

ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET, VANCOUVER, B.C. V6B 1L8 TEL (604) 688-2568 • FAX (604) 688-2578

ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING AND GEOLOGICAL MAPPING

on the

ROPE CLAIMS

Rope 115-118
131-134

YB69200-YB69203
YB69216-YB69219

Latitude 61°36' N; Longitude 130°23' W

NTS 105G/9

in the

WATSON LAKE MINING DISTRICT
YUKON TERRITORY

Prepared by

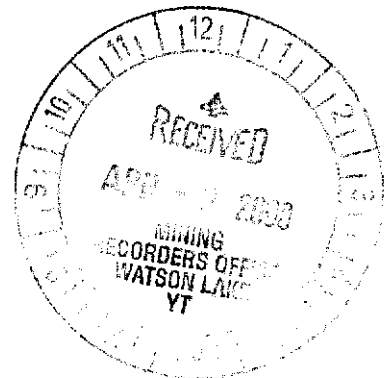
Archer, Cathro & Associates (1981) Limited

for

WOLVERINE JOINT VENTURE

W.A. Wengzynowski, P.Eng.
March, 2000

094105



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 5400.

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

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INTRODUCTION

Wolverine Joint Venture (Expatriate Resources Ltd. 60% and Atna Resources Ltd. 40%) owns the Rope claims which cover a limestone occurrence that is a potential source of material for neutralizing acids which could be generated during processing of massive sulphide ore from the nearby Kudz Ze Kayah and Wolverine Deposits.

Field exploration was conducted on August 23 by a three person crew flown to the area from a nearby property. The program consisted of geological mapping and chip sampling across three large limestone outcrops. All work was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

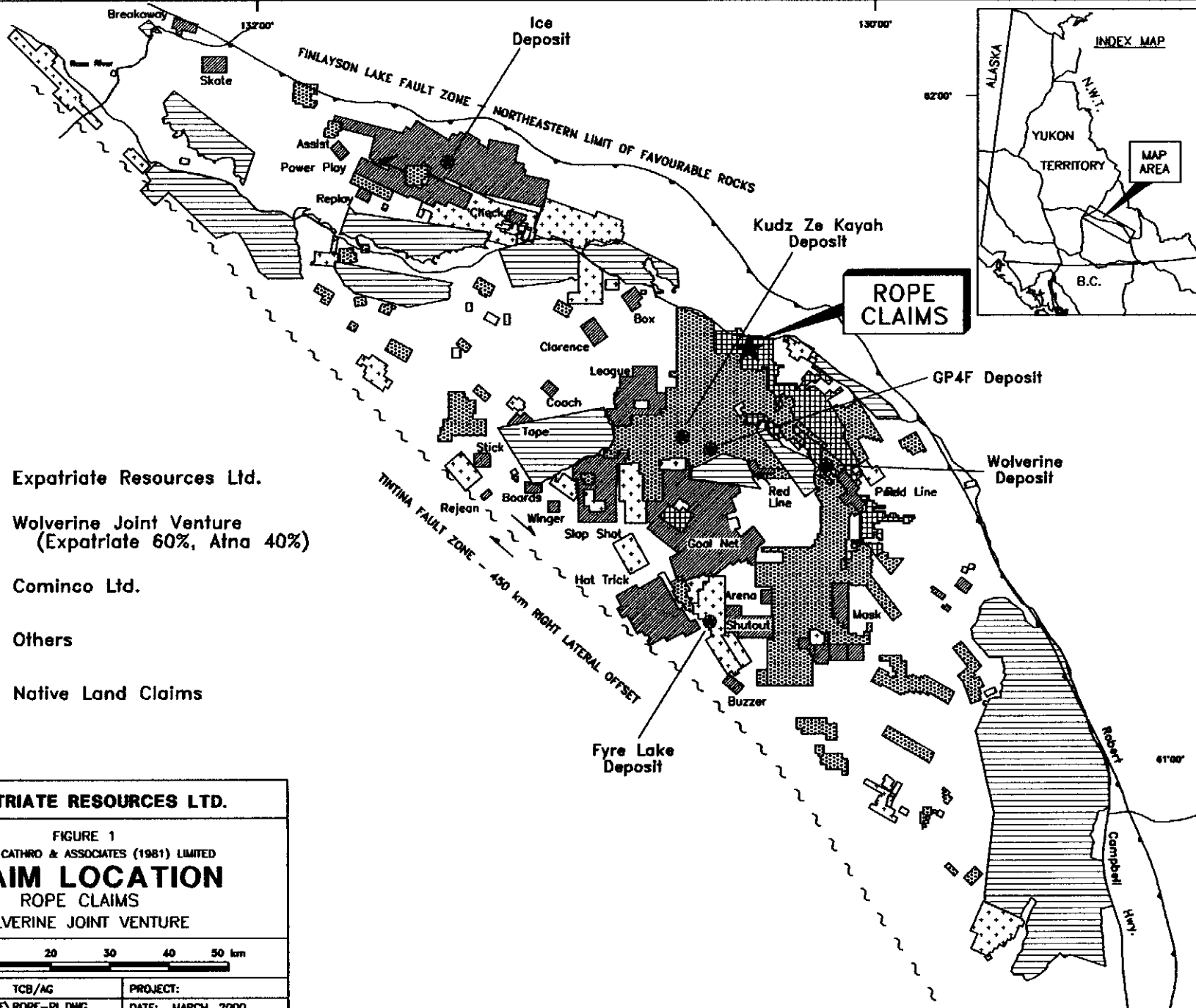
PROPERTY, LOCATION AND ACCESS






The area worked consists of contiguous mineral claims in southeastern Yukon at latitude 61°36'N and longitude 130°23'W on NTS map sheet 105G/9 (Figures 1 and 2). The claims are registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for the Wolverine Joint Venture. Claim registration data are listed below.


<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Rope 115-118	YB69200-YB69203	April 6, 2004
131-134	YB69216-YB69219	April 6, 2004

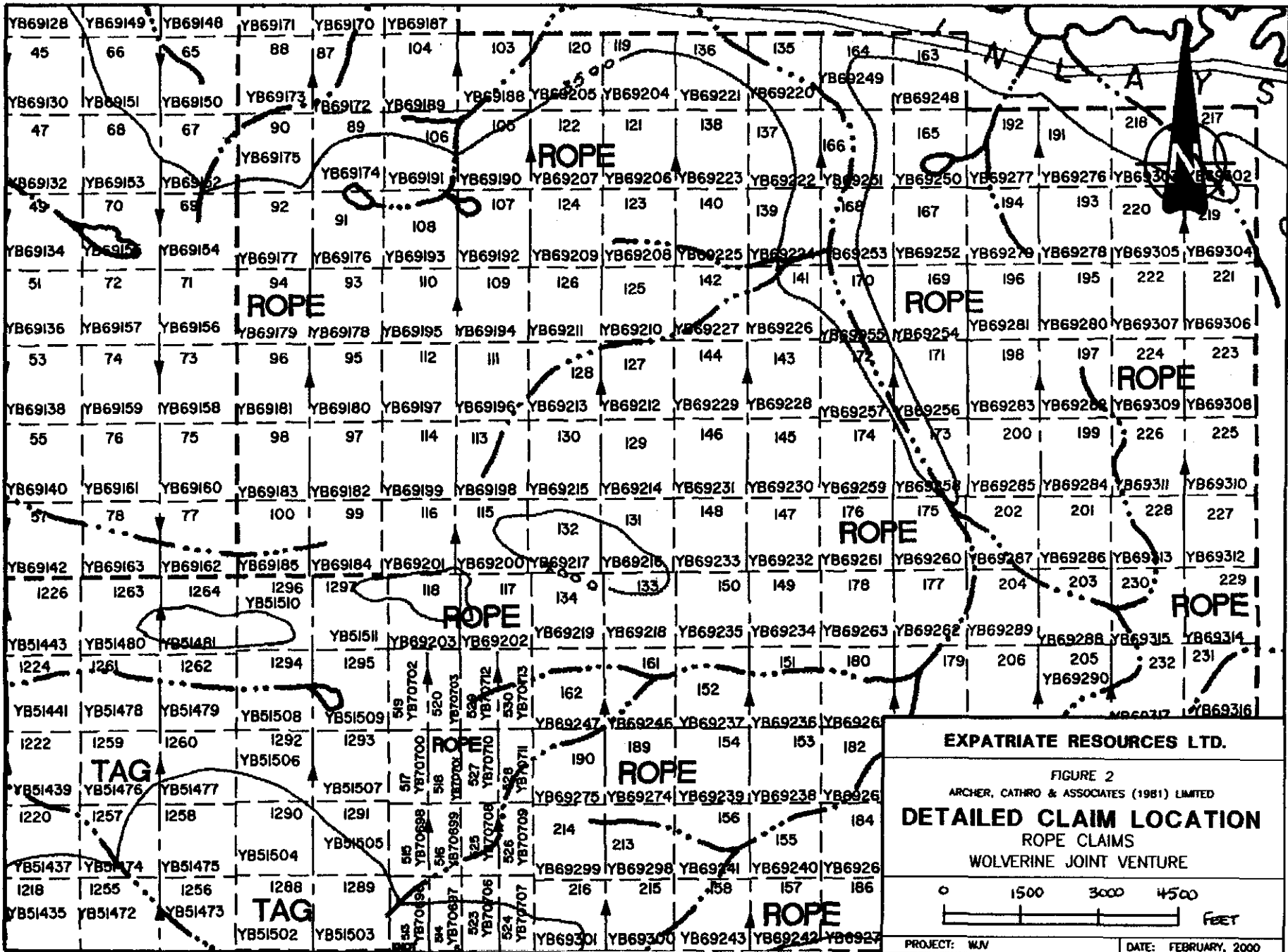
*Expiry dates include 1999 work filed for assessment credit but not yet accepted.

In 1999 the claims were accessed by helicopter from the Goal Net property some 47 km to the south. The area is situated about 3 km south of Km 228 on the Robert Campbell Highway which lies approximately 260 km northeast of Whitehorse. Road access is from Ross River, 132 km to the northwest or Watson Lake, 228 km to the southeast. Helicopter support was provided by a Bell 206B Jet Ranger operated by Trans North Helicopters from its base at Ross River.



-  Expatriate Resources Ltd.
-  Wolverine Joint Venture (Expatriate 60%, Atna 40%)
-  Cominco Ltd.
-  Others
-  Native Land Claims

EXPATRIATE RESOURCES LTD.	
FIGURE 1 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED CLAIM LOCATION ROPE CLAIMS WOLVERINE JOINT VENTURE	
	
DRAWN/REVISED BY: TCB/AG	PROJECT:
FILE: ..AC\WJ\LINE\ROPE-PL.DWG	DATE: MARCH, 2000



EXPATRIATE RESOURCES LTD.

FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAILED CLAIM LOCATION
 ROPE CLAIMS
 WOLVERINE JOINT VENTURE

0 1500 3000 4500
 FEET

PROJECT: WJV DATE: FEBRUARY, 2000

GEOMORPHOLOGY

The claims cover several knolls at the northern edge of the Campbell Range. Creeks draining the area flow northward into the Finlayson River which is part of the MacKenzie River watershed.

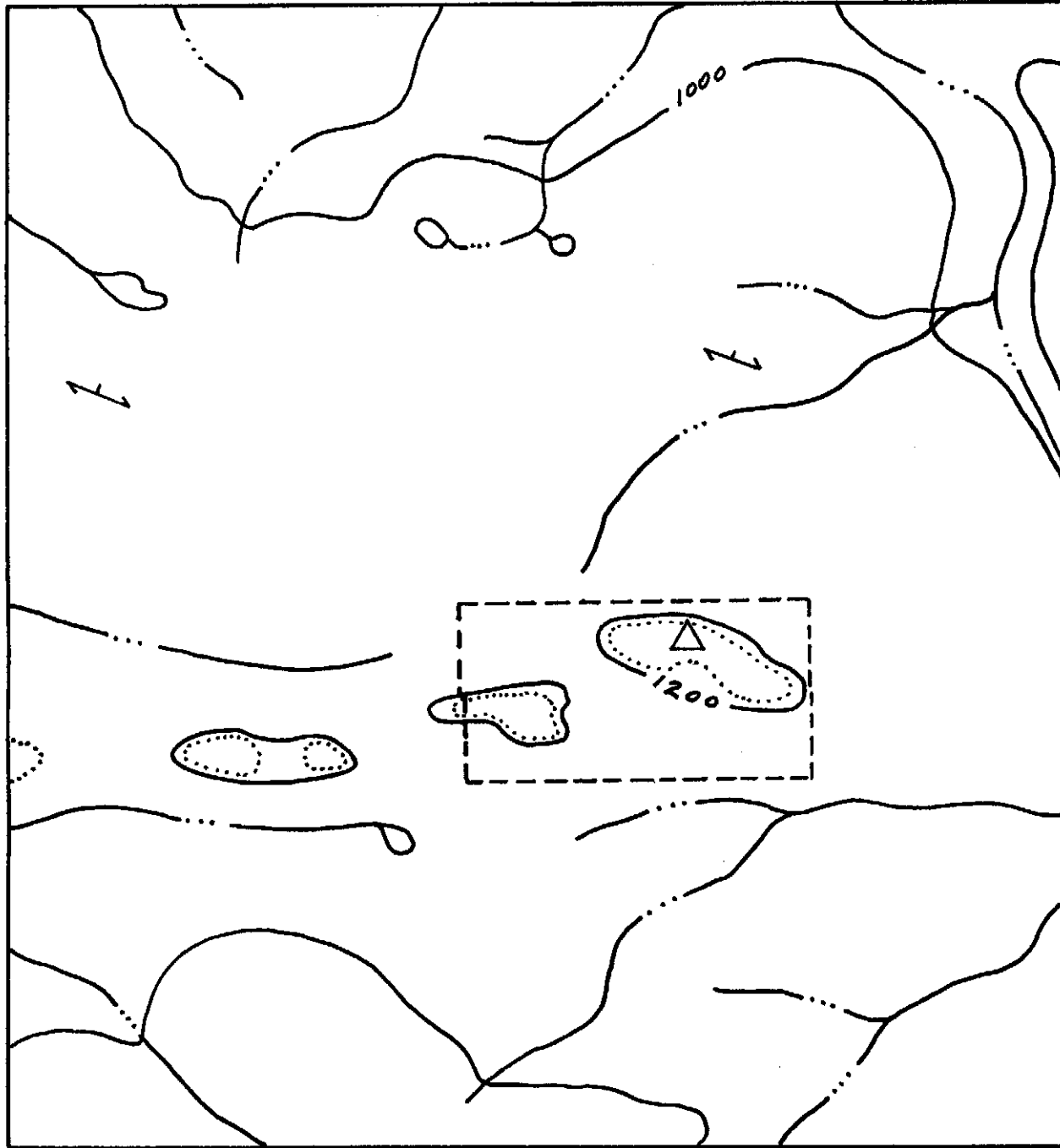
Local elevations range from 1100 m in nearby creek valleys to 1250 m atop the knolls in the central part of the claim block. Topographic relief is typically gentle (5 and 20°). Impassable cliffs are present near the crests of some knolls. Pleistocene glaciation deposited till ranging from 10 cm to >1 m over most of the area.

Vegetation consists of moderately dense growths of stunted black spruce, balsam, alder and buckbrush. Marshy areas are common on plateaus.

GEOLOGY

The claims are located within the Finlayson Lake Block, a 380 by 60 km area comprised primarily of Paleozoic metasedimentary and metavolcanic rocks of the Yukon-Tanana Terrane. The most recent regional scale mapping completed in the vicinity of these Rope claims was done in the late 1970's (Tempelman-Kluit, 1976, 1977, 1979). A better description of the limestone appeared in an earlier compilation (Wheeler et al, 1960). These mappers assigned the limestone a Permian age.

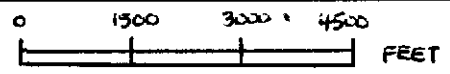
Four large outcrops and a series of smaller exposures were mapped in 1999 within a 300 by 300 m area (Figure 3). All consist of massive grey and cream coloured, buff weathering limestone. Some of the exposures contain 20 to 40% pale grey to white spherical calcite nodules up to 1.5 cm in diameter. No laminations or remnant bedding of any kind are present, therefore it was not possible to reliably discern the orientation of the rocks. The four main outcrops appear to form three linear west-northwest trending horizons. They exhibit gentle northerly slopes and steep southern exposures which suggests the horizons dip northward. These observations are consistent with the regional stratigraphic orientations which strike northwest and dip gently to the northeast.



- LIMESTONE OUTCROP
- ↗ REGIONAL TREND OF STRATIGRAPHY
- 1999 WORK AREA
- △ 1999 SAMPLE SITE

EXPATRIATE RESOURCES LTD.

FIGURE 3
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GEOLOGY
 ROPE CLAIMS
 WOLVERINE JOINT VENTURE



PROJECT: WJV

DATE: FEBRUARY, 2000

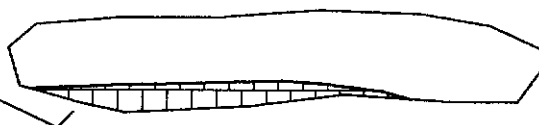
MINERALIZATION AND LITHOGEOCHEMICAL RESULTS

Ten chip samples (each containing about 5 kg of material) were taken across the profiles of the three limestone horizons. If the assumed orientation for the limestone is correct, this represents an aggregate thickness of about 38 m. The samples were sent to Chemex Labs Ltd. of North Vancouver, pulverized to -150 mesh and submitted for whole rock analyses by x-ray diffraction and static test (acid base accounting) using the net neutralization potential techniques. Sample locations are shown on Figure 4 while Certificates of Analysis are contained in Appendix II.

Nine of ten samples contained greater than 15% calcium with very low values for most other elements. Weakly elevated mercury numbers were reported for several of the intervals however, this is attributed to analytical interference. The intervals with strong calcium values also reported very high neutralization potential.



6 m —
(AA0638)
3 m —
(AA0637)
0 m —



12 m —
(AA0636)
8 m —
(AA0635)
4 m —
(AA0634)
0 m —



20 m —
(AA0633)
16 m —
(AA0632)
12 m —
(AA0631)
8 m —
(AA0630)
4 m —
(AA0629)
0 m —



250 m



limestone cliff exposure

—
(AA0629) chip sample across
cliff exposure

EXPATRIATE RESOURCES LTD.

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

ROPE CLAIMS

WOLVERINE JOINT VENTURE

FILE: ...w\jv\lime\limeston.dwg

DATE: MARCH, 2000

CONCLUSIONS AND RECOMMENDATIONS

The limestone horizons on the Rope claims represent an aggregate thickness of approximately 38 m, of which 34 m is excellent quality. The purity and neutralization potential of this material is sufficient for use in several applications that may be required for treating ore and waste from either the Wolverine and Kudz Ze Kayah massive sulphide deposits.

Further work should include delineating the limestone horizons along strike and ground inspecting possible access routes from this area to the Robert Campbell Highway and Kudz Ze Kayah access road.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


W.A. Wengzynowski, P.Eng.

SELECTED REFERENCES

Tempelman-Kluit, D.J., Gordey, S.P. and Read, B.C.

- 1976 Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geological Survey of Canada Paper 76-1A, pp.97-106.

Tempelman-Kluit, D.J.

- 1977 Quiet Lake (105F) and Finlayson Lake (105G) map areas; Geological Survey of Canada Open File 486.

- 1979 Transported Cataclasite, Ophiolite and Granodiorite in Yukon: Evidence of Arc-Continent Collision, Geological Survey of Canada, Paper 79-14, p27.

Wheeler, J.O., Green, L.H. and Roddick, J.A.

- 1960 Map 8-1960, Geology, Finlayson Lake, Yukon Territory, Geological Survey of Canada.

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc. in geological engineering, option 1, mineral and fuel exploration.
2. I became a Professional Engineer on December 12, 1998 registered in the Province of British Columbia.
3. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in and supervised the field work reported herein.



W.A. Wengzynowski, P.Eng.

APPENDIX II
CERTIFICATES OF ANALYSIS



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: WOLVERINE JOINT VENTURE
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 BOX 4127, 2054 SECOND AVE.
 WHITEHORSE, YT
 Y1A 3S9

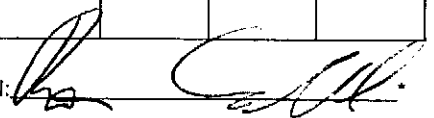
Page Number : 1-A
 Total Pages : 1
 Certificate Date: 10-SEP-1999
 Invoice No. : 19927074
 P.O. Number :
 Account : RDE

Project : WJV-LIMESTONE
 Comments:

CERTIFICATE OF ANALYSIS A9927074

SAMPLE	PREP CODE		PASTE pH	S % Total	Max Pot Acid **	Neutral Poten**	Net Neu Poten**	Ratio NP/MPA	Fizz Test	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm
AA 0629	299	229	8.6	< 0.01	1	392	391	392.0	4	0.2	0.07	4	< 10	10	< 0.5	< 2
AA 0630	299	229	8.6	< 0.01	1	915	914	915.0	4	0.2	0.05	4	< 10	30	< 0.5	< 2
AA 0631	299	229	8.8	< 0.01	1	930	929	930.0	4	0.2	0.01	2	< 10	50	< 0.5	< 2
AA 0632	299	229	8.6	< 0.01	1	925	924	925.0	4	0.2	0.04	4	< 10	30	< 0.5	< 2
AA 0633	299	229	8.7	< 0.01	1	938	937	938.0	4	0.2	0.04	2	< 10	30	< 0.5	< 2
AA 0634	299	229	8.7	< 0.01	1	974	973	974.0	4	0.2	< 0.01	6	< 10	70	< 0.5	< 2
AA 0635	299	229	8.7	< 0.01	1	984	983	984.0	4	< 0.2	< 0.01	4	< 10	60	< 0.5	< 2
AA 0636	299	229	8.7	< 0.01	1	980	979	980.0	4	0.2	0.01	4	< 10	60	< 0.5	< 2
AA 0637	299	229	8.7	< 0.01	1	982	981	982.0	4	< 0.2	< 0.01	4	< 10	40	< 0.5	< 2
AA 0638	299	229	8.7	< 0.01	1	983	982	983.0	4	< 0.2	< 0.01	2	< 10	100	< 0.5	< 2

NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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Y1A 3S9

Project: WJV-LIMESTONE
Comments:

Page Number: 1-B
Total Pages: 1
Certificate Date: 10-SEP-1999
Invoice No.: 19927074
P.O. Number:
Account: RDE

CERTIFICATE OF ANALYSIS A9927074

SAMPLE	PREP CODE	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %
AA 0629	299 229	14.10	< 0.5	< 1	41	4	0.15	< 10	< 1	0.01	< 10	0.10	285	< 1	< 0.01
AA 0630	299 229	>15.00	1.0	< 1	6	3	0.15	< 10	2	0.01	< 10	0.26	450	< 1	< 0.01
AA 0631	299 229	>15.00	4.0	< 1	3	4	0.11	< 10	3	< 0.01	< 10	0.24	650	< 1	< 0.01
AA 0632	299 229	>15.00	1.0	< 1	4	1	0.21	< 10	2	0.01	< 10	0.22	480	< 1	< 0.01
AA 0633	299 229	>15.00	1.0	< 1	5	3	0.20	< 10	1	0.01	< 10	0.24	420	< 1	< 0.01
AA 0634	299 229	>15.00	2.0	6	1	4	0.07	< 10	< 1	< 0.01	< 10	0.21	755	< 1	< 0.01
AA 0635	299 229	>15.00	2.0	1	1	2	0.03	< 10	2	< 0.01	< 10	0.19	335	< 1	< 0.01
AA 0636	299 229	>15.00	2.0	1	2	3	0.04	< 10	4	< 0.01	< 10	0.22	255	< 1	< 0.01
AA 0637	299 229	>15.00	2.0	1	2	< 1	0.04	< 10	3	< 0.01	< 10	0.19	275	< 1	< 0.01
AA 0638	299 229	>15.00	2.5	< 1	5	< 1	0.04	< 10	1	< 0.01	< 10	0.21	235	< 1	< 0.01

NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

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Project : WJV-LIMESTONE
Comments:

Page Number : 1-C
Total Pages : 1
Certificate Date: 10-SEP-1999
Invoice No. : I9927074
P.O. Number :
Account : RDE

CERTIFICATE OF ANALYSIS A9927074

SAMPLE	PREP CODE	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
AA 0629	299 229	1	250	20	< 0.01	< 2	< 1	204	< 0.01	< 10	< 10	1	< 10	10
AA 0630	299 229	1	410	12	< 0.01	< 2	< 1	326	< 0.01	< 10	10	3	< 10	12
AA 0631	299 229	1	1190	8	< 0.01	< 2	< 1	287	< 0.01	< 10	10	< 1	< 10	18
AA 0632	299 229	1	480	8	< 0.01	< 2	< 1	368	< 0.01	< 10	10	2	< 10	12
AA 0633	299 229	1	600	4	< 0.01	< 2	< 1	342	< 0.01	< 10	10	2	< 10	10
AA 0634	299 229	5	600	4	< 0.01	< 2	< 1	259	< 0.01	< 10	10	< 1	< 10	10
AA 0635	299 229	1	530	6	< 0.01	< 2	< 1	176	< 0.01	< 10	10	2	< 10	10
AA 0636	299 229	3	500	2	< 0.01	< 2	< 1	158	< 0.01	< 10	10	< 1	< 10	14
AA 0637	299 229	1	550	2	< 0.01	< 2	< 1	190	< 0.01	< 10	10	1	< 10	8
AA 0638	299 229	1	440	2	< 0.01	< 2	< 1	208	< 0.01	< 10	10	< 1	< 10	8

NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION:  



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BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : WJV-LIMESTONE
Comments:

Page : 1
Total : 1
Certificate Date: 08-SEP-1999
Invoice No. : 19927072
P.O. Number :
Account : RDE

CERTIFICATE OF ANALYSIS A9927072

SAMPLE	PREP CODE	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
AA 0629	208 294	0.87	21.26	< 0.01	0.21	0.10	0.12	0.04	0.06	0.08	59.29	0.03	17.55	99.61
AA 0630	208 294	0.83	51.96	< 0.01	0.19	0.08	0.31	0.04	< 0.01	0.10	6.39	0.02	39.51	99.43
AA 0631	208 294	0.40	53.15	< 0.01	0.12	0.05	0.32	0.06	< 0.01	0.34	5.19	< 0.01	39.99	99.62
AA 0632	208 294	0.64	53.18	< 0.01	0.31	0.09	0.28	0.04	< 0.01	0.12	5.18	0.01	39.99	99.84
AA 0633	208 294	0.55	53.31	< 0.01	0.31	0.09	0.30	0.04	< 0.01	0.16	4.37	0.01	40.39	99.53
AA 0634	208 294	0.38	56.84	< 0.01	0.06	0.03	0.29	0.08	< 0.01	0.19	1.36	< 0.01	40.47	99.70
AA 0635	208 294	0.23	57.80	< 0.01	< 0.01	0.03	0.26	0.03	< 0.01	0.17	0.49	< 0.01	40.72	99.73
AA 0636	208 294	0.35	57.74	< 0.01	< 0.01	0.05	0.31	0.02	< 0.01	0.15	0.83	< 0.01	40.35	99.80
AA 0637	208 294	0.20	56.55	< 0.01	0.05	0.03	0.26	0.03	< 0.01	0.16	0.75	< 0.01	41.80	99.83
AA 0638	208 294	0.21	56.83	< 0.01	0.01	0.03	0.24	0.01	< 0.01	0.14	0.79	< 0.01	41.50	99.76

CERTIFICATION:

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Box 4127, Whitehorse, Yukon Y1A 3S9

Telephone: (867) 667-4415

Fax: (867) 667-4622

AFFIDAVIT

I, Joan Mariacher, of VANCOUVER, B.C. make oath and say:

That to the best of my knowledge the attached Statement of

Expenditures for exploration work on the ROPE 115-118 & 131-134

mineral claims on Claim Sheet 105619 is accurate.


Joan Mariacher

Sworn before me at VANCOUVER, B.C.

this 29TH day of

MARCH, 2000



Notary, Yukon Territory

094105



Statement of Expenditures
Rope 115-118 and 131-134 Mineral Claims
March 29, 2000

Expense

D. Eaton – geologist- 10 hours August at \$66/hr	\$ 706.20
- 5 hours March 2000 at \$60/hr	321.00
B. Wengzynowski – geologist – 4 hours August at \$50/hr	214.00
- 16 hours March 2000 at \$60/hr	1,027.20
B. Gay – geologist – August 23 at \$288.75/day	308.96
G. Downs – field assistant – August 23 at \$245/day	262.15
K. Dunfield – field assistant – August 23 at \$192.50/day	<u>205.98</u>
	3,045.49

Expenses

Field room and board – 4 ¾ days at \$115/day	584.49
Trans North Bell 206B – 2.0 hours at \$700/hr plus fuel	1,629.36
Chemex Labs	<u>815.34</u>
	3,029.19
	<u>\$6,074.68</u>

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

WOLVERINE JOINT VENTURE

Date

AUGUST 31, 1999

LABOUR				
Field	A. ARCHER - 7 HRS AT 66/HRL		462.00	
	D. EATON - 10 HRS AT 66/HRL (LIMESTONE)		660.00	
	B. WENCZYNOWSKI - 4 HRS AT 50/HRL (LIMESTONE)		200.00	
	B. GAY - 1 DAY AT 288.75/DAY	"	288.75	
	G. DOWNS - 1 DAY AT 245/DAY	"	245.00	
	K. DUNFIELD - 1 DAY AT 197.50/DAY	"	197.50	
TO CORRECT JUNE BILLING	B. GAY - 10 DAYS AT 247.50 - S/B 288.75/DAY = 10 DAYS AT 41.25/DAY		412.50	
	I. WEATHERLTON - 2 DAYS AT 187.50 - S/B 218.75/DAY = 2 DAYS AT 31.25/DAY		62.50	
	K. BLASO - 10 DAYS AT 187.50 - S/B 218.75/DAY = 10 DAYS AT 31.25/DAY		312.50	
Office	M. COOKE - 3 1/2 HRS AT 44.80/HRL		149.80	
Accounting and Expediting	A. BELLING - 1/4 HRL AT 52/HRL		76.00	
	J. MARINCHER - 19 1/4 HRS AT 53.67/HRL		1032.19	4043.74
OTHER SERVICES				
	Room & Board in Whitehorse			
	Field equipment from AC stock			
	Printing	Photocopies 360 AT .25	90.00	
	Rentals from AC			
Drafting	4 hrs at \$44.50/hr.		168.00	258.00
EXPENSES				
	Petty Cash			
	Telephone 25.03		25.03	
	INTEGRAPHICS	DI	223.33	
	RAIL		163.21	
	NORCAN LEASING		72.67	484.24
				4785.98
MANAGEMENT				
GST (R100247667)	7% ON 4785.98			335.02
E=GST exempt				5121.00



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER	ARCHEXP		
INVOICE NUMBER	24173		
INVOICE DATE	30	08	99
A/C TYPE	206	AIRCRAFT REGISTRATION C	
FLIGHT DATE	23	08	99
PURCHASE ORDER NO.			

ARCHER CATHRO
 CHARTERER
 Expatriate Resources
 BILLING ADDRESS
 PO Box 4127 Whitehorse YT Y1A-3S9

FUEL & OIL X	TNTA FUEL USED	HRS./LITRES	FROM
✓	✓	4DM 2.0	

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YDM			
FIRE LAKE		1.3	
FIRE LAKE		.1	
YDM		1.2	
\$ WTV 2.0 - 1522.77 106.59 1629.36			

SUB	G.L.	AMOUNT			
1607	502	1820.00	2.6	@ 700.00	1820.00
1600	131	159.60		@	
0000	323	158.57		FUEL 228.0 @ .70 / LITRE	159.60

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X
 CHARTERER'S SIGNATURE
 CHARTERER'S NAME (PRINTED)
 INITIALS: GMS
 ENGINEER'S NAME: MARK

HOLDING TIME:	@	/ HR.	
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL			1979.60
GOODS & SERVICES TAX			138.57
REGISTRATION NO. R121483135			
TOTAL	\$		2118.17

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



Chemex Labs Ltd.

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

To: WOLVERINE JOINT VENTURE
C/O ARCHER, CATRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

INVOICE NUMBER

I 9 9 2 7 0 7 2

BILLING INFORMATION

Date: 08-SEP-1999
Project: WJV-LIMESTONE \checkmark
P.O. No.:
Account: RDE

Comments:

Billing: For analysis performed on
Certificate A9927072

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	208 - Assay ring to approx 150 mesh	2.60		
	294 - 4-7 Kg crush and split	3.50		
	3202 - Rock - save entire reject	0.60		
	A-413 XRF - Basic W.R.A.	22.50	29.20	292.00
				Total Cost \$ 292.00
				Client Discount (25%) \$ -73.00
				Net Cost \$ 219.00
				(Reg# R100938885) GST \$ 15.33
				TOTAL PAYABLE (CDN) \$ 234.33



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

To: WOLVERINE JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

INVOICE NUMBER I 9 9 2 7 0 7 4

BILLING INFORMATION	
Date:	10-SEP-1999
Project:	WJV-LIMESTONE <i>LA</i>
P.O. No.:	
Account:	RDE
Comments:	
Billing:	For analysis performed on Certificate A9927074
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts
Please Remit Payments to:	
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	299 - Pulp; prepped on other workorder G-2 Acid/base accounting ICP-32	0.00 65.00 7.40		724.00
Total Cost \$				724.00
Client Discount (25%) \$				<u>-181.00</u>
Net Cost \$				543.00
(Reg# R100938885) GST \$				<u>38.01</u>
TOTAL PAYABLE (CDN) \$				581.01

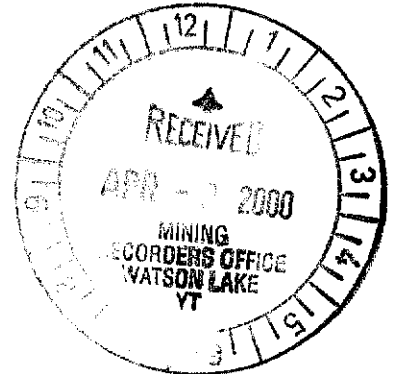
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Box 4127, Whitehorse, Yukon Y1A 3S9

Telephone: (867) 667-4415

Fax: (867) 667-4622

AFFIDAVIT



I, Joan Mariacher, of VANCOUVER, B.C. make oath and say:

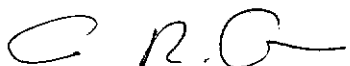
That to the best of my knowledge the attached Statement of Expenditures for exploration work on the ROPE 115-118 & 131-134 mineral claims on Claim Sheet 105619 is accurate.


Joan Mariacher

Sworn before me at VANCOUVER, B.C.

this 29TH day of

MARCH, 2000


Notary, Yukon Territory

Statement of Expenditures
Rope 115-118 and 131-134 Mineral Claims
March 29, 2000

Expense

D. Eaton – geologist- 10 hours August at \$66/hr	\$ 706.20
- 5 hours March 2000 at \$60/hr	321.00
B. Wengzynowski – geologist – 4 hours August at \$50/hr	214.00
- 16 hours March 2000 at \$60/hr	1,027.20
B. Gay – geologist – August 23 at \$288.75/day	308.96
G. Downs – field assistant – August 23 at \$245/day	262.15
K. Dunfield – field assistant – August 23 at \$192.50/day	<u>205.98</u>
	3,045.49

Expenses

Field room and board – 4 ¾ days at \$115/day	584.49
Trans North Bell 206B – 2.0 hours at \$700/hr plus fuel	1,629.36
Chemex Labs	<u>815.34</u>
	3,029.19
	<u>\$6,074.68</u>

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project WOLVERINE JOINT VENTURE
Date AUGUST 31, 1999

LABOUR				
Field	A. ARCHER - 7 HRS AT 66/HR		462.00	
	D. EATON - 10 HR AT 66/HR (LIMESTONE)		660.00	
	B. WENGZYNOWSKI - 4 HRS AT 50/HR (LIMESTONE)		200.00	
	B. GAY - 1 DAY AT 288.75/DAY	"	288.75	
	G. DOWNS - 1 DAY AT 245/DAY	"	245.00	
	K. DUNFIELD - 1 DAY AT 197.50/DAY	"	197.50	
TO CORRECT JUNE BILLING	B. GAY - 10 DAYS AT 247.50 - S/B 288.75/DAY = 10 DAYS AT 41.25/DAY		412.50	
	I. WEATHERSTON - 2 DAYS AT 187.50 - S/B 218.75/DAY = 2 DAYS AT 31.25/DAY		62.50	
	K. BLASCO - 10 DAYS AT 187.50 - S/B 218.75/DAY = 10 DAYS AT 31.25/DAY		312.50	
Office	M. COOKE - 3 1/2 HRS AT 44.80/HR		149.80	
Accounting and Expediting	A. BELLING - 1/2 HR AT 52/HR		26.00	
	J. MARINCHER - 19 1/4 HRS AT 53.67/HR		1032.19	4043.74
OTHER SERVICES				
	Room & Board in Whitehorse			
	Field equipment from AC stock			
	Printing Photocopies 360 AT .25		90.00	
	Rentals from AC			
Drafting	4 hrs at \$44 /hr.		168.00	258.00
EXPENSES				
	Petty Cash			
	Telephone 25.03		25.03	
	INTEGRAPHIX	DI	223.33	
	CALL		163.21	
	NORCAN LEASING		72.67	484.24
				4785.98
MANAGEMENT				
GST (R100247667)	7% OF 4785.98			335.02
E=GST exempt				5121.00



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER	ARCHEXP		
INVOICE NUMBER	24173		
INVOICE DATE	30/08/99		
A/C TYPE	206	AIRCRAFT REGISTRATION C	GFKD
FLIGHT DATE	23	DAY	08/99
PURCHASE ORDER NO.			

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 CHARTERER
 Expatriate Resources
 BILLING ADDRESS
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INVOICE NUMBER **I 9 9 2 7 0 7 2**

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P.O. No.:	
Account:	RDE
Comments:	
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INVOICE NUMBER I 9 9 2 7 0 7 4

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