Geochemical and Prospecting Report
on the
ET 1-32 Claims
Mayo Mining District

by

J. Peter Ross, Prospector

NTS: 115 P/8, 115 P/9
Latitude: 63° 29' N
Longitude: 136° 23' W
Dates Worked: August 19, 20, 22, 24, 28-31, 1998
September 1-12, 1998

Dated: September 1999

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APPENDICES

Chapter One: SUMMARY and CONCLUSIONS

1.1 Summary

The ET 1-20 claims were staked and recorded by J.P. Ross on May 4, 1998. The ET 21-32 claims were staked and recorded by J.P. Ross on August 27, 1998.

1. Discussions with Ken Galambos, Mineral Development Geologist (Yukon Geology Program) has made me aware of the potential of the area.
2. One can drive to the area on a 2-wheel drive highway.
3. Yukon MINFILE #42, McGuinty, suggests a possible gold deposit is present. Three streams ran 124 ppb Au, 102 ppb Au, 273 ppb Au in -200 mesh silt samples; 103 ppb Au, 2665 ppb Au, 1438 ppb Au in pan concentrate samples.
4. The area is at the southeast end of a 25 km trend of linear features (northwest to southeast). To the southeast of the Stewart River, the trend bends (?).
5. The geology and mineralization may be similar to the Brewery Creek deposit.
6. Most of the economic placer gold bar deposits on the Stewart River are found downstream of this location. (Bob Stirling, personal communication).
7. A strange calcite/calcium precipitate was found in the stream. It appears to be coming from a limey (carbonate) zone not seen.
8. Fourteen (14) rock analyses, three (3) moss mat analyses and eight(8) silt analyses were paid for by Viceroy Exploration (Canada) Inc. for the right of first refusal on the claims.
9. All rock samples were less than 5 ppb Au, the moss mats were 75, 10, and 30 ppb Au.
10. All silt samples were highly anomalous from 175 ppb Au to 2550 ppb Au (-80 mesh). The samples were redone at -200 mesh and five of the eight ran from 1550 ppb Au to 5570 ppb Au (with a weak As, Ba association?).
11. The potential source for the anomaly is large and a micron size Au zone may be present similar to Brewery Creek or Carlin Nevada.

1.2 Recommendations

All 32 claims should be kept and more claims should be staked to the northwest, southwest and northeast. One should walk along the creek bottoms and take silt samples at 500 foot intervals and analyze for Au (-200 mesh) and 32 element ICP. In the creek bottoms one might see mineralized float or bedrock. Perhaps a pattern of Au anomalies can match up with linears or bends of streams.

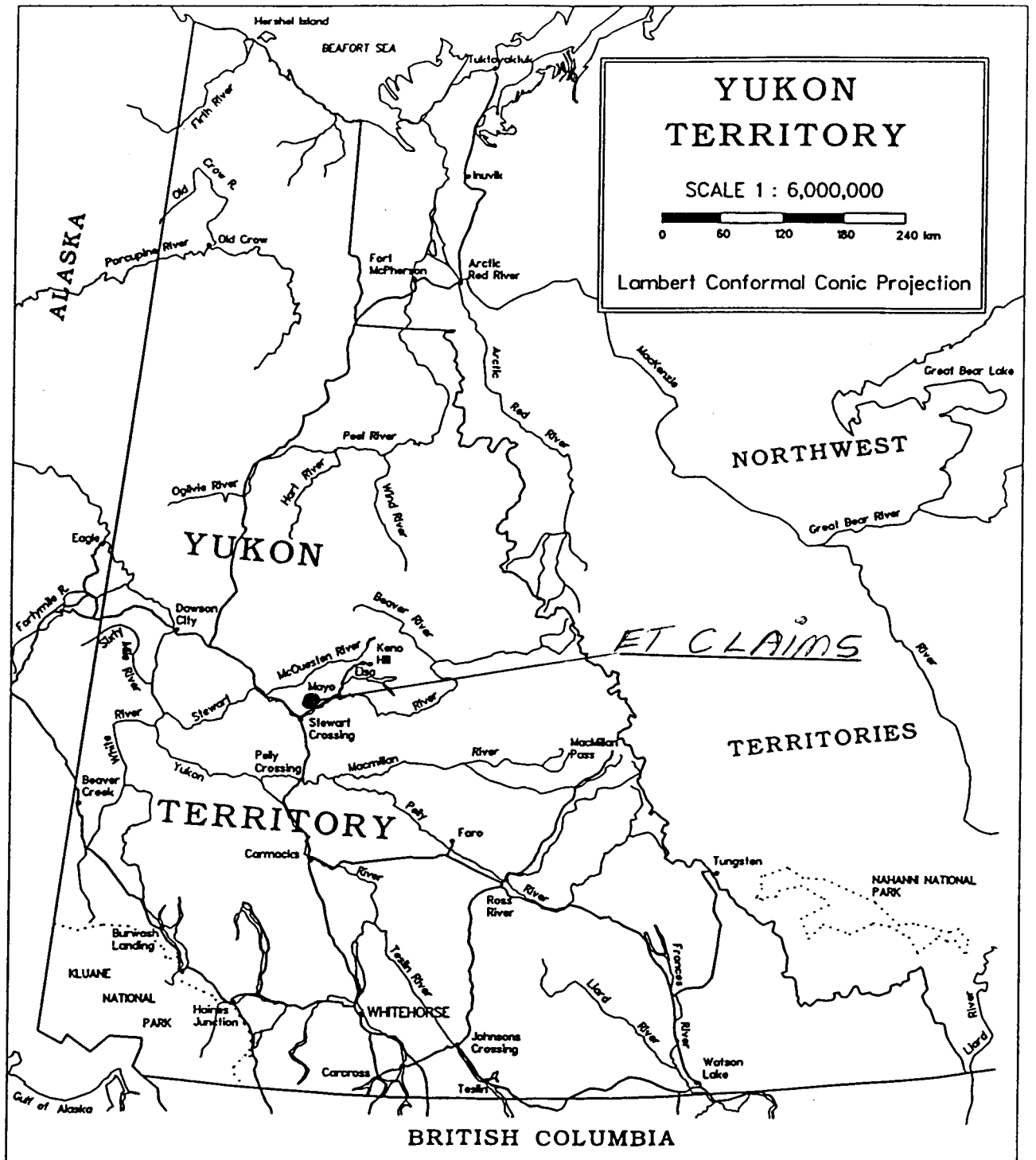

FIGURE #1

LOCATION MAP

ET 1-32 (1999)

JPR

WHITEHORSE

12 MAY 1999

FIGURE #2

CLAIM LOCATION MAP

MAYO MIN. DIST.

NTS 115 P8+9

DATE 28 JULY 1999

DRAWN by JP ROSS

SCALE 1:31,680 JPR

12 MAY 1999

FIGURE #3
FLOAT SAMPLE LOCATION
MAYO MIN. DIST.
NTS 115P8 + 9 (X BEDROCK)
• FLOAT SAMPLE (• NO TEST)
DATE 28 JULY 1999
DRAWN by JP ROSS
SCALE 1:15,840 JPR

25'
ROAD
2500
N
S-156B
S-165B1/D (NND)
L 1014
LOT 30
019
ET
YC01381
YC01382
YC01383
YC01384
YC01385
YC01386
YC01387
YC01388
YC01389
YC01390
YC01391
YC01059
YC01060
YC01049
YC01050
YC01047
YC01048
YC01045
YC01046
YC01057
YC01058
YC01055
YC01056
YC01053
YC01054
YC01051
YC01052
YC01041
YC01042
ET9
ET1X
ET8X
ET10X
ET13X
ET14X
ET7
ET43,44
ET41,54-5
ET42
ET21-24,27,37-40
ET45-47,49
ET52,53
ET22,25,26,48,50,51
ET18,19
ET28,30,33
ET31,32,35,34,36
ET12,15
ET11
ET16,17
ET61,62
ET2,3
ET51
ET4
ET56
ET6
ET59,60
ET56,57

12 MAY 1999

FIGURE #4
MOSS MAT SAMPLE LOCATION
MAYO MIN. DIST.
NTS 115 P 8+9
● MOSS MAT SAMPLE
DATE 28JULY 1999
DRAWN by JP ROSS
SCALE 1:15,840 JPR

25'

ROAD

2500

N

S-156B

S-165B1/D (NND)
L 1014

LOT 30

MM3
MM2
MM1

YC01381 YC01382 YC01383 YC01384 YC01385 YC01386 YC01387 YC01388 YC01389 YC01390 YC01391

YC01042 YC01043 YC01044 YC01045 YC01046 YC01047 YC01048 YC01049 YC01050 YC01051 YC01052 YC01053 YC01054 YC01055 YC01056 YC01057 YC01058 YC01059

ET

12 MAY 1999

FIGURE #5
SILT SAMPLE LOCATION
MAYO MIN. DIST.
NTS 115 P8+9
● SILT SAMPLE
DATE 28 JULY 1999
DRAWN by JP ROSS
SCALE 1:15,840 JPR

25'

ROAD

2500

N

ES2

ES1

S-156B

019

LOT 30

S6

S5

S4

S3

S2

S1

S-165B1/D (NND)
L 1014

YC01381 YC01382 YC01383 YC01384 YC01385 YC01386 YC01387 YC01388 YC01389 YC01390 YC01391 YC01380 YC01059 YC01060 YC01049 YC01050 YC01048 YC01047 YC01046 YC01058 YC01057 YC01056 YC01045 YC01055 YC01054 YC01053 YC01052 YC01051 YC01044 YC01043 YC01042 YC01041

ET

Chapter Two: INTRODUCTION

2.1 Introductory Statement

From August 19 - September 12, 1998, J. Peter Ross prospected on the claims.

Fourteen (14) rock samples (2 bedrock and 12 float) were taken and tested by fire assay Au (30g) and 32 element ICP.

Three (3) moss mat samples were taken and tested by fire assay Au (-80 mesh) 30g and 32 element ICP. The sample interval was 500 feet. MM1=0 feet, MM2=500 feet, MM3=1000 feet.

Eight (8) silt samples were taken and tested by fire assay Au (-80 mesh) 30g and 32 element ICP. The samples were redone for Au (-200 mesh) 30g fire assay. Three of the samples had insufficient material and could not be assayed. The sample interval was 500 feet. S1=0 feet, S2=500 feet, S3=1000 feet, S4=1500 feet, S5=2000 feet, F6=2500 feet. ES1 was taken in fast water, ES2 was taken in slow water 50 feet upstream from ES1 just above an agricultural dam and pipe.

2.2 Location And Access

The ET 1-20, 21-32 claims are located 15 miles northeast of Stewart Crossing in the Mayo Mining District, N.T.S. 115 P/8,+9, latitude 63° 29', longitude 136° 23'. Access to the claims is from the Silver Trail Highway, an all-season road. One can camp close to the highway and walk to the claim area.

2.3 History

Geology in the claims area is Late Proterozoic - Early Cambrian schist, quartzite and phyllite.

Flagging tape was seen marking the location of recent silt samples, see MINFILE 115P042. No other evidence of hard rock exploration was seen.

Bulk silt samples taken by Noranda in 1992 (-200 mesh Au) returned values up to 273 ppb Au and pan concentrates up to 2665 ppb Au.

Chapter Three: PROPERTY DESCRIPTION

Claim Name	Grant No.	Grouping	Date Staked	Date Recorded	Expiry Date
ET 1	YC01041	HM00500	98.04.25	98.05.04	2001.05.04
ET 2	YC01042	HM00500	98.04.25	98.05.04	2001.05.04
ET 3	YC01043	HM00500	98.04.28	98.05.04	2001.05.04
ET 4	YC01044	HM00500	98.04.28	98.05.04	2001.05.04
ET 5	YC01045	HM00500	98.04.28	98.05.04	2001.05.04
ET 6	YC01046	HM00500	98.04.28	98.05.04	2001.05.04
ET 7	YC01047	HM00501	98.04.28	98.05.04	2001.05.04
ET 8	YC01048	HM00501	98.04.28	98.05.04	2001.05.04
ET 9	YC01049	HM00501	98.04.29	98.05.04	2001.05.04
ET 10	YC01050	HM00501	98.04.29	98.05.04	2001.05.04
ET 11	YC01051	HM00500	98.05.01	98.05.04	2001.05.04
ET 12	YC01052	HM00500	98.05.01	98.05.04	2001.05.04
ET 13	YC01053	HM00500	98.05.01	98.05.04	2001.05.04
ET 14	YC01054	HM00500	98.05.01	98.05.04	2001.05.04
ET 15	YC01055	HM00500	98.05.02	98.05.04	2001.05.04
ET 16	YC01056	HM00500	98.05.02	98.05.04	2001.05.04
ET 17	YC01057	HM00501	98.05.03	98.05.04	2001.05.04
ET 18	YC01058	HM00501	98.05.03	98.05.04	2001.05.04
ET 19	YC01059	HM00501	98.05.03	98.05.04	2001.05.04
ET 20	YC01060	HM00501	98.05.03	98.05.04	2001.05.04
ET 21	YC01380	HM00501	98.08.19	98.08.27	2001.08.27
ET 22	YC01381	HM00501	98.08.19	98.08.27	2001.08.27
ET 23	YC01382	HM00501	98.08.19	98.08.27	2001.08.27
ET 24	YC01383	HM00501	98.08.19	98.08.27	2001.08.27
ET 25	YC01384	HM00501	98.08.19	98.08.27	2001.08.27
ET 26	YC01385	HM00501	98.08.19	98.08.27	2001.08.27
ET 27	YC01386	HM00500	98.08.19	98.08.27	2001.08.27
ET 28	YC01387	HM00501	98.08.19	98.08.27	2001.08.27
ET 29	YC01388	HM00500	98.08.19	98.08.27	2001.08.27
ET 30	YC01389	HM00501	98.08.19	98.08.27	2001.08.27
ET 31	YC01390	HM00500	98.08.19	98.08.27	2001.08.27
ET 32	YC01391	HM00500	98.08.19	98.08.27	2001.08.27

Chapter Four: GEOCHEMICAL SURVEY and PROSPECTING

4.1 General

All samples were marked with flagging tape and/or paint on rocks.

Moss mat samples were hard to get, there was little sample medium available so only three samples were taken in active sediment areas.

Silt samples were many shovels from different areas to get a good "average" sample - 2 or 3 bags of -8 mesh each. A pail, large shovel, and 8 mesh screen and plate inside the pail were used for collection in active sediment areas.

All sample analyses were paid for by Viceroy Exploration (Canada) Inc. for a right of first refusal on the claims.

4.2 Interpretation

All rock samples returned less than 5 ppb Au.

Three (3) moss mats returned 75, 10 and 30 ppb Au (-80 mesh) and were very weakly anomalous for As/Ba.

All eight (8) silt samples were anomalous for Au (-80 mesh) ranging from 175 - 2550 ppb Au, and very weakly anomalous for As/Ba. The silt samples analyses were intended to be for -200 mesh so Viceroy Exploration had the samples re-run at -200 mesh. Three (3) samples had insufficient material and were not assayed.

Sample Number	*Au ppb -80 mesh*	*Au ppb -200 mesh*	*"X" factor*
ES1	335	1550	4.6
ES2	470	2430	5.2
S1	1070	*	N/A
S2	905	5570	6.2
S3	2550	*	N/A
S4	760	*	N/A
S5	1070	3900	3.6
S6	175	1865	10.7

* Insufficient sample for assay

Average "X" factor = 6.1

This is a serious anomaly. It seems 3 streams in a row are anomalous for -200 mesh Au and are confirmed 2 times by Noranda Exploration and once by Gordon MacKay & Associates and Ken Galambos (Sleeper Claims), see Yukon MINFILE #42, McGuinty.

The mineralization could be Brewery Creek Au type or similar to the Wayne Au deposit just west of Elsa, Yukon.

The area is covered by glacial sand and there are no big boulders present. i.e.) a soft oxidized deposit could be preserved.

In the past Noranda had one sample from a small stream that returned 269 ppb Au (-200 mesh). I concentrated on this stream because it is quite short. I found it had bedrock exposures and a calcite precipitate on bedrock from S1-S3 and 50 feet down from the bridge; about 1500 feet of exposure. Leaf and twig imprints are seen in the precipitate. Calcite in float was seen beside a stream bench at the ET 19 claim, at streams by the highway at the ET1 claim, and in the stream at sample locations ES1 and ES2.

The calcite precipitate is coming from a limey horizon not yet located.

Some old timers thought this area might be a source for the Stewart River bar gold. No magnetic anomalies are present. Buried intrusions may be present. A northwest trending linear passes through this area. A zone of 25 km is possible!

Viceroy Exploration (Canada) Inc. feels it maybe a placer deposit since Au indicator elements return low values in silt samples. The target area may be up to 30 km^2 or more. The deposit type is unknown.

The small stream comes out of the side of a sandy "sink hole" like I have seen on television (Florida and Louisiana). Where houses fall into collapsed ground. This short stream has a large amount of water in it. Probably 3-4 times the amount of an adjoining and much longer stream to the east.

The bedrock dips slightly down to the east and very slightly down to the Stewart River.

A flat lying deposit may be present. If so, the anomaly would disappear as one took silt samples up the hill and then would maybe show up on the other side of the hill at lower elevations. Flat lying deposits. e.g.) Wayne Au target - west of Elsa, Yukon. Disseminated Au deposits. e.g.) GetAng in southern China. Like here, three gold deposits in south China have no known spatially associated igneous rocks.

This work will keep the ET claims for two more years. I plan to keep them and do further work. Some companies are interested in the ET claims. My plans for the future are not made up yet.

Appendix 1

References

Assessment Report 093206, Sleeper 10-29, 115 P/8 by Ken Galambos

Yukon MINFILE 115 P 042, McGuinty

Geology and geochemistry of three sedimentary rock hosted disseminated gold deposits in Guizhou Province, Peoples Republic of China. Ore Geology Reviews, 6(1991) p. 133-151

Personal Communication

Ken Galambos, Mineral Development Geologist, Yukon Geology Program
Bob Stirling, Stewart River placer miner
Assistant Mining Recorder, Mayo Mining District

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): McGuinty
MINFILE #: 115P 042
MAJOR COMMODITIES: -
MINOR COMMODITIES: -
TECTONIC ELEMENT: Selwyn Basin

NTS MAP SHEET: 115 P 8
LATITUDE: 63°28'47"N
LONGITUDE: 136°23'00"W
DEPOSIT TYPE: Unknown
STATUS: Uncertain

CLAIMS (PREVIOUS AND CURRENT)

DAVID, HALONA, PAN, SLEEPER

WORK HISTORY

Staked as David & Halona cl (YA41512) in Nov/79 by C. Charette and as Pan cl (YA43488) in Jan/81 by S. Schmidt. The Sleeper 10-29 cl (YB29730) were staked 2.5 km to the northwest in May/93.

GEOLOGY

The earlier claims are probably underlain by Late Proterozoic-Early Cambrian schist, quartzite, and phyllite and may have been staked to protect surface rights.

Bulk silt (-200 mesh) samples and pan concentrates collected in 1992 returned values of 273 ppb and 2665 ppb gold, respectively.

REFERENCES

K.D. Galambos, Mar/94. Assessment Report #093206 by K.D. Galambos.

Appendix 2

Statement of Costs

Claims: ET 1-20, YC01041 - YC01060, ET 21-32, YC01380 - YC01391
Dates worked: August 19, 20, 22, 24, 28-31, 1998. September 1-3, 5-12, 1998.

Item	Details	Amount and Unit Cost	Total Cost
Labour	J. Peter Ross	19 days @ $250/day	$4,750.00
Camp Costs		19 days @ $35.00/day	665.00
Transportation	vehicle	1,391 km @ $0.42/km	584.22
Assaying	Au (30g), + ICP 32	14 rock samples	263.87
	- 80 mesh, Au (30g), + ICP 32	3 moss mat samples	49.32
	- 80 mesh, Au (30g), + ICP 32	8 silt samples	131.52
	- 200 mesh, Au (30g), + ICP 32	8 silt samples	124.06
Radio	self-owned	Spilsbury SBX 11	64.00
Report Preparation			640.00
		TOTAL COST	$7,271.99

Seven thousand two hundred and seventy-one dollars and ninety-nine cents ($7,271.99),
$6,400.00 will go towards 2 years assessment work for each of 32 claims.

Appendix 3

STATEMENT OF QUALIFICATIONS

I, John Peter Ross, do hereby certify that I:

1. am a qualified prospector with mailing address;

   Box 4842
   Whitehorse, Yukon
   Canada. Y1A 4N8

2. graduated from McGill University in 1970 with a B.Sc. General Science

3. have attended and finished completely the following courses;

   1974 - BC & Yukon Chamber of Mines, Prospecting Course
   1978 - United Keno Hill Mines Limited, Elsa, Yukon, Prospecting Course
   1987 - Yukon Chamber of Mines, Advanced Prospecting Course
   1991 - Exploration Geochemistry Workshop, GSC Canada
   1994 - Diamond Exploration Short Course, Yukon Geoscience Forum
   1994 - Yukon Chamber of Mines, Alteration and Petrology for Prospectors
   1994 - Applications of Multi-Parameter Surveys (Whitehorse), Ron Shives, GSC
   1994 - Drift Exploration in Glaciated and Mountainous Terrain, BCGS
   1995 - Applications of Multi-Parameter Surveys, (Vancouver) Ron Shives, GSC
   1995 - Diamond Theory and Exploration, Short Course # 20, GSC Canada
   1996 - New Mineral Deposit Models of the Cordillera, MDRU
   1997 - Geochemical Exploration in Tropical Environments, MDRU
   1998 - Metallogeny of Volcanic Arcs, Cordilleran Roundup Short Course
   1999 - Volcanic Massive Sulphide Deposits, Cordilleran Roundup Short Course

4. did all the work and the writing of this report

5. have been on the Yukon Prospectors' Assistance and Yukon Mining Incentive Program 1986 - 1999

6. have been on the British Columbia Prospectors' Assistance Program 1989 - 1990

7. have a 100% interest in the claims described in this report at the present time

John Peter Ross
12 OCTOBER 1999

Appendix 4

Rock Geochemistry - Assay Results

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY EXPLORATION (CANADA), INC

20 MACDONALD RD.
WHITEHORSE, YT
Y1A 4L2

A9835494

Comments: ATTN: RICK DIMENT

CERTIFICATE A9835494

(OQN) - VICEROY EXPLORATION (CANADA), INC.

Project: ET CLAIMS
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-NOV-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	14	Geochem ring to approx 150 mesh
226	14	0-3 Kg crush and split
3202	14	Rock - save entire reject
229	14	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	14	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	14	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	14	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	14	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	14	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	14	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	14	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	14	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	14	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	14	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	14	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	14	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	14	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	14	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	14	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	14	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	14	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	14	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	14	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	14	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	14	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	14	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	14	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	14	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	14	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	14	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	14	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	14	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	14	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	14	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	14	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	14	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	14	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY EXPLORATION (CANADA), INC

20 MACDONALD RD.
WHITEHORSE, YT
Y1A 4L2

Project : ET CLAIMS
Comments: ATTN: RICK DIMENT

Page Nu : 1-A
Total Pages : 1
Certificate Date: 14-NOV-1998
Invoice No. : I9835494
P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS A9835494

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
ET-6	205	226	< 5	< 0.2	1.06	2	90	< 0.5	< 2	0.05	< 0.5	6	165	14	1.89	< 10	< 10	0.11	10	0.38	430
ET-11	205	226	< 5	< 0.2	0.12	< 2	110	< 0.5	< 2	>15.00	0.5	< 1	18	13	0.19	< 10	10	0.08	< 10	0.40	35
ET-22	205	226	< 5	< 0.2	1.73	< 2	130	< 0.5	< 2	0.17	< 0.5	7	97	63	3.02	< 10	< 10	0.42	40	0.59	210
ET-25	205	226	< 5	< 0.2	1.50	< 2	110	< 0.5	< 2	0.54	< 0.5	14	99	43	2.85	< 10	< 10	0.36	40	0.51	250
ET-26	205	226	< 5	< 0.2	2.55	2	80	< 0.5	< 2	0.41	< 0.5	18	182	63	3.80	< 10	< 10	0.29	40	1.42	445
ET-28	205	226	< 5	< 0.2	1.76	< 2	20	< 0.5	< 2	0.05	< 0.5	9	144	25	3.07	< 10	< 10	0.04	10	0.79	365
ET-30	205	226	< 5	< 0.2	1.44	< 2	60	< 0.5	< 2	0.03	< 0.5	7	127	15	2.11	< 10	< 10	0.14	10	0.75	280
ET-33	205	226	< 5	< 0.2	1.56	< 2	30	< 0.5	< 2	0.01	< 0.5	11	161	26	2.72	< 10	< 10	0.03	10	0.69	365
ET-34	205	226	< 5	< 0.2	3.28	2	30	< 0.5	< 2	1.25	< 0.5	27	326	78	3.34	< 10	20	0.06	< 10	3.02	655
ET-36	205	226	< 5	< 0.2	2.11	< 2	90	< 0.5	< 2	0.05	< 0.5	10	79	48	3.65	< 10	< 10	0.20	40	0.74	385
ET-42	205	226	< 5	< 0.2	0.75	< 2	40	< 0.5	< 2	0.04	< 0.5	8	193	22	1.46	< 10	10	0.04	< 10	0.26	225
ET-48	205	226	< 5	< 0.2	0.26	< 2	100	< 0.5	< 2	1.42	< 0.5	3	121	2	0.41	< 10	30	0.16	10	0.07	710
ET-50	205	226	< 5	< 0.2	0.13	< 2	20	< 0.5	< 2	0.03	< 0.5	3	210	4	0.39	< 10	10	0.04	< 10	0.04	35
ET-51	205	226	< 5	< 0.2	0.07	< 2	20	< 0.5	< 2	0.04	< 0.5	< 1	207	1	0.23	< 10	< 10	0.05	< 10	< 0.01	45

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY EXPLORATION (CANADA), INC

20 MACDONALD RD.
WHITEHORSE, YT
Y1A 4L2

Project : ET CLAIMS
Comments: ATTN: RICK DIMENT

Page Nu : 1-B
Total Pages : 1
Certificate Date: 14-NOV-1998
Invoice No. : I9835494
P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS A9835494

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ET-6	205	226	1	0.01	16	140	6	< 2	1	10	< 0.01	< 10	< 10	11	< 10	28
ET-11	205	226	3	< 0.01	2	100	6	< 2	< 1	330	< 0.01	< 10	10	4	< 10	18
ET-22	205	226	1	0.01	17	360	< 2	< 2	1	12	< 0.01	< 10	< 10	8	< 10	52
ET-25	205	226	1	0.01	30	390	8	< 2	1	22	< 0.01	< 10	< 10	9	< 10	60
ET-26	205	226	1	0.01	57	300	10	< 2	3	19	0.01	< 10	< 10	26	< 10	74
ET-28	205	226	1	< 0.01	39	70	10	< 2	< 1	14	< 0.01	< 10	< 10	10	< 10	70
ET-30	205	226	< 1	0.02	18	110	4	< 2	1	8	< 0.01	< 10	< 10	12	< 10	36
ET-33	205	226	< 1	< 0.01	54	70	6	< 2	< 1	18	< 0.01	< 10	< 10	9	< 10	64
ET-34	205	226	< 1	0.05	192	1070	14	2	4	58	0.23	< 10	< 10	46	< 10	132
ET-36	205	226	1	0.02	19	200	6	< 2	1	22	0.01	< 10	< 10	12	< 10	80
ET-42	205	226	1	0.02	27	100	12	< 2	< 1	4	< 0.01	< 10	< 10	5	< 10	36
ET-48	205	226	2	0.01	7	240	2	< 2	< 1	72	< 0.01	< 10	< 10	3	< 10	18
ET-50	205	226	1	< 0.01	9	30	< 2	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	6
ET-51	205	226	1	< 0.01	5	40	2	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	< 2

CERTIFICATION: Ian Ritchie

Appendix 5

Rock Sample Descriptions

Sample Number	Description
ET6	in glacial till; silicious / cherty sediment, possible replacement; compositional layering, minor bull quartz veining
ET11	bedrock; vuggy carbonate calcite pumice texture, some areas had twig and leaf imprints
ET22	bedrock; schistose phyllite-very calcareous, MnO_2 stain along the bedding, vuggy in places
ET25	bedrock; similar to ET26, more calcareous
ET26	bedrock; well laminated, schistose phyllite, no carbonate, weakly calcareous
ET28	bedrock; silicious phyllite / quartzite, well developed foliation, minor disseminated pyrrotite
ET30	bedrock; well foliated silicious quartzite/phyllite
ET33	bedrock; well foliated silicious quartzite/phyllite
ET34	bedrock; micro fractured / stockworked grit - meta-greywacke
ET36	bedrock; well laminated silicious phyllite, schistose
ET42	float; (similar to ET6) silicious / cherty sediment, possible replacement; compositional layering, minor bull quartz veining
ET48	bedrock; well foliated silicious quartzite/phyllite
ET50	bedrock; bull quartz vein, MnO_2 stains
ET51	bedrock; bull quartz vein, MnO_2 stains

Appendix 6

Moss Mat Geochemistry - Assay Results

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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A9835495

Comments: ATTN: RICK DIMENT

CERTIFICATE A9835495

(OQN) - VICEROY EXPLORATION (CANADA), INC.

Project: ET CLAIMS
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-NOV-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	3	Dry, sieve to -80 mesh
202	3	save reject
229	3	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	3	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	3	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	3	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	3	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	3	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	3	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	3	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	3	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	3	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	3	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	3	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	3	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	3	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	3	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	3	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	3	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	3	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	3	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	3	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	3	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	3	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	3	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	3	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	3	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	3	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	3	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	3	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	3	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	3	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	3	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	3	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	3	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	3	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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Comments: ATTN: RICK DIMENT

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P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS A9835495

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
MM1	201	202	75	< 0.2	0.48	8	200	< 0.5	< 2	0.55	< 0.5	4	11	13	1.29	< 10	< 10	0.04	10	0.26	225
MM2	201	202	10	< 0.2	0.53	8	240	< 0.5	< 2	0.50	< 0.5	4	13	12	1.30	< 10	10	0.04	10	0.27	200
MM3	201	202	30	< 0.2	0.54	6	240	< 0.5	< 2	0.69	< 0.5	5	13	15	1.24	< 10	30	0.04	10	0.29	270

CERTIFICATION: Hawthickler

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Invoice No. : I9835495
P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS A9835495

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MM1	201	202	1	< 0.01	13	520	6	< 2	< 1	22	0.01	< 10	< 10	15	< 10	52
MM2	201	202	1	< 0.01	14	550	2	< 2	1	24	0.01	< 10	< 10	17	< 10	50
MM3	201	202	1	< 0.01	14	540	8	< 2	1	30	0.01	< 10	< 10	16	< 10	60

CERTIFICATION: Hartfuchler

Appendix 7

Silt Sample Geochemistry - Assay Results

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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A9835496

Comments: ATTN: RICK DIMENT

CERTIFICATE A9835496

(OQN) - VICEROY EXPLORATION (CANADA), INC. *

Project: ET CLAIMS
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-NOV-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	8	Dry, sieve to -80 mesh
202	8	save reject
229	8	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	8	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	8	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	8	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	8	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	8	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	8	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	8	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	8	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	8	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	8	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	8	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	8	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	8	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	8	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	8	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	8	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	8	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	8	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	8	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project : ET CLAIMS
Comments: ATTN: RICK DIMENT

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Total Pages :1
Certificate Date: 14-NOV-1998
Invoice No. :I9835496
P.O. Number :
Account :OQN

CERTIFICATE OF ANALYSIS A9835496

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
ES-1	201	202	335	< 0.2	0.63	12	590	< 0.5	< 2	0.77	< 0.5	7	24	17	2.52	< 10	10	0.04	30	0.43	300
ES-2	201	202	470	< 0.2	0.67	14	1020	< 0.5	< 2	0.75	< 0.5	8	38	20	3.78	< 10	10	0.04	50	0.41	380
S-1	201	202	1070	< 0.2	0.53	8	310	< 0.5	2	0.49	< 0.5	5	20	12	2.30	< 10	20	0.03	40	0.25	225
S-2	201	202	905	< 0.2	0.48	8	340	< 0.5	< 2	0.33	< 0.5	6	24	12	2.72	< 10	10	0.03	40	0.24	215
S-3	201	202	2550	< 0.2	0.51	10	290	< 0.5	< 2	0.34	< 0.5	5	18	12	2.20	< 10	10	0.03	30	0.24	225
S-4	201	202	760	0.6	0.56	10	410	< 0.5	< 2	0.36	< 0.5	6	22	13	2.51	< 10	10	0.03	40	0.27	240
S-5	201	202	1070	< 0.2	0.53	10	560	< 0.5	< 2	0.42	< 0.5	6	21	15	2.29	< 10	30	0.03	30	0.30	240
S-6	201	202	175	< 0.2	0.55	8	260	< 0.5	< 2	0.42	< 0.5	6	19	15	2.17	< 10	10	0.03	10	0.36	250

CERTIFICATION: Hartfichler

Chemex Labs Ltd.

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Project : ET CLAIMS
Comments: ATTN: RICK DIMENT

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Total Pages :1
Certificate Date: 14-NOV-1998
Invoice No. :I9835496
P.O. Number :
Account :OQN

CERTIFICATE OF ANALYSIS A9835496

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ES-1	201 202	1	< 0.01	23	850	4	< 2	1	37	0.03	< 10	< 10	41	< 10	80
ES-2	201 202	1	< 0.01	25	1010	6	< 2	1	44	0.06	< 10	< 10	69	10	84
S-1	201 202	1	< 0.01	16	610	6	< 2	1	21	0.05	< 10	< 10	36	< 10	54
S-2	201 202	1	< 0.01	16	650	8	< 2	1	20	0.04	< 10	< 10	45	10	52
S-3	201 202	< 1	< 0.01	16	560	6	< 2	1	19	0.05	< 10	< 10	34	< 10	50
S-4	201 202	1	< 0.01	17	720	12	2	1	22	0.06	< 10	< 10	41	< 10	56
S-5	201 202	1	< 0.01	17	720	6	< 2	1	23	0.04	< 10	< 10	37	< 10	58
S-6	201 202	1	< 0.01	19	660	6	< 2	1	21	0.03	< 10	< 10	28	< 10	66

CERTIFICATION: Ian Ritchie

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: VICEROY EXPLORATION (CANADA), INC

20 MACDONALD RD.
WHITEHORSE, YT
Y1A 4L2

A9837124

Comments: ATTN: RICK DIMENT

CERTIFICATE A9837124

(OQN) - VICEROY EXPLORATION (CANADA), INC. *

Project: ET CLAIMS
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 08-DEC-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
230	8	sieve to -200 mesh
202	8	save reject
229	8	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	5	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	8	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	8	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	8	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	8	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	8	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	8	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	8	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	8	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	8	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	8	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	8	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	8	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	8	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	8	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	8	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	8	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	8	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	8	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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Account :OQN

CERTIFICATE OF ANALYSIS A9837124

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
ES-1 -200	230	202	1550	< 0.2	0.66	10	490	< 0.5	< 2	0.72	< 0.5	6	24	18	2.81	< 10	20	0.05	30	0.47	280
ES-2 -200	230	202	2430	< 0.2	0.70	10	780	< 0.5	< 2	0.69	< 0.5	6	35	19	3.71	< 10	40	0.05	50	0.44	390
S-1 -200	230	202	not/ss	< 0.2	0.55	8	240	< 0.5	< 2	0.35	< 0.5	5	22	12	2.70	< 10	10	0.04	40	0.26	215
S-2 -200	230	202	5570	< 0.2	0.54	6	270	< 0.5	< 2	0.31	< 0.5	5	24	12	2.93	< 10	20	0.04	60	0.26	230
S-3 -200	230	202	not/ss	2.8	0.53	8	240	< 0.5	< 2	0.29	< 0.5	5	22	13	2.82	< 10	90	0.04	50	0.25	225
S-4 -200	230	202	not/ss	< 0.2	0.48	8	230	< 0.5	< 2	0.28	< 0.5	5	19	12	2.51	< 10	10	0.03	40	0.25	200
S-5 -200	230	202	3900	< 0.2	0.48	10	250	< 0.5	< 2	0.34	< 0.5	5	17	13	2.33	< 10	10	0.03	30	0.28	210
S-6 -200	230	202	1865	< 0.2	0.55	10	270	< 0.5	< 2	0.39	< 0.5	5	18	15	2.41	< 10	30	0.03	20	0.34	235

CERTIFICATION: Hartfichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project : ET CLAIMS
Comments: ATTN: RICK DIMENT

Page Number :1-B
Total Pages :1
Certificate Date: 08-DEC-1998
Invoice No. :19837124
P.O. Number :
Account :OQN

CERTIFICATE OF ANALYSIS A9837124

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ES-1 -200	230 202	1	< 0.01	22	930	2	2	1	39	0.04	< 10	< 10	42	< 10	80
ES-2 -200	230 202	< 1	< 0.01	22	1060	6	< 2	1	47	0.06	< 10	< 10	63	< 10	84
S-1 -200	230 202	< 1	< 0.01	16	650	2	< 2	1	23	0.06	< 10	< 10	43	< 10	50
S-2 -200	230 202	< 1	< 0.01	17	680	6	< 2	1	22	0.07	< 10	< 10	48	< 10	52
S-3 -200	230 202	< 1	< 0.01	17	630	4	< 2	1	20	0.07	< 10	< 10	47	< 10	50
S-4 -200	230 202	< 1	< 0.01	16	650	6	< 2	1	20	0.05	< 10	< 10	37	< 10	50
S-5 -200	230 202	< 1	< 0.01	17	660	4	< 2	1	21	0.04	< 10	< 10	34	< 10	54
S-6 -200	230 202	< 1	< 0.01	18	710	8	< 2	1	22	0.04	< 10	< 10	33	< 10	62

CERTIFICATION: Hartfichten