

GEOCHEMICAL REPORT  
ON THE  
CONE HILL PROPERTY  
CLINTON MINING DIVISION, B.C.

ON BEHALF OF  
SULTAN MINERALS INC.

BY

A. G. TROUP, P.ENG  
ARCHEAN ENGINEERING LTD.

DECEMBER 1992

CLAIMS WORKED			
CLAIM NAMES	UNITS	RECORD NUMBERS	ANNIVERSARIES
JRG-1	20	311541	JULY 22
JRG-2	20	311542	JULY 23
JRG-4	1	311544	JULY 23

LOCATION:	50°22' North Latitude 120°52' West Longitude
OWNER:	Sultan Resources Ltd
OPERATOR:	Valerie Gold Resources Ltd.
CONTRACTOR:	Archean Engineering Ltd.
CONTRACTOR:	Walcott & Associates Geophysics Ltd.

G E O L O G I C A L B R A N C H  
A S S E S S M E N T R E P O R T

23,008

GEOCHEMICAL REPORT  
ON THE  
CONE HILL PROPERTY  
CLINTON MINING DIVISION, B.C.

**SUMMARY:**

The Cone Hill property of **SULTAN MINERALS INC.** is located 125 kilometres southwest of the city of Williams Lake. It is centred over the north end of the granitic intrusive that hosts the Fish Lake Cu-Au deposit five kilometres to the south.

In October of 1992 a reconnaissance geochemical survey was carried out over the west half of the property. Soil samples were taken at 100 metre intervals along 400 metre spaced east west trending lines. The results show extensive areas of elevated gold values with the strongest anomalies centred over areas of anomalous I.P. chargeability response.

These preliminary geochemical results are encouraging and suggest that the Cone Hill property may have potential for bulk tonnage disseminated mineralization similar to the nearby Fish Lake deposit. Additional work is warranted.

ii.

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**GEOCHEMICAL REPORT  
ON THE  
CONE HILL PROPERTY  
CLINTON MINING DIVISION, B.C.**

**1.0 INTRODUCTION:**

In October 1992, the writer was retained by Valery Gold Resources Inc. to plan and supervise a reconnaissance geochemical survey over the Cone Hill property of Sultan Minerals Inc. The work program was carried out between October 12 and October 17, 1992 by a two man crew working from a camp located three km north of the property.

**1.1 LOCATION AND ACCESS:**

The Cone Hill Property is located in central British Columbia at 51° 31'N, 123° 38' W (NTS 92 O/12E), 130 kilometres southwest of the city of Williams Lake (Figure 1). The claims cover an area of approximately 11 square kilometres. centred on Cone Hill approximately 2 kilometres east of the Taseko River (Figure 2).

A good quality, all-weather, graded gravel road connects the west edge of the property to B.C. Highway 20 at Hanceville, 75 kilometres to the north. Hanceville is approximately 95 kilometres, by paved highway, west of Williams Lake.

**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. Large areas of grassland occur around the alkali lakes and the flat drainages. These grasslands are used for cattle grazing.

The plateau is cut by the Taseko River drainage to the west, Fish Creek to the south and Tete-Angela Creek to the north. Cone Hill is the highest feature in the area with an elevation of approximately 1770 metres (5800 feet). Relief over most of the property is gentle but along the west edge of the property slopes of up to 30° occur along the 250 metre high bank along the Taseko River.

Tree cover is extensive over the property and consists mostly of lodgepole pine. The northwest quarter of the property was devastated by a forest fire some 30 years ago and second growth vegetation is extremely dense making movement through the forest difficult.

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 area was covered by the Wisconsin ice-sheet which flowed northeastward 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 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. Rock exposures account for less than 1% of the property and are confined to the flanks and crests of hills.

### **1.3 PROPERTY STATUS:**

The property is composed of two Modified Grid Claims, and 5 two post claims totalling 45 units (Figure 2). All claims were staked in 1992. The claim names, record numbers, number of units, 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>
JRG 1	311541	20	July 22, 1993
JRG 2	311542	20	July 23, 1993
JRG 3	311543	1	July 23, 1993
JRG 4	311544	1	July 23, 1993
JRG 5	311545	1	July 23, 1993
JRG 6	311546	1	July 23, 1993
JRG 7	311547	1	July 23, 1993

**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, 5 kilometres to the south and to a much lesser extent, on the Scum Lake deposit 25 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 reported preliminary reserves of 1.2 billion tonnes at a grade of 0.52% copper equivalent (0.23% copper and 0.012 ounces of gold/tonne).

In 1984, the area now covered by the Cone Hill Property 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 over three selected grids along the west side of Cone Hill. The results showed a series of low order gold soil anomalies over a 2 1/2 kilometre zone along the west side of the current property.

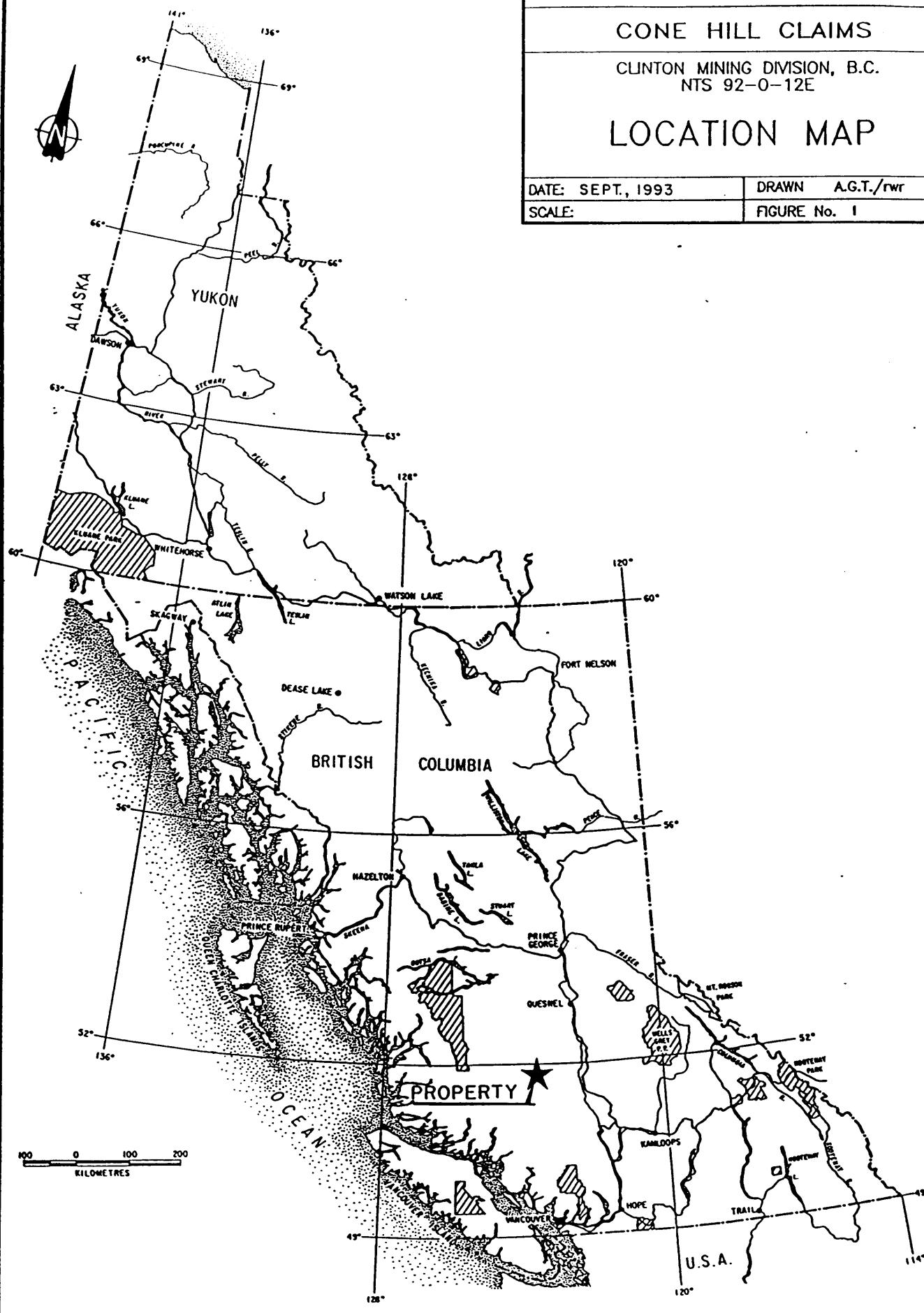
# SULTAN MINERALS INC.

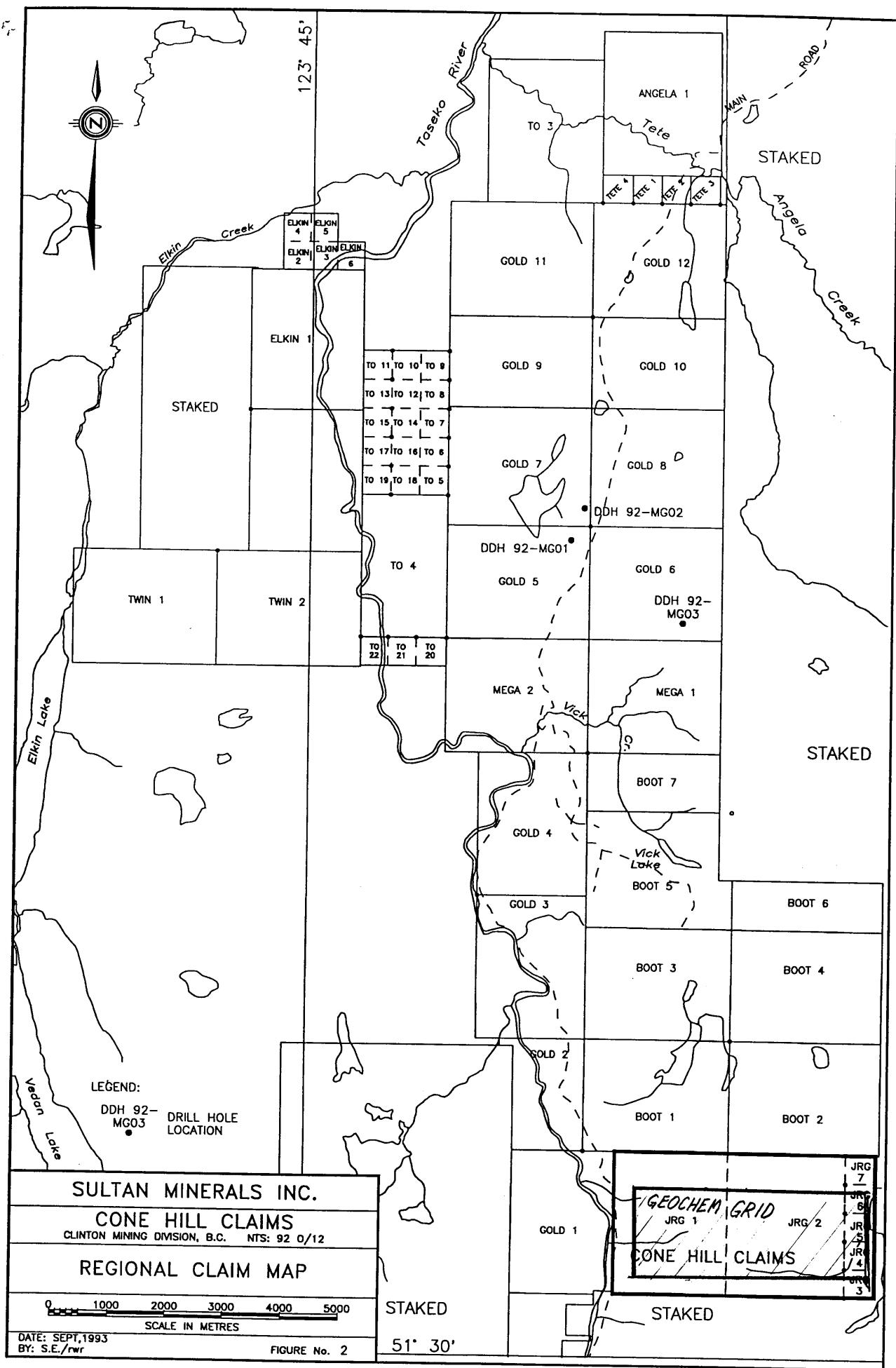
## CONE HILL CLAIMS

CLINTON MINING DIVISION, B.C.  
NTS 92-0-12E

## LOCATION MAP

DATE: SEPT., 1993	DRAWN A.G.T./rwr
SCALE:	FIGURE No. 1





The property was eventually allowed to lapse and the ground was acquired by Placer Dome Inc. in 1988. In 1989 Placer Dome carried out a detailed soil sampling survey over a 400 by 500 metre grid near the south west corner of the property. The soil results showed scattered anomalous gold values over the entire grid. Additional work was recommended but was never carried out and the claims lapsed in July 1992.

The present JRG claims were staked in July 1992 by Dan Gagne of Chase B.C. In September 1992 the property was purchased by Sultan Minerals Inc. Sultan immediately entered into a joint venture agreement with Valery Gold Resources Ltd whereby Valerie can earn a 60% interest in the property by incurring \$250,000 of exploration expenditures on the property.

#### **1.5 WORK DONE BY VALERIE GOLD RESOURCES LTD., IN 1992:**

The following field work was carried out by Valerie Gold Resources Ltd. during the period from September 30 to October 26, 1992:

- 1) A reconnaissance induced polarization survey was carried out over the west half of the property.
- 2) Reconnaissance soil sampling was carried out over the induced polarization grid.

#### **2.0 REGIONAL GEOLOGY:(STRATIGRAPHY AND TECTONIC SETTING)**

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.

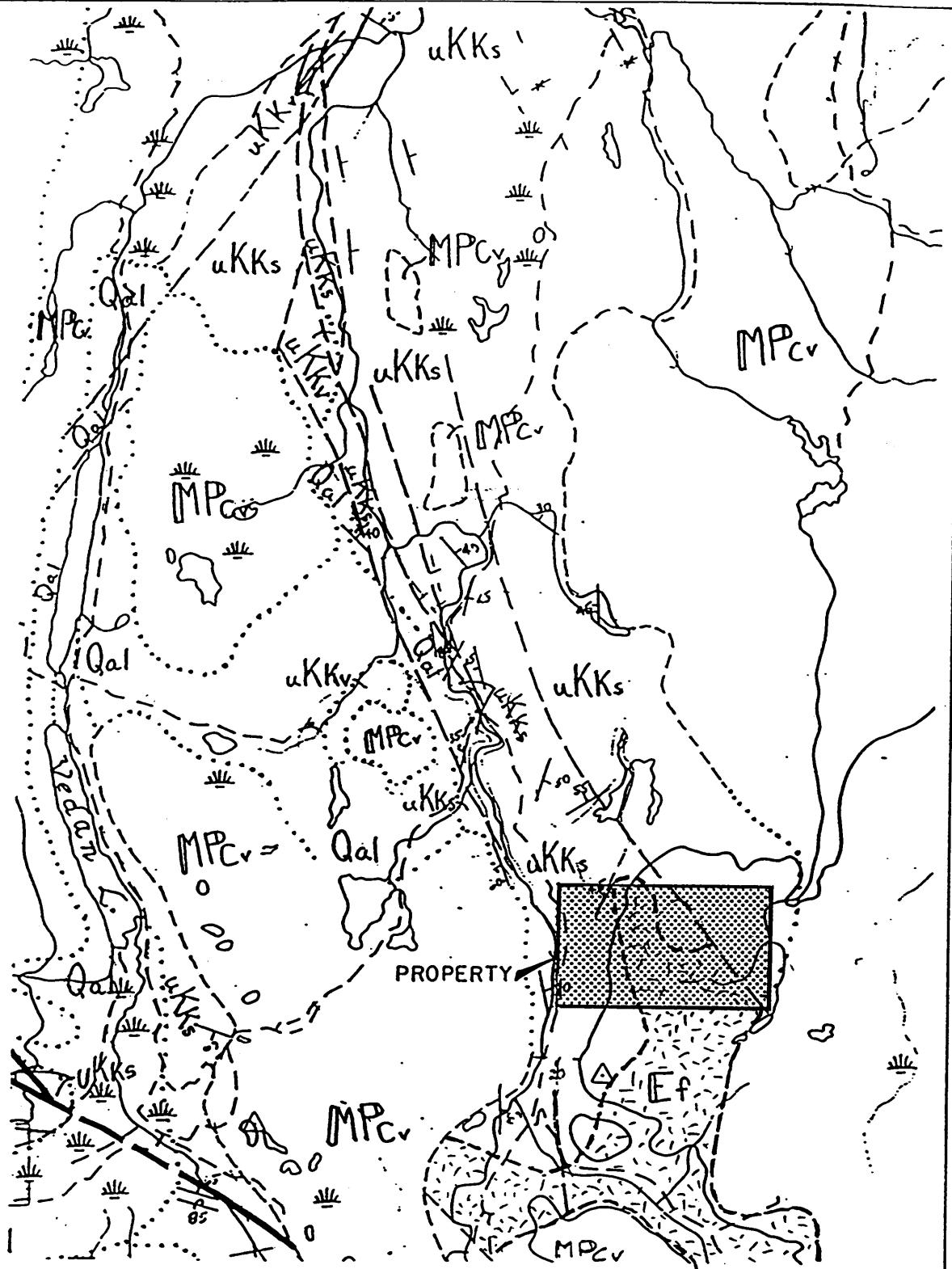
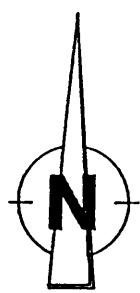
The regional geology of the Taseko River area was compiled by Tipper in 1978. An older basement of Middle Jurassic granodiorite occurs in scattered outcrops throughout the region. Overlying folded sedimentary and volcanic strata were assigned to the Upper Cretaceous Kingsvale Group. Units within this

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.

## 2.1 PROPERTY GEOLOGY:

Outcrop over 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, conglomerates, sandstones, greywackes, and siltstones. Hydrothermally altered equivalents of the above types are observed locally.

Mapping by Tipper (1978) shows the centre of the Cone Hill property to overlie the north end of the pluton that hosts the Fish Lake deposit (Figure 3). Geological observations made during the present program suggest that the Cone Hill intrusive consists of a quartz diorite body of variable composition. The west side of the property is underlain by conglomerates and siltstones believed to belong to the Kingsvale Group. The southwest portion of the property is underlain by andesite flows and pyroclastics which are also believed to belong to the Kingsvale Group. All of the above units are locally overlain by patches of Miocene age vesicular basalt. The intrusive locally shows weak propylitic alteration, with secondary chlorite, silicification, and minor pyrite. The sediment-intrusive contact is locally marked by a narrow band of hornfelse.



SULTAN MINERALS INC.

CONE HILL CLAIMS

CLINTON MINING DIVISION, B.C.  
NTS 92-0-12E

REGIONAL GEOLOGY

0 1 2 3 4 5 Km  
SCALE

AFTER TIPPER 1978 O.F.534

DATE: NOV., 1992

SCALE: 1:125,000

DRAWN A.G.T./rwr

FIGURE No. 3

# TASEKO LAKES (92 O)

LEGEND TO ACCOMPANY FIGURE 9

QUATERNARY  
PLEISTOCENE AND RECENT

**Qal** Till, gravel, sand, clay, and silts  
UPPER MIocene AND/OR PLIOCENE

CHILCOTIN GROUP

**MPCv** Olivene basalt, andesite; minor related tuff and breccia

UPPER CRETACEOUS (CENOMANIAN)  
KINGSVALE GROUP

**uKKv** Varicoloured andesitic, dacitic and basaltic pyroclastics;  
minor flows and volcanic sediments.

**uKKs** Interbedded siltstone, greywacke and conglomerate.

TERTIARY  
EOCENE

**Ef** Felsite, feldspar porphyry, biotite feldspar porphyry

"B" horizon, 30cm

### 3.0 GEOCHEMISTRY:

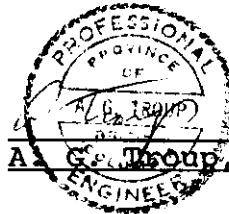
In September 1991 Valerie Gold Resources Ltd contracted a reconnaissance soil sampling survey over the Cone Hill property. Samples were taken at 100 metre intervals along the 400 metre spaced east-west induced polarization lines. All samples were placed in kraft paper envelopes and sent to Chemex Labs Ltd in North Vancouver, B.C. for analysis. In the laboratory the samples were analysed for gold by fire assay with an atomic absorption finish and for an additional 32 elements by standard I.C.P. methods.

Gold results are shown on Figure 4 at a scale of 1:5,000. The results show several extensive gold soil anomalies as defined by the 15 ppb contour. The highest gold values (up to 255 ppb) are centred over the areas of strongest I.P. chargeability response. The anomalies extend beyond the soil grid both to the east and west.

### 4.0 DISCUSSIONS AND CONCLUSIONS:

These preliminary geochemical results are extremely encouraging and suggest that the Cone Hill property may have potential for disseminated mineralization similar to that discovered at Fish Lake just 5 km to the south. Additional work is warranted.

Respectfully submitted at Vancouver, British Columbia,



A. G. Troup, P.Eng.

**5.0 REFERENCES:**

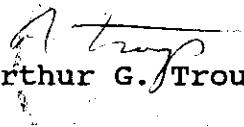
- Butterworth, B.P., Epp, W.R., 1985; Geology, Geochemistry, Geophysics and Percussion Drilling of the Taseko Claims, Southwestern British Columbia: Unpubl. Assessment Report, B.C. Dept. of Mines and Petroleum Resources File No. 14,159.
- Dickie, G.J., 1984; Tas Project, Report on 1984 Exploration in the Taseko River Area, Southwestern British Columbia: Unpubl. Report Prepared by MineQuest Exploration Associates Ltd. for Brinco Mining Limited, Ref. RM1301.
- Holland, S.S., 1964; Landforms of British Columbia - A Physiographic Outline: B.C. Dept. of Mines and Petroleum Resources, Bulletin 48. p. 69.
- Jeletsky, J.A., and Tipper, H.W., 1968; Upper Jurassic and Cretaceous rocks of Taseko Lakes Map Area and their Bearing on the Geological History of Southwestern British Columbia: Geol. Surv. Canada, Paper 67-54.
- Matthews, W.H., and Rouse, G.E., 1984; The Gang Ranch - Big Bar Area, South-central British Columbia, Stratigraphy, Geochronology, and Palynology of the Tertiary Beds and their Relationship to the Fraser Fault: Canadian Journal of Earth Sciences, Vol. 21, pp. 1132-1144.
- Tipper, H.W., 1963; Geology, Taseko Lakes, British Columbia: Geol. Surv. Canada, Map 29-1963.
- Tipper, H.W., 1968; Mesozoic and Cenozoic Geology of the Northeast Part of Mount Waddington Map-Area (92 N), Coast District, British Columbia: Geol. Surv. Canada, Paper 68-33.
- Tipper, H.W., 1978; Taseko Lakes (92 O) Map Area, British Columbia: Geol. Surv. Canada, Open File 534.
- Wolfhard, M.W., 1976; Fish Lake: in Porphyry Deposits of the Canadian Cordillera, CIM Special Volume No. 15, A. Sutherland Brown (Editor), pp. 317-322.
- Woolham, R.W., 1984; Report on the Helicopter-Borne Magnetic and VLF Electromagnetic Surveys, Taseko Project: Unpubl. Report prepared by Derry, Michener, Booth & Wahl Ltd. for Brinco Mining Limited, Ref. 84-57.

**6.0. STATEMENT OF QUALIFICATIONS:**

I, Arthur G. Troup, do hereby certify that:

- 1) I am a consulting geologist with Archean Engineering Ltd. of 3605 Creery Avenue, West Vancouver, B.C.
- 2) I am a graduate of McMaster University in Hamilton, Ontario with an M.Sc. in Geology.
- 3) I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
- 4) I have practiced my profession in Canada and abroad since 1964.
5. 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 sampling from October 12<sup>th</sup> to 17<sup>th</sup>, 1992. Data obtained from the Geological Survey of Canada, B.C. Dept. of Mines, and assessment reports and other support documents provided by Valerie Gold Resources Ltd. were also used as background and reference data.

Dated at Vancouver, British Columbia,  
this 11<sup>th</sup> day of December 1992.

  
Arthur G. Troup, P.Eng.

**COST STATEMENT**  
28 July - 17 December 1993

**GENERAL COST**

FOOD & ACCOMMODATION:	75.5 mdays @ \$36.16	\$ 2,729.74
FIELD TELEPHONE SERVICE:		385.00
FIXED WING:	Air BC, Van-Wml 1	199.61
SHIPMENTS:		130.87
FUEL:		1,334.97
SUPPLIES & SUNDRIES:		1,228.36
RENTALS:		
P.G. TRUCK, 44.5 days @ \$40	\$ 1,780.00	
SWEENEY TRAILER 2 mos @ \$500	1,000.00	
TRAILER DELIVERY	150.00	
P.G. EQUIPMENT, 55 days @ \$10	<u>550.00</u>	3,480.00
CONSULTANT FEES: Archean Engineering		7,043.28
REPORT PREPARATION:		<u>2,391.00</u>
TOTAL GENERAL COST:		<u>\$18,922.83</u>

**GEOCHEMICAL SURVEY COST**

SALARIES & WAGES:	2 pers. 6 mdays @ \$280.88	\$ 1,685.25
ASSAYS & ANALYSES: - CHEMEX LABS		
121 Soil for Au & 32el ICP @ \$15.46	\$ 1,870.84	
1 Rock for Au,Ag & 32el ICP	<u>18.40</u>	1,889.24
GENERAL COST APPORTIONED (6/75.5 X \$18,922.83):		<u>1,503.80</u>
TOTAL GEOCHEMICAL SURVEY COST:		<u>\$ 5,078.29</u>

**DIAMOND DRILLING COST**

SALARIES & WAGES:	3 pers. 69.5 mdays @ \$186.29	\$12,947.50
ASSAYS & ANALYSES: - CHEMEX LABS		
38 Core for Au & 32el ICP @ \$19.63	\$ 746.11	
9 H <sub>2</sub> O for 24el ICP @ \$76.08	<u>684.73</u>	1,430.84
CORE ENTERPRISES LTD: 690.98m @ \$72.48		50,083.60
GENERAL COST APPORTIONED (69.5/75.5 X \$18,922.88):		<u>17,419.03</u>
TOTAL DIAMOND DRILLING COST:		<u>\$81,880.97</u>

**GEOPHYSICAL SURVEY**

P.E. WALCOTT & ASSOCIATES:	<u>\$45,821.50</u>
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**APPENDIX A**

**GEOCHEMICAL ANALYSES CERTIFICATES**



# Chemex Labs Ltd.

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

TO: VALERIE GOLD RESOURCES LTD.

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

A9223324

## CERTIFICATE

A9223324

VALERIE GOLD RESOURCES LTD.

Project: CONE HILL  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 28-OCT-92.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	19	Dry, sieve to -80 mesh
229	19	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
100	19	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	19	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	19	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	19	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	19	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	19	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	19	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	19	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	19	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	19	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	19	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	19	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	19	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	19	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	19	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	19	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	19	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	19	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	19	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	19	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	19	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	19	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	19	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	19	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	19	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	19	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	19	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	19	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	19	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	19	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	19	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	19	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	19	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Comments: CC: ART TROUP



# Chemex Labs Ltd.

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

To: VALERIE GOLD RESOURCES LTD.

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

Project: CONE HILL  
 Comments: CC: ART TROUP

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 28-OCT-92  
 Invoice No. : I9223324  
 P.O. Number :  
 Account : IZU

## CERTIFICATE OF ANALYSIS A9223324

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L15S 27+00E	201 229		15 < 0.2	2.16	2	70 < 0.5	2	0.47 < 0.5	8	32	18	2.40	10	< 1	0.03	< 10	0.52	175			
L15S 28+00E	201 229		50 < 0.2	3.29	6	80 < 0.5	< 2	0.23 < 0.5	12	40	24	3.30	10	< 1	0.05	< 10	0.50	335			
L15S 29+00E	201 229		120 < 0.2	3.23	2	70 0.5	< 2	0.48 < 0.5	12	44	33	3.29	10	< 1	0.05	< 10	0.67	445			
L15S 30+00E	201 229		40 < 0.2	2.30	4	70 < 0.5	< 2	0.39 < 0.5	10	42	31	2.95	10	< 1	0.04	< 10	0.61	305			
L15S 31+00E	201 229		10 < 0.2	2.54	6	70 < 0.5	< 2	0.36 < 0.5	11	41	24	3.05	10	< 1	0.05	< 10	0.56	315			
L15S 32+00E	201 229		< 5 < 0.2	2.05	< 2	60 < 0.5	< 2	0.48 < 0.5	11	52	25	2.99	10	< 1	0.05	< 10	0.58	190			
L15S 33+00E	201 229		40 < 0.2	2.21	12	90 < 0.5	< 2	0.72 < 0.5	14	48	36	3.33	10	< 1	0.10	< 10	0.68	345			
L15S 34+00E	201 229		10 < 0.2	2.07	< 2	60 < 0.5	< 2	0.36 < 0.5	9	41	21	3.03	10	< 1	0.05	< 10	0.53	195			
L15S 35+00E	201 229		< 5 < 0.2	2.86	10	80 0.5	4	0.67 < 0.5	11	52	43	3.40	10	< 1	0.05	< 10	0.67	395			
L15S 36+00E	201 229		5 < 0.2	2.40	4	80 0.5	< 2	1.19 < 0.5	17	39	69	3.37	10	< 1	0.04	< 10	0.67	1285			
L15S 37+00E	201 229		75 < 0.2	2.38	6	60 < 0.5	2	0.41 < 0.5	8	42	23	2.86	10	< 1	0.05	< 10	0.53	265			
L15S 38+00E	201 229		10 < 0.2	2.47	14	60 < 0.5	< 2	0.62 < 0.5	8	45	19	3.15	10	< 1	0.02	< 10	0.57	220			
L15S 39+00E	201 229		15 < 0.2	2.42	6	80 0.5	< 2	0.33 < 0.5	8	39	31	2.49	10	< 1	0.03	< 10	0.56	175			
L15S 40+00E	201 229		15 < 0.2	3.09	4	110 < 0.5	< 2	0.30 < 0.5	15	48	22	3.52	10	< 1	0.06	< 10	0.47	405			
L15S 41+00E	201 229		< 5 < 0.2	2.59	8	80 0.5	2	0.24 < 0.5	13	36	15	3.29	10	< 1	0.07	< 10	0.35	285			
L15S 42+00E	201 229		< 5 < 0.2	1.58	4	60 < 0.5	< 2	0.47 < 0.5	8	33	15	2.09	10	< 1	0.02	< 10	0.44	145			
L15S 43+00E	201 229		25 < 0.2	1.89	4	90 < 0.5	4	0.34 < 0.5	9	43	21	2.76	10	< 1	0.03	< 10	0.52	170			
L15S 44+00E	201 229		65 < 0.2	1.81	18	70 0.5	< 2	0.43 < 0.5	8	35	20	2.48	10	< 1	0.04	< 10	0.60	235			
L15S 45+00E	201 229		30 0.2	2.88	54	100 0.5	4	0.84 < 0.5	11	38	33	3.24	10	< 1	0.08	< 10	0.57	605			

CERTIFICATION: *Jhai D'Mar*



# Chemex Labs Ltd.

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

To: VALERIE GOLD RESOURCES LTD.

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

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 28-OCT-92  
 Invoice No. : I9223324  
 P.O. Number :  
 Account : IZU

Project: CONE HILL  
 Comments: CC: ART TROUP

## CERTIFICATE OF ANALYSIS

A9223324

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L15S 27+00E	201 229	< 1	0.02	18	130	4	< 2	4	39	0.15	< 10	< 10	63	< 10	62
L15S 28+00E	201 229	1	0.01	35	910	2	< 2	4	25	0.14	< 10	< 10	72	< 10	108
L15S 29+00E	201 229	< 1	0.02	25	310	8	< 2	8	46	0.16	< 10	< 10	81	< 10	90
L15S 30+00E	201 229	1	0.01	27	370	2	< 2	4	36	0.16	< 10	< 10	69	< 10	68
L15S 31+00E	201 229	< 1	0.02	25	240	12	< 2	4	34	0.15	< 10	< 10	79	< 10	66
L15S 32+00E	201 229	1	0.03	21	90	< 2	< 2	4	36	0.19	< 10	< 10	74	< 10	56
L15S 33+00E	201 229	< 1	0.04	31	190	2	2	7	68	0.18	< 10	< 10	74	< 10	50
L15S 34+00E	201 229	1	0.02	24	200	6	< 2	4	31	0.17	< 10	< 10	81	< 10	78
L15S 35+00E	201 229	< 1	0.03	33	240	6	4	8	53	0.15	< 10	< 10	79	10	72
L15S 36+00E	201 229	1	0.04	34	290	6	< 2	8	68	0.12	< 10	< 10	81	10	86
L15S 37+00E	201 229	< 1	0.02	25	190	2	< 2	4	31	0.17	< 10	< 10	75	< 10	54
L15S 38+00E	201 229	2	0.02	18	270	6	2	6	49	0.15	< 10	< 10	75	< 10	34
L15S 39+00E	201 229	< 1	0.02	29	250	8	< 2	5	43	0.16	< 10	< 10	67	< 10	54
L15S 40+00E	201 229	< 1	0.02	48	760	8	< 2	3	29	0.16	< 10	< 10	79	< 10	80
L15S 41+00E	201 229	1	0.01	27	630	12	2	3	22	0.14	< 10	< 10	77	< 10	186
L15S 42+00E	201 229	< 1	0.02	25	230	< 2	< 2	3	36	0.13	< 10	< 10	48	< 10	36
L15S 43+00E	201 229	< 1	0.02	26	130	2	< 2	3	33	0.14	< 10	< 10	65	< 10	34
L15S 44+00E	201 229	< 1	0.02	22	160	6	2	4	42	0.15	< 10	< 10	64	< 10	74
L15S 45+00E	201 229	3	0.02	23	260	16	< 2	7	74	0.09	< 10	< 10	72	< 10	178

CERTIFICATION:



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To: VALERIE GOLD RESOURCES LTD.

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

A9223398

Comments: CC: ART TROUP

## CERTIFICATE

A9223398

VALERIE GOLD RESOURCES LTD.

Project: CONE HILL  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 28-OCT-92.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	102	Dry, sieve to -80 mesh
229	102	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
100	102	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	102	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	102	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	102	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	102	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	102	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	102	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	102	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	102	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	102	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	102	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	102	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	102	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	102	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	102	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	102	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	102	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	102	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	102	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	102	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	102	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	102	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	102	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	102	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	102	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	102	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	102	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	102	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	102	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	102	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	102	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	102	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	102	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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

Page Number : 1-A  
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 Account : IZU

Project: CONE HILL  
 Comments: CC: ART TROUP

## CERTIFICATE OF ANALYSIS A9223398

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L7S 08+00E	201 229	< 5 < 0.2 1.98	8	80 < 0.5	< 2 0.48 < 0.5	10	43	19	3.05	10 < 1	0.14	< 10	0.59	340						
L7S 09+00E	201 229	15 < 0.2 2.22	< 2 100 < 0.5	< 2 0.48 < 0.5	10 50	20	3.18	10 < 1	0.14	< 10	0.58	290								
L7S 10+00E	201 229	< 5 < 0.2 2.78	< 2 190 < 0.5	< 2 0.61 < 0.5	14 43	21	3.37	10 < 1	0.23	< 10	0.60	745								
L7S 11+00E	201 229	< 5 < 0.2 2.44	6 150 < 0.5	< 2 0.63 < 0.5	15 40	26	3.30	10 < 1	0.17	< 10	0.67	1015								
L7S 12+00E	201 229	< 5 < 0.2 2.50	2 150 < 0.5	< 2 0.67 < 0.5	14 41	27	3.38	10 < 1	0.17	< 10	0.71	915								
L7S 13+00E	201 229	10 < 0.2 2.86	8 90 < 0.5	< 2 1.18 < 0.5	18 40	40	3.57	10 < 1	0.26	< 10	1.10	760								
L7S 14+00E	201 229	< 5 < 0.2 3.51	16 180 < 0.5	< 2 0.82 < 0.5	21 33	36	3.72	10 < 1	0.25	< 10	0.76	1370								
L7S 15+00E	201 229	< 5 < 0.2 2.94	8 80 < 0.5	< 2 0.94 < 0.5	10 48	57	3.39	10 < 1	0.07	10	0.60	455								
L7S 16+00E	201 229	15 < 0.2 2.47	4 90 < 0.5	< 2 0.41 < 0.5	11 40	21	3.19	10 < 1	0.14	< 10	0.56	485								
L7S 17+00E	201 229	20 < 0.2 2.17	6 70 < 0.5	< 2 0.40 < 0.5	13 38	26	3.14	10 < 1	0.09	< 10	0.69	345								
L7S 18+00E	201 229	30 < 0.2 1.79	< 2 50 < 0.5	< 2 0.36 < 0.5	8 33	19	2.27	10 < 1	0.05	< 10	0.51	215								
L7S 19+00E	201 229	15 < 0.2 1.90	8 60 < 0.5	< 2 0.42 < 0.5	9 39	26	2.74	10 < 1	0.06	< 10	0.55	300								
L7S 20+00E	201 229	20 < 0.2 1.94	4 80 < 0.5	< 2 0.33 < 0.5	11 42	29	2.99	10 < 1	0.06	< 10	0.63	270								
L7S 21+00E	201 229	10 < 0.2 2.42	8 100 < 0.5	< 2 0.35 < 0.5	11 44	33	3.10	10 < 1	0.05	< 10	0.56	215								
L7S 22+00E	201 229	< 5 < 0.2 2.61	4 100 < 0.5	< 2 0.38 < 0.5	12 47	26	3.21	10 < 1	0.06	< 10	0.56	245								
L7S 23+00E	201 229	< 5 < 0.2 3.36	8 90 < 0.5	< 2 0.96 < 0.5	10 48	52	3.41	10 < 1	0.07	10	0.64	420								
L7S 24+00E	201 229	< 5 < 0.2 3.06	4 150 < 0.5	< 2 0.33 < 0.5	11 33	26	2.92	10 < 1	0.06	< 10	0.49	190								
L7S 25+00E	201 229	< 5 < 0.2 2.37	10 90 < 0.5	< 2 0.68 < 0.5	9 37	25	3.07	10 < 1	0.05	< 10	0.67	265								
L7S 26+00E	201 229	< 5 < 0.2 3.18	8 140 < 0.5	< 2 0.38 < 0.5	15 43	30	3.66	10 < 1	0.06	< 10	0.70	235								
L7S 27+00E	201 229	10 < 0.2 2.06	6 80 < 0.5	< 2 0.32 < 0.5	10 27	15	3.08	10 < 1	0.08	< 10	0.40	185								
L11S 08+00E	201 229	< 5 < 0.2 2.20	4 110 < 0.5	< 2 0.46 < 0.5	14 31	16	2.76	10 < 1	0.08	< 10	0.54	1005								
L11S 09+00E	201 229	< 5 < 0.2 2.57	6 140 < 0.5	< 2 0.51 < 0.5	12 44	17	3.20	10 < 1	0.16	< 10	0.64	560								
L11S 10+00E	201 229	< 5 < 0.2 2.87	< 2 130 < 0.5	< 2 0.75 < 0.5	16 40	26	3.58	10 < 1	0.16	< 10	0.78	995								
L11S 11+00E	201 229	< 5 < 0.2 2.31	< 2 130 < 0.5	< 2 1.35 < 0.5	21 28	38	2.98	10 < 1	0.15	< 10	0.72	1755								
L11S 12+00E	201 229	< 5 < 0.2 3.41	< 2 140 < 0.5	< 2 1.21 < 0.5	15 39	32	3.85	20 < 1	0.12	< 10	1.28	1340								
L11S 13+00E	201 229	< 5 < 0.2 2.82	< 2 140 < 0.5	< 2 0.69 < 0.5	14 45	24	3.58	10 < 1	0.21	< 10	0.77	615								
L11S 14+00E	201 229	< 5 < 0.2 3.09	2 110 < 0.5	< 2 0.37 < 0.5	12 37	20	2.97	10 < 1	0.08	< 10	0.55	270								
L11S 15+00E	201 229	< 5 < 0.2 2.67	8 80 < 0.5	< 2 1.06 < 0.5	14 42	41	3.86	10 < 1	0.10	< 10	0.73	670								
L11S 16+00E	201 229	< 5 < 0.2 2.74	8 110 < 0.5	< 2 0.62 < 0.5	14 48	25	3.56	10 < 1	0.15	< 10	0.69	620								
L11S 17+00E	201 229	< 5 < 0.2 3.29	4 70 0.5	< 2 0.97 < 0.5	14 63	70	4.16	10 < 1	0.09	10	0.80	570								
L11S 18+00E	201 229	< 5 < 0.2 2.75	10 70 < 0.5	< 2 0.61 < 0.5	14 39	32	3.26	10 < 1	0.09	< 10	0.69	475								
L11S 19+00E	201 229	< 5 < 0.2 2.14	< 2 60 < 0.5	< 2 0.39 < 0.5	10 35	20	2.64	10 < 1	0.06	< 10	0.53	255								
L11S 20+00E	201 229	< 5 < 0.2 2.08	2 70 < 0.5	< 2 0.44 < 0.5	8 36	25	2.55	10 < 1	0.04	< 10	0.53	285								
L11S 21+00E	201 229	20 < 0.2 2.93	6 90 < 0.5	< 2 0.31 < 0.5	13 43	27	3.24	10 < 1	0.08	< 10	0.56	380								
L11S 22+00E	201 229	< 5 < 0.2 2.14	2 60 < 0.5	< 2 0.40 < 0.5	9 41	21	2.59	10 < 1	0.04	< 10	0.52	190								
L11S 23+00E	201 229	< 5 < 0.2 2.81	6 70 0.5	< 2 0.66 < 0.5	10 42	22	2.80	10 < 1	0.04	< 10	0.48	415								
L11S 24+00E	201 229	< 5 < 0.2 3.15	6 120 < 0.5	< 2 0.32 < 0.5	9 31	20	2.48	10 < 1	0.07	< 10	0.49	230								
L11S 25+00E	201 229	< 5 < 0.2 2.44	2 90 < 0.5	< 2 0.37 < 0.5	8 28	17	2.35	10 < 1	0.04	< 10	0.58	185								
L11S 26+00E	201 229	25 < 0.2 3.61	2 120 < 0.5	< 2 0.29 < 0.5	13 40	36	3.16	10 < 1	0.06	< 10	0.56	270								
L11S 27+00E	201 229	< 5 < 0.2 3.31	16 100 < 0.5	< 2 0.36 < 0.5	12 45	39	3.13	10 < 1	0.06	< 10	0.57	255								

CERTIFICATION: *Jhai D'Mar*



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To: VALERIE GOLD RESOURCES LTD.

1000 - 1177 W. HASTINGS ST.  
 VANCOUVER, BC  
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Project: CONE HILL  
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Page Number: 1-B  
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 Certificate Date: 28-OCT-92  
 Invoice No.: I9223398  
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 Account: IZU

## CERTIFICATE OF ANALYSIS

A9223398

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7S 08+00E	201	229	< 1	0.02	28	400	4	2	6	41	0.19	< 10	< 10	74	< 10	68
L7S 09+00E	201	229	< 1	0.02	29	400	6	2	7	42	0.21	< 10	< 10	76	< 10	96
L7S 10+00E	201	229	< 1	0.02	36	1500	2	< 2	7	43	0.16	< 10	< 10	64	< 10	634
L7S 11+00E	201	229	1	0.01	26	600	4	2	8	63	0.17	< 10	< 10	73	< 10	102
L7S 12+00E	201	229	< 1	0.01	27	620	6	< 2	8	71	0.18	< 10	< 10	76	< 10	96
L7S 13+00E	201	229	< 1	0.02	35	1420	4	< 2	8	161	0.15	< 10	< 10	86	10	82
L7S 14+00E	201	229	< 1	0.02	30	920	10	2	7	101	0.14	< 10	< 10	75	10	254
L7S 15+00E	201	229	< 1	0.02	29	310	10	< 2	8	52	0.13	< 10	< 10	77	< 10	76
L7S 16+00E	201	229	< 1	0.01	27	300	2	< 2	4	33	0.17	< 10	< 10	80	< 10	86
L7S 17+00E	201	229	< 1	0.02	26	380	14	< 2	6	48	0.14	< 10	< 10	73	< 10	72
L7S 18+00E	201	229	< 1	0.02	19	170	8	< 2	4	37	0.16	< 10	< 10	58	< 10	54
L7S 19+00E	201	229	< 1	0.02	24	250	8	< 2	5	43	0.15	< 10	< 10	66	< 10	48
L7S 20+00E	201	229	1	0.02	29	300	8	< 2	4	41	0.15	< 10	< 10	73	< 10	50
L7S 21+00E	201	229	< 1	0.01	32	480	4	< 2	4	43	0.14	< 10	< 10	73	< 10	54
L7S 22+00E	201	229	< 1	0.02	32	480	2	< 2	4	45	0.17	< 10	< 10	80	< 10	56
L7S 23+00E	201	229	1	0.03	33	420	10	2	8	73	0.13	< 10	< 10	74	< 10	52
L7S 24+00E	201	229	< 1	0.02	21	290	4	< 2	4	65	0.13	< 10	< 10	70	< 10	48
L7S 25+00E	201	229	< 1	0.04	19	140	8	2	5	99	0.15	< 10	< 10	74	< 10	40
L7S 26+00E	201	229	< 1	0.02	39	560	6	< 2	4	49	0.16	< 10	< 10	83	< 10	62
L7S 27+00E	201	229	1	0.01	16	460	12	2	3	48	0.12	< 10	< 10	78	< 10	76
L11S 08+00E	201	229	< 1	0.02	22	570	4	< 2	4	32	0.15	< 10	< 10	61	< 10	84
L11S 09+00E	201	229	< 1	0.02	35	690	6	< 2	7	40	0.17	< 10	< 10	71	< 10	134
L11S 10+00E	201	229	< 1	0.02	26	500	4	< 2	9	61	0.17	< 10	< 10	77	< 10	94
L11S 11+00E	201	229	< 1	0.03	20	1450	8	< 2	7	76	0.13	< 10	< 10	60	< 10	318
L11S 12+00E	201	229	< 1	0.02	24	790	10	< 2	11	235	0.23	< 10	< 10	97	10	106
L11S 13+00E	201	229	< 1	0.02	26	400	4	< 2	8	93	0.14	< 10	< 10	76	< 10	70
L11S 14+00E	201	229	< 1	0.01	32	840	< 2	< 2	4	43	0.14	< 10	< 10	65	< 10	108
L11S 15+00E	201	229	< 1	0.03	27	250	4	2	9	73	0.14	< 10	< 10	73	< 10	68
L11S 16+00E	201	229	1	0.02	30	460	10	2	6	42	0.17	< 10	< 10	82	< 10	106
L11S 17+00E	201	229	< 1	0.03	39	370	8	< 2	11	63	0.16	< 10	< 10	87	10	74
L11S 18+00E	201	229	1	0.02	30	270	4	< 2	4	53	0.14	< 10	< 10	71	< 10	68
L11S 19+00E	201	229	< 1	0.02	25	300	4	< 2	4	34	0.15	< 10	< 10	67	< 10	78
L11S 20+00E	201	229	< 1	0.02	22	210	10	< 2	5	43	0.13	< 10	< 10	62	< 10	52
L11S 21+00E	201	229	< 1	0.01	37	1140	6	< 2	5	32	0.13	< 10	< 10	72	< 10	112
L11S 22+00E	201	229	< 1	0.02	26	240	4	< 2	4	49	0.17	< 10	< 10	64	< 10	52
L11S 23+00E	201	229	< 1	0.03	23	200	8	< 2	6	53	0.13	< 10	< 10	67	< 10	40
L11S 24+00E	201	229	< 1	0.02	25	750	4	2	4	72	0.12	< 10	< 10	57	< 10	92
L11S 25+00E	201	229	< 1	0.02	15	230	2	< 2	4	68	0.10	< 10	< 10	60	< 10	50
L11S 26+00E	201	229	1	0.01	33	880	12	< 2	4	45	0.14	< 10	< 10	72	< 10	82
L11S 27+00E	201	229	< 1	0.01	34	620	4	< 2	4	50	0.15	< 10	< 10	73	< 10	48

CERTIFICATION:

Jhai D Ma



# Chemex Labs Ltd.

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

To: VALERIE GOLD RESOURCES LTD.

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

Project: CONE HILL  
 Comments: CC: ART TROUP

Page Number : 2-A  
 Total Yes : 3  
 Certificate Date: 28-OCT-92  
 Invoice No. : 19223398  
 P.O. Number :  
 Account : IZU

## CERTIFICATE OF ANALYSIS A9223398

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L11S 28+00E	201 229		45 < 0.2	2.48	2	80 < 0.5	2	0.36 < 0.5	8	32	22	2.49	10	< 1	0.04 < 10	0.53	235				
L11S 29+00E	201 229		< 5 < 0.2	3.30	22	110 < 0.5	< 2	0.31 < 0.5	12	38	30	3.65	10	< 1	0.08 < 10	0.64	300				
L11S 30+00E	201 229		< 5 < 0.2	3.06	4	90 < 0.5	< 2	0.31 < 0.5	12	44	29	3.08	10	< 1	0.07 < 10	0.54	415				
L15S 08+00E	201 229		15 < 0.2	2.39	4	130 < 0.5	< 2	0.59 < 0.5	14	50	32	3.70	10	< 1	0.16 < 10	0.74	520				
L15S 09+00E	201 229		< 5 < 0.2	2.64	< 2	160 < 0.5	2	0.49 < 0.5	14	46	26	3.62	10	< 1	0.21 < 10	0.84	505				
L15S 10+00E	201 229		< 5 < 0.2	2.21	4	90 < 0.5	< 2	0.62 < 0.5	15	39	28	3.58	10	< 1	0.19 < 10	0.81	580				
L15S 11+00E	201 229		15 < 0.2	2.58	18	90 < 0.5	< 2	0.54 < 0.5	14	60	29	3.83	10	< 1	0.14 < 10	0.75	390				
L15S 12+00E	201 229		< 5 < 0.2	2.23	6	100 < 0.5	< 2	0.94 < 0.5	15	52	48	3.65	10	< 1	0.20 < 10	0.92	480				
L15S 13+00E	201 229		< 5 < 0.2	2.41	8	110 < 0.5	< 2	0.86 < 0.5	16	48	40	3.88	10	< 1	0.19 < 10	1.07	640				
L15S 14+00E	201 229		< 5 < 0.2	1.84	8	80 < 0.5	< 2	0.50 < 0.5	12	46	35	3.20	10	< 1	0.04 < 10	0.81	310				
L15S 14+25ESS	201 229		< 5 < 0.2	1.93	< 2	60 < 0.5	4	1.02 < 0.5	11	41	37	2.93	10	< 1	0.07 < 10	0.67	360				
L15S 15+00E	201 229		< 5 < 0.2	2.23	6	80 < 0.5	< 2	1.33 < 0.5	12	31	48	3.02	10	< 1	0.15 < 10	0.53	465				
L15S 16+00E	201 229		15 < 0.2	2.33	< 2	70 < 0.5	< 2	0.82 < 0.5	11	42	27	3.42	10	< 1	0.08 < 10	0.55	275				
L15S 17+00E	201 229		25 < 0.2	2.79	12	90 < 0.5	< 2	0.82 < 0.5	16	50	53	3.60	10	< 1	0.08 < 10	0.76	480				
L15S 18+00E	201 229		< 5 < 0.2	2.47	2	70 < 0.5	< 2	0.76 < 0.5	10	36	30	2.97	10	< 1	0.07 < 10	0.55	280				
L15S 19+00E	201 229		< 5 < 0.2	2.78	16	80 < 0.5	< 2	1.48 < 0.5	14	41	55	3.13	10	< 1	0.15 < 10	0.71	630				
L15S 20+00E	201 229		25 < 0.2	2.83	14	70 < 0.5	2	0.64 < 0.5	12	42	34	3.28	10	< 1	0.05 < 10	0.61	360				
L15S 21+00E	201 229		< 5 < 0.2	2.68	12	70 < 0.5	< 2	0.96 < 0.5	13	42	40	3.48	10	< 1	0.05 < 10	0.61	435				
L15S 22+00E	201 229		< 5 < 0.2	2.55	4	60 < 0.5	< 2	0.76 < 0.5	11	34	27	2.92	10	< 1	0.04 < 10	0.37	730				
L19S 08+00E	201 229		10 < 0.2	2.23	2	100 < 0.5	< 2	0.43 < 0.5	9	46	22	3.02	10	< 1	0.09 < 10	0.52	270				
L19S 09+00E	201 229		35 < 0.2	2.02	2	80 < 0.5	< 2	0.37 < 0.5	9	48	22	3.01	10	< 1	0.08 < 10	0.49	325				
L19S 10+00E	201 229		10 < 0.2	2.23	8	80 < 0.5	< 2	0.44 < 0.5	11	56	33	3.38	10	< 1	0.13 < 10	0.60	325				
L19S 11+00E	201 229		35 < 0.2	2.29	6	70 < 0.5	< 2	0.35 < 0.5	11	37	18	3.09	10	< 1	0.09 < 10	0.47	285				
L19S 12+00E	201 229		< 5 < 0.2	1.87	4	80 < 0.5	< 2	0.43 < 0.5	12	47	29	3.23	10	< 1	0.22 < 10	0.59	405				
L19S 13+00E	201 229		< 5 < 0.2	1.50	4	90 < 0.5	2	0.34 < 0.5	9	40	18	2.86	10	< 1	0.14 < 10	0.49	280				
L19S 14+00E	201 229		< 5 < 0.2	1.44	4	90 < 0.5	4	0.34 < 0.5	10	40	19	2.86	10	< 1	0.14 < 10	0.54	395				
L19S 15+00E	201 229		30 < 0.2	1.77	2	80 < 0.5	< 2	0.42 < 0.5	13	48	31	3.36	10	< 1	0.19 < 10	0.66	425				
L19S 16+00E	201 229		55 < 0.2	2.79	4	100 < 0.5	< 2	0.86 < 0.5	12	44	33	3.68	10	< 1	0.13 < 10	0.68	665				
L19S 17+00E	201 229		35 < 0.2	2.71	2	90 < 0.5	< 2	0.46 < 0.5	12	43	29	3.27	10	< 1	0.10 < 10	0.64	495				
L19S 18+00E	201 229		10 < 0.2	2.38	< 2	70 < 0.5	2	0.35 < 0.5	9	40	27	2.51	10	< 1	0.06 < 10	0.49	235				
L19S 19+00E	201 229		20 < 0.2	2.26	4	60 < 0.5	< 2	0.41 < 0.5	9	36	24	2.44	10	< 1	0.04 < 10	0.50	230				
L19S 20+00E	201 229		< 5 < 0.2	2.88	6	80 < 0.5	< 2	0.82 < 0.5	8	45	32	3.30	10	< 1	0.04 < 10	0.62	200				
L19S 21+00E	201 229		< 5 < 0.2	2.53	18	90 < 0.5	< 2	0.63 < 0.5	13	38	36	3.71	10	< 1	0.05 < 10	0.51	290				
L19S 22+00E	201 229		65 < 0.2	3.20	8	100 < 0.5	< 2	0.30 < 0.5	13	39	24	3.29	10	< 1	0.10 < 10	0.56	605				
L19S 23+00E	201 229		< 5 < 0.2	2.81	8	100 < 0.5	2	0.34 < 0.5	11	31	24	2.98	10	< 1	0.08 < 10	0.51	355				
L19S 24+00E	201 229		< 5 < 0.2	3.07	18	110 < 0.5	< 2	0.85 < 0.5	12	37	41	3.01	10	< 1	0.06 < 10	0.46	900				
L19S 25+00E	201 229		< 5 < 0.2	3.88	12	180 < 0.5	2	0.50 < 0.5	9	27	29	2.77	20	< 1	0.11 < 10	0.48	305				
L19S 26+00E	201 229		< 5 < 0.2	3.54	16	160 < 0.5	< 2	0.32 < 0.5	12	32	27	2.95	10	< 1	0.12 < 10	0.50	305				
L19S 27+00E	201 229		< 5 < 0.2	2.10	8	70 < 0.5	< 2	0.35 < 0.5	9	36	20	2.59	10	< 1	0.04 < 10	0.42	155				
L19S 28+00E	201 229		< 5 < 0.2	2.62	8	80 < 0.5	< 2	0.60 < 0.5	9	49	34	3.31	10	< 1	0.05 < 10	0.66	210				

CERTIFICATION:

Jhai D Ma



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 212 Brooksbank Ave., North Vancouver  
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To: VALERIE GOLD RESOURCES LTD.

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

Project: CONE HILL  
 Comments: CC: ART TROUP

Page Number : 2-B  
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## CERTIFICATE OF ANALYSIS

A9223398

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L11S 28+00E	201	229	< 1	0.02	17	180	2	< 2	4	69	0.15	< 10	< 10	66	< 10	64
L11S 29+00E	201	229	< 1	0.02	25	320	8	< 2	5	50	0.15	< 10	< 10	89	< 10	74
L11S 30+00E	201	229	< 1	0.01	30	440	2	< 2	4	39	0.15	< 10	< 10	71	< 10	78
L15S 08+00E	201	229	< 1	0.02	30	380	8	< 2	9	53	0.15	< 10	< 10	76	10	82
L15S 09+00E	201	229	< 1	0.01	38	1080	6	< 2	7	39	0.13	< 10	< 10	66	< 10	160
L15S 10+00E	201	229	< 1	0.02	30	530	6	< 2	7	55	0.12	< 10	< 10	65	< 10	94
L15S 11+00E	201	229	< 1	0.02	35	290	8	2	9	50	0.18	< 10	< 10	89	10	54
L15S 12+00E	201	229	< 1	0.03	43	600	4	< 2	9	70	0.14	< 10	< 10	76	10	60
L15S 13+00E	201	229	< 1	0.05	45	750	6	< 2	10	81	0.15	< 10	< 10	76	10	64
L15S 14+00E	201	229	< 1	0.03	33	350	6	2	7	65	0.15	< 10	< 10	74	< 10	44
L15S 14+25ESS	201	229	< 1	0.02	29	500	4	< 2	5	59	0.12	< 10	< 10	64	< 10	80
L15S 15+00E	201	229	< 1	0.02	19	670	6	2	6	100	0.09	< 10	< 10	59	< 10	78
L15S 16+00E	201	229	< 1	0.02	17	200	6	< 2	7	58	0.13	< 10	< 10	65	< 10	58
L15S 17+00E	201	229	< 1	0.02	33	300	4	< 2	9	56	0.14	< 10	< 10	79	10	70
L15S 18+00E	201	229	< 1	0.02	22	170	8	< 2	7	47	0.12	< 10	< 10	58	< 10	84
L15S 19+00E	201	229	< 1	0.03	30	330	4	2	8	78	0.11	< 10	< 10	69	10	50
L15S 20+00E	201	229	< 1	0.03	29	170	2	2	7	50	0.15	< 10	< 10	83	10	98
L15S 21+00E	201	229	< 1	0.02	32	220	2	< 2	8	53	0.12	< 10	< 10	76	10	84
L15S 22+00E	201	229	1	0.02	33	200	2	< 2	5	37	0.13	< 10	< 10	76	10	70
L19S 08+00E	201	229	1	0.02	27	440	< 2	< 2	6	39	0.17	< 10	< 10	77	10	68
L19S 09+00E	201	229	< 1	0.02	33	540	4	< 2	5	34	0.15	< 10	< 10	71	10	54
L19S 10+00E	201	229	< 1	0.02	32	330	< 2	2	9	41	0.19	< 10	< 10	79	10	50
L19S 11+00E	201	229	< 1	0.01	37	1130	6	< 2	3	25	0.13	< 10	< 10	74	10	110
L19S 12+00E	201	229	< 1	0.02	28	410	6	< 2	6	33	0.15	< 10	< 10	72	10	66
L19S 13+00E	201	229	< 1	0.02	23	310	4	< 2	4	29	0.15	< 10	< 10	67	10	76
L19S 14+00E	201	229	< 1	0.01	23	400	< 2	< 2	5	27	0.14	< 10	< 10	65	10	76
L19S 15+00E	201	229	< 1	0.02	28	440	2	< 2	7	49	0.15	< 10	< 10	74	10	58
L19S 16+00E	201	229	1	0.03	23	460	2	2	9	62	0.13	< 10	< 10	66	10	104
L19S 17+00E	201	229	< 1	0.02	30	560	4	< 2	7	39	0.16	< 10	< 10	71	10	118
L19S 18+00E	201	229	< 1	0.02	29	340	< 2	< 2	5	29	0.16	< 10	< 10	61	10	78
L19S 19+00E	201	229	1	0.02	26	220	2	2	4	33	0.15	< 10	< 10	59	10	80
L19S 20+00E	201	229	< 1	0.04	27	150	8	2	7	50	0.14	< 10	< 10	71	10	56
L19S 21+00E	201	229	1	0.03	27	160	4	2	6	43	0.13	< 10	< 10	85	10	50
L19S 22+00E	201	229	1	0.01	30	860	< 2	< 2	4	33	0.12	< 10	< 10	74	10	80
L19S 23+00E	201	229	1	0.01	23	390	6	2	3	42	0.11	< 10	< 10	70	10	100
L19S 24+00E	201	229	1	0.03	26	290	6	2	7	59	0.11	< 10	< 10	79	10	142
L19S 25+00E	201	229	1	0.02	22	850	12	< 2	3	245	0.12	< 10	< 10	61	10	80
L19S 26+00E	201	229	1	0.01	23	710	12	< 2	4	84	0.10	< 10	< 10	69	10	90
L19S 27+00E	201	229	< 1	0.02	24	430	8	< 2	4	27	0.13	< 10	< 10	63	10	86
L19S 28+00E	201	229	< 1	0.03	29	160	< 2	< 2	8	53	0.15	< 10	< 10	67	10	48

CERTIFICATION:

Jhai D Ma



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
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To: VALERIE GOLD RESOURCES LTD.

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## CERTIFICATE OF ANALYSIS

A9223398

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L19S 29+00E	201 229		35 < 0.2	2.24	2	60 < 0.5	< 2	0.49 < 0.5	10	42	24	2.88	10	< 1	0.04	< 10	0.48	345			
L19S 30+00E	201 229		50 < 0.2	1.87	8	60 < 0.5	< 2	0.51 < 0.5	8	44	28	2.78	10	< 1	0.05	< 10	0.58	275			
L23S 08+00E	201 229		< 5 < 0.2	1.79	4	70 < 0.5	< 2	0.43 < 0.5	12	53	26	3.20	< 10	< 1	0.20	< 10	0.61	350			
L23S 09+00E	201 229		< 5 < 0.2	2.27	< 2	80 < 0.5	2	0.36 < 0.5	11	44	24	3.02	< 10	1	0.13	< 10	0.51	230			
L23S 10+00E	201 229		< 5 < 0.2	2.41	2	80 < 0.5	< 2	0.46 < 0.5	9	46	23	2.99	< 10	< 1	0.13	< 10	0.60	245			
L23S 11+00E	201 229		< 5 < 0.2	2.17	< 2	90 < 0.5	< 2	0.32 < 0.5	10	45	20	2.87	< 10	< 1	0.09	< 10	0.44	295			
L23S 12+00E	201 229		40 < 0.2	2.73	8	80 < 0.5	4	0.36 < 0.5	14	47	53	3.54	< 10	< 1	0.13	< 10	0.57	265			
L23S 13+00E	201 229		< 5 < 0.2	2.80	8	70 < 0.5	< 2	0.31 < 0.5	13	42	38	3.39	< 10	< 1	0.08	< 10	0.50	275			
L23S 14+00E	201 229		< 5 < 0.2	2.23	< 2	60 < 0.5	< 2	0.67 < 0.5	9	41	29	3.23	< 10	1	0.04	< 10	0.49	265			
L23S 15+00E	201 229		10 < 0.2	1.90	< 2	70 < 0.5	< 2	0.44 < 0.5	11	46	20	3.07	< 10	< 1	0.11	< 10	0.51	335			
L23S 16+00E	201 229		< 5 < 0.2	2.27	6	70 0.5	2	0.75 < 0.5	10	43	45	3.03	< 10	< 1	0.08	< 10	0.60	300			
L23S 17+00E	201 229		255 < 0.2	1.97	< 2	60 < 0.5	4	0.30 < 0.5	9	37	22	2.63	< 10	1	0.05	< 10	0.52	305			
L23S 18+00E	201 229		15 < 0.2	1.88	4	60 < 0.5	2	0.35 < 0.5	9	40	22	2.69	< 10	2	0.04	< 10	0.44	270			
L23S 19+00E	201 229		20 < 0.2	2.11	4	40 < 0.5	2	1.15 < 0.5	6	34	44	2.57	< 10	< 1	0.05	< 10	0.55	130			
L23S 20+00E	201 229		15 < 0.2	1.83	12	60 < 0.5	< 2	0.82 < 0.5	8	41	49	3.06	< 10	< 1	0.05	< 10	0.65	225			
L23S 21+00E	201 229		30 < 0.2	2.47	6	80 0.5	< 2	0.72 < 0.5	12	35	28	3.16	< 10	1	0.05	< 10	0.48	210			
L23S 22+00E	201 229		15 < 0.2	2.22	12	60 < 0.5	2	0.89 < 0.5	9	34	43	2.75	< 10	1	0.05	< 10	0.55	335			
L23S 23+00E	201 229		< 5 < 0.2	2.70	12	60 < 0.5	2	0.70 < 0.5	11	53	36	3.52	< 10	2	0.06	< 10	0.50	220			
L23S 24+00E	201 229		< 5 < 0.2	2.56	6	80 < 0.5	< 2	0.34 < 0.5	10	36	21	2.91	< 10	< 1	0.07	< 10	0.46	220			
L23S 25+00E	201 229		35 < 0.2	2.80	8	100 0.5	< 2	0.24 < 0.5	11	36	40	3.07	< 10	< 1	0.04	< 10	0.50	200			
L23SSS 16+00E	201 229		15 < 0.2	1.47	10	70 < 0.5	< 2	2.20 < 0.5	8	36	93	2.29	< 10	1	0.06	< 10	0.58	670			
NO SAMPLE	201 229		30 < 0.2	2.17	< 2	70 < 0.5	< 2	0.39 < 0.5	9	34	15	2.60	< 10	< 1	0.07	< 10	0.49	255			

CERTIFICATION: *Jhai D Ma*



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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L19S 29+00E	201	229	< 1	0.03	25	150	< 2	< 2	6	40	0.16	< 10	< 10	72	10	62
L19S 30+00E	201	229	< 1	0.03	27	230	< 2	< 2	6	42	0.17	< 10	< 10	67	10	52
L23S 08+00E	201	229	1	0.03	29	160	4	< 2	6	35	0.21	< 10	< 10	78	10	54
L23S 09+00E	201	229	< 1	0.02	36	630	6	< 2	4	29	0.17	< 10	< 10	68	< 10	74
L23S 10+00E	201	229	< 1	0.02	31	520	2	2	5	44	0.19	< 10	< 10	79	< 10	72
L23S 11+00E	201	229	< 1	0.01	27	320	6	< 2	3	27	0.18	< 10	< 10	71	< 10	60
L23S 12+00E	201	229	1	0.02	42	440	6	< 2	4	31	0.17	< 10	< 10	76	< 10	90
L23S 13+00E	201	229	< 1	0.02	43	1580	4	< 2	4	27	0.13	< 10	< 10	72	< 10	110
L23S 14+00E	201	229	< 1	0.03	30	330	4	2	4	49	0.14	< 10	< 10	72	< 10	46
L23S 15+00E	201	229	< 1	0.01	24	250	2	< 2	4	30	0.16	< 10	< 10	72	< 10	52
L23S 16+00E	201	229	< 1	0.06	26	810	2	< 2	7	53	0.09	< 10	< 10	57	< 10	54
L23S 17+00E	201	229	< 1	0.01	27	320	4	< 2	4	24	0.13	< 10	< 10	60	< 10	80
L23S 18+00E	201	229	< 1	0.13	23	220	6	< 2	4	26	0.13	< 10	< 10	64	< 10	58
L23S 19+00E	201	229	< 1	0.03	17	300	2	< 2	6	56	0.11	< 10	< 10	45	< 10	66
L23S 20+00E	201	229	1	0.08	25	270	6	2	6	48	0.13	< 10	< 10	59	< 10	46
L23S 21+00E	201	229	< 1	0.03	21	150	4	< 2	5	49	0.14	< 10	< 10	69	< 10	46
L23S 22+00E	201	229	< 1	0.04	25	160	2	< 2	6	51	0.14	< 10	< 10	56	< 10	46
L23S 23+00E	201	229	< 1	0.02	25	130	6	< 2	7	39	0.16	< 10	< 10	56	< 10	40
L23S 24+00E	201	229	1	0.01	22	190	6	< 2	3	44	0.15	< 10	< 10	77	< 10	56
L23S 25+00E	201	229	< 1	0.01	29	680	6	< 2	3	43	0.14	< 10	< 10	74	< 10	52
L23SSS 16+00E	201	229	< 1	0.03	38	940	4	2	5	94	0.05	< 10	< 10	39	< 10	48
NO SAMPLE	201	229	< 1	0.02	22	320	6	< 2	4	34	0.15	< 10	< 10	68	< 10	78

CERTIFICATION:

*Thair D Ma*

