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GEOCHEMICAL REPORT ON THE MEGA,
BOOT, ANGELA 1, AND GOLD CLAIMS
CLINTON MINING DIVISION, B.C.

ON BEHALF OF
VALERIE GOLD RESOURCES LTD.

920/12E

BY

R.A. GONZALEZ, MSc, F.G.E.O.L.D. **GEOLOGICAL BRANCH**
ASSESSMENT REPORT
JUNE 1992

22,398

LOCATION: 51°36' NORTH LATITUDE; 123°40' WEST LONGITUDE
OPERATOR: VALERIE GOLD RESOURCES LTD.
OWNER: VALERIE GOLD RESOURCES LTD.
CONSULTANT: ADDER EXPLORATION AND DEVELOPMENT LTD.
APPROVAL NO: KAM 91-0300258-1272

GEOCHEMICAL REPORT ON THE MEGA,
ANGELA 1, BOOT, AND GOLD CLAIMS
CLINTON MINING DIVISION, B.C.

SUMMARY

VALERIE GOLD RESOURCES LTD. has purchased and staked a total of 18 Modified Grid Claims comprised of 326 units. The property is approximately 120 kilometres southwest of the city of Williams Lake and is readily accessible by 95 kilometres of paved highway and 65 kilometres of all-weather, graded gravel road. The claims roughly straddle the east side of the Taseko River valley approximately 10 kilometres north of the Fish Lake Cu-Au deposit.

The claims cover several large magnetic lows outlined by a low-level airborne geophysical survey flown in the mid-1980's. A reconnaissance geochemical soil sampling survey was carried out over the property in September 1992 by Valerie. That survey defined a broad mercury and arsenic anomaly over this same magnetic feature. This magnetic feature (the MEGA-GOLD Zone) is currently believed to be the principal target on the property.

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GEOCHEMICAL REPORT ON THE MEGA,
ANGELA 1, BOOT, AND GOLD CLAIMS
CLINTON MINING DIVISION, B.C.

1.0 INTRODUCTION

In September 1991, VALERIE GOLD RESOURCES LTD. purchased ten Modified Grid Claims, totalling 174 units, in the Taseko River area of the Clinton Mining Division. The company also staked eight addition Modified Grid Claims totalling 152 units. The writer was retained to do a geological assessment of the property, review previous work, appraise this areas potential, and if warranted, to make recommendations for further exploration. The writer spent nine days examining and sampling the area between September 18 and September 26, 1991. This report discusses the results of that field examination and sampling program.

1.1 LOCATION AND ACCESS

The prospect is located in central British Columbia at 51° 36'N, 123° 40'W (NTS 92 O/12E), 120 kilometres southwest of the city of Williams Lake and approximately 10 kilometres east of Elkin Lake (Figure 1).

The MEGA, BOOT, and GOLD claims cover an area of approximately 60 square kilometres, roughly straddling the Taseko River (Figure 2). A good quality, all-weather, graded gravel road connects the property to B.C. Highway 30 at Hanceville, 65 kilometres to the north. Hanceville is approximately 95 kilometres, by paved highway, west of Williams Lake.

Access to the claims on the east side of Taseko River is aided by a network of cattle roads, recent logging roads, and seismic lines across relatively flat topography. Access to the small portion of the claims that are on the west side of the river is more difficult; however, the main road crosses the river near the south boundary of Gold 3.

1.2 TOPOGRAPHY, CLIMATE, AND PHYSIOGRAPHY

The area is in the physiographic division known as Fraser Plateau (Holland, 1965), which is an upland of low relief (approximately 500 metres). Topography is largely controlled by extensive flat-lying basalt flows which forms a nearly flat plateau with a surface at approximately 1400 metres (4600 feet) above sea level. Relief on the plateau is very gentle and alkaline lakes are common. This plateau is cut by the Taseko River and by the Elkin Creek drainage to the west, both form steep-sided valleys with 250 to 300 metres (800 to 1000 feet) relief. Cone Hill located on the southern boundary of

the claims, is the highest feature in the area with an elevation of approximately 1770 metres (5800 feet).

The north flowing Taseko River and a minor 10 kilometres long tributary, Vick Creek, are the only significant drainage features on the property.

Tree cover is extensive and consists mostly of lodgepole pine which is well spaced and movement through the forest is easy. The area has been devastated by a mountain pine beetle infestation and vast tracts of standing dead pines are visible. To control the infestation, the entire region is very rapidly being logged. Extensive areas of clear-cut logging, with the associated road network provides easy access to the entire claim block. Large areas of grassland occur around the alkali lakes and the flat drainages. These grasslands are used for cattle grazing.

The climate in this portion of interior British Columbia is generally warm and dry with a moderately long cold winter. Frost may occur at any time: however, day time temperatures in excess of 10°C are normal from early May until mid to late October. Temperatures in excess of 30°C are common during the summer months while winter lows below -40°C are rare. The greatest accumulation of moisture (average of 25 mm per year) occurs during the fall, winter, and early spring in the form of snow. The remainder of the year is generally dry. Moisture in the form of rainfall is confined to afternoon showers during the warm months.

Most of the area was covered by the Wisconsin ice-sheet which flowed northeastwardly toward the Fraser Depression. It was this ice-sheet that was responsible for the present shape of the plateau, mountains and valleys. During the height of this last glacial advance it is likely that most of the claim was covered by ice. As the ice retreated a thin mantle, varying from 2-20 metres of generally unsorted sand and gravels with little clay covered the property. The glacial till covering the area has been little altered to soil, and, in general, the 'B' soil horizon is poorly developed. Glacial erratics, resting on the surface, up to several metres in diameter, are common.

1.3 PROPERTY STATUS

The property is composed of 18 Modified Grid Claims consisting of 326 units (Figure 2). All claims were staked in 1991. The claims, record numbers, size, and anniversary dates are listed in Table I.

TABLE I**LIST OF CLAIMS**

<u>CLAIM NAME</u>	<u>TENURE NO.</u>	<u>NO. OF UNITS</u>	<u>EXPIRY DATE</u>
MEGA 1	301053	20	JUNE 13, 1995
MEGA 2	301043	20	JUNE 13, 1995
BOOT 1	209404	20	MAY 5, 1993
BOOT 2	209405	20	MAY 6, 1993
BOOT 3	209406	20	MAY 6, 1993
BOOT 4	209407	20	MAY 7, 1993
BOOT 5	209408	20	MAY 8, 1993
BOOT 6	209409	20	MAY 8, 1993
BOOT 7	209410	10	MAY 8, 1995
BOOT 8	209411	4	MAY 8, 1993
GOLD 1	304584	20	SEPT. 16, 1993
GOLD 2	304585	12	SEPT. 14, 1993
GOLD 3	304586	20	SEPT. 14, 1993
GOLD 4	304587	20	SEPT. 14, 1993
GOLD 5	304588	20	SEPT. 17, 1995
GOLD 6	304589	20	SEPT. 16, 1995
GOLD 7	304590	20	SEPT. 17, 1995
GOLD 8	304591	20	SEPT. 16, 1995
TOTAL UNITS		326	

1.4 HISTORY AND PREVIOUS EXPLORATION

The earliest record of exploration in the area dates to the early 1930's when prospectors followed float to exposures of narrow pyrite, chalcopyrite and gold-bearing zones associated with diorite or feldspar porphyry dykes a few kilometres south of the claims. The porphyry copper potential of the area was recognized in the 1960's. Since that time, most exploration activities have been concentrated on the Fish Lake deposit, 10 kilometres to the south and to a much lesser extent, on the Scum Lake deposit 15 kilometres to the north. The Fish Lake deposit is now in an advanced stage of definition drilling. This deposit may prove to be the largest tonnage, copper porphyry deposit in Canada with reserves in excess of 750 million tonnes at a grade of approximately 0.9% copper equivalent (approximately 0.34% copper and 0.02 ounces of gold/tonne).

VALERIE GOLD RESOURCES LTD.

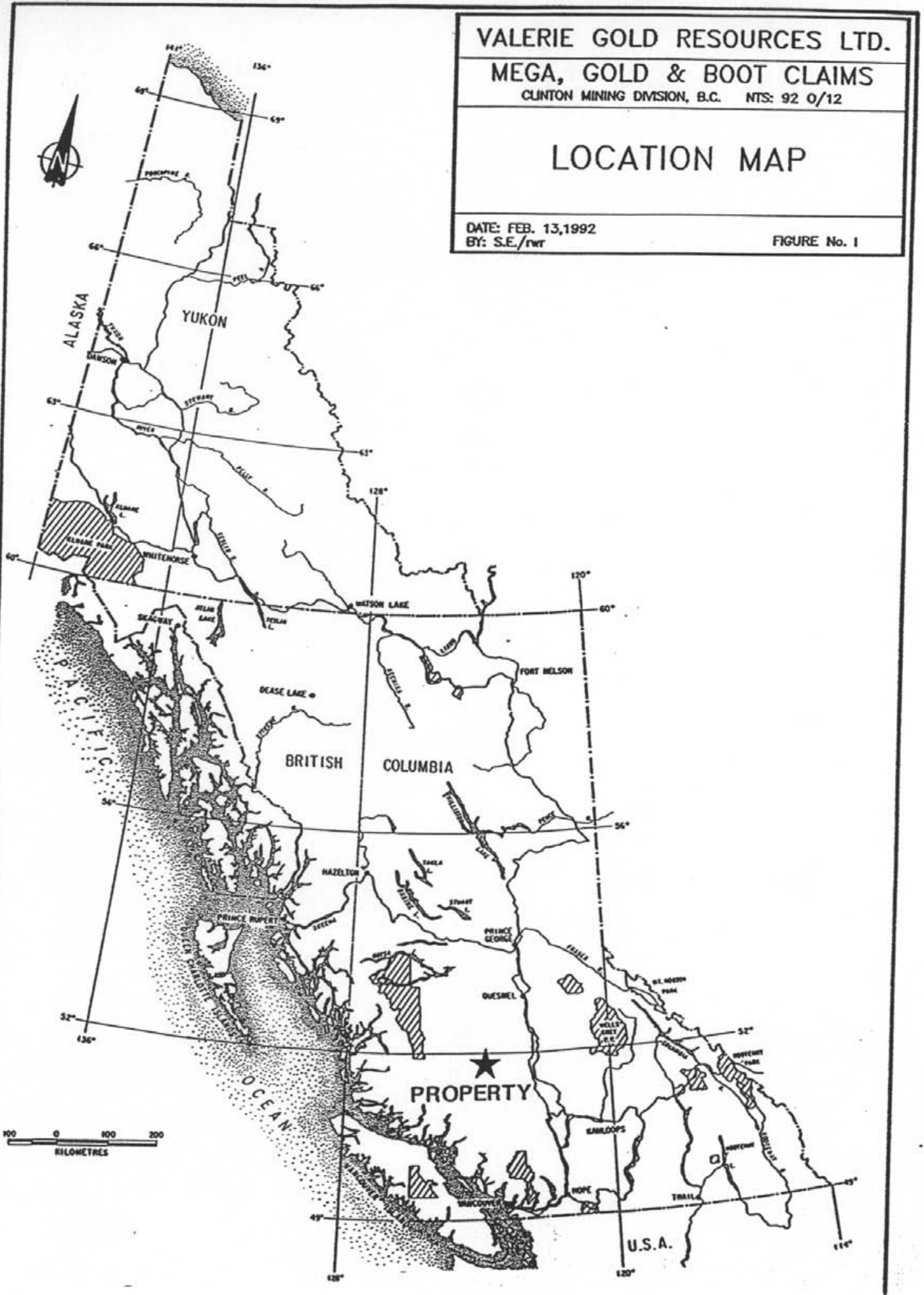
MEGA, GOLD & BOOT CLAIMS

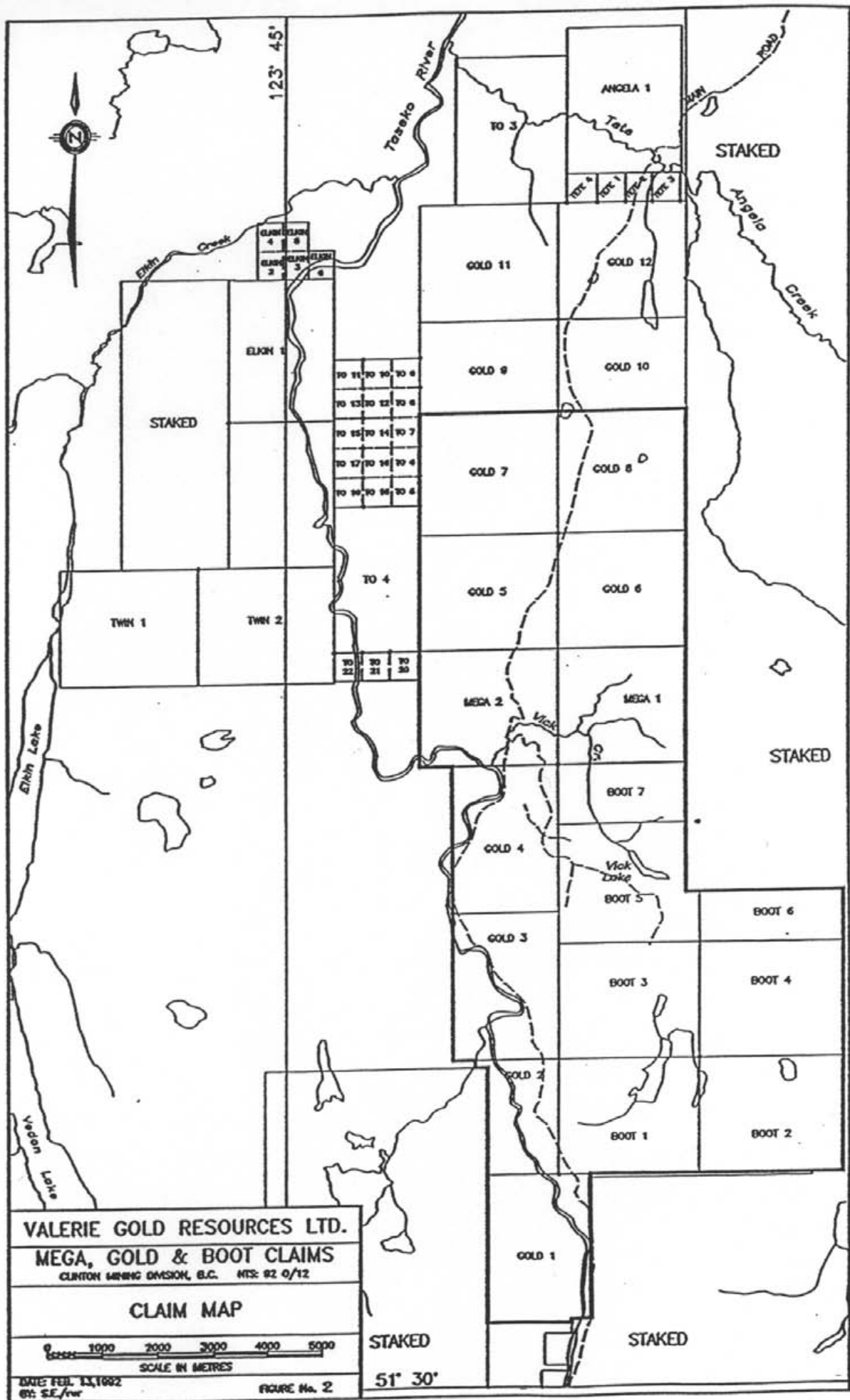
CLINTON MINING DIVISION, B.C. NTS: 92 0/12

LOCATION MAP

DATE: FEB. 13, 1992
BY: S.E./rwr

FIGURE No. 1





VALERIE GOLD RESOURCES LTD.
 MEGA, GOLD & BOOT CLAIMS
 CLINTON MINING DIVISION, B.C. HTS: 82 0/12

CLAIM MAP

Scale 1000 2000 3000 4000 5000
 SCALE IN METRES

DATE: FEB 13, 1992
 BY: S.E./rwr

STAKED
 51° 30'

FIGURE No. 2

In 1984, the area now covered by the Mega, Boot, and Gold claims was staked by Brinco Mining Limited. In late 1984, Brinco contracted an aeromagnetic and VLF electromagnetic survey, consisting of 1,162 line kilometres of data collection, over their claims. At the same time, they contracted a geological and geochemical survey on selected portions of the property. In 1985, Brinco did additional geochemical sampling, ground magnetometer and VLF-EM surveys to complement and aid in the geological and structural interpretations. This work was followed by percussion drilling of the highest priority targets. Four, downhole hammer percussion drill holes were completed for a total of 492 metres of drilling.

The property was eventually allowed to lapse and the ground remained open until 1991. The area was restaked in 1991 by a number of individuals and private companies, following an announcement by Taseko Mines Ltd. of its plan to complete a major drill program over the nearby Fish Lake deposit.

1.5 WORK DONE BY VALERIE GOLD RESOURCES LTD., IN 1991:

In 1991, Valery Gold Resources Ltd. purchased, optioned and staked the 18 modified grid claims that comprise the present property. From August to December of 1991 Valerie carried out the following work over the property.

- 1) Prospecting and reconnaissance mapping was carried out over the entire property.
- 2) A reconnaissance ground magnetometer survey was carried out over the MEGA 1 & 2 claims.
- 3) Reconnaissance soil sampling was carried out over the MEGA 1 & 2 claims.
- 4) A reconnaissance induced polarization survey was carried out along existing roads and cut lines on the property.

2.0 REGIONAL GEOLOGY

The Taseko River area is located near the northeastern erosional edge of rocks forming part of the Tyaughton Trough (Jeletsky and Tipper, 1968) and lies at the east end of a belt of east-trending folds, faults and feldspar porphyry dykes (Tipper, 1963). The Tyaughton Trough, a mid-Jurassic to late Cretaceous successor basin, contains both marine and non-marine sedimentary and volcanic rocks. The last major marine transgression occurred in early Cretaceous time. During the remainder of the Cretaceous, continental sedimentation and volcanism were dominant, accompanied by transcurrent movement on the northwest-trending Yalakom Fault. Structures related to the Yalakom Fault may have provided controls important in the localization of mineral deposits in the region.

The regional geology of the Taseko River area was compiled by Tipper in 1978. An older basement of Middle Jurassic granodiorite occurs in scattered outcrops throughout the region. Overlying folded sedimentary and volcanic strata were assigned to the Upper Cretaceous Kingsvale Group. Units within this Group were intruded in various places by Eocene felsic igneous rocks. The area was later capped by Miocene to Holocene basalts (Mathews and Rouse, 1984), and subsequently further covered by variable thicknesses of glacial till and river gravels.

Tipper (1978) mapped a series of arcuate, normal faults trending NNW along the Taseko River. He considered these faults to be relatively recent (i.e. post-Eocene), and later than the main transcurrent movement on the Yalakom Fault system. These faults are evident along the western portion of the present claim block.

2.1 PROPERTY GEOLOGY

Exposures of bedrock on the property is minimal, probably less than one per cent. Rock types in the area can be broadly classified, irrespective of age, into basalt flows, andesitic pyroclastics, andesitic flows, andesitic breccias, quartz diorites, sandstones, greywackes, and siltstones. Hydrothermally altered equivalents of the above types are observed locally.

The youngest rocks in the area are areally extensive, flat-lying crystalline, highly vesicular Miocene basalt flows which created tableland plateau topography. Most of MEGA 2 and the western portion of MEGA 1 appear to be underlain by a complex series of volcanic andesites and pyroclastics of pre-Miocene age. In the central portion of MEGA 2, these volcanics are locally overlain by Miocene age vesicular basalts. In Vick Creek valley, which divides the MEGA claims into north and south halves, a sequence of Kingsvale volcanics and minor

sediments is exposed in the dissected valley. Near the southern border of the Boot claims a contact between sediments, to the north, and a quartz diorite intrusive, to the south was observed. The intrusive shows weak propylitic alteration, with secondary chlorite, silicification, and minor pyrite. The sediment-intrusive contact is marked by a narrow band of hornfelse.

Two days were spent prospecting along the claim line of the Angela 1 claim. Flat lying crystalline, highly vesicular Miocene basalt flows cover a triangular area formed by connecting the southeastern, northeastern and northwestern corners of the claims. The triangular area formed by connecting the southeastern, northwestern and southwestern corners of the claims is underlain by Kingsvale sediments. Tete Angela Creek crosses the claims from east to west and offers an excellent view of the claim's stratigraphy.

3.0 EXPLORATION CONCEPT AND DISCUSSION

The exploration objective of the present project is to discover a disseminated Au deposit in Cretaceous Kingsvale Group sediments and volcanics or a Cu/Au porphyry type deposit near an intrusive contact. Examples of the former are the Round Mountain and Borealis deposits in Nevada, and an example of the latter is the Fish Lake deposit ten kilometres to the south.

Both of these targets owe their origin to hydrothermal systems. Such hydrothermal systems have characteristic alteration and geochemical dispersion patterns which serve as indicators for locating the precious metal concentrations. Because of their great areal extent, these indirect indicators of mineralization are often considered more diagnostic of the mineral bearing system than the presence of precious or base metal anomalies.

The important alteration types are propylitic, argillic, and silicic. Propylitic alteration is characterized by chlorite development and is usually the most pervasive throughout the mineralization. Argillic is characterized by clay mineral development and is caused by hydrothermal fluids at or close to the boiling point. This alteration usually indicates proximity to a vent system. Silicic alteration is the flooding of the host rock by quartz usually in the form of chalcedony (microcrystalline silica) along microfractures or in rocks of high porosity and permeability. Silicification, which can be mixed with the argillic alteration, occurs just above the precious metal mineralization.

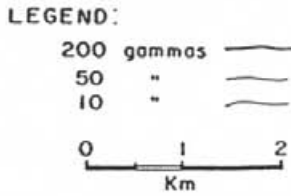
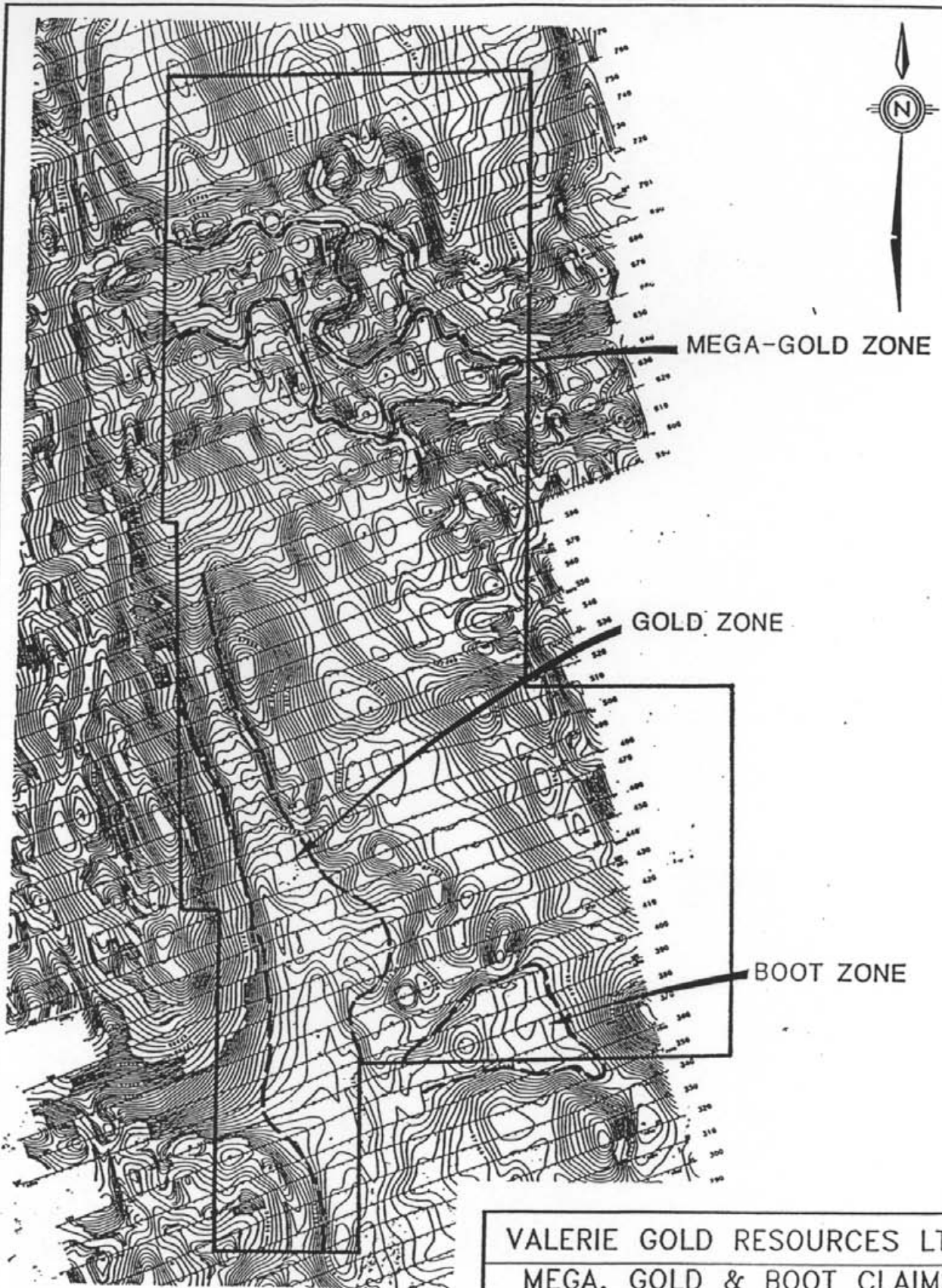
Distinctive trace elements around hydrothermal deposits are the same elements characteristic of epithermal systems: As, Sb, Hg, and Tl. Other indicator elements are Ba, Cu, Fe, Mn, Mo, Pb, and Zn. Determinations of Au concentrations are usually considered unreliable in glaciated terrane.

4.0 GEOPHYSICS:

4.1 Magnetometer Surveys:

In late 1984, Brinco contracted an aeromagnetic and VLF electromagnetic survey, consisting of 1,162 line kilometres of data collection, over their Taseko property. The area surveyed included the area of the present Mega, Boot and Gold claims. The results of the survey outlined three areas which have magnetic signatures similar to that found over the Fish Lake deposit. 1) A five kilometre long, east-west trending, magnetic low covered by the MEGA 1, MEGA 2 and Gold 6 claims is believed to be a buried intrusive. 2) A long, linear, magnetic trend striking north-northwest and covered by the Gold 1 to 4 claims may represent a hydrothermally altered shear zone. This linear feature is displaced and interrupted, at several locations, by northeast trending features believed to be faults. 3) A large magnetic low on the north side of the Cone Hill intrusive may represent an area of hydrothermal alteration. This area is presently covered by the Boot claims (Figure 3).

In September 1991 Valerie Gold Resources Ltd. contracted a reconnaissance ground magnetometer survey over the MEGA 1 and 2 claims. Readings were taken at 25 metre intervals along 200 or 400 metre spaced east-west lines. The results of this survey located and confirmed the existence of the large magnetic low defined by the Brinco airborne survey.



VALERIE GOLD RESOURCES LTD.
 MEGA, GOLD & BOOT CLAIMS
 CLINTON MINING DIVISION, B.C. NTS: 92 0/12

TOTAL FIELD MAGNETIC MAP

DATE: FEB. 13, 1992
 BY: A.T./rwr

FIGURE: 3

5.0 GEOCHEMISTRY:

In September 1991 Valerie Gold Resources Ltd. contracted a reconnaissance soil sampling survey over the MEGA 1 and 2 claims. Samples were taken at 400 metre intervals along the 400 metre spaced east-west magnetometer lines. The purpose of this sampling program was to identify any significant geochemical signatures across the area covered by the aeromagnetic survey.

Samples were collected, whenever possible, from the 'B' soil horizon. Generally, the soil development is good in the flat timbered areas and poor in stream cut valleys and moist area; nonetheless, the desired horizon was generally available and easy to identify. Samples were collected using a prospector's mattock and placed into Kraft, wet-strength paper envelopes. After air drying for several days the samples were boxed and shipped to Chemex Labs. in North Vancouver, B.C. A total of 60 soils and two HMC samples were collected.

At Chemex Labs. Ltd., the samples were analyzed for 32 elements using the I.C.P. technique for both the soils and the HMC samples. In addition, gold was analyzed by standard atomic absorption after pre-concentration by Fire Assay extraction for the soil samples.

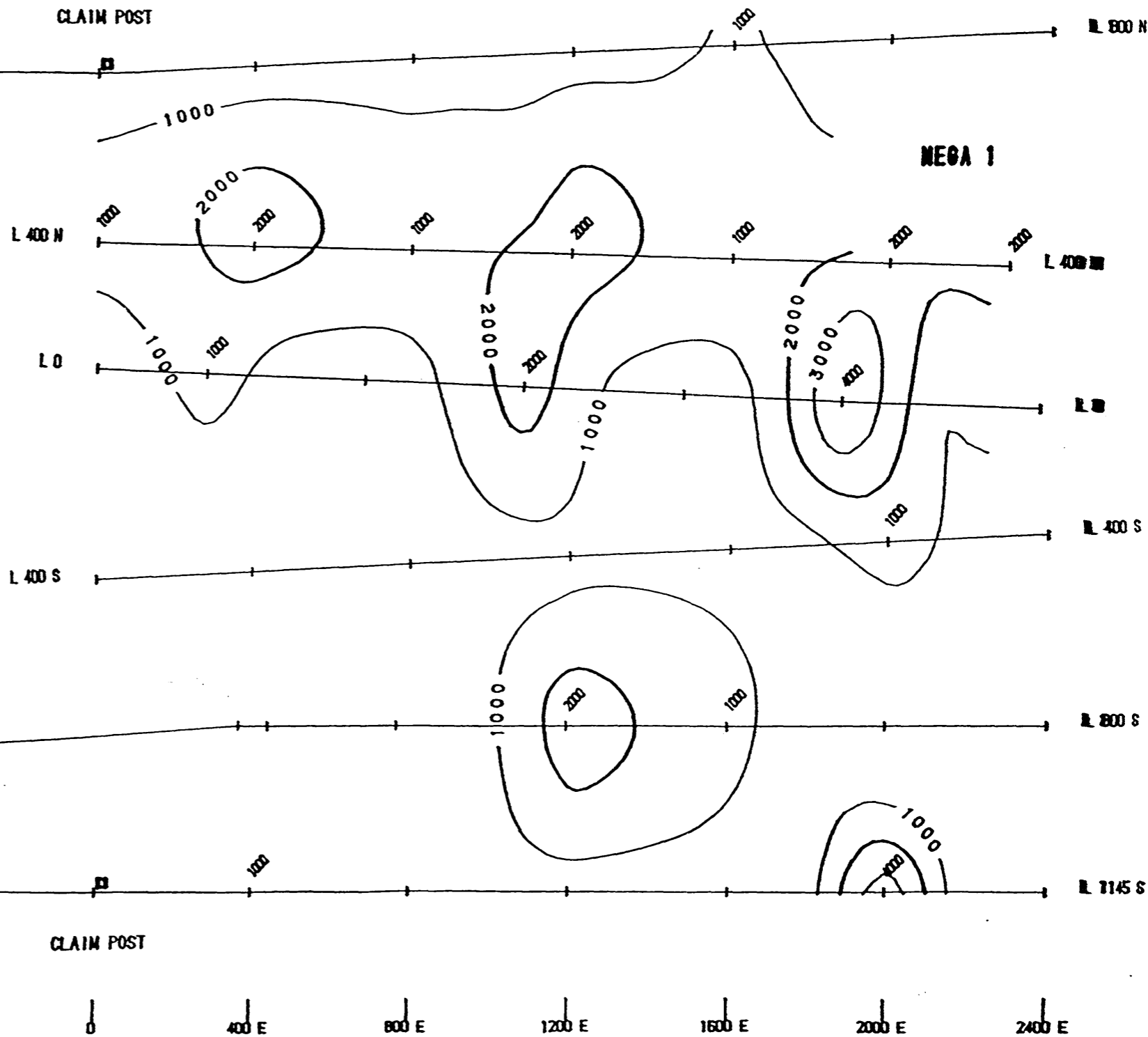
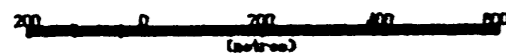
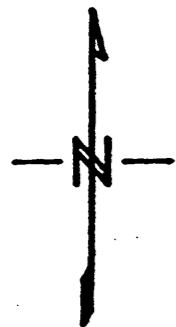
The results of this survey are showed on Figure 4 with copies of the assay certificate presented in Appendix 1. The geochemical work identifies an extensive mercury soil anomaly as defined by the 1,000 ppb contour. The anomaly is centred over the magnetic low and locally carries anomalous arsenic values. The anomaly extends beyond the soil grid both to the east and west.

2400 W 2000 W 1600 W 1200 W 800 W 400 W 0 400 E 800 E 1200 E 1600 E 2000 E 2400 E

CLAIM POST

MEGA 2

MEGA 1



VALERIE GOLD RESOURCES LTD.

GEOCHEMICAL SURVEY
MERCURY SOIL RESULTS
Hg > 1000 ppb

MEGA CLAIM GROUP
TASEKO LAKE AREA
CLINTON M.D., B.C.
SEPTEMBER 1991

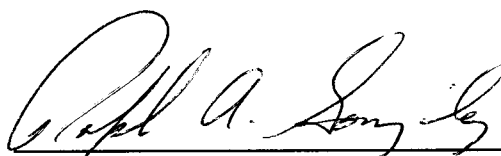
Figure No. 4 N.T.S. 92 0/12
ADDER EXPLORATION & DEVELOPMENT LTD.

6.0 DISCUSSIONS AND CONCLUSIONS:

The results of work completed to date over Valerie's MEGA, GOLD and BOOT property may be summarized as follows:

- 1) The property is located over an area of favourable geology situated between the Fish Lake porphyry Cu-Au deposit and the Scum Lake porphyry Cu-Au deposit.
- 2) A low level airborne magnetometer survey has defined three extensive magnetic lows over the claims. The magnetic signature of these zones is believed to be representative of magnetic mineral destruction caused by hydrothermal alteration that can accompany the emplacement of epithermal gold and porphyry Cu-Au deposits.
- 3) A percussion drill program completed by Brinco in 1985 intersected intense, pervasive epithermal alteration along a magnetic low situated just 2,000 metres west of the present property. The alteration was comprised of intense silica-kaolinite altered quartz diorite porphyry, containing disseminations, stringers and patches of realgar and pyrite.
- 4) A reconnaissance ground magnetometer survey completed by Valerie in 1991 located and confirmed the existence of the large magnetic low defined by the Brinco airborne survey.
- 5) At the same time as the ground magnetic survey a reconnaissance soil sampling survey was completed and discovered an extensive mercury and arsenic soil anomaly centred over a five km long magnetic low on the MEGA 1, MEGA 2 and GOLD 6 claims. Both elements are well known pathfinders for epithermal gold mineralization.

Respectfully submitted at Vancouver, British Columbia,



Ralph A. Gonzalez, MSc., F.G.A.C.

7.0 REFERENCES:

- Butterworth, B.P., Epp, W.R., 1985; Geology, Geochemistry, Geophysics and Percussion Drilling of the Taseko Claims, Southwestern British Columbia: Unpubl. Assessment Report, B.C. Dept. of Mines and Petroleum Resources File No. 14,159.
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8.0 COST STATEMENT

**Valarie Gold Resources Ltd.
and
Dauntless Developments Ltd.
Taseko Area Properties
9 September - 20 December 1991**

Prospecting, Geological and Geochemical Surveys

FOOD & ACCOMMODATION: 3 pers, 10mdays @ \$40.92	\$ 409.15
SUPPLIES AND SUNDRY:	1,163.74
FUEL:	97.59
SHIPMENTS:	60.83
FIXED WING: Air Canada, 2 Wms Lk Rtns	749.56
RENTALS:	
HLE, Field Equipment 10mdays @ \$10	\$ 100.00
Adder, 4wd Jimmy 9days @ \$94.94	854.48
Jerry's Auto Centre, Aerostar 2days	<u>229.07</u>
	1,183.55
DRAFTING:	444.15
CONTRACTORS:	
Adder Exploration and Developments Ltd.	3,300.00
Archean Engineering Ltd.	1,391.00
FEES:	1,000.00
ASSAYS & ANALYSES: Chemex Labs	
60 Soil for 32-element ICP @ \$8.69	521.52
60 pulp for Au @ \$7.50	481.50
2 HMC for 32-element ICP @ \$14.72	29.43
REPORT PREPARATION:	<u>1,806.50</u>
TOTAL COST PROSPECTING, GEOLOGY, GEOCHEMISTRY:	\$ <u>12,638.52</u>

Geophysical Surveys

CONTRACTOR: P.E. WALCOTT & ASSOCIATES		
Magnetometer, 30 lkm	\$ 10,422.78	
Report and Drafting	<u>1,687.13</u>	\$ 12,109.91
I.P., 59.9 lkm	61,321.80	
Report and Drafting	<u>3,377.99</u>	<u>64,699.79</u>
TOTAL COST GEOPHYSICS:		\$ <u>76,809.70</u>

Cost Summary

Prospecting, Geological and Geochemical Surveys	\$ 12,638.52
Geophysical Surveys	<u>76,809.70</u>
GRAND TOTAL:	\$ <u>89,448.22</u>

Soil only in this report B2500

T.K.

AR 22254

9.0 CERTIFICATE:

I, **Ralph A. Gonzalez**, do hereby certify that:

1. I am a geologist and reside at 2784 Lawson Ave., West Vancouver, British Columbia.
2. I am a graduate of the University of New Mexico, U.S.A. with a B.Sc. in geology (1965) and a M.Sc. in geology (1968).
3. I have practiced my profession, since 1965, in Canada, North and South America, and Asia as indicated on the following page.
4. I am a Fellow in the Geological Association of Canada, Registration Number 4523.
5. I am a registered member of the Association of Professional Engineers of the Province of Manitoba, Registration Number 3970.
6. I have based this Report on work done by myself or under my supervision. I was physically on the property for the purpose of geologic mapping and supervision on September 18th to 26th, 1991, inclusive. Information obtained from the Geological Survey of Canada, B.C. Dept. of Mines, and engineering reports and other support documents provided by Valerie Gold Resources Ltd. were also used as background and reference data.
7. I have no past or present, direct or indirect interest in any of the listed Mineral Claims.
8. This report may be used by **VALERIE GOLD RESOURCES LTD.** or their agents for a Statement of Material Facts or Shareholders' newsletter, etc. either in whole or in part.

Dated at Vancouver, British Columbia, this 22th day of June, 1992.



R.A. Gonzalez, M. Sc., P. Eng., F.G.A.C.

10.0 STATEMENT OF QUALIFICATIONS:

R.A. Gonzalez, M. Sc., P. Eng., F.G.A.C.

ACADEMIC:

1965 B.Sc. in Geology The University of New Mexico,
USA.

1968 M.Sc. in Geology The University of New Mexico,
USA.

PROFESSIONAL:

1984 to
present Adder Exploration & Dev. Ltd. President

1983-1984 Archean Engineering Limited Overseas Manager

1980-1983 Placer Development Y Cia Ass't. Exploration
Ltd. (Chile) Manager

1977-1980 Consultant attached to the Ass't. Project Manager
Geol. Survey of Malaysia on a CIDA supported
mineral exploration
survey in Peninsular
Malaysia

1977 Registered with the
Association of Professional
Engineers of the Province
of Manitoba

1975-1977 Province of Manitoba Resident Geologist for
the Manitoba Dept. of
Mines

1971-1975 Giant Mascot Mines Ltd. Senior Geologist

1970-1971 New Jersey Zinc (Canada) Exploration Geologist
Ltd.

1968-1970 Anaconda American Brass Research Geologist
Ltd.

1965-1966 Mex-Tex Mining Co. (USA) Geologist

APPENDIX 1

CHEMEX LABS LTD. ASSAY CERTIFICATES



Chemex Labs Ltd.

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

HUGHES LANG EXPLORATIONS LTD.

1000 - 1177 W. HASTINGS ST.
VANCOUVER, BC
V6E 2K3

*ANALYST
E.L.K.I.N.*

A9122663

Comments: CC: RALPH GONZALEZ

CERTIFICATE

A9122663

HUGHES LANG EXPLORATIONS LTD.

Project:
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-OCT-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
235	2	Pan con ring to approx 150 mesh
233	2	Assay AQ ICP digestion charge

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
922	2	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	2	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	2	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	2	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	2	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	2	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	2	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	2	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	2	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	2	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	2	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	2	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	2	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	2	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	2	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	2	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	2	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	2	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	2	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	2	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	2	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	2	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	2	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	2	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	2	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	2	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	2	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	2	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	2	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	2	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	2	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	2	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

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

HUGHES LANG EXPLORATIONS LTD.

1000 - 1177 W. HASTINGS ST.
VANCOUVER, BC
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Project :
Comments: CC: RALPH GONZALEZ

CERTIFICATE OF ANALYSIS

A9122663

SAMPLE DESCRIPTION	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
EMC 165522	235	233	3.4	2.98	15	240	< 0.5	38	1.89	< 0.5	24	180	32	9.92	70	1	0.23	30	1.72	965	1
EMC 26548	235	233	3.6	1.83	< 5	60	< 0.5	130	1.04	< 0.5	58	504	29	>15.00	70	< 1	0.01	50	2.00	3090	< 1

CERTIFICATION:

B. Coughlin



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British Columbia, Canada V7J 2C1
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CERTIFICATE OF ANALYSIS A9122663

SAMPLE DESCRIPTION	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
EMC 165522	235	233	0.27	87	860	4	5	11	131	0.67	20	< 10	313	30	116
EMC 26548	235	233	0.11	159	770	8	10	19	56	4.57	< 10	170	1375	50	370

CERTIFICATION: B. Coughlin



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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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MEGA

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CERTIFICATE

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HUGHES LANG EXPLORATIONS LTD.

Project:
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-OCT-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	56	Dry, sieve to -80 mesh
203	4	Dry, sieve to -35 mesh
205	4	Geochem ring to approx 150 mesh
298	60	ICP - AQ Digestion charge

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
922	60	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	60	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	60	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	60	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	60	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	60	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	60	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	60	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	60	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	60	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	60	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	60	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	60	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	60	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	60	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	60	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	60	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	60	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	60	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	60	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	60	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	60	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	60	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	60	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	60	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	60	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	60	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	60	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	60	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	60	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	60	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	60	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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CERTIFICATE OF ANALYSIS

A9122662

SAMPLE DESCRIPTION	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
164533	201 298	< 0.2	1.73	< 5	160	< 0.5	< 2	0.85	< 0.5	11	30	22	3.49	< 10	2	0.08	10	0.89	2090	< 1
165522	201 298	< 0.2	1.77	5	150	< 0.5	< 2	0.95	< 0.5	10	37	33	3.29	< 10	< 1	0.10	10	0.95	480	< 1
166533	201 298	< 0.2	1.60	5	80	< 0.5	2	0.92	< 0.5	10	31	25	3.08	< 10	< 1	0.10	< 10	0.94	355	< 1
262548	201 298	< 0.2	0.97	10	80	< 0.5	2	0.49	< 0.5	17	55	19	5.25	< 10	< 1	0.04	< 10	1.31	475	< 1
267542	201 298	< 0.2	1.63	5	200	< 0.5	2	0.90	< 0.5	11	34	24	3.07	< 10	< 1	0.12	10	0.89	970	< 1
271534	201 298	< 0.2	1.58	< 5	180	< 0.5	< 2	0.85	< 0.5	12	35	22	3.11	< 10	< 1	0.12	10	0.89	460	< 1
LO 00+00E	203 205	< 0.2	2.22	< 5	120	< 0.5	2	0.47	< 0.5	9	71	20	3.07	< 10	< 1	0.17	10	0.48	330	< 1
LO 04+00E	201 298	< 0.2	2.48	< 5	130	< 0.5	< 2	0.38	< 0.5	8	45	16	3.03	< 10	1	0.14	< 10	0.46	500	< 1
LO 08+00E	201 298	< 0.2	1.75	< 5	100	< 0.5	< 2	0.36	< 0.5	10	40	18	2.91	< 10	< 1	0.16	< 10	0.44	240	< 1
LO 12+00E	201 298	< 0.2	1.75	< 5	80	< 0.5	2	0.32	< 0.5	12	61	20	3.72	< 10	2	0.08	< 10	0.41	310	< 1
LO 16+00E	201 298	< 0.2	1.60	10	110	< 0.5	2	0.33	< 0.5	6	37	14	2.46	< 10	< 1	0.08	< 10	0.31	230	< 1
LO 20+00E	201 298	< 0.2	2.23	15	80	< 0.5	< 2	0.39	< 0.5	7	45	14	2.79	< 10	4	0.10	< 10	0.44	300	< 1
LO 24+00E	201 298	< 0.2	2.40	< 5	90	< 0.5	4	0.64	< 0.5	8	43	16	3.03	< 10	< 1	0.04	< 10	0.49	260	< 1
L4N 00+00E	201 298	< 0.2	3.17	< 5	200	< 0.5	< 2	0.42	< 0.5	9	43	17	2.91	< 10	1	0.13	< 10	0.53	510	< 1
L4N 04+00E	201 298	< 0.2	2.78	30	130	< 0.5	2	0.37	< 0.5	9	50	16	3.17	< 10	2	0.11	< 10	0.45	510	< 1
L4N 08+00E	201 298	< 0.2	1.84	10	110	< 0.5	< 2	0.35	< 0.5	7	40	19	2.73	< 10	1	0.09	< 10	0.37	250	< 1
L4N 12+00E	201 298	< 0.2	1.71	< 5	80	< 0.5	4	0.32	< 0.5	10	47	18	3.33	< 10	2	0.12	< 10	0.49	245	< 1
L4N 16+00E	201 298	< 0.2	1.80	15	110	< 0.5	2	0.61	< 0.5	9	37	26	3.20	< 10	1	0.07	< 10	0.83	325	< 1
L4N 20+00E	201 298	< 0.2	1.43	10	70	< 0.5	< 2	0.89	< 0.5	9	32	31	2.95	< 10	2	0.04	10	1.07	220	< 1
L4N 23+00E	201 298	< 0.2	2.06	< 5	190	< 0.5	< 2	0.42	0.5	9	42	17	3.18	< 10	2	0.17	< 10	0.46	335	< 1
L4S 00+00E	201 298	< 0.2	1.69	< 5	100	< 0.5	4	0.55	< 0.5	7	33	14	2.61	< 10	< 1	0.21	< 10	0.51	320	< 1
L4S 04+00E	201 298	< 0.2	1.70	< 5	100	< 0.5	4	0.62	< 0.5	11	38	23	3.19	< 10	< 1	0.11	< 10	0.59	270	< 1
L4S 08+00E	201 298	< 0.2	1.87	5	90	< 0.5	< 2	0.41	< 0.5	13	38	23	3.36	< 10	< 1	0.17	< 10	0.68	345	< 1
L4S 12+00E	201 298	< 0.2	1.76	< 5	110	< 0.5	< 2	0.32	< 0.5	9	45	19	3.33	< 10	< 1	0.07	< 10	0.36	180	< 1
L4S 16+00E	201 298	< 0.2	2.71	5	150	< 0.5	< 2	0.41	< 0.5	12	40	17	3.25	< 10	< 1	0.13	< 10	0.50	415	< 1
L4S 20+00E	201 298	< 0.2	2.38	< 5	90	< 0.5	4	0.35	< 0.5	11	56	25	3.28	< 10	1	0.08	< 10	0.47	205	< 1
L4S 24+00E	201 298	< 0.2	2.30	5	110	< 0.5	< 2	0.35	< 0.5	8	46	18	2.86	< 10	< 1	0.05	< 10	0.45	190	< 1
BL7+50S L8S0+33E	203 205	< 0.2	2.23	10	130	< 0.5	< 2	0.86	< 0.5	6	67	19	3.16	< 10	< 1	0.09	10	0.67	250	< 1
L8N 00+00E	201 298	< 0.2	2.47	< 5	130	< 0.5	2	0.39	0.5	11	46	20	3.29	< 10	< 1	0.14	< 10	0.44	375	< 1
L8N 04+00E	201 298	< 0.2	2.93	10	150	< 0.5	< 2	0.32	< 0.5	14	50	24	3.62	< 10	< 1	0.11	< 10	0.66	440	< 1
L8N 08+00E	201 298	< 0.2	2.01	< 5	130	< 0.5	< 2	0.40	< 0.5	8	42	18	2.98	< 10	< 1	0.10	< 10	0.42	335	< 1
L8N 12+00E	201 298	< 0.2	1.73	10	90	< 0.5	2	0.33	< 0.5	9	43	16	2.56	< 10	< 1	0.10	< 10	0.36	235	< 1
L8N 16+00E	203 205	< 0.2	2.22	< 5	120	< 0.5	< 2	0.45	< 0.5	9	68	21	3.21	< 10	1	0.10	< 10	0.64	240	< 1
L8N 20+00E	201 298	< 0.2	2.47	10	150	< 0.5	< 2	0.45	< 0.5	16	46	21	3.54	< 10	< 1	0.11	< 10	0.63	855	< 1
L8N 24+00E	201 298	< 0.2	2.02	5	100	< 0.5	< 2	0.38	< 0.5	9	43	16	2.88	< 10	< 1	0.09	< 10	0.37	420	< 1
L8N 04+00W	201 298	< 0.2	2.79	< 5	130	< 0.5	4	0.46	< 0.5	13	56	24	3.63	< 10	3	0.17	10	0.59	390	< 1
L8N 08+00W	201 298	< 0.2	1.97	< 5	220	< 0.5	< 2	0.37	< 0.5	14	34	24	3.18	< 10	< 1	0.35	10	0.63	720	< 1
L8N 12+00W	201 298	< 0.2	2.87	10	240	< 0.5	< 2	0.45	< 0.5	9	37	17	3.11	< 10	< 1	0.20	10	0.52	415	< 1
L8N 16+00W	201 298	< 0.2	2.73	15	170	< 0.5	< 2	0.54	< 0.5	10	41	21	3.71	< 10	< 1	0.26	10	0.70	350	< 1
L8N 20+00W	201 298	< 0.2	2.35	5	130	< 0.5	2	0.45	< 0.5	9	49	17	3.29	< 10	2	0.18	< 10	0.51	325	< 1

CERTIFICATION:

B. Coughlin



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SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
164533	201 298	0.03	27	690	2	< 5	5	89	0.10	< 10	< 10	69	< 10	68
165522	201 298	0.03	31	610	4	< 5	5	86	0.11	< 10	< 10	69	< 10	80
166533	201 298	0.02	28	580	2	< 5	5	70	0.08	< 10	< 10	63	< 10	70
262548	201 298	0.02	71	450	< 2	< 5	4	46	0.20	< 10	< 10	140	< 10	72
267542	201 298	0.03	36	510	< 2	< 5	5	113	0.10	< 10	< 10	61	< 10	68
271534	201 298	0.03	39	460	< 2	< 5	5	115	0.12	< 10	< 10	65	< 10	62
LO 00+00E	203 205	0.03	25	260	2	< 5	7	60	0.18	< 10	< 10	76	< 10	62
LO 04+00E	201 298	0.02	31	360	< 2	< 5	5	38	0.21	< 10	< 10	68	< 10	144
LO 08+00E	201 298	0.02	26	140	2	< 5	4	38	0.15	< 10	< 10	56	< 10	56
LO 12+00E	201 298	0.02	46	340	4	< 5	6	33	0.24	< 10	< 10	73	< 10	88
LO 16+00E	201 298	0.01	21	250	< 2	< 5	4	40	0.17	< 10	< 10	56	< 10	62
LO 20+00E	201 298	0.02	26	280	4	< 5	4	35	0.21	< 10	< 10	66	< 10	90
LO 24+00E	201 298	0.03	24	190	2	< 5	6	50	0.17	< 10	< 10	56	< 10	56
L4N 00+00E	201 298	0.01	31	460	< 2	< 5	6	45	0.18	< 10	< 10	67	< 10	152
L4N 04+00E	201 298	0.02	31	360	4	< 5	5	35	0.20	< 10	< 10	71	< 10	112
L4N 08+00E	201 298	0.01	23	250	4	< 5	5	42	0.16	< 10	< 10	58	< 10	54
L4N 12+00E	201 298	0.01	32	240	8	< 5	5	35	0.17	< 10	< 10	61	< 10	56
L4N 16+00E	201 298	0.03	27	230	8	< 5	6	57	0.11	< 10	< 10	53	< 10	52
L4N 20+00E	201 298	0.03	33	350	< 2	< 5	4	71	0.10	< 10	< 10	46	< 10	48
L4N 23+00E	201 298	0.01	26	310	2	< 5	6	44	0.16	< 10	< 10	73	< 10	84
L4S 00+00E	201 298	0.02	13	240	8	< 5	4	49	0.13	< 10	< 10	50	< 10	50
L4S 04+00E	201 298	0.02	30	260	< 2	< 5	5	68	0.13	< 10	< 10	63	< 10	56
L4S 08+00E	201 298	0.02	30	250	< 2	< 5	5	40	0.16	< 10	< 10	56	< 10	62
L4S 12+00E	201 298	0.01	30	180	2	< 5	5	41	0.17	< 10	< 10	69	< 10	60
L4S 16+00E	201 298	0.01	34	570	2	< 5	5	40	0.16	< 10	< 10	70	< 10	128
L4S 20+00E	201 298	0.02	33	300	< 2	< 5	6	41	0.20	< 10	< 10	66	< 10	56
L4S 24+00E	201 298	0.01	27	270	< 2	< 5	5	40	0.19	< 10	< 10	61	< 10	78
BL7+50S L8S0+33E	203 205	0.05	17	150	4	< 5	6	79	0.17	< 10	< 10	60	< 10	46
L8N 00+00E	201 298	0.01	43	260	6	< 5	6	49	0.18	< 10	< 10	62	< 10	94
L8N 04+00E	201 298	0.01	42	520	6	< 5	5	30	0.15	< 10	< 10	69	< 10	112
L8N 08+00E	201 298	0.01	22	260	6	< 5	6	47	0.19	< 10	< 10	71	< 10	70
L8N 12+00E	201 298	0.01	28	210	4	< 5	5	34	0.17	< 10	< 10	56	< 10	66
L8N 16+00E	203 205	0.03	31	210	12	< 5	7	49	0.20	< 10	< 10	62	< 10	78
L8N 20+00E	201 298	0.01	50	670	6	< 5	4	38	0.16	< 10	< 10	52	< 10	152
L8N 24+00E	201 298	0.02	25	300	< 2	< 5	5	35	0.19	< 10	< 10	72	< 10	86
L8N 04+00W	201 298	0.02	35	380	6	< 5	7	47	0.23	< 10	< 10	77	< 10	122
L8N 08+00W	201 298	0.02	31	190	2	< 5	6	54	0.13	< 10	< 10	53	< 10	62
L8N 12+00W	201 298	0.01	23	390	8	< 5	6	75	0.17	< 10	< 10	70	< 10	104
L8N 16+00W	201 298	0.01	32	410	8	< 5	8	64	0.13	< 10	< 10	65	< 10	94
L8N 20+00W	201 298	0.01	27	400	4	< 5	5	61	0.21	< 10	< 10	70	< 10	88

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

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

HUGHES LANG EXPLORATIONS LTD.

1000 - 1177 W. HASTINGS ST.
 VANCOUVER, BC
 V6E 2K3

Page Number : 2-A
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 Certificate Date: 04-OCT-91
 Invoice No. : 19122662
 P.O. Number :

Project :
 Comments: CC: RALPH GONZALEZ

CERTIFICATE OF ANALYSIS A9122662

SAMPLE DESCRIPTION	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
L8N 24+00W	203	205	< 0.2	3.28	< 5	90	< 0.5	< 2	0.52	0.5	16	104	35	4.98	< 10	< 1	0.19	10	0.95	360	< 1
L8S 04+00E	201	298	< 0.2	2.76	< 5	180	< 0.5	< 2	0.41	< 0.5	9	36	12	2.84	< 10	< 1	0.11	< 10	0.43	710	< 1
L8S 04+75E	201	298	< 0.2	1.44	< 5	390	< 0.5	< 2	1.66	0.5	11	30	27	3.57	< 10	< 1	0.10	10	0.59	5990	< 1
L8S 08+00E	201	298	< 0.2	2.87	5	110	< 0.5	< 2	0.53	< 0.5	17	53	37	4.42	< 10	< 1	0.14	10	0.87	510	< 1
L8S 12+00E	201	298	< 0.2	2.01	< 5	160	< 0.5	< 2	0.33	< 0.5	9	44	17	3.11	< 10	2	0.12	< 10	0.34	280	< 1
L8S 16+00E	201	298	< 0.2	2.23	< 5	130	< 0.5	< 2	1.19	0.5	6	30	32	2.84	< 10	1	0.12	10	1.05	190	< 1
L8S 20+00E	201	298	< 0.2	2.18	< 5	130	< 0.5	< 2	0.37	< 0.5	12	38	22	3.42	< 10	< 1	0.10	< 10	0.57	515	1
L8S 24+00E	201	298	< 0.2	2.75	10	140	< 0.5	< 2	1.32	< 0.5	10	50	23	3.57	< 10	< 1	0.11	10	0.72	340	< 1
L8S 04+00W	201	298	< 0.2	2.76	10	200	< 0.5	< 2	0.68	< 0.5	10	32	17	3.17	< 10	< 1	0.21	10	0.66	560	1
L8S 08+00W	201	298	< 0.2	2.60	< 5	220	< 0.5	< 2	0.69	< 0.5	8	34	19	3.00	< 10	< 1	0.20	10	0.60	430	< 1
BL11+45S 00+00E	201	298	< 0.2	2.99	25	160	< 0.5	4	0.44	< 0.5	9	35	12	3.11	< 10	< 1	0.15	< 10	0.50	635	< 1
BL11+45S 04+00E	201	298	< 0.2	2.21	< 5	110	< 0.5	< 2	0.50	< 0.5	7	48	18	3.20	< 10	1	0.14	< 10	0.55	555	< 1
BL11+45S 04+75E	201	298	< 0.2	1.85	< 5	400	< 0.5	< 2	1.98	0.5	11	33	29	4.20	< 10	< 1	0.10	10	0.66	8660	< 1
BL11+45S 08+00E	201	298	< 0.2	1.82	10	140	< 0.5	< 2	0.38	< 0.5	7	33	14	2.51	< 10	< 1	0.10	< 10	0.33	410	< 1
BL11+45S 12+00E	201	298	< 0.2	3.07	30	280	< 0.5	< 2	0.40	< 0.5	8	46	31	3.54	< 10	< 1	0.21	10	0.40	265	< 1
BL11+45S 16+00E	201	298	< 0.2	1.79	< 5	70	< 0.5	< 2	0.41	< 0.5	5	34	10	2.04	< 10	< 1	0.06	< 10	0.42	160	1
BL11+45S 20+00E	201	298	< 0.2	2.49	< 5	110	< 0.5	< 2	0.46	< 0.5	13	53	29	3.81	< 10	4	0.07	< 10	0.81	350	< 1
BL11+45S 24+00E	201	298	< 0.2	2.53	5	100	< 0.5	< 2	0.41	< 0.5	11	51	26	3.53	< 10	< 1	0.06	< 10	0.61	235	< 1
BL11+45S 04+00W	201	298	< 0.2	2.13	< 5	210	< 0.5	< 2	0.46	0.5	9	35	15	2.89	< 10	< 1	0.24	10	0.52	395	< 1
BL11+45S 08+00W	201	298	< 0.2	2.44	5	250	< 0.5	< 2	0.61	< 0.5	8	42	17	3.06	< 10	< 1	0.30	10	0.60	495	< 1

CERTIFICATION:

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CERTIFICATE OF ANALYSIS

A9122662

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L8N 24+00W	203 205	0.03	68	610	8	< 5	11	49	0.24	< 10	< 10	63	< 10	110
L8S 04+00E	201 298	0.01	26	500	< 2	< 5	5	39	0.14	< 10	< 10	63	< 10	148
L8S 04+75E	201 298	0.03	25	1430	< 2	< 5	3	151	0.04	< 10	< 10	49	< 10	64
L8S 08+00E	201 298	0.02	58	360	2	< 5	8	58	0.14	< 10	< 10	65	< 10	54
L8S 12+00E	201 298	0.01	30	330	< 2	< 5	5	44	0.15	< 10	< 10	65	< 10	94
L8S 16+00E	201 298	0.03	25	380	< 2	< 5	5	83	0.11	< 10	< 10	50	< 10	62
L8S 20+00E	201 298	0.01	38	430	< 2	< 5	4	34	0.15	< 10	< 10	55	< 10	136
L8S 24+00E	201 298	0.03	25	120	< 2	< 5	8	87	0.15	< 10	< 10	70	< 10	54
L8S 04+00W	201 298	0.02	16	460	6	< 5	6	96	0.11	< 10	< 10	60	< 10	66
L8S 08+00W	201 298	0.01	22	450	< 2	< 5	6	96	0.13	< 10	< 10	67	< 10	80
BL11+45S 00+00E	201 298	0.01	22	590	< 2	< 5	5	43	0.16	< 10	< 10	78	< 10	122
BL11+45S 04+00E	201 298	0.02	32	380	6	< 5	6	41	0.21	< 10	< 10	68	< 10	124
BL11+45S 04+75E	201 298	0.03	24	1450	4	< 5	5	189	0.05	< 10	< 10	51	< 10	68
BL11+45S 08+00E	201 298	0.01	16	200	6	< 5	4	44	0.16	< 10	< 10	62	< 10	66
BL11+45S 12+00E	201 298	0.01	32	610	6	< 5	6	75	0.07	< 10	< 10	72	< 10	102
BL11+45S 16+00E	201 298	0.02	19	120	4	< 5	4	42	0.18	< 10	< 10	46	< 10	52
BL11+45S 20+00E	201 298	0.02	49	330	< 2	< 5	6	43	0.18	< 10	< 10	63	< 10	98
BL11+45S 24+00E	201 298	0.01	38	310	< 2	< 5	6	44	0.18	< 10	< 10	67	< 10	58
BL11+45S 04+00W	201 298	0.01	22	290	4	< 5	6	81	0.17	< 10	< 10	63	< 10	78
BL11+45S 08+00W	201 298	0.01	20	270	4	< 5	8	126	0.20	< 10	< 10	72	< 10	72

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B. Coughlin