Operator: LEMMING RESOURCES LTD.

ASSESSMENT REPORT

SOIL GEOCHEMISTRY

BAP 10, 14, 18 MINERAL CLAIMS

OMINECA MINING DIVISION

94D/8E

56°**29*N,** 126°**63*W** 29.7′ 06′

Owner: BP Minerals Limited

GEOLOGICAL BRANCH ASSESSMENT REPORT

15, 182

C.M. Rebagliati, P.Eng.

September 23, 1986

FILMED

TABLE OF CONTENTS

	Page
INTRODUCTION	i
LOCATION AND ACCESS	1
CLAIMS	1
GEOLOGY	2
GEOCHEMISTRY	2
DISCUSSION OF RESULTS	2
RECOMMENDATIONS	3
STATEMENT OF EXPENDITURES	3
CERTIFICATE OF QUALIFICATIONS	4

LIST OF FIGURES

		Following Page
FIGURE 1	Location Map	1
FIGURE 2	Claim Map	l
FIGURE 3	Soil Geochemistry	2

LIST OF APPENDICES

APPENDIX 1	Geochemical Assay Certificates
APPENDIX 2	Analytical Procedures

INTRODUCTION

In 1975 and 1976 BP Minerals Limited conducted a soil geochemical grid over the BAP 10, 14 and 18 mineral claims to assess the copper-zinc potential of a large conspicuous gossan. In 1982 the sample pulps were reanalyzed and many were found to be geochemically enhanced in gold.

This report describes the geochemical survey undertaken by Lemming Resources Ltd. to relocate and to define the areas of anomalous gold concentrations.

LOCATION AND ACCESS

The claims are located at 56° 29'N latitude and 126° 05'W longitude in the Omineca Mining Division approximately 200 km north-northeast of Smithers and 10 km south-southeast of Johanson Lake (NTS 94D/08, Fig. 1). Access to the property is by helicopter from Johanson Lake, a distance of 15 km, which in turn reached by wheel or float equipped aircraft, or by the Omineca Highway. The Omineca Highway is reached from Fort St. James (400 km) or via Highway 97 from Prince George (500 km). The Dease Lake extension of the British Columbia Railway is operational between Prince George and Driftwood, 65 km southwest of Johanson Lake.

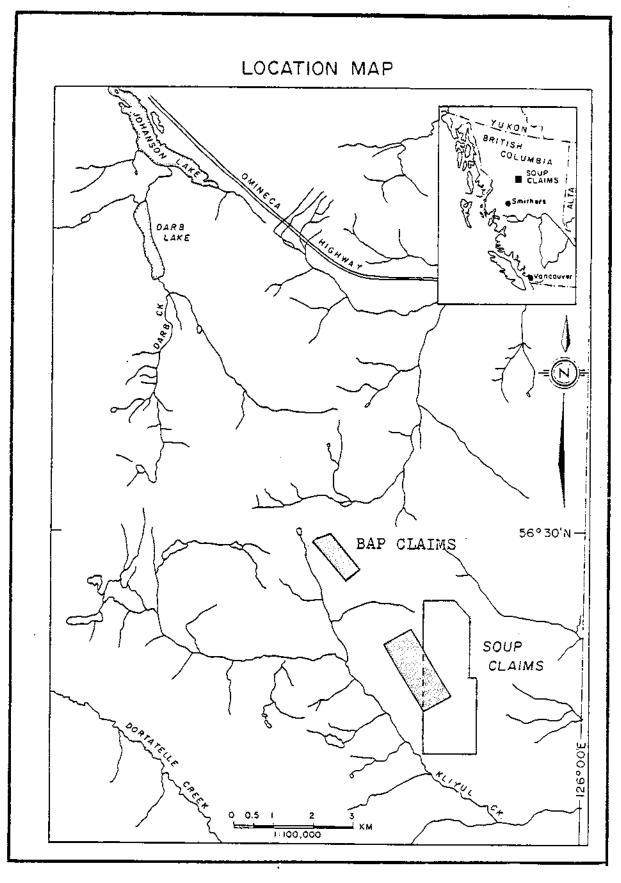
The claims are situated east of Kliyul Creek above timber-line on a 30° southwest facing slope on which elevations range from 1800 to 2000 meters. Ubiquitous talus obscures approximately 65% of the bed rock.

CLAIMS

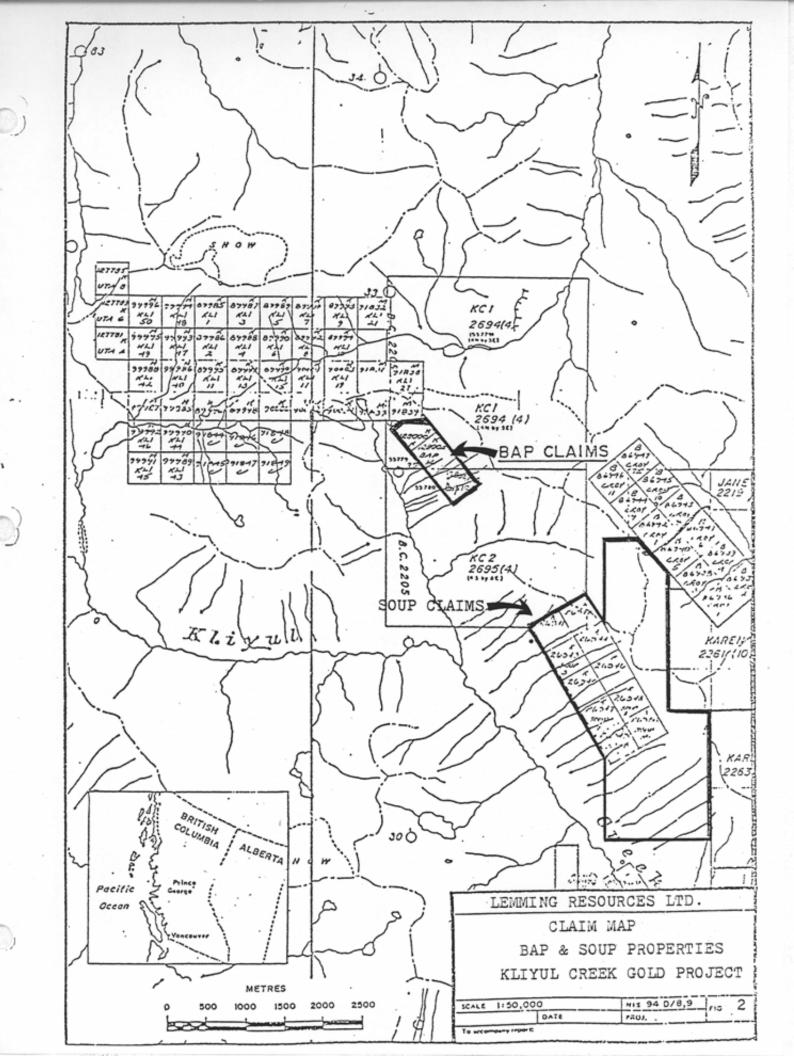
The BAP claims are owned by BP Resources Canada Limited and are held under option by Lemming Resources Ltd. (Figure 2).

Claim Name	Record #	<u>Units</u>	Recording Date	Expiry Date*
BAP 10	128000	i	August 13, 1973	August 13, 1994
BAP 14	128004	1	August 13, 1973	August 13, 1994
BAP 18	128008	1	August 13, 1973	August 13, 1994

^{*} Upon acceptance of this assessment report.



LEMMING RESOURCES LTD. KLIYUL CREEK GOLD PROJECT



GEOLOGY

The claims are underlain by northerly striking, gently easterly dipping volcanic rocks of the Upper Triassic - Lower Jurassic Takla Group. Andesite tuffs are intruded by a zoned monzonite - hornblendite stock and by numerous monzonite, diorite and felsite dykes. A large hydrothermal aureole, marked by a regionally prominent gossan, formed adjacent to the eastern side of the stock where dykes abound. Disseminated pyrite and minor chalcopyrite are widely distributed and are the source of the gossan. Post intrusion ductile shearing along the trend of the regionally extensive Kliyul Creek Fault has lead to the development of well defined zones of chlorite and sericite schists within the aureole.

GEOCHEMISTRY

A total of 8 rock and 90 soil samples were collected. All of the rock and soil samples were geochemically analyzed for gold by atomic absorption methods. Nineteen selected soil samples were tested for platinum, palladium and rhodium by fire assay preconcentration with an atomic absorption finish. Analytical results and techniques are appended.

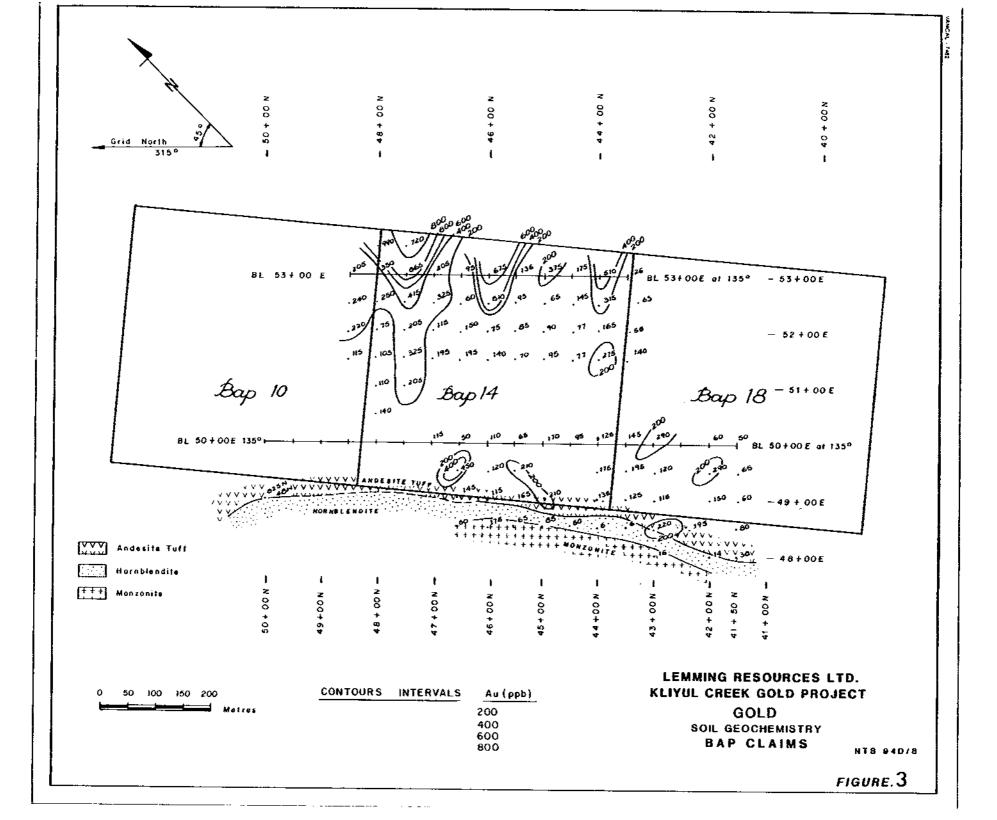
Because no soil profiles have developed over the rapidly eroding gossan, all soil samples comprised oxidized talus fines. Sampling depths averaged 10 cm but were progressively deeper as the size of the talus fragments increased.

Two picketed base lines were established for grid control. Samples were collected at 50 m intervals. Lines were not slope corrected.

DISCUSSION OF RESULTS

All soil samples derived from material originating from the hydrothermal alteration aureole are geochemically enhanced in gold. Values range from 50 to 990 ppb. Only the few samples of material derived from the hornblendite returned background concentrations in the 5 to 16 ppb range.

The contoured data displays dispersion patterns consistent with that of downhill migration from a northwesterly trending source located immediately upslope from and parallel to the 53+00E baseline (Figure 3).



RECOMMENDATIONS

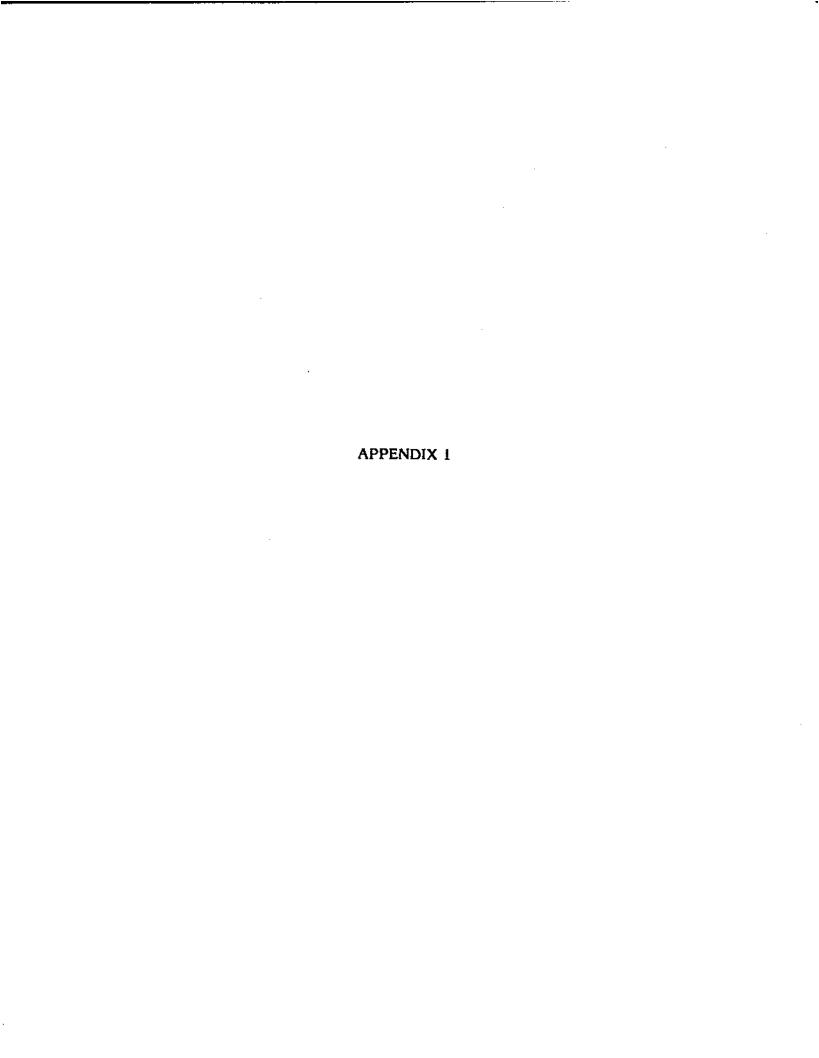
Extend the soil grid to the northwest and systematically prospect the potential source area upslope from the 53+00E baseline. Quartz veins and all sulphide impregnated outcrops above the baseline require thorough sampling. Altered and mineralized talus blocks also require sampling to identify the source of the gold enhancement.

STATEMENT OF EXPENDITURES

C.M. Rebagliati	July 16, 17, 18, 1986	3 days @ \$400	\$ 1,200.00
L. Lindinger	July 16, 17, 18, 1986	3 days @ \$200	600.00
Analyses	Soil 90 @ \$ 4.75	\$427.50	
	Soil 19@\$ 9.97	\$189.52	
	Rock 8@\$ 7.00	\$ 56.00	
	Freight	\$ 64.70	
			737.72
Camp rental I we	ek @ \$281.61		281.61
Truck rental 1 we	350.00		
Truck operating of	osts, mileage, insuranc	e	107.00
Helicopter 1.3 hr	s. @ \$581.85/hr. includ	ling fuel	756.40
Food, camp suppli	159.50		
	on and drafting July 30		
C.M. Reba	gliati 2 days @ \$400.0	00	800.00
Reproductions			46.00
			\$ 5,038.23

CERTIFICATE OF QUALIFICATIONS

- I, Clarence Mark Rebagliati, of 3536 West 15th Avenue, Vancouver, B.C., hereby certify that:
- I am a consulting geological engineer with offices at 3536 West 15th Avenue, Vancouver, B.C.
- 2. I am a graduate of the Provincial Institute of Mining, Haileybury, Ontario (Mining Technology, 1966).
- 3. I am a graduate of the Michigan Technological University, Houghton, Michigan U.S.A. (B.Sc., Geological Engineering, 1969).
- 4. I have practiced my profession continuously since graduation.
- 5. I am a member in good standing of the Association of Professional Engineers of British Columbia.



ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS. VANCOUVER B.C. PH: (604) 253-3158 COMPUTER LINE: 251-1011 DATE REPORTS MAILED /42

DATE RECEIVED JULY 29 1986

1

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : P1-3 SOILS -80 MESH P4-ROCKS

AUX - 10 6M. IENITED. HOT ADUA REGIA LEACHED. MIBK EXTRACTION. AA ANALYSIS.

bye DEAN TOYE . CERTIFIED B.C. ASSAYER

•					
REBAGLIATI	GEOLOGICAL	PROJECT	BAF	FILE# 86-1730	PAGE#
	SAMPLE			Au*	
				ррЬ	
				rr-	
	48+50N	51+50E		1115	
	48+50N	52+00E		220	
	48+50N	52+50E		240	
	48+50N	53+00E		205	
	48+00N	50+50E		140	
	48+0QN	51+00E		110	
	48+00N	51+50E		105	
	48+00N	52+00E		75	
	48+00N	52+50E		250	
	48+00N	53+00E		350	
	48+00N	53+50E		990	
	47+50N	51+00E		205	
	47+50N	51+50E		325	
		52+00E		205	
		52+50E		415	
				. • -	
	47+50N	53+00E		865	
	47+50N	53+50E		720	
	47+00N	50+00E		115	
	47+00N	51+50E		195	
	47+00N	52+00E		115	
	47+00N			325	
	47+00N	53+00E		205	
		48+50E		50	
	46+50N	49+00E		145	
	46+50N	49+50E		450	
	A / . E /\N	EALASE.		E 0	
	46+50N			50	
	46+50N			195	
	46+50N			150	
	46+50N			60 -	
	46+50N	53+00E		75	
	46+00N	48+50F		175	
	46+00N			115	
	46+00N			120	
	46+00N			110	
	46+00N			140	
	e rear in land of the			• • •	
	46+00N	52+00E		75	

46+00N 52+50E	
46+00N 53+00E 6 45+50N 48+50E 1 45+50N 49+00E 1 45+50N 49+50E 2 45+50N 50+00E 45+50N 52+00E 45+50N 52+50E 45+50N 53+00E 1 45+00N 48+50E 45+00N 50+00E 1 45+00N 51+50E 45+00N 52+50E 45+00N 52+50E 45+00N 52+50E 45+00N 53+00E 1 45+00N 51+50E 44+50N 50+00E 1 45+00N 51+50E 1 45+00N 51+50E 1 45+00N 51+50E 1 45+00N 52+00E 1 45+00N 53+00E 1	pb pb
45+50N 48+50E 45+50N 49+00E 145+50N 49+50E 245+50N 50+00E 45+50N 51+50E 45+50N 52+00E 45+50N 52+50E 45+50N 53+00E 1 45+00N 48+50E 45+00N 49+00E 45+00N 51+50E 45+00N 52+50E 45+00N 52+50E 45+00N 52+50E 45+00N 52+50E 44+50N 52+50E 44+50N 52+60E 44+50N 52+60E 44+50N 52+60E 44+50N 52+60E 44+50N 52+60E 44+00N 51+50E 44+00N 51+50E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 52+00E	10
45+50N 49+00E 1 45+50N 49+50E 2 45+50N 50+00E 45+50N 51+50E 45+50N 52+50E 45+50N 53+00E 1 45+00N 48+50E 45+00N 50+00E 1 45+00N 50+00E 1 45+00N 52+50E 45+00N 52+50E 45+00N 53+00E 44+50N 50+00E 44+50N 50+00E 1 44+50N 52+50E 150E 44+50N 52+50E 150E 44+50N 52+50E 150E 44+50N 52+50E 150E 44+00N 50+00E 150E 44+00N 50+00E 150E 44+00N 50+00E 150E 44+00N 50+00E 150E 44+00N 52+50E	75
45+50N 49+50E 2 45+50N 50+00E 45+50N 51+50E 45+50N 52+00E 45+50N 52+50E 45+50N 53+00E 1 45+00N 48+50E 45+00N 49+00E 2 45+00N 50+00E 1 45+00N 52+50E 45+00N 52+50E 45+00N 53+00E 3 44+50N 53+00E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 1 44+50N 52+00E 1 44+00N 53+00E 1 44+00N 52+50E 1 44+00N 52+50E 1 44+00N 52+50E 1 44+00N 52+00E 1 44+00N 53+00E 1	65
45+50N 50+00E 45+50N 52+00E 45+50N 52+50E 45+50N 53+00E 45+50N 53+00E 45+00N 49+00E 45+00N 49+00E 45+00N 51+50E 45+00N 52+00E 45+00N 52+00E 45+00N 53+00E 45+00N 53+00E 45+50N 53+00E 44+50N 53+00E 44+50N 52+50E 44+50N 52+50E 44+50N 53+00E 44+50N 53+00E 44+00N 53+00E	65
45+50N 51+50E 45+50N 52+00E 45+50N 53+00E 45+00N 48+50E 45+00N 49+00E 45+00N 50+00E 45+00N 51+50E 45+00N 52+00E 45+00N 52+50E 45+00N 53+00E 45+00N 53+00E 44+50N 50+00E 44+50N 51+50E 44+50N 52+50E 44+50N 52+50E 44+50N 53+00E 44+00N 53+00E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 33+90N 49+00E 43+90N 49+00E	10
45+50N 52+00E 45+50N 52+50E 45+50N 53+00E 1 45+00N 48+50E 45+00N 49+00E 45+00N 50+00E 45+00N 51+50E 45+00N 52+50E 45+00N 53+00E 45+00N 53+00E 44+50N 50+00E 44+50N 50+00E 44+50N 52+50E 44+50N 52+50E 44+50N 52+00E 44+00N 53+00E 11 44+00N 53+00E 44+00N 53+00E 44+00N 50+00E 11 44+00N 51+50E 21 44+00N 51+50E 31 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E	65
45+50N 52+50E 45+50N 53+00E 45+00N 48+50E 45+00N 50+00E 45+00N 51+50E 45+00N 52+50E 45+00N 52+50E 45+00N 53+00E 45+00N 53+00E 44+50N 50+00E 44+50N 51+50E 44+50N 52+50E 44+50N 52+00E 44+50N 52+00E 44+00N 53+00E 44+00N 53+00E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 33+400N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E	70
45+50N 53+00E 1 45+00N 48+50E 45+00N 49+00E 2 45+00N 50+00E 1 45+00N 51+50E 45+00N 52+50E 45+00N 53+00E 3 44+50N 48+50E 44+50N 50+00E 1 44+50N 51+50E 1 44+50N 52+00E 1 44+50N 52+00E 1 44+00N 53+00E 1 44+00N 50+00E 1 44+00N 51+50E 2 44+00N 51+50E 3 44+00N 52+00E 13 44+00N 52+00E 3 44+00N 53+00E 3 43+90N 49+50E 13	85
45+00N 48+50E 45+00N 49+00E 45+00N 50+00E 45+00N 51+50E 45+00N 52+50E 45+00N 53+00E 45+00N 53+00E 44+50N 48+50E 44+50N 50+00E 44+50N 51+50E 44+50N 52+50E 44+50N 53+00E 44+00N 53+00E 44+00N 50+00E 11 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E	95
45+00N 49+00E 2 45+00N 50+00E 1 45+00N 51+50E 45+00N 52+00E 3 45+00N 53+00E 3 45+00N 53+00E 3 44+50N 50+00E 44+50N 50+00E 44+50N 51+50E 16 44+50N 52+50E 16 44+50N 53+00E 16 44+00N 48+50E 16 44+00N 50+00E 16 44+00N 51+50E 26 44+00N 52+00E 16 44+00N 52+00E 16 44+00N 52+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 49+00E 16 43+90N 49+50E 16 43+90N 49+50E 16	35
45+00N 49+00E 2 45+00N 50+00E 1 45+00N 51+50E 45+00N 52+00E 3 45+00N 53+00E 3 45+00N 53+00E 3 44+50N 50+00E 44+50N 50+00E 44+50N 51+50E 16 44+50N 52+50E 16 44+50N 53+00E 16 44+00N 48+50E 16 44+00N 50+00E 16 44+00N 51+50E 26 44+00N 52+00E 16 44+00N 52+00E 16 44+00N 52+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 53+00E 16 44+00N 49+00E 16 43+90N 49+50E 16 43+90N 49+50E 16	85
45+00N 50+00E 1 45+00N 51+50E 45+00N 52+50E 45+00N 53+00E 45+00N 53+00E 44+50N 50+00E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 53+00E 44+00N 53+00E 44+00N 50+00E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+50E	10
45+00N 51+50E 45+00N 52+00E 45+00N 52+50E 45+00N 53+00E 44+50N 48+50E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 52+00E 44+50N 53+00E 44+00N 48+50E 44+00N 51+50E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+50E 43+90N 49+50E	70
45+00N 52+00E 45+00N 52+50E 45+00N 53+00E 44+50N 48+50E 44+50N 50+00E 44+50N 52+00E 44+50N 52+50E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 10 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+00E	6 5
45+00N 52+50E 45+00N 53+00E 44+50N 48+50E 44+50N 50+00E 44+50N 52+00E 44+50N 52+50E 44+50N 52+00E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+00E	70 90
45+00N 53+00E 3 44+50N 48+50E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 52+00E 1 44+50N 53+00E 1 44+00N 48+50E 1 44+00N 50+00E 1 44+00N 51+50E 2 44+00N 52+00E 1 44+00N 52+00E 3 44+00N 53+00E 5 44+00N 53+00E 5 43+90N 49+00E 1	7.\
44+50N 48+50E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 52+50E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 10 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+50E 43+90N 49+50E	65
44+50N 48+50E 44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 53+00E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 43+90N 49+00E 13 43+90N 49+50E 13 13+50N 48+50E	75
44+50N 50+00E 44+50N 51+50E 44+50N 52+00E 44+50N 52+50E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 44+00N 53+00E 44+00N 53+00E 43+90N 49+50E 43+90N 49+50E	50
44+50N 51+50E 44+50N 52+00E 44+50N 52+50E 44+50N 53+00E 44+00N 48+50E 44+00N 50+00E 10 44+00N 51+50E 44+00N 52+00E 44+00N 52+00E 34+00N 53+00E 43+90N 49+00E 13 43+90N 49+50E 13 43+50N 48+50E	95
44+50N 52+50E 1 44+50N 53+00E 1 44+00N 48+50E 1 44+00N 50+00E 1 44+00N 51+50E 2 44+00N 52+00E 1 44+00N 52+00E 3 44+00N 53+00E 5 44+00N 53+00E 5 43+90N 49+00E 1	77 77
44+50N 52+50E 1 44+50N 53+00E 1 44+00N 48+50E 1 44+00N 50+00E 1 44+00N 51+50E 2 44+00N 52+00E 1 44+00N 52+00E 3 44+00N 53+00E 5 44+00N 53+00E 5 43+90N 49+00E 1	
44+50N 53+00E 1 44+00N 48+50E 1 44+00N 50+00E 1 44+00N 51+50E 2 44+00N 52+00E 1 44+00N 52+00E 3 44+00N 53+00E 5 44+00N 53+00E 5 43+90N 49+50E 1 43+90N 49+50E 1	7.7
44+00N 48+50E 44+00N 50+00E 11 44+00N 51+50E 44+00N 52+00E 44+00N 52+50E 44+00N 53+00E 43+90N 49+00E 13 43+90N 49+50E 13 13+50N 48+50E	45
44+00N 50+00E 1 44+00N 51+50E 2 44+00N 52+00E 1 44+00N 52+50E 3 44+00N 53+00E 5 43+90N 49+00E 1 43+90N 49+50E 1	75
44+00N \$1+50E 21 44+00N \$2+00E 16 44+00N \$2+50E 3 44+00N \$3+00E 51 43+90N 49+00E 11 43+90N 49+50E 11 43+50N 48+50E	5
44+00N 52+00E 10 44+00N 52+50E 3 44+00N 53+00E 5 43+90N 49+00E 13 43+90N 49+50E 13 43+50N 48+50E	25
44+00N 52+50E 3 44+00N 53+00E 5 43+90N 49+00E 13 43+90N 49+50E 13 43+50N 48+50E	75
44+00N 53+00E 5: 43+90N 49+00E 1: 43+90N 49+50E 1: 43+50N 48+50E	55
43+90N 49+00E 13 43+90N 49+50E 13 43+50N 48+50E	15
43+90N 49+50E 11	10
43+50N 48+50E	35
43+50N 48+50E	75
	6
	25
	25 25
	,,, 15
and and the Te	† .i
13+50N 51+50E 14	10

REBAGLIATI	GEOLOGICAL	PROJECT	BAP	FILE# 86-1730	FAGE# 3
	SAMPLE			Асж	
	-			56p	
				ГГ -	
	43+50N	53+00E		226	
	, 43+40N	52+00E		55	
	43+35N	52+50E		చ్	
		49+50E		120	
	43+00N	48+00E		16	
		48+50E		220	
		49+00E		115	
		50+00E		290	
		48+50E		195	
	42+00N	48+00E		14	
		•			-
		49+00E		150	
		49+50E		290	
		50+00E		60	
		48+00E		38	
	41+50N	48+50E		80	
		49+00E		60	
		49+50E		65	
	41+50N	50+00E		55	

SAMPLE	···	Au*
		ppb
B-300	501008, 43+20N	60 Baquesta curbonato breccia stille 1900-400E
E301	48+65E; N3+50N	2 35 cm Quantz rest 100-750 E
B-302	49+002, 45+50N	1. quartz rubble
B303	52 185E) 45+80N	220 quarte rubble
B-304	49+00E ; 43+90 N	14 Ferrocret Bx
B-305	48+80E, 42+05N	a= anderst - 10% print
B-304	44,505 , 4750 N	societ schiet sheet tore 220 dip 90
	51+90 € , 46+00N	47 felsite dyla 10 % pyrit

CME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED AUG 14 1986

DATE REPORTS MAILED

Dug 18/86

PAGE# 1

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULF

PT## PD## & RH## - 106M FIRE ASSAY CONCENTRATION. HN03 LEACHED.

REBAGLIATI GEOLOGICAL PROJECT BAP FILE# 86-1730 R

AQUA REGIA DIGESTION. GRAPHITE FURNACE AA ANALYSIS.

ASSAYER No.

OUL__DEAN TOYE , CERTIFIED B.C. ASSAYER

	•				
SAMPLE		Pt** 000	**b9	Rh** ppb	
47+50N 5	53+00E	Ω	4	22	
47+50N 5	53+50E	2	4	2	
46+50N 4	48+50E	2	<u>'3</u>	<u></u>	
46+50N 4	19+50E	2	3	2	
46±00N 4		2	3	77	
46+00N 5	52+50E	2	3	2	
46+00N 5		2	:5	<u>~7</u>	
45+50N 4		3	8	2	
45+50N 4		2	6	2	
45+00N 4		6	8	2	
		_		_	
44+50N 4	48+50E	5	6	2	
44+00N 4		Ģ	4	2	
43+50N 4		8	5	2	
43+00N 4		$\frac{\overline{2}}{2}$	8	2	
43+00N /		2	6	2	
, =	. (1)	_	-	_	
42+05N 4	18+50E	2	5	2	
42+00N 4		4	7	2	
41+50N 4		2	6	2	
	48+50E	2	4	2	
	1 10" 10" 0 700	-	•		

4750 5250E NS





Assaying & Trace Analysis 852 E. Hastings St., Vancouver, B.C. V6A 1R6 Telephone: 253-3158

1986

Acme Analytical continues to update with mass spectrographic analysis which is now operational. In general, mass spec offers detection limits which are at least 100-fold lower than ICP or flame AA. These detection limits are comparable to graphite furnace AA, but the mass spec can analyze up to 60 elements simultaneously.

Acme has pioneered low cost multi-element ICP which has better detection and precision than AA. Mass spec will further expand the range of elements and isotopes available to mineral exploration programs.

SPACE

Total laboratory, sample preparation and sample storage has been expanded to 12,000 square feet.

EQUIPMENT

- Our ICP system has been expanded, and a fourth unit has been purchased which will allow us to determine up to 45 elements simultaneously.
- 2. AA spectrophotometers have been increased to 8.
- Sample preparation, weighing and dissolution facilities have been increased.
- A LECO Induction Furnace has been installed for determining Carbon and Suffur simultaneously in geological and metallurgical samples.
- An UA3 Laser Fluorometer from Scintrex is now used for determination of U in water to .01 ppb.
- Two ICP mass spectrographs.

TECHNOLOGY

- Fire Assay for Ag, Au, Pt, Pd, the precious metal bead can be analysed by gravimetric, AA, ICP or Hass spec.
- ICP multi element packages for water, geochem and assay programs have been developed.
- Lower detection limits for some elements have been achieved by graphIte furnace AA.

TECHNICAL ACHIEVEMENTS

- Background corrected Atomic Absorption analysis of Ag and Au since 1971.
- Best proven precision, accuracy and price for MoS2 assays in North America.
- Pioneered geochemical analysis by ICP at or to better detection limits than AA, including Ag, As, U, Th and W.
- First to offer Mass spectrographic scan analysis.

PROVEN PERFORMANCE

Our logistical and technical performance for our clients has been demonstrated on the Gambier, Capoose Lake, Trout take, Blackdome, Red Mountain, Carolin, Cirque, Minago River, Quesnel River, Terra Swede, Musto and other major projects.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hestings St., Vancouver, B C. VSA 1R8 Telephone: 253-2159

5. Guidelines for Data Interpretation

A. 30 Element ICP - typical value from ICP

Mo - normal soils	1-3 ppm	Th - normal solis	3 ppm
highly decomposed org-	anics 5 ppm	Sr - normal soils	40 ppm
shales	30 ppm	Cd - normal soils	1 ppm
€u - normai solls	20 ppm	Sb - normal solls	less than 2 ppm
high organics	100 ppm	81 - normal soils	less than 2 ppm
Pb - normal soils	5 ppm	Y - normal soils	40 ppm
Zn - normal soils	30 ppm	Ce - normal solis	0.5 %
high organics	200 ppm	P - normal solls	0.5 %
Ag - normal soils	0.2 ppm	ta - normal solls	10 ppm
high organics	0.6 ppm	Cr - normal soils	10 ppm
Mi - normal soils	20 ppm	Mg - normal soils	0.5 %
Co - normal soils	15 ppm	Ba - normal soils	29 ppm
Mn - normal soils	300 ppm	IL - normal soils	0.1 %
Fe - normal solls	2 \$	8 - normal solls	1 ppm
As - normal solls	5 ppm	Al - normal solls	2 1
U - normal soils	2 ppm	Wa - normal solls	0.05 %
Au - normal soils	NO TO	K - normal solls	0.1 \$
(ICP detection limit		# - normal soils	2 ppm

8. Geochemical Au

Normal soil

1-3 ppb

6. Geochemical ICP - Notes on Solubilities of Elements

Barites, Chromites .. Insoluble As soluble up to 20,000 ppm Magnetite partly soluble Pb soluble up to 10,000 ppm Al, Ca, P, Mg up to 25% soluble Sb, Bi .. soluble up to 1000 ppm Ma, K, Ii up to 10% soluble Ag, W ... soluble up to 100 ppm

7. Conversion Factors

1 Troy oz = 31.10 g

1 oz/ton = 34.3 ppm = 34.3 g/tonne = 34,300 ppb

1 1 10,000 ppm

8. Whole Rock Geochemical Analysis

The lithium metaborate fusion dissolves most types of rock except for very high chromite and very massive sulfides. Whole Rock data and Zr, Ba, Ce Y and Sr are also available from this fusion by ICP. Other elements are available by mass spectrographic analysis. The proposed 50 element package includes Ag. Al, As. Ba, Be, Bl, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Eu, Fe,Ga, Ge, Hg, I, in, K, La, Hg, Hn, Ho, Ha, Nb, Mi, P, Pb, Rb, Re, Ru, S, Sb, Se, Sn, Sr, Ta, Te, Ih, Ti, Ti, U, Y, W, Y, Zn, Zr.



Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

Suggestions for Effective use of Analytical Services

1. General Sampling

- A. Rocks In general % to 2 lb of sample are required. Large boulders should be broken down to chip size with a 20 lb sledge hammer. A representative sample is then taken from these chips. The lab will crush, split and pulverize.
- B. Cores Orill cores should be split into halves for assaying
- C. Soils The organic "A" horizon gives good base metal responses. Supply about one cup of material in a soil or paper envelope. The soil is treated in one of three methods after drying:-
 - 1) -80 mesh sleving (standard).
 - 2) -80 mesh sleving + pulverizing.
 3) pulverizing the whole sample.

Samplers must not wear any jewelry.

2. Shipping

- A. Local and Within Canada use Greyhound or Pacific Stage Lines.

 For large drill programs use a truck line.
- B. U.S. Customers for surface transport use UPS and address to :-

Acme Analytical taboratories Ltd., c/o Pac Ex Services, 140 - 14th St.,

Blaine, Wash, 98230

Air freight shipments are addressed to :-

Acme Analytical Laboratories Ltd.

c/o Cole McCubbin

Vancouver, B.C.

Shipments from the U.S. should be labelled "Geological Samples for Analysis - No Commercial Value".

3. Suggested Geochemical Analyses

- A. Rocks with No Visible Mineralization 30 element ICP + geochemical Au.
- B. Rocks with High Sulphides 16 element ICP Assay.
- C. Cores assays for elements of mineralization and possible 30 element ICP.
- D. Soils 30 element ICP + geochemical Au.

4. Samples with Possible Native Gold

For rocks and cores with nugget or native gold, request that the total sample be pulverized and sleved on a 100 mesh screen. Two fire assays are then required for each sample; one on the entire +100 mesh fraction for any possible native gold and one on the -100 mesh. (1 A.T.)

Pan or sivice concentrates are best treated by cyclone concentration and fire assay for total Au.



ACME ANALYTICAL LABORATORIES LTD. Assaying & Trace Analysis

852 E. Hastings St., Vencouver, B.C. V&A 1R8 Telephone: 253-3158

GEOCHEMICAL LABORATORY METHODOLOGY - 1986

Sample Preparation

- 1. Soil samples are dried at 60°C and sleved to -80 mesh.
- 2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis

0.5 gram samples are digested in hot dilute agua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metals are determined by :

A. Atomic Absorption (AA)

Age, Bi*, Cd*, Co, Cu, Fe, Ga, In, Mn, Mo, Mi, Pb, Sb*, Il, Y, Zn (* denotes with background correction.)

B. Inductively Coupled Argon Plasma (ICP)

Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Ma, NI, P, Pb, Sb, Sr, Th, Ti, U, Y, W, Zn.

C. Mass Spec (lower detect limits)

Same as above except delete As, and add Li, Ga, Ge, Rh, Pd. Pt. in. Te, Re, Os, ir, Hg, Tl.

Geochemical Analysis for Au*

10.0 gram samples that have been ignited 4 hours at 600° C are digested with 30 mls hot dilute aqua regia, and 75 mls of clear solution obtained is extracted with 5 mls Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit * + ppb).

Geochemical Analysis for Au**, Pd. Pt. Rh

10.9 - 30.0 gram samples are subjected to Fire Assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au. Pd. Pt. and Rh are determined in the solution by graphite furnace Atomic Absorption. Detections - Au=1 ppb; Pd. Pt. Rh=5 ppb

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regla and diluted to 10 ml. As is determined in the solution by Graphite Furnace Atomic Absorption (AA) or by inductively Coupled Argon Plasma (ICP).

Geochemical Analysis for Barium

0.10 gram samples are fused .6 gm LIBO $_2$ and dissolved in 50 ml 5% HMG $_3$ (Same as Whole Rock).

Ba is determined in the solution by ICP or M.S.

Geochemical Analysis for Tungsten

0.50 gram samples are fusion Ma_2O_2 and dissolved in 20 ml H_2O_2

W in the solution determined by ICP with a detection of 1 ppm.



Assaying & Trace Analysis 852 E. Hastings St., Vancouver, B.C. V6A 1R6 Telephone: 253-2158

Geochemical Analysis for Selenium

0.5 gram samples are digested with hot 3 ml of 50% $\rm HNO_3$ and diluted to 10 ml with $\rm H_2O_{\odot}$ Se is determined by M.S.

Precious Metal Mass Spec Analysis (41 elements listed above.)

 $5.0~{\rm gm}$ samples are digested with 30 ml aqua regia and diluted to 100 mls then analysed by M.S.

Geochemical Analysis for Fluorine

0.25 gram samples are fused with sodium hydroxide and leached with 10 ml water. The solution is neutralized, buffered, adjusted to pH 7.8 and diluted to 100 ml.

Fluorine is determined by Specific ion Electrode using an Orion Model 484 meter.

Geochemical Analysis for Tin

1.0 gram samples are fused with ammonium todide in a test tube. The sublimed todine is leached with 5 ml of dilute hydrochloric acid.

The solution is determined by Atomic Absorption.

Geochemical Analysis for Chromium

0.1 gram samples are fused with Na $_2$ 0 $_2$. The melt is leached with HCl and analysed by AA or ICP. Detection 1 ppm.

Geochemical Analysis for Hg

0.5 gram samples are digested with aqua regia and diluted with 20% HC1.

Hg in the solutions are determined by cold vapour AA using a F & J Scientific Hg assembly. The aliquots of the extract are added to a stannous chloride / hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

Geochemical Analysis for Ga & Ge

0.5 gram samples are digested with hot aqua regia with HF in pressure bombs.

 $\mbox{\rm Ga}$ and $\mbox{\rm Ge}$ in the solutions are determined by graphite furnace $\mbox{\rm A}$ or M.S. Detection 1 ppm.

Geochemical Analysis for Tl (Thailium)

0.5 gram samples are digested with 1:1 \mbox{HMO}_3 . If is determined by graphite AA or by M.S. Detection .1 ppm.

Geochemical Analysis for Te (Tellurium)

0.5 gram samples are digested with hot aqua regia. The Te extracted in MIBK is analysed by graphite furnace AA or analysed by M.S. Detection .1 ppm.

Geochemical Whole Rock

O.1 gram is fused with .6 gm tiBO₂ and dissolved in 50 mis 51 HKO₃.

Analysis by ICP gives excellent precision for major components. The M.S. can analyze for up to 50 elements with lower detection limit but lower precision.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6 Telephone: 253-3158

ROCKS AND SOLIS

Group 1 Digestion - 0.50 gm sample is digested by 3 mis Aqua Regia and diluted to 10 mls with $\rm H_2O$.

Group IA -	Analysis by Ato	mic Absorption	•		
Element	Detection	Element	Detection	<u>Element</u>	Detection
Antimony * Bismoth * Cadmium * Chromium Cobalt	2 ppm 2 ppm 0.1 ppm 1 ppm 1 ppm	Copper iron Lead Lithium Manganese	1 ppm 6.01% 2 ppm 2 ppm 5 ppm	Molybdenum Nickel Stiver Vanadtum Zinc	1 ppm 1 ppm 9.1 ppm 2 ppm 2 ppm
	First Element	\$2.00	Subsequent	Element \$.75	

<u>Sroup iB</u> - Same digestion; <u>hydride</u> generation of volatile elements and analysis by <u>ICP</u>.

Element	Detection	
Arsenic	0.1 ppm	
Ant Imeny	D. 1 DDM	First Element \$3.00 All Elements \$4.00
Bismuth	O. P ppm	(This technique is unsuitable for samples
Germanium	0.2 ppm	grading over 1% Cu or Ni and Is only partial
Selenium	0.2 ppm	for Ge.)
Tellurium	0.3 ppm	•

Group 1C - Same digestion.

Element	<u>Detection</u>	Method	<u>Price</u>
Мегсигу	5 բրե	Flameless AA	\$2.00

Group ID - Same digestion - 30 elements ICP.

1986

Element	<u>Detection</u>
Ag	0.1 ppm
Cď, Co, Cr, Cu, Ma, Mo, NI, Sr, Zn	1 ppm
As, Au, B. Ba. Bl. La, Pb. Sb. Th. V. W	2 ppm
V	S ppm
Al, Ca, Fe, K, Mg, Na, P, Ti	0.01%

Any 2 elements \$ 3.00 5 elements \$ 4.00 10 elements \$ 5.00

All 30 elements \$ 6.00

Group IE - Same digestion as above analysis by ICP MS.

Element		Detection
Li, Be, Ga, Ge Rh, Pd, Ag, Cd, In, Sn, Sb,	Te, i, ir, Pt, Au, Hg, Ti, Th, U	1 ppm I 0.1 ppm
First Element \$5.00	Additional Element \$1.00	All Elements \$15.00

• Minimum 20 samples or \$5.00 surcharge.



Assaying & Trece Analysis

852 E. Hastings St., Vancouver, & C. V6A 186 Telephone: 253-3158

Group 2 -	Base Heta	<u>ls</u> by	Specific	Extraction	and	Instrumental	Techniques.
-----------	-----------	--------------	----------	------------	-----	--------------	-------------

Element	Method	Detection	Price
Barium	LIBO2 fusion, ICP analysis	10 ppm	13.50
Carbon	LECO (lotal as C or CO2)	0.01%	5.00
Carbon & Sulfur	LECO	0.01%	6.00
Carbon (graphite)	LECO	0.01%	7.00
Chromium	LiBO ₂ fusion, ICP analysis	5 DDm	3.50
Fluorine	NaOH fusion, Specific ion Electrode	10 ppm	4.00
Gallium	HF, Aqua Regia, AA determination	t pom	4.00
Germantum	HF, Aqua Regla, AA determination	1 ppm	4.00
Sulphur	LECO (lotal as S)	0.01%	5.00
Sulphur	LECO (insoluble SO ₄)	0.01%	7.00
Tto	NH ₄ I fusion. AA determination	1 ppm	3.00
fungsten	WayOy fusion, ICP determination	2 ppm	3.00
Urantum	Aqua Regia digestion, Fluorometric	0.1 ppm	4.00
Thallium	Hitric acid - AA	8.1 ppm	3.00

Group 3 - Noble Hetals.

5.00p 5	TOTAL TROUBLE.		
Element	Method	Detection	Price
Au	AA (10 gm, ignited at 600°C, Aqua Regia digestion, MiBK extraction, graphite furnace AA determination.)	1 ррв	\$4.00
Āυ	FA+AA (10 gm, Fire Assay Conc. to Ag bead. Aqua Regia digestion of bead, graphite furnace AA determination.)	1 ppb	\$5.50 for first element
Palladium Platinum Rhodium	Same Same Same	2 ppb 2 ppb 2 ppb	\$2.50 for each additional element

Group 4A - Geochem Whole Rock Assay.

0.1 gram is fused with .6 gm £1802 and is dissolved in 50 mis 5% HHO2.

\$102, Alg03, Feg03, CaO, MgO, MagO, KgO, MnO, T102, Pg05, Crg03, LOI + Ba by 1CP

Price: \$3.50 first metal \$1.00 each additional \$9.00 for all 13 metals

Group 4B - Same fusion + ICP optical analysis

Element	Detection	\$3.50 first element or
Ba. Co. Cu, NI, Sr. Zn	10 ppm	\$1.00 each additional to
Rb. Ce	20 ppm	Whole Rock analysis
Nb. Ta, Y, Zr	30 ppm	\$5.00 for all 12
Cs	10 ppm by AA	\$2.00

Group 4C - Same fusion, analysis by Mass Spec. (MS)

Be, Cu, Rb, Y. Zr, Nb, Sn, Cs, La, HF, Ta, W, Ce, Pr. Nd, Sm, Eu, Gd, Tb, Dy,

Ho, Er, Tm, Yb, Lu, Th, U

Detection: 1 to 5 ppm Price: \$7.00 for first element

\$20.00 for all 27 elements

◆ Minimum 20 samples or \$5.00 surcharge.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis 852 E. Hastings St., Vancouver, B.C. V6A 1R6 Telephone: 253-3158

Regular Assay

Aleminum	(A1)	\$7.50	Hoisture	(H ₂ O)	\$5.00
Antimony	(Sb)	7.50	Molybdenum	(ŏt)	6.75
Arsenic	(As)	7.50	Molybdenum Sulfide	(Mo\$ ₇)	7.50
Bartum	(8a)	7.50	Niobium	(Hb)	10.00
Bismuth	(BI)	7.50	Nickel	(N)	6.75
Boron	(8)	7.50	Nickel (Non-sulfide	•)	7.50
Cadmium	(cd)	6.75	Palladium	(10)	12.59
Calcium	(Ca)	7.50	Phosphorus Phosphorus	(P)	7.50
Carbon (Total)	(c)	7.50	Platinum	(Pt)	12.50
Carbon (Graphitic)	• .	9.50	Potassium	(K)	7.50
Carbon plus Sulfur	(Total)	11.60	Rhodium	(Rh)	12.50
Cerlum	(Ce)	10.60	Rubidium	(Rb)	7.50
Chronium	(Cr)	7.50	Selenium	(Se)	10.90
Cestum	(Cs)	10.00	Silica	(5102)	7.59
Cobalt	(Co)	6.75	511ver	(Ag)	6.75
Copper	(Cu)	6.75	Silver (Fire Assay)		9.00
Copper (non-sulfid	e}*	8.00	Sod i um	(Ha)	7.50
Europium	(Eu)	10.00	Specific Gravity*	(SG)	6.00
Fluorine	(F)	7.50	Strontium	(Sr)	7.50
Gallium	(Ga)	7.50	Sulfur (Total)*	(5)	7.50
Germanium	(Ge)	7.50	Sulfor (Sulfate)	(S)	8.50
Gold	(Au)	6.75	Tantalum	(Ta)	1.50
Gold (Fire Assay)		6.25	Tellurium	(le)	10.00
Gold plus Silver(F	ire Assi	ey)11.25	Tha!!!um	(11)	10.00
Indian	(n1)	8.50	Thorium*	(ih)	7.50
iron (iotal)	(Fe)	7.50	Ito	(Sn)	8.00
Iron (Ferrous)*		9.00	Titanium	(11)	7.50
Lanthanum	(La)	7.50	Tungsten	(X)	7.50
Lithium	(LI)	7.50	Urantum	(U)	7.59
Lead	(Pb)	6.75	Yanadium	(v)	7.59
Lass on Ignition	(LOI)	2.00	Yttrium	(Y)	10.00
Magnesium	(Mg)	7.50	Zinc	(Zn)	6.75
Hangariese	(Mo)	7.50	Zircanium*	(Zr)	10.00
Mercury*	(Hg)	7.50	Pb Istope Ratio	/	20.00

* Minimum 5 samples per batch

Other elements by Mass Spec. on request.

Multi-Element Assay Price

Arsenic, Antimony, Bismuth, Cadmium, Cobalt, Copper, Gold, Iron, Lead, Manganese, Holybdenum, Hickel, Silver, Thortum, Branium, Zinc.

Price : First element \$6.75 Each Additional \$3.00 All 16 elements \$20.00

Whole Rock Assay Prices

\$10₂, Al₂0₃, Fe₂0₃, CaO, MgO, Na₂O, K₂O, MnO, 110₂, P₂O₅, Cr₂O₃, LOI.

Price: First oxide \$7.50 Each Additional \$3.50 All 12 \$20.00

Volume Discounts Available.



Assaying & Trace Analysis 852 E. Hastings St., Vancouver, B.C. V6A 1R6 Telephone: 253-3158

Supplies

Soll Enevlopes	4" x 6"	\$100.00/thousand
Solf Enevlopes	4" x 6" with gusset	\$120.00/thousand
Plastic Bags	7" x 13" 6 mi	\$ 10.00/hundred
Plastic Bags	12" x 20" 6 m]	\$ 20.00/hundred
Ties		\$ 4.00/hundred
Assay Tags		W/C
10% HC1		\$ 5.00/liter
Dropping bottles		\$ 1.00/each
Zn Test	A & Ø	\$ 10.00/each liter

Hydrogeochemical analysis Matural water for mineral exploration.

Zo eleme	ints ith			\$6.00	
50 eleme	ents MS				first element additional element all
Au F U	detection detection detection	.001 ppb 20 ppb .01 ppb	UA3	\$6.00 \$3.00 \$4.00	

Special Geochemical Packages

Exp t	38 elements ICP + Au by AA	\$10.00
Exp 2		*
	30 elements ICP + Au + Hg	\$12,00
Exp 3	Ag, As, Se, Te, Bl, Sb+Au + Hg	\$11.00
Exp 4	30 elements + Se. Te. + Au + Hg	\$14.00
Exp 5	Same as Exp 4 + Geochem Whole Rock	\$20.00
Exp 6	Geochem Group 1 (ICP + MS) Whole Rock	\$60.00
	+ Fire Assay Geochem Au. Pt. Pd. Rh	*
	+ Total C & S + F	

Regular Fire Assay for Noble Metals.

Gold & Sliver	\$ 11.00
Cold, Sliver, Palladium, Platinium, Rhodium	\$ 25.00
Placer Concentrate for total Gold - up to 1/2 lbs	\$ 11.75
- up to 5 lbs.	\$ 13. 25



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V&A 1R6 Telephone: 253-3158

Sample Preparation

51	Soils and silts - drying at 60°C and sleve to -60 mesh		\$.75
S2	Same as above include saving part of reject		\$1.00
53	Soils and silts drying at 60°C and pulverize up to 100 gms to -100 mesh	•	\$1.50
S4	Soils and stits sieve to -20 mesh first, pulverize to -100 mesh		\$1.75
R1	Rock or core - crush to -3/16" approx., split off 200 gms, pulverize to 98% -100 mesh	•	\$3.00
R2	Same as Ri but sieve to -100 mesh and save +100 mesh for possible mative Au		\$3.50
R3	Same as R1 but sieve to ~140 mesh and save +140 mesh for possible native Au		\$4.00
R4	Same as R2 except pulverize half of total reject	additional pulverizing	\$1.50/16
R5	Same as R2 except pulverize whole sample	additional pulverizing	\$2,00/15
	Composites - each sample added, then mixed		\$1.00
	Crushing surcharge for samples over 10 lbs.		\$.25/1b
	Orying extra wet rock samples		\$1.50
¥1	Drying vegetation plants or leaves and pulverize 50 gms to -80 mesh		\$3.00
٤٦	Eyclone (water) of -30 mesh for native Au		\$3.50/Ib
€2			\$5.00/5 lbs.
D1	Core splitting and sampling		\$.75/ft
HI	Special Handling		\$16.00/hour

Sample Storage

Crushed rocks or rejects are retained for 3 months and discarded unless. ciaimed.

Pulps are retained for one year and discarded unless claimed.

^{*} Minimum 20 samples or \$5.00 surcharge.