	1	0.07	< 10	< 10	5	< 5	2
87-Z-980	214 238	0.01	< 1	460	10	< 5	< 10	12	0.39	< 10	< 10	63	< 5	28
87-Z-981	214 238	0.01	< 1	120	12	< 5	< 10	9	0.27	< 10	< 10	45	< 5	6
87-Z-982	214 238	0.01	1	330	4	< 5	< 10	11	0.32	< 10	< 10	59	< 5	15
87-Z-983	214 238	0.01	< 1	640	< 2	< 5	< 10	3	0.01	< 10	< 10	17	< 5	16
87-Z-984	214 238	0.01	1	270	8	< 5	< 10	5	0.47	< 10	< 10	72	< 5	18
87-Z-985	214 238	0.01	< 1	800	12	5	< 10	5	0.15	< 10	< 10	51	< 5	22
87-Z-986	214 238	0.01	2	190	14	< 5	< 10	8	0.42	< 10	< 10	48	< 5	11
87-Z-987	214 238	0.01	2	510	2	< 5	< 10	7	0.15	< 10	< 10	29	< 5	42
87-Z-988	214 238	0.01	1	900	8	< 5	< 10	8	0.20	< 10	< 10	26	< 5	20
87-Z-989	214 238	0.01	< 1	520	16	< 5	< 10	5	0.27	< 10	< 10	29	< 5	23
87-Z-990	214 238	0.01	2	380	8	< 5	< 10	9	0.10	< 10	< 10	38	< 5	36
87-Z-999	214 238	0.01	1	260	8	< 5	< 10	6	0.11	< 10	< 10	36	< 5	22
87-Z-1000	214 238	0.01	1	120	12	< 5	< 10	4	0.11	< 10	< 10	17	< 5	5
87-Z-1001	214 238	0.01	3	290	8	< 5	< 10	5	0.05	< 10	< 10	19	< 5	39
87-Z-1002	214 238	0.01	< 1	180	4	< 5	< 10	5	0.07	< 10	< 10	24	< 5	12
87-Z-1003	214 238	0.01	1	170	10	< 5	< 10	4	0.11	< 10	< 10	27	< 5	8
87-Z-1004	214 238	0.01	1	150	< 2	< 5	< 10	4	0.09	< 10	< 10	35	< 5	11
87-Z-1005	214 238	0.01	< 1	140	4	< 5	< 10	2	0.06	< 10	< 10	20	< 5	5
87-Z-1006	214 238	0.01	< 1	170	6	5	< 10	6	0.21	< 10	< 10	39	< 5	25
87-Z-1007	214 238	0.01	< 1	130	2	< 5	< 10	2	0.06	< 10	< 10	18	< 5	5
87-Z-1008	214 238	0.01	3	280	4	< 5	< 10	5	0.19	< 10	< 10	43	< 5	17
87-Z-1009	214 238	0.01	2	390	10	< 5	< 10	4	0.15	< 10	< 10	21	< 5	23
87-Z-1010	214 238	0.01	2	830	12	< 5	< 10	9	0.16	< 10	< 10	31	< 5	44
87-Z-1011	214 238	0.01	2	720	14	< 5	< 10	13	0.27	< 10	< 10	44	< 5	29
87-Z-1012	214 238	0.01	3	350	6	< 5	< 10	17	0.44	< 10	< 10	68	< 5	18
87-Z-1013	214 238	0.01	1	170	2	< 5	< 10	19	0.11	< 10	< 10	30	< 5	11
87-Z-1014	214 238	0.01	< 1	220	< 2	< 5	< 10	10	0.32	< 10	< 10	51	< 5	13
87-Z-1015	214 238	0.01	1	280	< 2	< 5	< 10	12	0.20	< 10	< 10	32	< 5	6
87-Z-1016	214 238	0.01	3	310	12	< 5	< 10	11	0.27	< 10	< 10	34	< 5	13

CERTIFICATION : \_\_\_\_\_





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Analytical Chemists \* Geochemists \* Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

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To: YATES, JIM

545 - 1130 W. PENDER ST.

VANCOUVER, BC

V6E 4A4

Project: MARIE

Comments: CC: J. CHRISTIE CC: W. LIVINGSTONE CC: D. BENNETT

\*\*Page No. : 8-A

Tot. Pages: 8

Date : 16-NOV-87

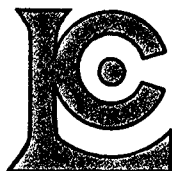
Invoice #: I-8726280

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE		Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
87-Z-1017	214	238	1.20	< 0.2	105	10	< 0.5	2	0.04	< 0.5	5	1	3	2.12	10	1	0.04	< 10	0.04	84	< 1
87-Z-1018	214	238	1.72	< 0.2	60	10	< 0.5	< 2	0.08	< 0.5	6	3	3	2.37	10	1	0.03	< 10	0.07	126	< 1
87-Z-1019	214	238	1.92	< 0.2	65	10	< 0.5	2	0.13	< 0.5	12	6	5	1.54	< 10	< 1	0.04	10	0.26	427	< 1
87-Z-1020	214	238	0.85	< 0.2	90	10	< 0.5	6	0.03	< 0.5	3	1	1	1.24	10	1	0.02	< 10	0.03	39	3
87-Z-1021	214	238	1.02	< 0.2	175	< 10	< 0.5	< 2	0.04	< 0.5	7	1	2	4.38	20	< 1	0.01	< 10	0.02	39	< 1
87-Z-1022	214	238	2.29	< 0.2	120	10	< 0.5	< 2	0.15	< 0.5	6	4	4	2.35	10	< 1	0.02	10	0.22	164	1
87-Z-1023	214	238	0.32	< 0.2	50	< 10	< 0.5	< 2	0.02	< 0.5	2	1	1	0.40	< 10	< 1	0.01	< 10	0.01	43	1
87-Z-1024	214	238	1.08	< 0.2	290	10	< 0.5	< 2	0.05	< 0.5	5	< 1	2	2.35	10	1	0.02	< 10	0.03	39	< 1
87-Z-1025	214	238	0.94	< 0.2	80	10	< 0.5	< 2	0.08	< 0.5	3	4	1	1.08	10	②	0.05	< 10	0.09	59	< 1
87-Z-1026	214	238	0.42	0.2	105	< 10	< 0.5	< 2	0.04	< 0.5	3	1	1	1.15	10	1	0.02	< 10	0.01	30	< 1
87-Z-1027	214	238	1.19	0.2	155	20	< 0.5	< 2	0.06	< 0.5	6	2	7	2.55	< 10	③	0.02	10	0.17	150	< 1
87-Z-1028	214	238	1.92	< 0.2	170	20	< 0.5	< 2	0.11	< 0.5	11	6	9	2.50	< 10	③	0.03	10	0.29	419	< 1
87-Z-1029	214	238	0.46	< 0.2	75	< 10	< 0.5	< 2	0.03	< 0.5	3	< 1	2	1.37	10	②	0.01	< 10	0.02	40	< 1
87-Z-1030	214	238	1.59	< 0.2	125	10	< 0.5	< 2	0.03	< 0.5	7	1	4	4.03	20	< 1	0.01	< 10	0.06	85	< 1
87-Z-1031	214	238	1.64	< 0.2	190	10	< 0.5	< 2	0.11	< 0.5	7	5	5	3.55	20	< 1	0.02	< 10	0.13	101	< 1
87-Z-1032	214	238	2.38	0.2	175	20	< 0.5	< 2	0.21	< 0.5	8	7	7	2.25	< 10	< 1	0.02	10	0.25	276	< 1
87-Z-1033	214	238	2.29	0.2	160	20	< 0.5	2	0.24	< 0.5	8	7	7	2.90	< 10	< 1	0.02	10	0.35	246	< 1
87-Z-1034	214	238	0.78	< 0.2	55	10	< 0.5	2	0.08	< 0.5	3	1	1	0.94	10	1	0.01	< 10	0.03	40	< 1
87-Z-1035	214	238	3.13	< 0.2	170	10	< 0.5	< 2	0.11	< 0.5	8	6	3	3.46	10	1	0.01	< 10	0.08	112	< 1
87-Z-1036	214	238	1.27	< 0.2	155	10	< 0.5	< 2	0.08	< 0.5	7	1	4	4.17	10	< 1	< 0.01	< 10	0.04	68	< 1
87-Z-1037	214	238	3.02	< 0.2	120	10	< 0.5	2	0.16	< 0.5	17	12	6	3.69	10	2	0.02	10	0.30	797	< 1

CERTIFICATION : \_\_\_\_\_



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\*\*Page No. : 8-B

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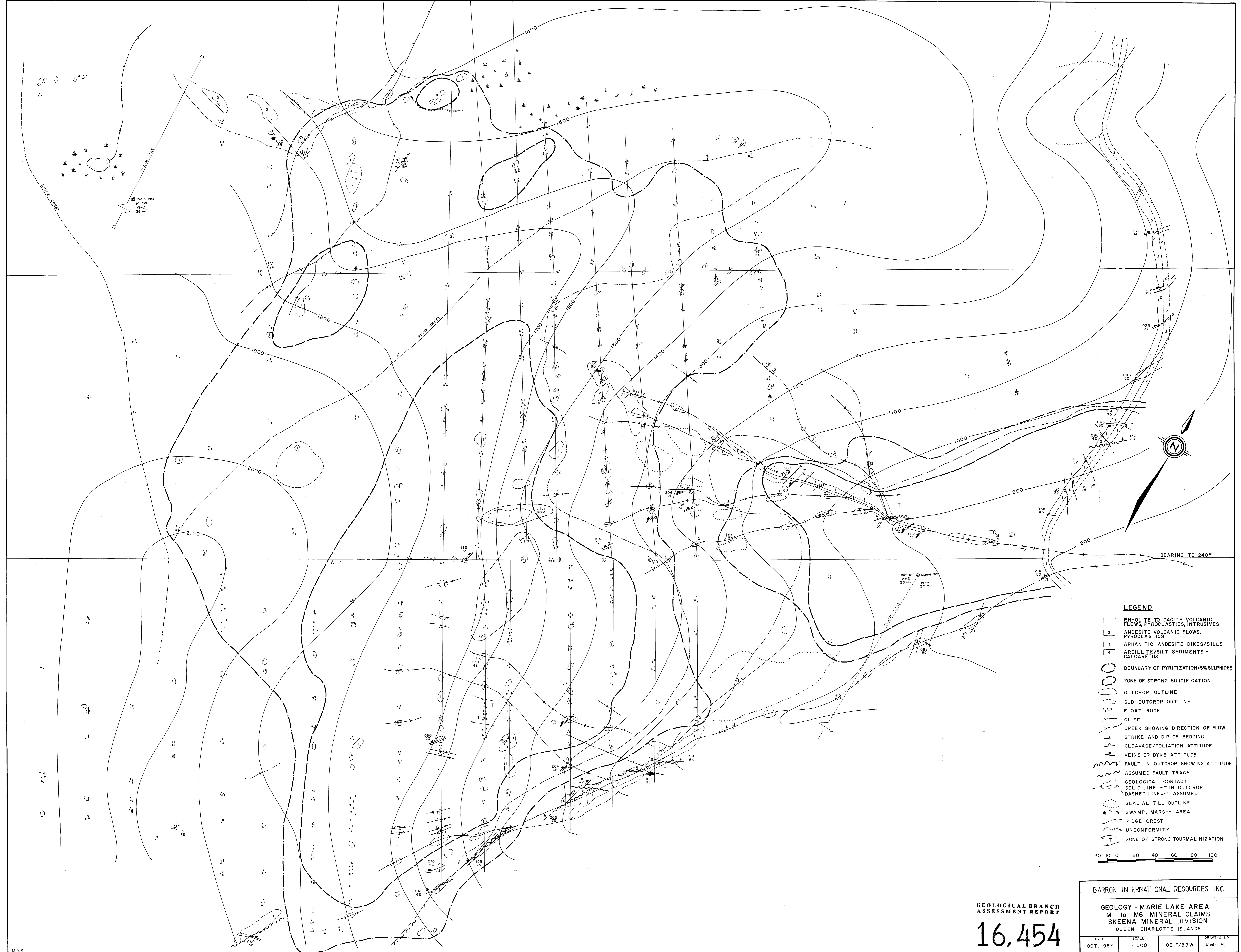
Invoice #: I-8726280

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8726280

SAMPLE DESCRIPTION	PREP CODE		Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
87-Z-1017	214	238	0.01	1	290	6	< 5	< 10	3	0.15	< 10	< 10	19	< 5	13
87-Z-1018	214	238	0.01	< 1	280	10	< 5	< 10	5	0.21	< 10	< 10	32	< 5	16
87-Z-1019	214	238	0.01	2	400	2	< 5	< 10	6	0.08	< 10	< 10	21	< 5	29
87-Z-1020	214	238	0.01	< 1	170	2	< 5	< 10	3	0.09	< 10	< 10	16	< 5	5
87-Z-1021	214	238	0.01	< 1	190	4	< 5	< 10	3	0.27	< 10	< 10	55	< 5	8
87-Z-1022	214	238	0.01	< 1	270	6	< 5	< 10	7	0.33	< 10	< 10	42	< 5	27
87-Z-1023	214	238	0.01	< 1	100	2	< 5	< 10	2	0.06	< 10	< 10	13	< 5	4
87-Z-1024	214	238	0.01	< 1	170	4	< 5	< 10	4	0.09	< 10	< 10	34	< 5	9
87-Z-1025	214	238	0.01	2	200	8	< 5	< 10	6	0.05	< 10	< 10	19	< 5	9
87-Z-1026	214	238	0.01	< 1	110	4	< 5	< 10	3	0.06	10	< 10	13	< 5	4
87-Z-1027	214	238	0.02	< 1	240	6	< 5	< 10	4	0.02	< 10	< 10	17	< 5	43
87-Z-1028	214	238	0.01	3	300	4	< 5	< 10	6	0.07	< 10	< 10	23	< 5	48
87-Z-1029	214	238	0.01	1	110	4	< 5	< 10	3	0.08	< 10	< 10	31	< 5	9
87-Z-1030	214	238	0.01	1	230	6	< 5	< 10	3	0.13	< 10	< 10	39	< 5	19
87-Z-1031	214	238	0.01	< 1	210	12	< 5	< 10	8	0.19	< 10	< 10	48	< 5	20
87-Z-1032	214	238	0.01	3	380	4	< 5	< 10	8	0.12	< 10	< 10	26	< 5	33
87-Z-1033	214	238	0.01	4	280	4	< 5	< 10	9	0.24	< 10	< 10	39	< 5	38
87-Z-1034	214	238	0.01	1	160	4	< 5	< 10	5	0.19	< 10	< 10	28	< 5	5
87-Z-1035	214	238	0.01	< 1	190	6	< 5	< 10	8	0.24	< 10	< 10	48	< 5	14
87-Z-1036	214	238	0.01	1	170	6	< 5	< 10	7	0.27	< 10	< 10	72	< 5	13
87-Z-1037	214	238	0.01	1	330	8	5	< 10	9	0.25	< 10	< 10	57	< 5	42

CERTIFICATION : \_\_\_\_\_



**LEGEND**

- 1 RHYOLITE TO DACITE VOLCANIC FLOWS, PYROCLASTICS, INTRUSIVES
- 2 ANDESITE VOLCANIC FLOWS, PYROCLASTICS
- 3 APHANTIC ANDESITE DIKES/SILLS
- 4 ARGILLITE/SILT SEDIMENTS - CALCAREOUS
- BOUNDARY OF PYRITIZATION > 5% SULPHIDES
- ZONE OF STRONG SILICIFICATION
- OUTCROP OUTLINE
- SUB-OUTCROP OUTLINE
- FLOAT ROCK
- CLIFF
- CREEK SHOWING DIRECTION OF FLOW
- STRIKE AND DIP OF BEDDING
- CLEAVAGE/FOLIATION ATTITUDE
- VEINS OR DYKE ATTITUDE
- FAULT IN OUTCROP SHOWING ATTITUDE
- ASSUMED FAULT TRACE
- GEOLOGICAL CONTACT
- SOLID LINE - IN OUTCROP
- DASHED LINE - ASSUMED
- GLACIAL TILL OUTLINE
- SWAMP, MARSHY AREA
- RIDGE CREST
- UNCONFORMITY
- ZONE OF STRONG TOURMALINIZATION



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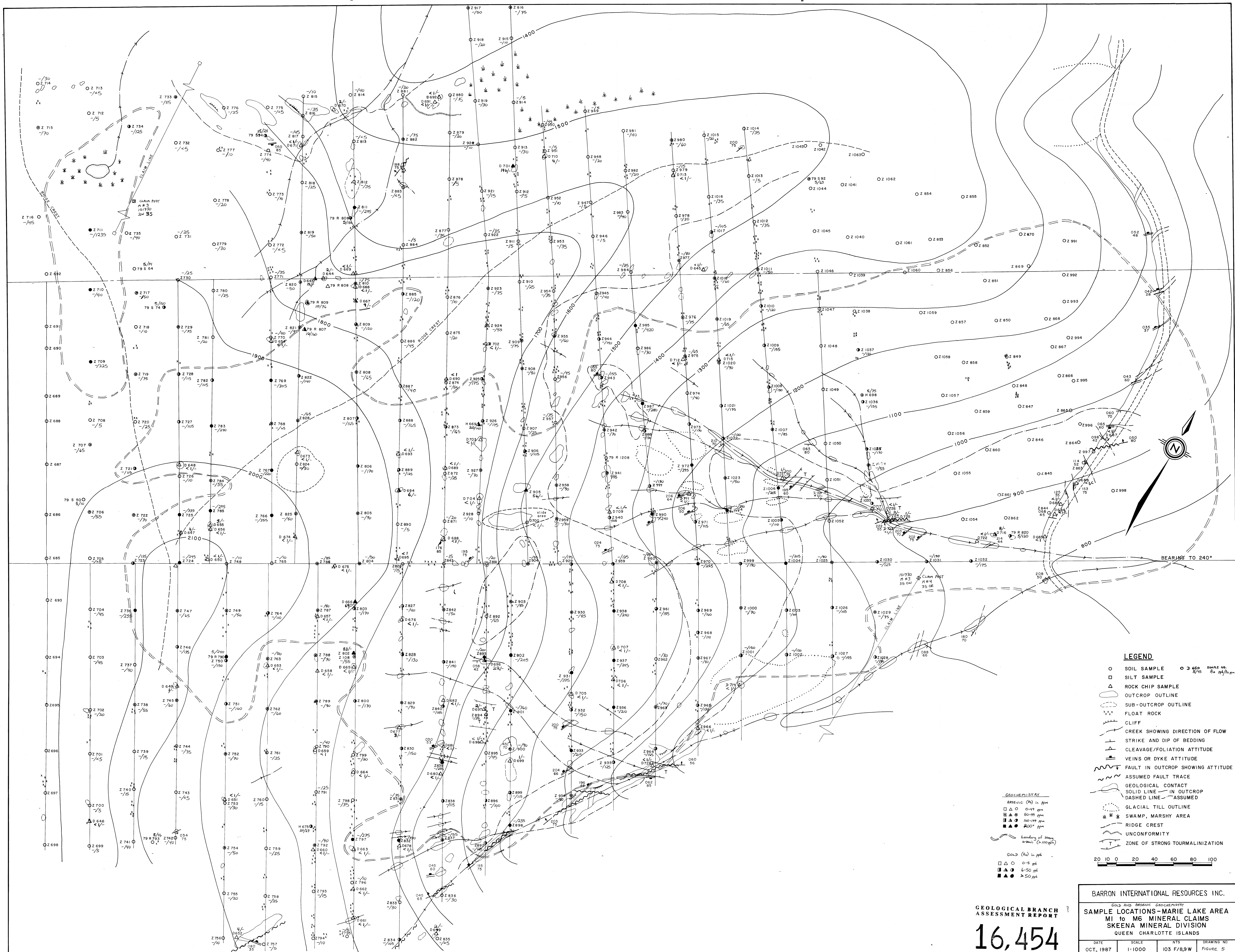
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**16,454**

GEOLOGY - MARIE LAKE AREA  
M1 to M6 MINERAL CLAIMS  
SKEENA MINERAL DIVISION  
QUEEN CHARLOTTE ISLANDS

DATE	SCALE	NTS	DRAWING NO.
OCT, 1987	1:1000	103 F/8,9W	FIGURE 4.





- LEGEND**
- SOIL SAMPLE
  - SILT SAMPLE
  - △ ROCK CHIP SAMPLE
  - OUTCROP OUTLINE
  - SUB-OUTCROP OUTLINE
  - FLOAT ROCK
  - CLIFF
  - CREEK SHOWING DIRECTION OF FLOW
  - STRIKE AND DIP OF BEDDING
  - CLEAVAGE/FOLIATION ATTITUDE
  - VEINS OR DYKE ATTITUDE
  - FAULT IN OUTCROP SHOWING ATTITUDE
  - ASSUMED FAULT TRACE
  - GEOLOGICAL CONTACT
  - SOLID LINE — IN OUTCROP
  - DASHED LINE — ASSUMED
  - GLACIAL TILL OUTLINE
  - SWAMP, MARSHY AREA
  - RIDGE CREST
  - UNCONFORMITY
  - ZONE OF STRONG TOURMALINIZATION

**GEOCHEMISTRY**

ARSENIC (As) in ppm

- 0-49 ppm
- 50-99 ppm
- △ 100-199 ppm
- 200+ ppm

Gold (Au) in g/t

- 0-5 g/t
- 6-50 g/t
- △ 50-100 g/t
- >50 g/t

0 10 0 20 40 60 80 100

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,454**

**BARRON INTERNATIONAL RESOURCES INC.**

**GOLD AND ARSENIC GEOCHEMISTRY  
SAMPLE LOCATIONS—MARIE LAKE AREA  
M1 TO M6 MINERAL CLAIMS  
SKEENA MINERAL DIVISION  
QUEEN CHARLOTTE ISLANDS**

DATE	SCALE	NTS	DRAWING NO.
OCT, 1987	1:1000	103 F/8,9W	FIGURE 5