

LOG NO: <i>March 22/91</i> RD.
ACTION:
FILE NO:

GEOLOGICAL REPORT

on the

BASIN CLAIM GROUP
THE BASIN, BASIN NO.1, BASIN NO.2, BASIN NO.3 CLAIMS
 4 claims, 4 units

Skeena Mining Division

55° 40'N 129° ²⁷69'W

NTS 103 P/11

for

CORONA CORPORATION
 1440 - 800 West Pender Street
 Vancouver, B.C.
 V6C 2V6

SUB-RECORDER RECEIVED
 MAR 18 1991
 M.R. # _____ \$ _____
 VANCOUVER, B.C.

Property Owner: **CORONA CORPORATION**

Operator: **CORONA CORPORATION**

Report Authors: **David Gaunt, B.Sc.**
 Project Geologist, Corona Corporation

Paul W. Jones
 Prospector, Corona Corporation

SUB-RECORDER RECEIVED
 MAR 18 1991
 M.R. # _____ \$ _____
 VANCOUVER, B.C.

MARCH, 1991

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

21,134

SUMMARY

The four Crown Granted two post Basin claims were acquired in the BC Revested Crown Grant Auction in March 1990 by Corona Corporation. The claims are located 4 kilometres southeast of the Dolly Varden mine and east of the Kitsault River. The purpose of the exploration program was to reassess regional faults structures that had been trenched and drifted on in the 1920's. A second objective was to determine whether the stratigraphy had the potential to host a volcanogenic massive sulphide(VMS) deposit similar to previously worked mines in the area. Geologic mapping and sampling reconfirmed the existence of high grade but inconsistent Cu/Ag quartz zones previously worked on but eliminated the possibility of a VMS environment.

The regional geology, as mapped by Alldrick and Dawson, places the claims within the Lower to Middle Jurassic Hazelton Group. On the Basin claims, the Hazelton Group is composed of coarse volcanic derived conglomerates overlain by turbidic sandstones and siltstones with occasional thin (5 cm) andesitic tuff horizons. The property is cut by two regional fault structures which host quartz veins. The north-northeast trending fault contains pods of high grade silver/copper mineralization whereas the north-northwest fault lineament has associated pyritic zones and parallel quartz veins which are anomalous in gold.

In the period September 24-28, 1990, Dave Gaunt and Paul Jones geologically assessed the mineral potential of the claims by conducting a program of detailed rock sampling (38 rock samples) of existing showings. A single line soil survey, totalling 14 soil samples, was also completed.

Based on the property evaluation, no further work is recommended at this time.

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6	Detailed Geology and Sample Map	After page 5

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1.0 INTRODUCTION

1.1 Location and Access

The Basin claim group is located at the head of East Creek which branches to the east off of the Kitsault River about 17 kilometers north of Alice Arm. The property is in the Skeena Mining Division and is centered at 55° 40'N latitude and 129° 27'W longitude (NTS 103P/11). Access onto the claim group is limited to helicopter from Stewart or Mezziadin (Figure 2).

The property is located within the Boundary Ranges of the Coast Mountains. The claims occupy a small cirque and are centered on a tarn named Basin Lake. The base elevation is 2700' and the highest point is at 4000'(Figure 1). Outcrop exposure is 100% at the cirque rim, diminishing to 10% under talus and glacial debris around the tarn. Vegetation is thick and confined to the western portion of the claims. Species noted are pine and black spruce.

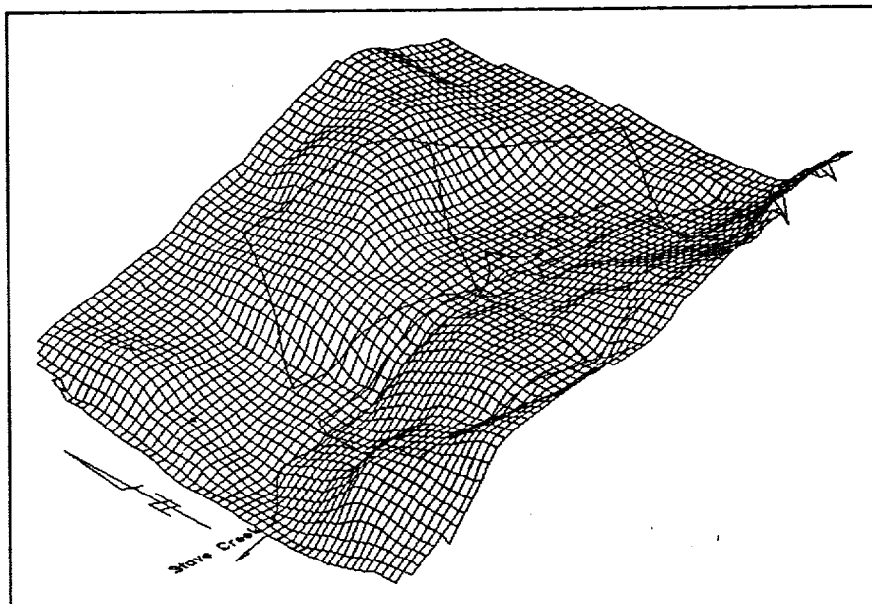


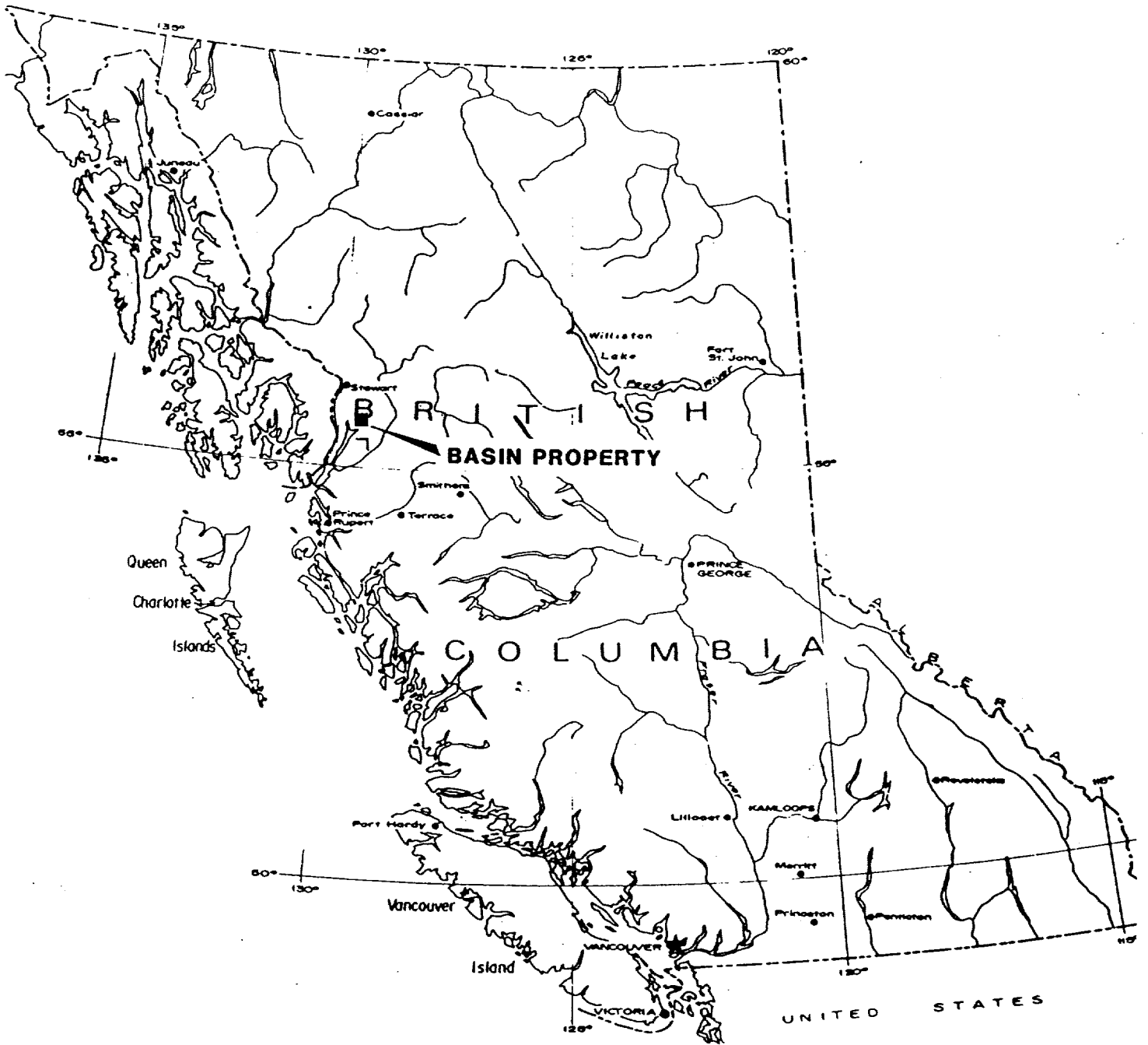
Figure 1: A topographic profile of the claim group.

1.2 Land Status

The Basin and Basin No.1 to 3 total 4 units and were grouped to form the Basin group in December 19, 1990 and are owned by Corona Corporation. Claim data are listed below:

CLAIM NAME	LOT #	RECORD #	UNITS	EXPIRY DATE
BASIN	1096	8603	1	22/03/94
BASIN NO. 1	1097	8602	1	22/03/94
BASIN NO. 2	1098	8601	1	22/03/94
BASIN NO. 3	1099	8600	1	22/03/94

* expiry dates indicated are valid after application of work described in this report.



CORONA CORPORATION

**BASIN PROPERTY
LOCATION MAP**

DATE: DEC.1990

SCALE:

DRAWING No. FIG.2

1.3 Previous Work

The Basin property was staked by Angus MacLeod of Alice Arm in 1922. The adit and the pits on the property were excavated during the late 1920's.

In 1963, the Basin Group and five adjoining claims were leased by J.P. McVittie who donated it to Sirmac Mines in 1964. In the fall of 1965, a vertical loop electromagnetic survey was conducted on the property along with some prospecting. No follow up work was done by Sirmac and the claims were allowed to lapse in 1967.

In 1982, Nor-Con Exploration acquired the 4 reverted Crown Grants and carried out a prospecting program in the summer of 1983. Two additional claims surrounding the Crown Grants were staked by Nor-Con at that time.

The 4 reverted Crown Grants of the Basin property were purchased by Corona Corporation on March 22, 1990.

The claims have been dormant since 1983.

2.0 REGIONAL GEOLOGY

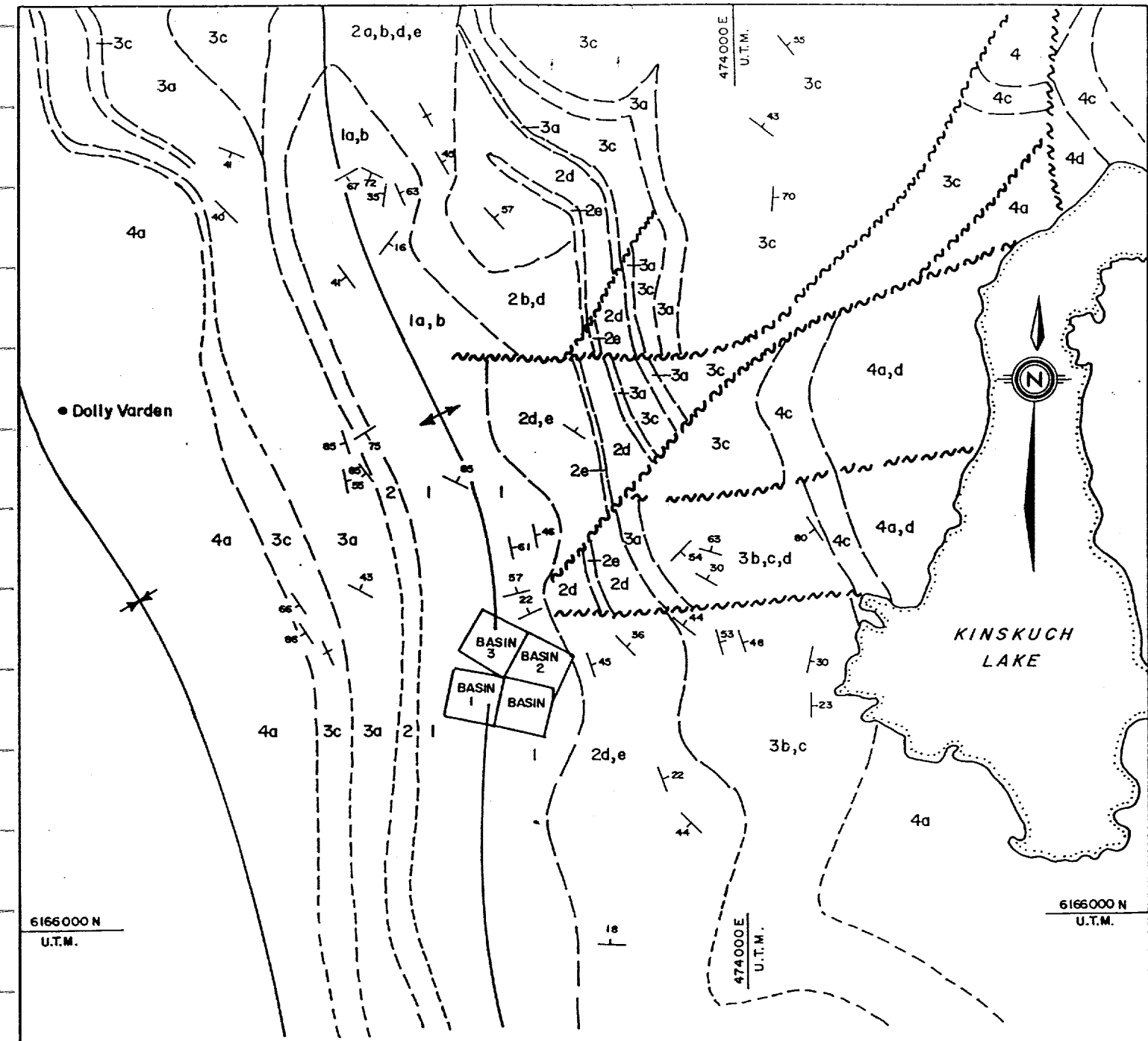
2.1 Geology

The Kitsault Valley lies at the western edge of the Intermontane Belt and is underlain by a sequence of volcanic and sedimentary rocks which correlate with the Lower to Middle Jurassic Hazelton Group (Black, 1951). A sedimentary sequence of probable Middle Jurassic age overlies the volcanic-sedimentary assemblage (Figure 3). The complete package is subdivided into 6 units (Dawson and Alldrick, 1986)

- Unit 1 **Lower sedimentary unit** - consists of interbedded fine clastics including siltstone, argillite and minor wacke; rare sills or flows of augite basalt and hornblende andesite. Unit estimated to be 1200 meters thick

- Unit 2 **Mafic volcanic unit** - consists of a mixed sequence of porphyritic basalt flows and basaltic tuff and breccia; olive green to grey cobble conglomerates are uppermost in the unit. The unit is 150 to 700 meters thick.

- Unit 3 **Middle sedimentary unit** - consists of finely laminated siltstone with lesser fine sandstone and wacke and rare conglomerate; overlying the siltstones are mottled, grey and maroon massive volcanic breccias intercalated with finely laminated siltstone, sandstone and limestone; the top of the unit is comprised of grey to black interbedded finely laminated siltstones and sandstones as well as a distinctive polymictic conglomerate. The unit is 400 to 2000 meters thick



LEGEND

LOWER TO MIDDLE JURASSIC

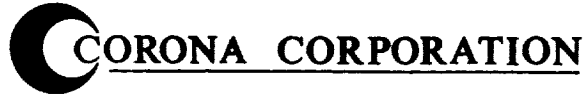
- 4** INTERMEDIATE VOLCANIC UNIT
 - (a) andesite, pyroclastic rocks
 - (b) feldspar + hornblende andesite porphyry
 - (c) black siltstone
 - (d) siltstone, sandstone, & conglomerate

- 3** MIDDLE SEDIMENTARY UNIT
 - (a) limestone & fossiliferous limestone
 - (c) volcanic breccia with minor siltstone, sandstone, & conglomerate

- 2** MAFIC VOLCANIC UNIT
 - (b) augite porphyry basalt flows & pillowed flows
 - (d) basaltic conglomerate
 - (e) siltstone, sandstone, wacke, & limestone

- 1** LOWER SEDIMENTARY UNIT
 - (a) black siltstone, argillite, shale
 - (b) black wacke, sandstone, limestone

- ~ FAULT
- CONTACT
- ⤴ ANTICLINE
- ⤵ SYNCLINE
- ⤴ BEDDING



BASIN PROPERTY
Regional Geology & Claims

DATE: DEC.1990 SCALE: 1:5000 DRAWING No. FIG.3

Unit 4 **Intermediate volcanic unit** - consists dominantly of andesitic pyroclastics, with lesser andesitic flows or sills; thin beds and lenses of argillite, limestone, chert and barite are randomly distributed and comprise 10 to 15 per cent of the unit. The unit is 500 to 2000 meters thick

Unit 5 **Epiclastic and felsic volcanic unit** - consists of green and maroon volcanic breccias and conglomerates derived from unit 4 andesites, overlain by lesser dacitic flows and pyroclastics. The unit is a maximum of 1500 meters thick.

Unit 6 **Upper sedimentary unit** - consists of black siltstone, shale, and wacke with lesser amounts of sandstone, limestone and intraformational conglomerate

Ajax Quartz Monzonite - consists of 4 small quartz monzonite stocks covering an area of 0.58 km² on the east slope of Mount McGuire; K/Ar analyses date these rocks at 55.1 ± 3 Ma;

Coast Range Batholith - these rocks are monzonite to granodiorite in composition and extend as far east as La Rose Creek; K/Ar dates range from 43 to 51 Ma

Dykes - these are the youngest rocks in the area and are up to 3 meters thick, they are dioritic to lamprophyric in composition

2.2 **Structure**

The most prominent structural features of the area are 3 parallel northwest trending regional scale folds. They are:

- the Varden Glacier anticline, a doubly plunging anticline whose axial trace lies 5 kilometers west of the Kitsault River

- the Kitsault River syncline, a doubly plunging syncline whose axial trace lies along and just east of the Kitsault River

- the Mount McGuire anticline, a doubly plunging anticline, whose axial trace lies 5 kilometers east of the Kitsault River

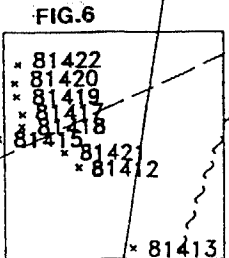
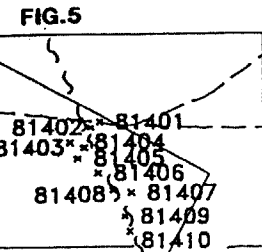
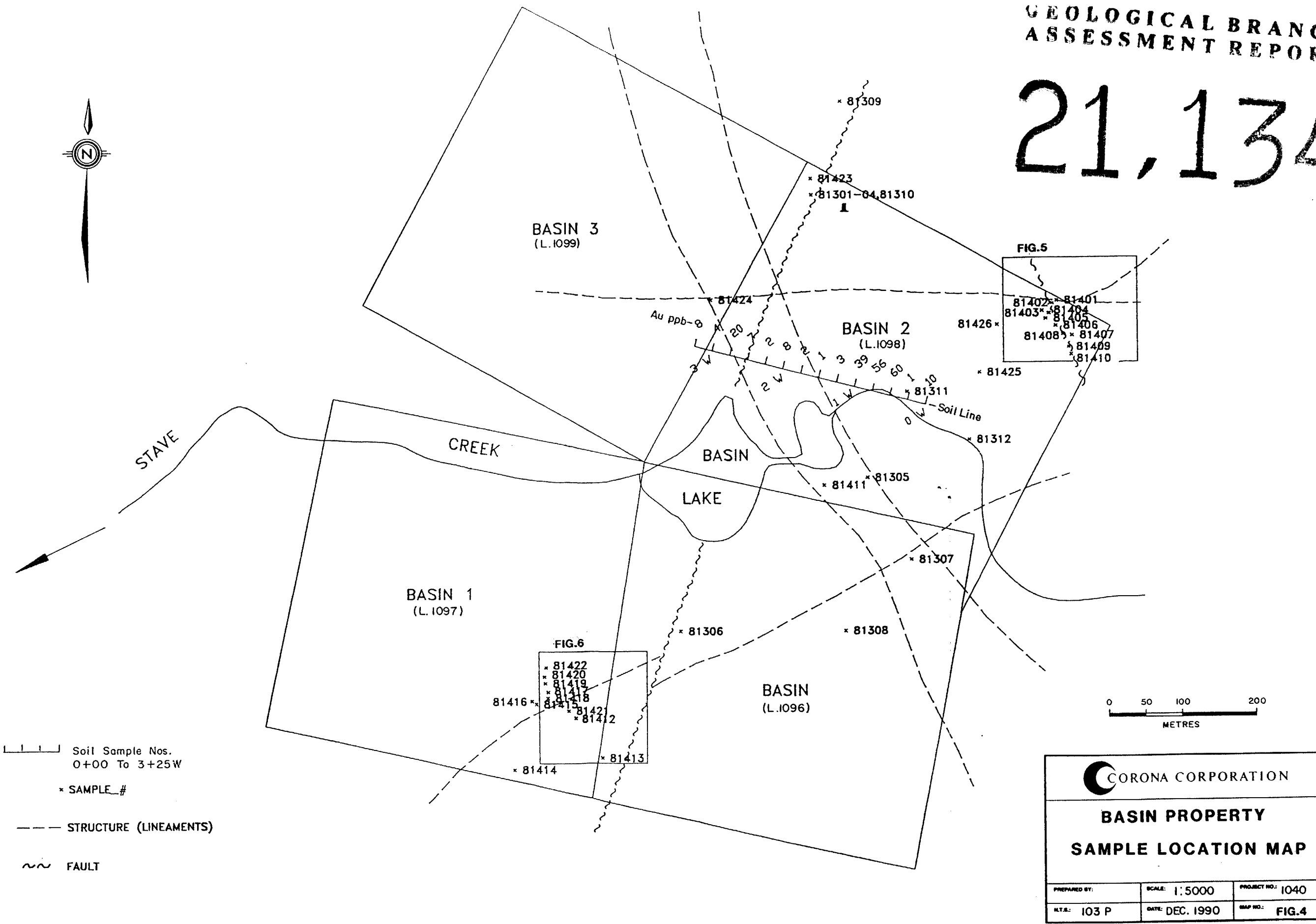
2.3 **Mineralization**

Most mineral occurrences in the area are hosted within volcanic rocks of units 4 and 5. Exceptions to this are the Ajax porphyry molybdenum mineralization and associated silver veins of Mount McGuire, and the zinc rich veins on McGrath Mountain.

Two predominant styles of mineralization have been documented:

(1) Silver rich quartz-barite-jasper ± sulphide zones occurring along the axis and

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- Soil Sample Nos.
0+00 To 3+25W
- * SAMPLE_#
- STRUCTURE (LINEAMENTS)
- ~ FAULT

CORONA CORPORATION		
BASIN PROPERTY SAMPLE LOCATION MAP		
PREPARED BY:	SCALE: 1:5000	PROJECT NO.: 1040
RTS.: 103 P	DATE: DEC. 1990	MAP NO.: FIG.4

- (1) Silver rich quartz-barite-jasper 1 sulphide zones occurring along the axis and east limb of the Kitsault River syncline. These mineralized zones have been the most economically interesting of the deposits in the Kitsault Valley, and include the Dolly Varden, North Star, Torbrit, Moose-Lamb and Wolf mines. Devlin and Godwin (1985) have interpreted these zones to represent stratiform volcanogenic deposits, Campbell (1959) has interpreted these zones as mesothermal to epithermal veins, deposited during folding.
- (2) Disseminated copper-gold mineralization occurs within andesitic pyroclastics and flows or sills of unit 4 and dacitic pyroclastics of unit 5. These occurrences are collectively known as the 'Copper Belt' and include the Homestake, Vanguard, Red Point, and Red Bluff properties. They extend from the Cambria Icefield south-southeast along the west side of the Kitsault River to the Dak River. The zones are localized along the upper contact of a feldspar and/or hornblende porphyritic flow or subvolcanic sill. Mineralization consists of disseminations and stringers of pyrite and chalcopyrite with associated gold and traces of galena and sphalerite. Associated alteration is extensive and consists of silicification chloritization and sericitization.

3.0 EXPLORATION MODEL

Historically the only economically viable deposits in the Kitsault Valley have been the Dolly Varden, Torbrit, Moose-Lamb and Northstar mines. Essential to developing an effective exploration model for the region is determining the genesis of the aforementioned deposits.

Devlin and Godwin (1985) and Campbell (1959) propose two conflicting views on the nature of these deposits. Alldrick and Godwin state that the deposits are volcanogenic in nature, whereas, Campbell proposes a structurally controlled epithermal to mesothermal origin. Diagnostic features of both deposit types as applied to the Torbrit Mine are listed:

Volcanogenic

1. conformable nature of sulphide mineralization
2. banded nature of mineralization
3. presence of barium
4. mineral zonation
5. presence of footwall alteration
6. island arc tectonic setting
7. presence of high level subvolcanic intrusives

Structural

1. presence of an altered hanging wall
2. persistent structural zone ("footwall fault") at all levels within deposit
3. hanging wall rocks are not pyroclastics

4. presence of high level subvolcanic intrusives

The evidence presented favours the volcanogenic model of mineralization, this has been dubbed the Dolly Varden Type (DVT). Therefore, merits of the Basin claims should be judged by the following criteria:

1. mineralization in the Kitsault Valley occurs almost exclusively within the volcanic rocks of Alldrick's unit 4. The presence of andesitic pyroclastics and especially crystal vitric tuffs (as in the Dolly Varden and the North Star) of the Hazleton Group is a positive sign
2. signs of an evolving magma i.e. mafic to felsic evolution
3. sedimentary rocks representative of a quiet intervolcanic hiatus
4. footwall alteration including sericite, silica, sulphates and chlorite
5. stratiform mineralization

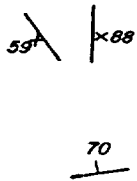
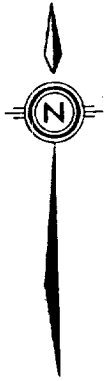
4.0 PROPERTY GEOLOGY

Geological mapping on the Basin claims was of a reconnaissance nature due to the limited time spent on the property (6 mandays). The predominant rock unit is a coarse volcanic derived conglomerate (Figures 5 & 6). Overlying this unit are turbidic sandstones and siltstones with occasional thin andesite flows. Well preserved textures enabled identification of turbidites, bedding and specifically tops which indicate an upright sequence. A medium grained diorite intrusive of unknown dimension forms the cliffs on the western portion of the claims. Local contact metamorphism is associated with the sediment/intrusive boundary. The stratigraphy displays a moderately chaotic depositional environment. No evidence to support quiescent periods where possible exhalative sulphides could be deposited was found. Two regional structures, one north-northwest, the other north-northeast transect the property. Hanging wall splays off of the north-northwest structure contain silver/copper mineralization previously explored through the driving of an adit and trenching. The mineralization occurs as pods and discontinuous veins of quartz with trace to massive amounts of tetrahedrite, chalcopyrite and pyrite. The north-northeast structure is a 1-3 metre glassy bull white quartz vein with local disseminations of 1-5% pyrite. This vein and subparallel ones occasionally contained anomalous gold values.

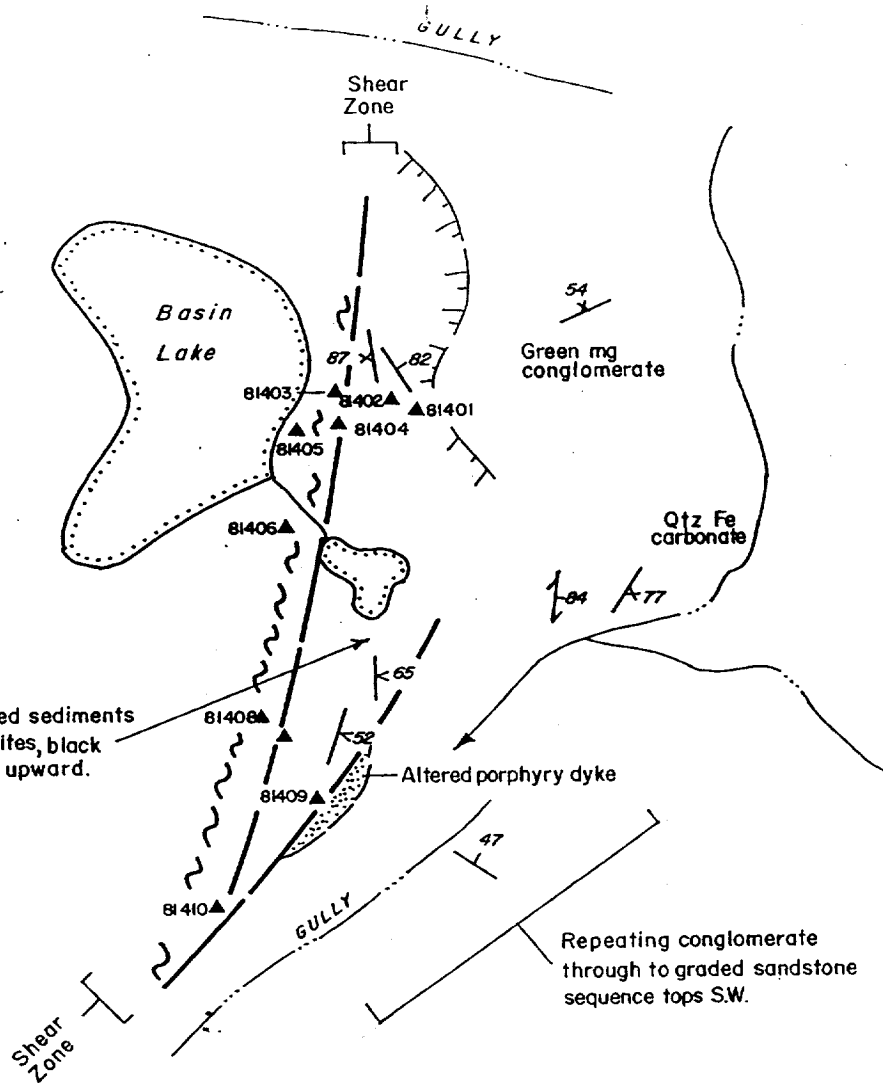
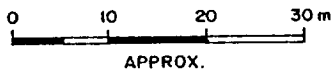
5.0 1990 WORK

5.1 Methodology

Work performed in 1990 by Corona Corporation consisted of prospecting, sampling and limited mapping on the 4 unit property. Paramount among the objectives of the



Fine-med banded sediments with local argillites, black siltstone fining upward.



LEGEND

- bedding
- vein
- foliation
- fracture
- structure (inferred)
- drainage
- rock sample

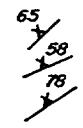
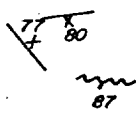
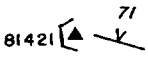
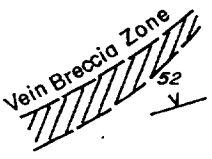
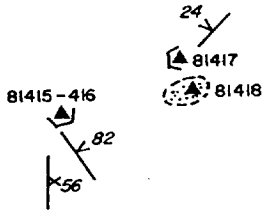
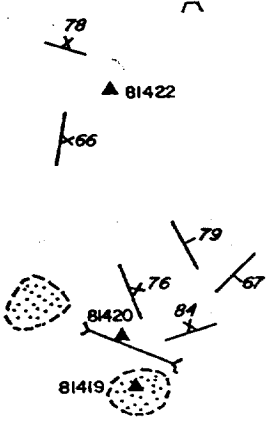


Diorite?

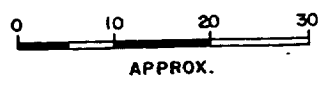
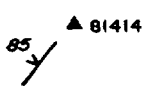
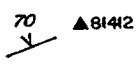
Tuff

LEGEND

- geological contact (inferred)
- ~ fault
- trench
- ┌ pit
- vein
- ~ shear
- fracture
- bedding
- dump
- ▲ rock sample



my volcanic derived
sediments & tuff
Diorite?



program was determining the nature of the mineralization on the property and assessing the potential for VMS style deposits.

Most of the work was devoted to examining the existing showings. The adit and the pits were mapped and sampled in detail (Figure 4). The balance of the time was spent prospecting the rest of the claim group. Grab and chip samples were obtained where mineralization warranted.

A line of soil samples was done to assess the potential of the central, overburden covered part of the property. The line was oriented perpendicular to the strike of a regional north-northeast striking fault which is spatially related to mineralization on the property. A total of 14 samples were retrieved at 25 meter intervals with a grubhoe. Soil development is minimal on the property; the overburden consists of talus with a thin veneer of moss and organic material.

5.2 Results

Property mapping concentrated on three zones of mineralization (Figure 4). These include the adit area on the north-northeast structure at the northern boundary of the claims, the trench area at the southern claim boundary (Figure 6), and a north-northwest shear in the northeast corner of the property (Figure 5). The remainder of the claims were traversed but no significant mineralization was discovered. A north-northwest shear with a 2m quartz vein was sampled but for the most part was barren of mineralization.

The adit area is in the hanging wall of the north-northeast regional structure. Flat structural splays off the main shear control the quartz lens where the adit was driven. Iron carbonate mineralization along the structure differs from the bull white quartz vein that hosts the Cu mineralization. The strike potential is limited due to the flat nature of the mineralized structure and its width relative to the topography.

Local detailed mapping of the trench area revealed low angle hanging wall splays off the major structures. These splays contained the mineralization which included chalcopyrite, tetrahedrite and trace pyrite. Mineral zoning shows the pyrite after the copper. A comparison of high grade and controlled chip samples was surprisingly equal. The mineralization is discontinuous and wide spread although high grade. Major trenching would delineate any potential new zones.

The north-northwest shear is very prominent and continuous on the eastern boundary of the claims. Associated parallel quartz rich shears returned anomalous Au values. A more comprehensive sampling of the structure would determine any economic value.

A total of 38 rock samples were collected and sent to Acme Analytical Labs in Vancouver for 30 element ICP analysis and geochemically analysed for gold.

Poor soil development and abundant glacial till rendered the soil survey inconclusive.

Future soil sampling should only be attempted over the trench area. A total of 14 soil samples were collected.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Mineralization is related to regional north-northeast and north-northwest striking shears. The east striking structure carries the Cu Ag values and the west structure contains white bull quartz and pyrite with anomalous Au values. No evidence, either stratigraphic or mineralogical, was obtained to support the potential for a VMS target. Further trenching and winter geophysics would aid in evaluating the property but at this time it is recommended that no further work be done.

REFERENCES

ALLDSICK, D.J. AND DAWSON, G.L. (1986) B.C.G.S. Geological Fieldwork 1985, Paper 1986-1, Geology and Mineral Deposits of the Kitsault Valley.

CARTER, N.C. (1990) Summary Basin Mineral Claims, Alice Arm Area, B.C. 103 P/11W, Private Report

CAVANAGH, REGIS (1983) B.C.G.S. Assessment Report No. 12489, Prospecting Report on Basin Property.

GLEDHIL, TOUR (1965) B.C.G.S. Assessment Report No. 680, Geological Report on Basin & Silver Basin Claim Groups.

March, 1991

PAC-03-1040-06-002

STATEMENT OF COSTS

SEPTEMBER 24 - 28, 1990

<u>DESCRIPTION OF COSTS</u>	<u>TIME/UNIT UNIT COST</u>	<u>TOTAL</u>
<u>TRAVEL</u>		
Vancouver Smither return		518.00
Truck	5 days & gas \$50.00/day	250.00
<u>WAGES</u>		
D. Gaunt Geologist	Sep 24-28 5 days \$200.00/day	1,000.00
P. Jones Prospector	Sep 24-28 5 days \$200.00/day	1,000.00
<u>ACCOMODATION</u>		
Stewart		130.00
Keewatin Camp		450.00
<u>MEALS</u>		
Stewart		120.00
<u>ANALYSIS</u>		
38 rock		
14 soil samples		528.90
<u>HELICOPTER</u>		
3.8 hours		2,649.00
<u>REPORT</u>		
		<u>500.00</u>
TOTAL		\$7,132.98

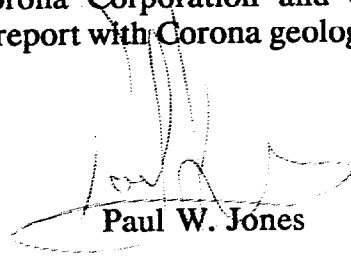
Apportionment:\$1,200 is being applied to the Basin Claims (L1096, L1097, L1098, L1099) with the balance to the P.A.C. account of Corona Corporation (F.M.C.#290675).

STATEMENT OF QUALIFICATIONS

I, Paul William Jones of #1 2804 West 1st Ave, of the city of Vancouver, B.C. declare that:

I have been actively involved in the mining industry in Canada and the United States since 1977. The first 9 years on a seasonal basis and the last 5 years full time.

I am a permanent full time employee of Corona Corporation and did personally direct and perform the work included in this report with Corona geologist Dave Gaunt.



Paul W. Jones

Dated This 18th Day Of March 1991,
At Vancouver, British Columbia.

March, 1991

PAC-03-1040-06-002

**APPENDIX I
LABORATORY ANALYTICAL PROCEDURES**

AA

ACME ANALYTICAL LABORATORIES LTD.

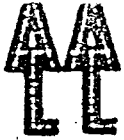
Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

ICP - .5 gram sample is digested with 3 ml 3-1-2
HCl-HNO₃-H₂O at 95 deg.C for one hour and is
diluted to 10 ml with water. This leach is
Partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba,
Ti, B, W and limited for Na, K, Al.

Au* - 10 gram samples are ignited at 600 deg.C,
digested with aqua regia at 95 deg.C for
one hour, 50 ml aliquot is extracted into
10 ml MIBK, analysed by graphite furnace AA.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

ICP - .5 gram sample is digested with 3 ml 3-1-2
HCl-HNO₃-H₂O at 95 deg.C for one hour and is
diluted to 10 ml with water. This leach is
Partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba,
Ti, B, W and limited for Na, K, Al.

Au* - 10 gram samples are ignited at 600 deg.C,
digested with aqua regia at 95 deg.C for
one hour, 50 ml aliquot is extracted into
10 ml MIBK, analysed by graphite furnace AA.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

ICP - .5 gram sample is digested with 3 ml 3-1-2
HCl-HNO₃-H₂O at 95 deg.C for one hour and is
diluted to 10 ml with water. This leach is
Partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba,
Ti, B, W and limited for Na, K, Al.

Au* - 10 gram samples are ignited at 600 deg.C,
digested with aqua regia at 95 deg.C for
one hour, 50 ml aliquot is extracted into
10 ml MIBK, analysed by graphite furnace AA.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

ICP - .5 gram sample is digested with 3 ml 3-1-2
HCl-HNO₃-H₂O at 95 deg.C for one hour and is
diluted to 10 ml with water. This leach is
Partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba,
Ti, B, W and limited for Na, K, Al.

Au* - 10 gram samples are ignited at 600 deg.C,
digested with aqua regia at 95 deg.C for
one hour, 50 ml aliquot is extracted into
10 ml MIBK, analysed by graphite furnace AA.

March, 1991

PAC-03-1040-06-002

**APPENDIX II
GEOCHEMICAL DATA
CERTIFICATES OF ANALYSIS**

GEOCHEMICAL ANALYSIS CERTIFICATE

Corona Corporation PROJECT 1040 BASIW File # 90-4993 Page 1

1440 - 800 W. Pender St., Vancouver BC V6C 2V6

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	Au*	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	
81301 - Cu Zn Ag	5	99999	2	9496	289.9	7082	1620	212	3.26	2844	8	ND	1	211	172.9	19356	66	1	1.23	0.54	2	13	.13	8	.01	2	.08	.01	.05	1	70
81302	1	497	2	79	12.5	228	33	1140	5.78	57	10	ND	2	252	1.1	198	2	98	11.10	0.88	7	126	3.16	663	.01	2	3.63	.01	.12	1	1
81303 - Cu Zn Ag	7	74522	15	2181	383.8	4324	786	95	.86	6949	5	ND	1	544	33.3	17653	59	1	.47	0.11	2	5	.08	36	.01	2	.06	.01	.03	1	40
81304 - Cu	1	321	4	34	1.0	195	26	1430	2.74	61	7	ND	1	722	.5	58	2	33	20.79	0.39	6	122	1.50	486	.01	2	1.34	.01	.07	1	4
81305 - Au	1	83	49	33	2.6	19	19	590	6.75	177	5	ND	1	68	.5	12	2	92	2.05	0.61	4	57	1.19	20	.01	2	1.19	.02	.03	1	980
81306	2	60	15	18	.4	11	3	137	.78	18	5	ND	1	6	.2	10	2	3	.04	0.04	2	6	.01	162	.01	3	.09	.01	.05	1	53
81307	1	18	3	12	.1	8	5	271	1.24	43	5	ND	1	7	.2	3	2	9	.54	0.13	2	6	.07	43	.01	3	.17	.01	.05	1	19
81308	2	9	2	7	.2	8	2	260	1.07	7	6	ND	1	113	.2	5	2	5	1.66	0.16	2	6	.47	27	.01	3	.05	.01	.05	1	4
81309	2	609	3	66	1.6	13	9	626	2.45	24	5	ND	1	10	.7	46	2	17	.17	0.81	11	3	.12	42	.01	5	.53	.01	.14	1	3
81310 - Cu Zn Ag Au	1	99999	2	18036	328.1	2331	690	146	7.71	465	5	ND	1	39	493.2	15348	2	1	.69	0.53	2	10	.04	6	.01	2	.04	.01	.03	3	730
81311 - Cu Ag	16	3903	14	415	219.6	100	24	476	3.96	118	5	ND	1	145	8.2	1450	2	97	3.36	1.06	10	87	1.36	64	.01	2	1.44	.05	.08	1	12
81312	1	141	4	18	7.1	11	4	1268	3.28	65	5	ND	1	56	.3	42	2	8	5.21	0.19	3	2	.65	34	.01	2	.12	.01	.04	1	42
81401	1	566	4	94	17.2	43	25	837	5.69	52	5	ND	1	29	.8	216	2	128	.42	1.00	7	31	2.33	439	.06	2	3.07	.04	.10	1	7
81402 - Cu Ag K	1	1341	2	145	91.7	39	24	843	4.58	74	6	ND	1	79	2.8	487	2	35	3.87	0.69	5	14	1.89	684	.01	2	1.48	.01	.23	1	24
81403	3	48	3	8	2.6	14	3	139	.90	23	5	ND	1	6	.2	16	2	4	.13	0.04	2	12	.04	681	.01	2	.10	.01	.03	1	15
81404 - Cu	1	12	2	13	.2	14	8	1628	4.97	8	5	ND	1	455	.8	2	2	29	28.54	0.08	8	12	.74	30	.01	2	.84	.01	.01	1	2
81405	1	126	2	20	2.1	15	10	668	4.30	7	5	ND	1	65	.4	24	2	58	3.66	0.34	3	16	1.37	40	.03	2	1.96	.01	.05	1	2
81406	1	144	2	31	8.9	14	12	877	2.92	15	5	ND	1	7	.2	49	2	12	.05	0.16	3	8	.05	545	.01	2	.30	.01	.08	1	6
81407 - Au	3	71	9	17	1.9	23	12	173	8.33	283	5	ND	1	2	.2	29	2	18	.03	0.24	2	12	.16	27	.01	2	.48	.01	.10	1	290
81408	1	52	2	19	1.1	24	11	1720	3.46	19	7	ND	1	138	.4	7	2	40	13.42	0.37	4	28	.79	19	.01	2	1.39	.01	.13	1	6
81409 - Ca	1	33	3	20	.2	7	6	1201	1.77	2	5	ND	1	361	.2	3	2	33	19.88	0.27	4	8	.81	11	.01	2	.94	.01	.06	1	2
81410	3	10	2	8	.1	10	3	694	1.67	5	7	ND	1	286	.2	2	2	15	12.47	0.10	3	35	.41	60	.01	2	.73	.01	.03	1	2
81411 - Au	1	57	8	39	.4	22	12	340	2.37	108	5	ND	1	15	.2	5	2	30	.58	0.46	2	52	.49	45	.01	3	.66	.02	.05	1	110
81412 - Ti	1	430	2	68	.1	26	18	1011	4.00	2	5	ND	1	71	.4	2	2	116	6.31	0.47	5	55	2.31	27	.13	2	2.08	.02	.02	1	6
81413 - Ti	1	126	20	26	.3	19	20	380	6.59	19	5	ND	1	21	.3	3	2	127	1.62	0.51	5	31	1.17	9	.23	5	1.77	.05	.05	1	2
81414	4	35	78	45	.2	25	15	371	3.37	11	5	ND	1	7	.2	3	2	52	.12	0.20	2	43	1.18	61	.01	5	1.68	.01	.08	1	64
81415	1	80	5	72	.7	88	37	995	6.57	103	5	ND	1	43	.3	3	2	128	1.01	0.67	6	226	3.44	67	.01	3	3.68	.02	.11	1	47
81416 - Au	1	60	23	45	1.3	67	27	499	6.65	246	5	ND	1	10	.2	8	2	88	.24	0.46	3	135	2.43	36	.01	2	2.42	.01	.10	1	130
81417 - Cu Zn Ag	4	92188	3	2763	229.6	13	59	1689	6.88	911	14	ND	1	110	48.4	13192	106	35	9.54	0.19	4	6	2.39	44	.01	2	.27	.01	.06	1	17
81418 - Cu Ag	6	10449	8	722	78.2	28	47	1377	6.83	571	5	ND	1	18	12.0	5229	2	63	.26	1.01	15	20	.66	182	.01	4	1.95	.01	.20	1	12
81419 - Cu Ag	1	8738	2	936	46.9	13	25	1308	4.09	240	6	ND	1	184	13.9	3619	2	33	12.65	0.25	5	12	2.14	76	.01	2	1.49	.01	.02	1	7
81420 - Cu Zn Ag	3	19232	2	1546	91.1	15	46	1326	4.55	439	5	ND	1	193	23.4	7231	2	47	10.78	0.29	5	14	1.99	35	.01	2	1.81	.01	.02	1	19
81421	2	984	10	98	7.4	15	8	309	3.38	135	5	ND	1	21	1.4	535	2	21	.96	0.27	2	16	.42	180	.01	3	.67	.01	.10	1	70
81422 - Cu Ag	3	4668	5	388	25.0	17	16	989	3.65	101	5	ND	1	89	5.0	378	2	31	4.12	0.30	6	22	.62	25	.01	2	1.16	.01	.05	1	48
81423 - Cu Zn Ag	1	3531	490	3686	69.8	285	73	935	1.69	216	5	ND	1	150	28.7	198	2	12	9.84	1.009	2	43	.58	79	.01	2	.24	.01	.04	1	21
81424	1	370	9	90	3.3	14	19	514	7.13	46	5	ND	1	31	.6	128	2	100	.91	0.96	5	16	1.08	31	.01	2	1.59	.01	.09	1	11
STANDARD C/AU-R	19	60	36	132	7.0	73	31	1052	3.95	40	20	7	39	53	19.0	15	20	61	.45	0.96	40	60	.89	182	.08	32	1.90	.06	.14	13	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AU. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 TO P2 ROCK P3 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: OCT 3 1990 DATE REPORT MAILED: Oct 10/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

GEOCHEMICAL ANALYSIS CERTIFICATE

Corona Corporation PROJECT 1040 BASIW File # 90-4993 Page 1
 1440 - 800 W. Pender St., Vancouver BC V6C 2V6

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
81301 - Cu Zn Ag	5	99999	2	9496	289.9	7082	1620	212	3.26	2844	8	ND	1	211	172.9	19356	66	1	1.23	0.54	2	13	.13	8	.01	2	.08	.01	.05	1	70
81302	1	497	2	79	12.5	228	33	1140	5.78	57	10	ND	2	252	1.1	198	2	98	11.10	0.88	7	126	3.16	663	.01	2	3.63	.01	.12	1	1
81303 - Cu Zn Ag	7	74522	15	2181	383.8	4324	786	95	.86	6949	5	ND	1	544	33.3	17653	59	1	.47	0.11	2	5	.08	36	.01	2	.06	.01	.03	1	40
81304 - Cu	1	321	4	34	1.0	195	26	1430	2.74	61	7	ND	1	722	.5	58	2	33	20.79	0.39	6	122	1.50	486	.01	2	1.34	.01	.07	1	4
81305 - Au	1	83	49	33	2.6	19	19	590	6.75	177	5	ND	1	68	.5	12	2	92	2.05	0.61	4	57	1.19	20	.01	2	1.19	.02	.03	1	980
81306	2	60	15	18	.4	11	3	137	.78	18	5	ND	1	6	.2	10	2	3	.04	0.04	2	6	.01	162	.01	3	.09	.01	.05	1	53
81307	1	18	3	12	.1	8	5	271	1.24	43	5	ND	1	7	.2	3	2	9	.54	0.13	2	6	.07	43	.01	3	.17	.01	.05	1	19
81308	2	9	2	7	.2	8	2	260	1.07	7	6	ND	1	113	.2	5	2	5	1.66	0.16	2	6	.47	27	.01	3	.05	.01	.05	1	4
81309	2	609	3	66	1.4	13	9	626	2.45	24	5	ND	1	10	.7	46	2	17	.17	0.81	11	3	.12	42	.01	5	.53	.01	.14	1	3
81310 - Cu Zn Ag Au	1	99999	2	18036	328.1	2331	690	146	7.71	465	5	ND	1	39	493.2	15348	2	1	.69	0.53	2	10	.04	6	.01	2	.04	.01	.03	3	730
81311 - Cu Ag	16	3903	14	415	219.6	100	24	476	3.96	118	5	ND	1	145	8.2	1450	2	97	3.36	1.08	10	87	1.36	64	.01	2	1.44	.05	.08	1	12
81312	1	141	4	18	7.1	11	4	1268	3.28	65	5	ND	1	56	.3	42	2	8	5.21	0.19	3	2	.65	34	.01	2	.12	.01	.04	1	42
81401	1	566	4	94	17.2	43	25	837	5.69	52	5	ND	1	29	.8	216	2	128	.42	1.00	7	31	2.33	439	.04	2	3.07	.04	.10	1	7
81402 - Cu Ag K	1	1341	2	145	91.7	39	24	843	4.58	74	6	ND	1	79	2.8	487	2	35	3.87	0.69	5	14	1.89	684	.01	2	1.48	.01	.23	1	24
81403	3	48	3	8	2.6	14	3	139	.90	23	5	ND	1	6	.2	16	2	4	.13	0.04	2	12	.04	681	.01	2	.10	.01	.03	1	15
81404 - Cu	1	12	2	13	.2	14	8	1628	4.97	8	5	ND	1	455	.8	2	2	29	28.54	0.08	8	12	.74	30	.01	2	.84	.01	.01	1	2
81405	1	126	2	20	2.1	15	10	668	4.30	7	5	ND	1	65	.4	24	2	58	3.66	0.34	3	16	1.37	40	.03	2	1.96	.01	.05	1	2
81406	1	144	2	31	8.9	14	12	877	2.92	15	5	ND	1	7	.2	49	2	12	.05	0.16	3	8	.05	545	.01	2	.30	.01	.08	1	6
81407 - Au	3	71	9	17	1.9	23	12	173	8.33	283	5	ND	1	2	.2	29	2	18	.03	0.24	2	12	.16	27	.01	2	.48	.01	.10	1	290
81408	1	52	2	19	1.1	24	11	1720	3.46	19	7	ND	1	138	.4	7	2	40	13.42	0.37	4	28	.79	19	.01	2	1.39	.01	.13	1	6
81409 - Ca	1	33	3	20	.2	7	6	1201	1.77	2	5	ND	1	361	.2	3	2	33	19.88	0.27	4	8	.81	11	.01	2	.94	.01	.06	1	2
81410	3	10	2	8	.1	10	3	694	1.67	5	7	ND	1	286	.2	2	2	15	12.47	0.10	3	35	.41	60	.01	2	.73	.01	.03	1	2
81411 - Au	1	57	8	39	.4	22	12	340	2.37	108	5	ND	1	15	.2	5	2	30	.58	0.44	2	52	.49	45	.01	3	.66	.02	.05	1	110
81412 - Ti	1	430	2	68	.1	26	18	1011	4.00	2	5	ND	1	71	.6	2	2	116	6.31	0.47	5	55	2.31	27	.13	2	2.08	.02	.02	1	6
81413 - Ti	1	126	20	26	.3	19	20	380	6.59	19	5	ND	1	21	.3	3	2	127	1.62	0.91	5	31	1.17	9	.23	5	1.77	.05	.05	1	2
81414	4	35	78	45	.2	25	15	371	3.37	11	5	ND	1	7	.2	3	2	52	.12	0.20	2	43	1.18	61	.01	5	1.68	.01	.08	1	64
81415	1	80	5	72	.7	88	37	995	6.57	103	5	ND	1	43	.3	3	2	128	1.01	0.67	6	226	3.44	67	.01	3	3.68	.02	.11	1	47
81416 - Au	1	60	23	45	1.3	67	27	499	6.65	246	5	ND	1	10	.2	8	2	88	.24	0.46	3	135	2.43	36	.01	2	2.42	.01	.10	1	130
81417 - Cu Zn Ag	4	92188	3	2763	229.6	13	59	1689	6.88	911	14	ND	1	110	48.4	13192	106	35	9.54	0.19	4	6	2.39	44	.01	4	.27	.01	.06	1	17
81418 - Cu Ag	6	10449	8	722	78.2	28	47	1377	6.83	571	5	ND	1	18	12.0	5229	2	63	.26	1.01	15	20	.66	182	.01	4	1.95	.01	.20	1	12
81419 - Cu Ag	1	8738	2	936	46.9	13	25	1308	4.09	240	6	ND	1	184	13.9	3619	2	33	12.65	0.25	5	12	2.14	76	.01	2	1.49	.01	.02	1	7
81420 - Cu Zn Ag	3	19232	2	1546	91.1	15	46	1326	4.55	439	5	ND	1	193	23.4	7231	2	47	10.78	0.29	5	14	1.99	35	.01	2	1.81	.01	.02	1	19
81421	2	984	10	98	7.4	15	8	309	3.38	135	5	ND	1	21	1.4	535	2	21	.96	0.27	2	16	.42	180	.01	3	.67	.01	.10	1	70
81422 - Cu Ag	3	4668	5	388	25.0	17	16	989	3.65	101	5	ND	1	89	5.0	378	2	31	4.12	0.30	6	22	.62	25	.01	2	1.16	.01	.05	1	48
81423 - Cu Zn Ag	1	3531	490	3686	69.8	285	73	935	1.69	216	5	ND	1	150	28.7	198	2	12	9.84	1.00	2	43	.58	79	.01	2	.24	.01	.04	1	21
81424	1	370	9	90	5.3	14	19	514	7.13	46	5	ND	1	31	.6	128	2	100	.91	0.96	5	16	1.08	31	.01	2	1.59	.01	.09	1	11
STANDARD C/AU-R	19	60	36	132	7.0	73	31	1052	3.95	40	20	7	39	53	19.0	15	20	61	.45	0.96	40	60	.89	182	.08	32	1.90	.06	.14	13	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AU. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 TO P2 ROCK P3 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: OCT 3 1990 DATE REPORT MAILED: Oct 10/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

GEOCHEMICAL ANALYSIS CERTIFICATE

Corona Corporation PROJECT 1040 BASIW File # 90-4993 Page 1
 1440 - 800 W. Pender St., Vancouver BC V6C 2V6

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
81301 - Cu Zn Ag	5	99999	2	9496	289.9	7082	1620	212	3.26	2844	8	ND	1	211	172.9	19356	66	1	1.23	0.54	2	13	.13	8	.01	2	.08	.01	.05	1	70
81302	1	497	2	79	12.5	228	33	1140	5.78	57	10	ND	2	252	1.1	198	2	98	11.10	0.88	7	126	3.16	663	.01	2	3.63	.01	.12	1	1
81303 - Cu Zn Ag	7	74522	15	2181	383.8	4324	786	95	.86	6949	5	ND	1	544	33.3	17653	59	1	.47	0.11	2	5	.08	36	.01	2	.06	.01	.03	1	40
81304 - Cu	1	321	4	34	1.0	195	26	1430	2.74	61	7	ND	1	722	.5	58	2	33	20.79	0.39	6	122	1.50	486	.01	2	1.34	.01	.07	1	4
81305 - Au	1	83	49	33	2.6	19	19	590	6.75	177	5	ND	1	68	.5	12	2	92	2.05	0.61	4	57	1.19	20	.01	2	1.19	.02	.03	1	980
81306	2	60	15	18	.4	11	3	137	.78	18	5	ND	1	6	.2	10	2	3	.04	0.04	2	6	.01	162	.01	3	.09	.01	.05	1	53
81307	1	18	3	12	.1	8	5	271	1.24	43	5	ND	1	7	.2	3	2	9	.54	0.13	2	6	.07	43	.01	3	.17	.01	.05	1	19
81308	2	9	2	7	.2	8	2	260	1.07	7	6	ND	1	113	.2	5	2	5	1.66	0.16	2	6	.47	27	.01	3	.05	.01	.05	1	4
81309	2	609	3	66	16.1	13	9	626	2.45	24	5	ND	1	10	.7	46	2	17	.17	0.81	11	3	.12	42	.01	5	.53	.01	.14	1	3
81310 - Cu Zn Ag Au	1	99999	2	18036	528.1	2331	690	146	7.71	465	5	ND	1	39	493.2	15348	2	1	.69	0.53	2	10	.04	6	.01	2	.04	.01	.03	3	730
81311 - Cu Ag	16	3903	14	415	219.6	100	24	476	3.96	118	5	ND	1	145	8.2	1450	2	97	3.36	1.06	10	87	1.36	64	.01	2	1.44	.05	.08	1	12
81312	1	141	4	18	7.1	11	4	1268	3.28	65	5	ND	1	56	.3	42	2	8	5.21	0.19	3	2	.65	34	.01	2	.12	.01	.04	1	42
81401	1	566	4	94	17.2	43	25	837	5.69	52	5	ND	1	29	.8	216	2	128	.42	1.00	7	31	2.33	439	.06	2	3.07	.04	.10	1	7
81402 - Cu Ag K	1	1341	2	145	91.7	39	24	843	4.58	74	6	ND	1	79	2.8	487	2	35	3.87	0.69	5	14	1.89	684	.01	2	1.48	.01	.23	1	24
81403	3	48	3	8	2.6	14	3	139	.90	23	5	ND	1	6	.2	16	2	4	.13	0.04	2	12	.04	681	.01	2	.10	.01	.03	1	15
81404 - Cu	1	12	2	13	.2	14	8	1628	4.97	8	5	ND	1	455	.8	2	2	29	28.54	0.08	8	12	.74	30	.01	2	.84	.01	.01	1	2
81405	1	126	2	20	2.1	15	10	668	4.30	7	5	ND	1	65	.4	24	2	58	3.66	0.34	3	16	1.37	40	.03	2	1.96	.01	.05	1	2
81406	1	144	2	31	8.9	14	12	877	2.92	15	5	ND	1	7	.2	49	2	12	.05	0.16	3	8	.05	545	.01	2	.30	.01	.08	1	6
81407 - Au	3	71	9	17	1.9	23	12	173	8.33	283	5	ND	1	2	.2	29	2	18	.03	0.24	2	12	.16	27	.01	2	.48	.01	.10	1	290
81408	1	52	2	19	1.1	24	11	1720	3.46	19	7	ND	1	138	.4	7	2	40	13.42	0.37	4	28	.79	19	.01	2	1.39	.01	.13	1	6
81409 - Ca	1	33	3	20	.2	7	6	1201	1.77	2	5	ND	1	361	.2	3	2	33	19.88	0.27	4	8	.81	11	.01	2	.94	.01	.06	1	2
81410	3	10	2	8	.1	10	3	694	1.67	5	7	ND	1	286	.2	2	2	15	12.47	0.10	3	35	.41	60	.01	2	.73	.01	.03	1	2
81411 - Au	1	57	8	39	.4	22	12	340	2.37	108	5	ND	1	15	.2	5	2	30	.58	0.46	2	52	.49	45	.01	3	.66	.02	.05	1	110
81412 - Ti	1	430	2	68	.1	26	18	1011	4.00	2	5	ND	1	71	.4	2	2	116	6.31	0.47	5	55	2.31	27	.13	2	2.08	.02	.02	1	6
81413 - Ti	1	126	20	26	.3	19	20	380	6.59	19	5	ND	1	21	.3	3	2	127	1.62	0.09	5	31	1.17	9	.23	5	1.77	.05	.05	1	2
81414	4	35	78	45	.2	25	15	371	3.37	11	5	ND	1	7	.2	3	2	52	.12	0.20	2	43	1.18	61	.01	5	1.68	.01	.08	1	64
81415	1	80	5	72	.7	88	37	995	6.57	103	5	ND	1	43	.3	3	2	128	1.01	0.67	6	226	3.44	67	.01	3	3.68	.02	.11	1	47
81416 - Au	1	60	23	45	1.3	67	27	499	6.65	266	5	ND	1	10	.2	8	2	88	.24	0.46	3	135	2.43	36	.01	2	2.42	.01	.10	1	130
81417 - Cu Zn Ag	4	92188	3	2763	229.6	13	59	1689	6.88	911	14	ND	1	110	48.4	13192	106	35	9.54	0.19	4	6	2.39	44	.01	4	.27	.01	.06	1	17
81418 - Cu Ag	6	10449	8	722	78.2	28	47	1377	6.83	571	5	ND	1	18	12.0	5229	2	63	.26	1.0	15	20	.66	182	.01	4	1.95	.01	.20	1	12
81419 - Cu Ag	1	8738	2	936	46.9	13	25	1308	4.09	240	6	ND	1	184	13.9	3619	2	33	12.65	0.25	5	12	2.14	76	.01	2	1.49	.01	.02	1	7
81420 - Cu Zn Ag	3	19232	2	1546	91.1	15	46	1326	4.55	439	5	ND	1	193	23.4	7231	2	47	10.78	0.29	5	14	1.99	35	.01	2	1.81	.01	.02	1	19
81421	2	984	10	98	7.4	15	8	309	3.38	135	5	ND	1	21	1.4	535	2	21	.96	0.27	2	16	.42	180	.01	3	.67	.01	.10	1	70
81422 - Cu Ag	3	4668	5	388	25.0	17	16	989	3.65	101	5	ND	1	89	5.0	378	2	31	4.12	0.30	6	22	.62	25	.01	2	1.16	.01	.05	1	48
81423 - Cu Zn Ag	1	3531	490	3686	69.8	285	73	935	1.69	216	5	ND	1	150	28.7	198	2	12	9.84	1.009	2	43	.58	79	.01	2	.24	.01	.04	1	21
81424	1	370	9	90	5.3	14	19	514	7.13	46	5	ND	1	31	.6	128	2	100	.91	0.96	5	16	1.08	31	.01	2	1.59	.01	.09	1	11
STANDARD C/AU-R	19	60	36	132	7.0	73	31	1052	3.95	40	20	7	39	53	19.0	15	20	61	.45	0.96	40	60	.89	182	.08	32	1.90	.06	.14	13	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR KG BA TI B V AND LIMITED FOR NA K AND AU AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 TO P2 ROCK P3 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: OCT 3 1990 DATE REPORT MAILED: Oct 10/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

GEOCHEMICAL ANALYSIS CERTIFICATE

Corona Corporation PROJECT 1040 BASIW File # 90-4993 Page 1
1440 - 800 W. Pender St., Vancouver BC V6C 2V6

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Tl, B, Al, Na, K, W, Au*. Rows include sample IDs like 81301, 81302, 81303, 81304, 81305, 81306, 81307, 81308, 81309, 81310, 81311, 81312, 81401, 81402, 81403, 81404, 81405, 81406, 81407, 81408, 81409, 81410, 81411, 81412, 81413, 81414, 81415, 81416, 81417, 81418, 81419, 81420, 81421, 81422, 81423, 81424, and STANDARD C/AU-R.

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 TO P2 ROCK P3 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 MG SAMPLE.

DATE RECEIVED: OCT 3 1990 DATE REPORT MAILED: Oct 10/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
81425	1	63	3	597	8	12	6	1773	3.52	5	5	ND	1	369	2.8	15	2	26	16.56	0.68	6	7	1.67	100	.01	2	.88	.01	.08	1	2
81426	3	63	2	29	6	10	4	456	1.88	10	5	ND	1	386	2	15	2	8	7.51	0.39	2	31	.63	15	.01	4	.20	.01	.10	1	2

PRINTED AT ION

Corona Corporation PROJECT 1040 BASIW FILE # 90-4993

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
81425	1	63	3	597	3.8	12	6	1773	3.52	5	5	ND	1	369	2.8	15	2	26	16.56	0.48	6	7	1.67	100	.01	2	.88	.01	.08	.1	2
81426	3	63	2	29	6	10	4	456	1.88	10	5	ND	1	386	2	15	2	8	7.51	0.39	2	31	.63	15	.01	4	.20	.01	.10	.1	2

UNIT 02 AT 100

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	M ppm	Au* ppb
81425	1	63	3	597	8	12	6	1773	3.52	5	5	ND	1	369	218	15	2	26	16.56	0.68	6	7	1.67	100	0.1	2	.88	.01	.08	1	2
81426	3	63	2	29	6	10	4	456	1.88	10	5	ND	1	386	12	15	2	8	7.51	0.39	2	31	.63	15	0.1	4	.20	.01	.10	1	2

TITLT RE AT 100

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
81425	1	63	3	597	.8	12	6	1773	3.52	5	5	ND	1	369	2.8	15	2	26	16.56	.048	6	7	1.67	100	.01	2	.88	.01	.08	.1	2
81426	3	63	2	29	.6	10	4	456	1.88	10	5	ND	1	386	2	15	2	8	7.51	.039	2	31	.63	15	.01	4	.20	.01	.10	.1	2

Y.T.T. SC AT 100

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	U ppm	Au ⁿ ppb
LB 3+25W	2	30	17	66	5	17	12	842	7.03	22	5	ND	1	15	3	2	2	194	.16	.097	8	60	1.10	53	.07	2	2.30	.01	.08	1	8
LB 3+00W	3	44	25	51	8	8	6	313	8.19	60	5	ND	2	8	2	6	2	223	.03	.287	9	32	.39	93	.04	2	3.19	.01	.05	1	4
LB 2+75W	2	117	23	124	6	65	18	1226	5.67	36	5	ND	2	8	2	5	2	89	.10	.131	12	81	1.53	64	.04	8	3.76	.01	.06	1	20
LB 2+50W	2	108	20	95	5	58	20	1998	5.64	34	5	ND	1	7	8	4	2	98	.11	.232	8	113	1.43	47	.03	2	2.76	.01	.07	1	7
LB 2+25W	3	39	16	54	1	20	6	481	10.93	21	5	ND	2	6	4	6	2	174	.03	.187	8	69	.47	48	.10	3	2.19	.01	.05	1	2
LB 2+00W	1	51	9	65	1	25	14	945	9.04	10	5	ND	1	13	5	3	2	212	.08	.100	4	180	1.04	96	.09	4	2.76	.01	.05	1	8
LB 1+75W	1	76	5	49	6	22	9	410	10.70	32	5	ND	2	7	1	2	2	182	.03	.092	4	173	.87	51	.01	2	4.14	.01	.04	1	2
LB 1+50W	3	44	7	60	5	21	7	998	5.07	13	5	ND	1	6	4	4	2	86	.05	.082	14	69	.45	51	.14	4	3.32	.01	.07	1	1
LB 1+25W	5	107	17	91	7	25	10	951	5.04	26	5	ND	1	10	1	4	2	72	.08	.236	6	49	.63	91	.02	3	2.89	.01	.07	1	3
LB 1+00W	5	37	21	110	4	21	9	885	5.84	25	5	ND	1	10	2	4	2	95	.08	.137	7	56	.64	90	.02	2	3.29	.01	.07	1	39
LB 0+75W	4	40	21	102	9	21	7	558	5.03	33	5	ND	1	28	6	5	2	94	.31	.159	9	43	.68	230	.02	2	3.08	.01	.08	1	56
LB 0+50W	3	34	14	61	8	12	5	504	5.04	36	5	ND	1	12	2	4	2	102	.10	.227	9	37	.27	83	.01	2	2.12	.01	.08	1	60
LB 0+25W	3	54	2	71	1	25	5	393	5.09	43	5	ND	1	6	3	2	84	.05	.136	15	66	.31	52	.02	2	2.74	.01	.06	1	1	
LB 0+00W	3	79	18	80	5	24	17	807	4.44	41	5	ND	1	50	13	4	2	72	.56	.197	12	39	1.08	280	.01	6	2.18	.01	.10	1	10
STANDARD C/AU-S	19	62	38	134	23	73	31	1054	4.00	42	22	7	40	52	18	15	18	58	.45	.099	37	59	.95	183	.07	34	1.88	.06	.13	12	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	U ppm	Au* ppb
LB 3+25W	2	30	17	66	5	17	12	842	7.03	22	5	ND	1	15	3	2	2	194	.16	.097	8	60	1.10	53	.07	2	2.30	.01	.08	1	8
LB 3+00W	3	44	25	51	8	8	6	313	8.19	60	5	ND	2	8	2	6	2	223	.03	.267	9	32	.39	93	.04	2	3.19	.01	.05	1	4
LB 2+75W	2	117	23	124	6	65	18	1226	5.67	36	5	ND	2	8	2	5	2	89	.10	.131	12	81	1.53	64	.04	8	3.76	.01	.06	1	20
LB 2+50W	2	108	20	95	5	58	20	1998	5.64	34	5	ND	1	7	8	4	2	98	.11	.232	8	113	1.43	47	.03	2	2.76	.01	.07	1	7
LB 2+25W	3	39	16	54	1	20	6	481	10.93	21	5	ND	2	6	4	6	2	174	.03	.187	8	69	.47	48	.10	3	2.19	.01	.05	1	2
LB 2+00W	1	51	9	65	1	25	14	945	9.04	10	5	ND	1	13	5	3	2	212	.08	.100	4	180	1.04	96	.09	4	2.76	.01	.05	1	8
LB 1+75W	1	76	5	49	6	22	9	410	10.70	32	5	ND	2	7	1	2	2	182	.03	.092	4	173	.87	51	.01	2	4.14	.01	.04	1	2
LB 1+50W	3	44	7	60	5	21	7	998	5.07	13	5	ND	1	6	4	4	2	86	.05	.082	14	69	.45	51	.14	4	3.32	.01	.07	1	1
LB 1+25W	5	107	17	91	7	25	10	951	5.04	26	5	ND	1	10	1	4	2	72	.08	.236	6	49	.63	91	.02	3	2.89	.01	.07	1	3
LB 1+00W	5	37	21	110	4	21	9	885	5.84	25	5	ND	1	10	2	4	2	95	.08	.137	7	56	.64	90	.02	2	3.29	.01	.07	1	39
LB 0+75W	4	40	21	102	9	21	7	558	5.03	33	5	ND	1	28	6	5	2	94	.31	.159	9	43	.68	230	.02	2	3.08	.01	.08	1	56
LB 0+50W	3	34	14	61	8	12	5	504	5.04	36	5	ND	1	12	2	4	2	102	.10	.227	9	37	.27	83	.01	2	2.12	.01	.08	1	60
LB 0+25W	3	54	2	71	4	25	5	393	5.09	43	5	ND	1	6	2	3	2	84	.05	.156	15	66	.31	52	.02	2	2.74	.01	.06	1	1
LB 0+00W	3	79	18	80	5	24	17	807	4.44	41	5	ND	1	50	13	4	2	72	.56	.197	12	39	1.08	280	.01	6	2.18	.01	.10	1	10
STANDARD C/AU-S	19	62	38	134	3	73	31	1054	4.00	42	22	7	40	52	18	15	18	58	.45	.099	37	59	.95	183	.07	34	1.88	.06	.13	12	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	V ppm	Au* ppb
LB 3+25W	2	30	17	66	5	17	12	842	7.03	22	5	ND	1	15	3	2	2	194	.16	.097	8	60	1.10	53	.07	2	2.30	.01	.08	1	8
LB 3+00W	3	44	25	51	8	8	6	313	8.19	60	5	ND	2	8	2	6	2	223	.03	.247	9	32	.39	93	.04	2	3.19	.01	.05	1	4
LB 2+75W	2	117	23	124	6	65	18	1226	5.67	36	5	ND	2	8	2	5	2	89	.10	.131	12	81	1.53	64	.04	8	3.76	.01	.06	1	20
LB 2+50W	2	108	20	95	5	58	20	1998	5.64	34	5	ND	1	7	8	4	2	98	.11	.232	8	113	1.43	47	.03	2	2.76	.01	.07	1	7
LB 2+25W	3	39	16	54	1	20	6	481	10.93	21	5	ND	2	6	4	6	2	174	.03	.187	8	69	.47	48	.10	3	2.19	.01	.05	1	2
LB 2+00W	1	51	9	65	1	25	14	945	9.04	10	5	ND	1	13	5	3	2	212	.08	.100	4	180	1.04	96	.09	4	2.76	.01	.05	1	8
LB 1+75W	1	76	5	49	6	22	9	410	10.70	32	5	ND	2	7	1	2	2	182	.03	.092	4	173	.87	51	.01	2	4.14	.01	.04	1	2
LB 1+50W	3	44	7	60	5	21	7	998	5.07	13	5	ND	1	6	4	4	2	86	.05	.082	14	69	.45	51	.14	4	3.32	.01	.07	1	1
LB 1+25W	5	107	17	91	7	25	10	951	5.04	26	5	ND	1	10	1	4	2	72	.08	.236	6	49	.63	91	.02	3	2.89	.01	.07	1	3
LB 1+00W	5	37	21	110	4	21	9	885	5.84	25	5	ND	1	10	2	4	2	95	.08	.137	7	56	.64	90	.02	2	3.29	.01	.07	1	39
LB 0+75W	4	40	21	102	9	21	7	558	5.03	33	5	ND	1	28	6	5	2	94	.31	.159	9	43	.68	230	.02	2	3.08	.01	.08	1	56
LB 0+50W	3	34	14	61	8	12	5	504	5.04	36	5	ND	1	12	2	4	2	102	.10	.227	9	37	.27	83	.01	2	2.12	.01	.08	1	60
LB 0+25W	3	54	2	71	14	25	5	393	5.09	43	5	ND	1	6	2	3	2	84	.05	.136	15	66	.31	52	.02	2	2.74	.01	.06	1	1
LB 0+00W	3	79	18	80	5	24	17	807	4.44	41	5	ND	1	50	13	4	2	72	.56	.197	12	39	1.08	280	.01	6	2.18	.01	.10	1	10
STANDARD C/AU-S	19	62	38	134	23	73	31	1054	4.00	42	22	7	40	52	18	15	18	58	.45	.099	37	59	.95	183	.07	34	1.88	.06	.13	12	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
LB 3+25W	2	30	17	66	5	17	12	842	7.03	22	5	ND	1	15	3	2	2	194	.16	.097	8	60	1.10	53	.07	2	2.30	.01	.08	1	8
LB 3+00W	3	44	25	51	8	8	6	313	8.19	60	5	ND	2	8	2	6	2	223	.03	.247	9	32	.39	93	.04	2	3.19	.01	.05	1	4
LB 2+75W	2	117	23	124	6	65	18	1226	5.67	36	5	ND	2	8	2	5	2	89	.10	.131	12	81	1.53	64	.04	8	3.76	.01	.06	1	20
LB 2+50W	2	108	20	95	5	58	20	1998	5.64	34	5	ND	1	7	8	4	2	98	.11	.232	8	113	1.43	47	.03	2	2.76	.01	.07	1	7
LB 2+25W	3	39	16	54	11	20	6	481	10.93	21	5	ND	2	6	4	6	2	174	.03	.187	8	69	.47	48	.10	3	2.19	.01	.05	1	2
LB 2+00W	1	51	9	65	11	25	14	945	9.04	10	5	ND	1	13	5	3	2	212	.08	.100	4	180	1.04	96	.09	4	2.76	.01	.05	1	8
LB 1+75W	1	76	5	49	6	22	9	410	10.70	32	5	ND	2	7	1	2	2	182	.03	.092	4	173	.87	51	.01	2	4.14	.01	.04	1	2
LB 1+50W	3	44	7	60	5	21	7	998	5.07	13	5	ND	1	6	4	4	2	86	.05	.082	14	69	.45	51	.14	4	3.32	.01	.07	1	1
LB 1+25W	5	107	17	91	7	25	10	951	5.04	26	5	ND	1	10	1	4	2	72	.08	.236	6	49	.63	91	.02	3	2.89	.01	.07	1	3
LB 1+00W	5	37	21	110	14	21	9	885	5.84	25	5	ND	1	10	2	4	2	95	.08	.137	7	56	.64	90	.02	2	3.29	.01	.07	1	39
LB 0+75W	4	40	21	102	9	21	7	558	5.03	33	5	ND	1	28	6	5	2	94	.31	.159	9	43	.68	230	.02	2	3.08	.01	.08	1	56
LB 0+50W	3	34	14	61	8	12	5	504	5.04	36	5	ND	1	12	2	4	2	102	.10	.227	9	37	.27	83	.01	2	2.12	.01	.08	1	60
LB 0+25W	3	54	2	71	10	25	5	393	5.09	43	5	ND	1	6	3	3	2	84	.05	.136	15	66	.31	52	.02	2	2.74	.01	.06	1	1
LB 0+00W	3	79	18	80	5	24	17	807	4.44	41	5	ND	1	50	13	4	2	72	.56	.197	12	39	1.08	280	.01	6	2.18	.01	.10	1	10
STANDARD C/AU-S	19	62	38	134	7.3	73	31	1054	4.00	42	22	7	40	52	18.8	15	18	58	.45	.099	37	59	.95	183	.07	34	1.88	.06	.13	12	45

March, 1991

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**APPENDIX III
DESCRIPTION OF ROCK SAMPLES**

81401	1/2m chip	Green meta tuff with qtz carbonate stringers, limey and 5 cm shear, trace euhedral py cubes
81402	subcrop grab	?dyke? propylitic altered medium grained with parallel qtz vein, light green chlorite alteration, siliceous trace diss py
81403	subcrop	qtz vein float, minimum 25cm, multi-phase vuggy, rusty rims
81404	talus	calc silicate skarn rock 1% blebs py weakly-moderately magnetic, qtz carbonate shards, foliated fabric
81405	talus	qtz stockwork, breccia, green fragments qtz infilling
81406	subcrop grab	rusty brecciated sediment with vuggy qtz stockwork
81407	subcrop	semi massive py within qtz vein system, grey smokey qtz
81408	1m chip	semi massive - blebs py within qtz vein and stockwork system
81409	grab	calc silicate veining/veinlets within sediments adjacent to breccia qtz stockwork zone, footwall structure
81410	grab	bull white qtz vein within chlorite altered host, minor rust
81411	talus	siliceous host with qtz stockwork with blebs and disseminations py
81412	grab	10 cm qtz carbonate fracture sweat trace- 1% cpy, trace py, blebs
81413	talus float	andesitic ?dyke? rock, very fine grained with 5-10% disseminated py
81414	grab	10 cm qtz vein and stockwork system within 30 cm shear, qtz bull white trace blebs py
81415	grab Pit 1	5-10 cm pyritic qtz vein within breccia zone near sediment/diorite contact
81416	2 m chip Pit 1	brecciated qtz stockwork zone with blebs and veinlets py
81417	high grade Pit 2	massive tetrahedrite

81418	2 m grab Pit 2	pit dump rock rusty argillaceous siltstone
81419	high grade Pit 3	high grade tetrahedrite, cpy, py breccia zone with qtz Fe carbonate veinlets
81420	1-5 m chip Pit 3	breccia zone with tetrahedrite, cpy, py with qtz Fe carbonate veins
81421	grab Pit 5	ruggy qtz breccia zone with cpy, py 5 cm
81422	lm chip Pit 4	breccia zone with Fe carbonate qtz veins, cpy, py tetrahedrite
81423	grab	limey siliceous breccia zone with 1% cpy and trace py
81424	talus	qtz breccia zone with 5% blebs py within volcanic host
81425	grab 2 m	qtz breccia zone, specs cpy
81426	grab	10-20 cm qtz Fe carbonate fracture breccia zone with minor rust

Samples # 81301-81312 have no sample descriptions, the sample notes were lost.
 Samples LB 0+00W-LB 3+25W are soil samples from a glacial till layer.