Geology and Sampling ROI 1-4 Claims

Greenwood Mining Division B.C.

NTS 82E/7W

Lat.	49	28	00
Long.	118	54	06

Report by R.E. Gale Phd. P.Eng.
June 30, 1995

TABLE OF CONTENTS

FIGURES

CERTIFICATE

APPENDIX

SUMMARY

During the late summer of 1994 and early part of June 1995, a program of geological mapping, geochem soil survey and sampling of mineralized areas was carried out on the ROI 1 and 2 claims, Triple Lakes Area, Greenwood M.D. The results of this work are the subject of this report.

The ROI claims cover an area previously held as reverted Crown Grants, L573 - OK claim and L574 - Ivanhoe claim. These two reverted claims plus reverted claims L 2845 - Boston and part of L 2867 - Mexico were restaked by the author on July 18, 1994. The DAN 1-4 claims which partly overlap the ROI 1 and 2 claims on their west side, were added in August 1994 to cover other old showings further west.

The work was done mainly on the ROI 1 and 2 claims. These 2 claims have been clearcut and partly replanted. Outcrop is abundant especially along the east and central part of the claims but is less abundant along the west side where most of the soil and rock sampling was done.

The most abundant rock is hornblende diorite and quartz diorite of the Cretaceous Nelson Intrusions. Along the western side of the claims, the quartz diorite is in intrusive and fault contact with greenstone of the Permian Anarchist Formation. Both the quartz diorite and greenstone are cut by porphyritic andesite dykes and are silicifed and cut by small quartz veins and irregular replacements which carry pyrite, pyrrhotite and arsenopyrite. Anomalous to significant amounts of gold and silver accompany the sulphides in the quartz altered rocks.

A north-south trending structure, possibly a steep-dipping fault cuts the quartz diorite and greenstone near the west side of the claims, paralleling their west margin. On the west side of this inferred structure in the Main Showing,one, and possibly 2, NE trending quartz-sulphide veins or replacements occur close to the fault. About 500 metres south of the Main Showing, in what I have termed the South Showing,3 pod-like masses of quartz,pyrrhotite,pyrite occur in a NNW trending zone on the east side of the inferred fault.

In the Main Showing, partly exposed in old trenches, a 0.3 metre wide quartz vein carries up to 23.3 gms (0.75 oz.) per ton Au. in a picked sample of massive pyrite. Of 30 soil samples taken along the inferred fault trend north and south of the vein showing 6 samples are believed to show anomalous Au values from 5 to 280 PPB Au. The plotted soil sample results suggest the vein may extend under cover 75M to the NE. An offset of the vein to the west, or a different vein, appears to extend to 150M north. One anomalous sample at 125S suggests that an offset of the vein could extend 125M south of the Main Showing.

In the South Showing, 3 different pits covering a distance of about 50M, north-south, expose 1-2M wide pods of massive pyrrhotite and pyrite in silicified greenstone hornfels. The sulphides carry 60 to 305 PPB Au. These mineralized bodies may be faulted segments of a NNW trending vein system related to the inferred northerly trending fault which runs 500M north to the Main Showing.

The old trenches in the Main and South showing need to be cleaned out and mapped and sampled in detail. Soil sampling is an effective way to seek vein extensions in the area and further soil sampling in conjunction with trenching is recommended to define drill targets.

According to the old reports, the adjoining DAN claims also cover gold showings with potential for future exploration and showings on these claims should be investigated and sampled.

INTRODUCTION

Background data including old BC Minister of Mines reports suggested that significant gold values were present on the OK and Ivanhoe Claims and consequently, the ROI 1-4 claims were staked over the area on July 18, 1994 when the reverted Crown Grant claims were opened to re-staking.

Work on the claims including geological mapping, rock sampling and soil sampling was carried out during 3 periods, August 8-9 and September 16-17, 1994 and June 6-7, 1995. Work was done by the author assisted by Alan Hall.

All of the work was done on the ROI claims as they are deemed to have the best potential for significant gold mineralization. The contiguous adjoining DAN 1-4 claims have not been explored to date but will be retained for upcoming exploration.

LOCATION - ACCESS

The ROI and DAN claims are readily accessible by good gravel logging roads and are located about 20 Kms by road east of Beaverdell. The area is part of NTS 82E/7W in the Greenwood Mining Division. The location of the area is shown in Figures 1 and 2.

PHYSIOGRAPHY - TOPOGRAPHY

The area covered by the ROI 1 and 2 claims has been clearcut logged and very little vegetation is present as outcrop is abundant and soil conditions are not conducive to rapid re-forestation. The area is located on either side of Kloof Ridge at elevations of 4300 to 4500 feet. The area experiences hot dry summers, but some water is available year round in small creeks and lakes.

CLAIMS

The location of the ROI 1-4 and DAN 1-4 claims is shown in Figure 1. The claims are located in the Greenwood Mining Division, NTS 82E/7W. The owner of record is R.E. Gale.

Claim Name	Units	Tenure Numbers	Anniversary Date
ROI 1 to 4 Incl.	4	328178-328181	July 18, 1995
DAN 1 to 4 Incl.	4	329760-329763	August 9, 1995

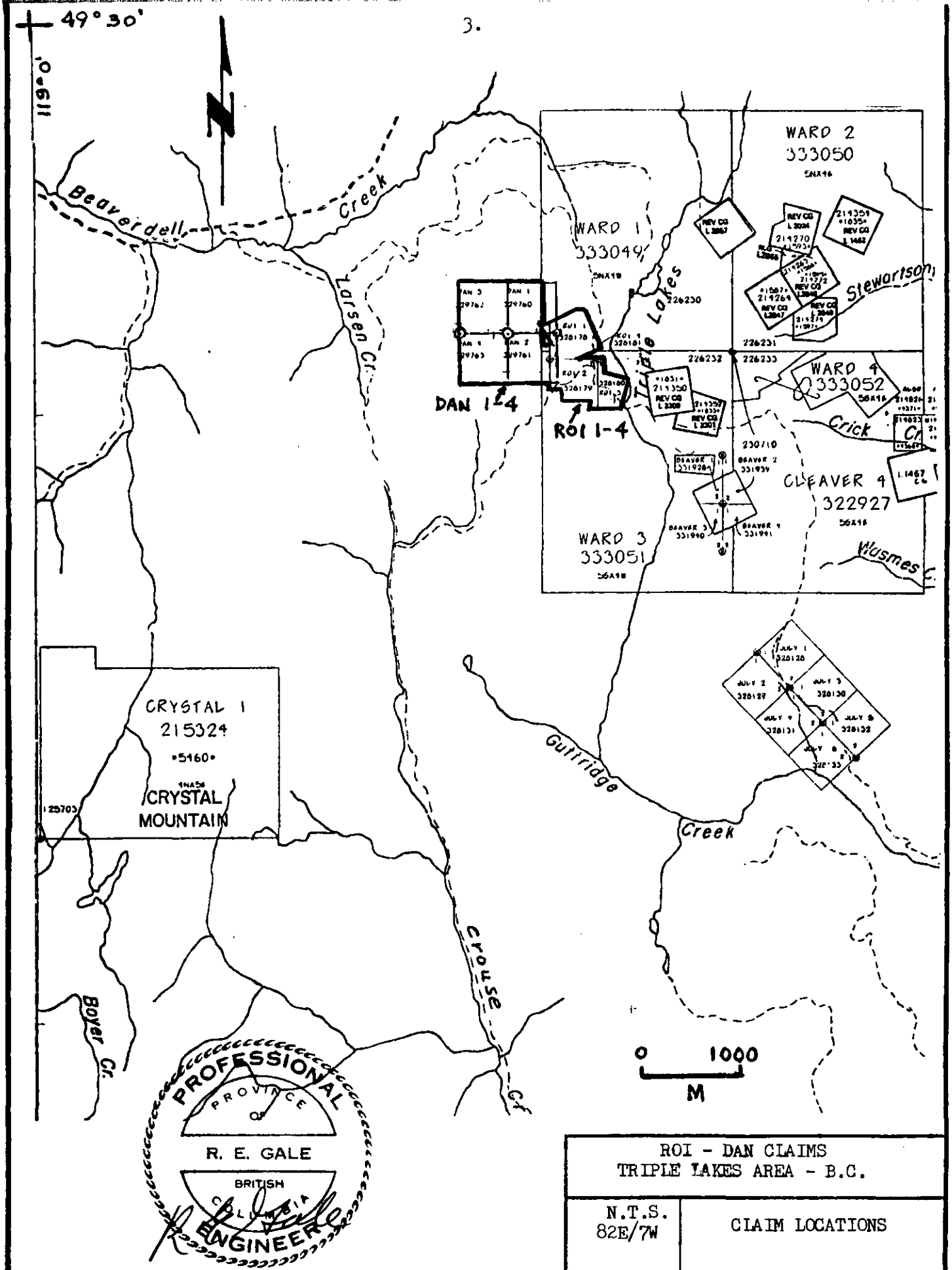
HISTORY

The ROI claims lie west of Horseshoe Mtn area, the location of the Barnato, Mogul and other claims which were staked in 1896. The OK and Ivanhoe claims were staked in about 1897 and these and other claims in the area have been worked on in a small way at intervals since the early 1900's.

Small gold shipments were made from several claims in 1938, including 5 tons giving 3 oz. gold from the OK-Ivanhoe.

In more recent times, the OK and Ivanhoe were held by Carmac Resources Ltd. in 1992(Assat Rept. 22396) noting sample OK 4 in the NE Corner of the OK claim assayed 0.21 OPT Au. The latter showing was not sampled in the present survey.

The Alameda claim now covered by the DAN 1-4 claims is part of the former Larson and Burns claims which are briefly reported on in Assessment Report 11972 (Moonlight claim) done in 1983.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. E. GALE

R.E. GALE AND ASSOCIATES INC.

ROI - DAN CLAIMS TRIPLE LAKES AREA - B.C.			
N.T.S. 82E/7W	CLAIM LOCATIONS		
Scale 1:50,000	Date 6/95	Approved	File No. FIG.1

REGIONAL GEOLOGY

Figure 2 shows the Regional Geology of the area, as taken from GSC Maps 15-1961 and 6-1957.

Unit 1, the oldest rocks in the area are part of the Anarchist Gp. believed to be of Permian age. These are greywacke, greenstone, quartzite and limestone. These rocks are often strongly folded and faulted and metamorphosed to hornfels.

The Anarchist rocks are intruded by stocks of the Nelson Batholith of Cretaceous age, principally granodiorite and quartz diorite. The Nelson intrusions are followed by the Valhalla granitic intrusions, also of Cretaceous age.

Tertiary rocks of Unit 4 consist of sedimentary and volcanic rocks which are followed by the youngest intrusive rocks, syenite of the Coryell intrusions.

Mineralization in the area is principally represented by the silver veins of Beaverdell at the Highland Bell Mine, now idle. At Highland Bell, numerous quartz-calcite-sulphide veins carrying silver minerals occur in easterly and northerly trending veins in quartz diorite and quartz monzonite of the Nelson intrusive phase close to their contact with Anarchist (Wallace Group) rocks. The veins are cut off and offset by northerly trending faults which are both pre and post mineral in age.

It appears that mineralization on the ROI - DAN claims and Horseshoe Mtn (Barnato etc claims) areas may have a similar geological setting to that in the Highland Bell Mine area, but on the ROI claims, the mineralization as presently known is low in silver and high in gold and arsenic. The inferred north-south fault on the west side of the ROI claims may be a feeder fault which controls and localizes the veins seen in the Main and South showings. These NE and NW veins could be conjugate tensional veins related to movements on the N-S fault.

LOCAL GEOLOGY

Most of the area shown in Figure 3 has outcrops of weakly altered hornblende quartz diorite which is strongly fractured and has oxidized pyrite and mafic minerals along fractures.

Three areas of silicified Anarchist hornfels carrying abundant pyrite occur in the area. The first lies in the southern part of ROI 3 in the area of samples 61499, 61500, 25718 and RS 13. The hornfels adjoins contacts with quartz diorite and both rocks are cut by late grey andesite porphyry of probable Tertiary age.

A second area of hornfels lies in the area of the South showing around samples RS 5, 6 and 7.

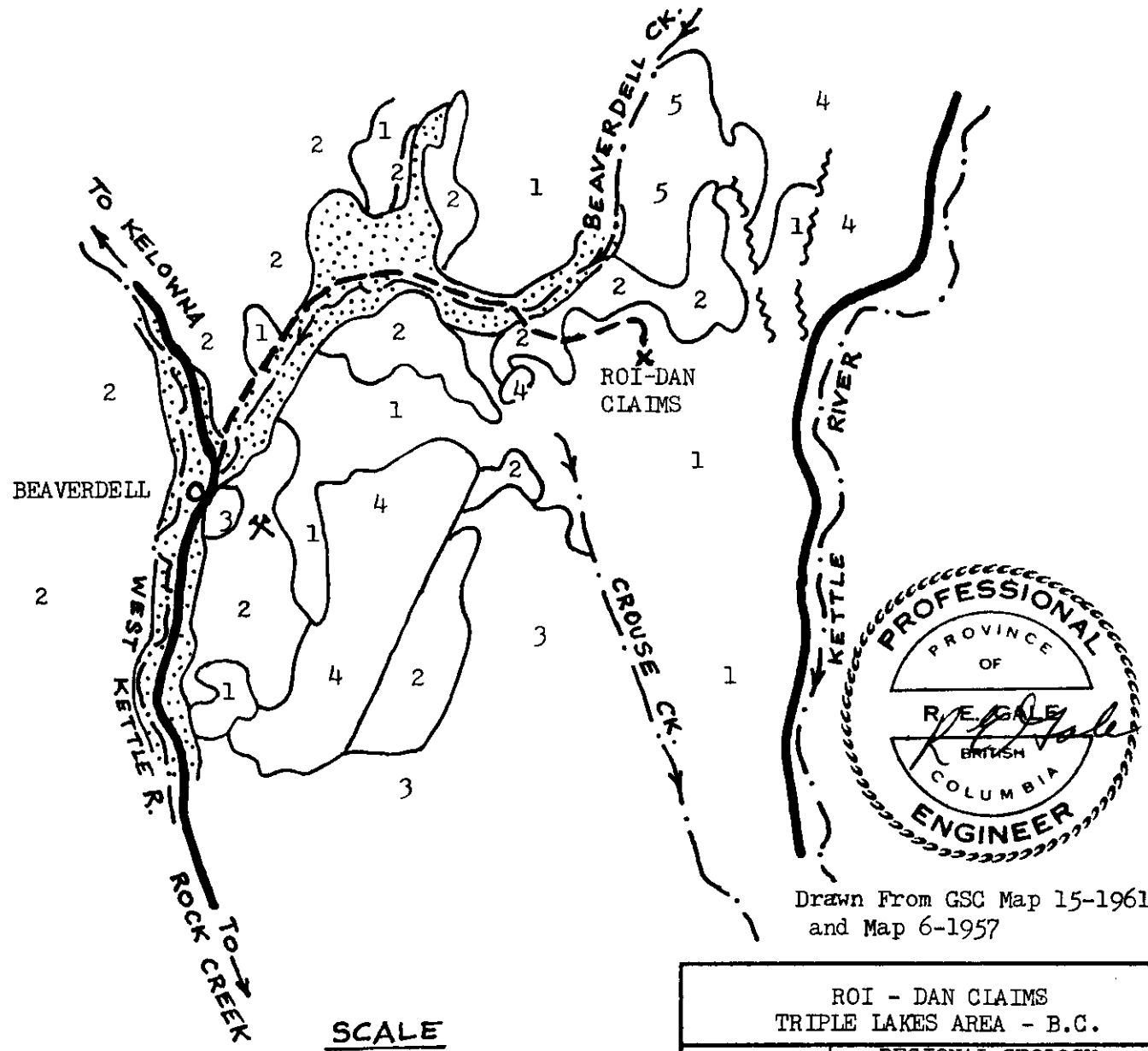
A third area of hornfels carrying strong disseminated pyrite is near the NW corner of ROI 1 near samples RS 8 - 11.

The inferred N-S fault, as shown in Figure 3, is visible on airphotos but is not readily apparent on the ground. The fault connects the known areas of anomalous gold mineralization in the Main and South showings. Other areas of veining carrying gold mineralization may be present under overburden along the fault trace.

A description of samples whose locations are shown in Figure 3 and 4 is included under the discussion of gold mineralization. A copy of assay results is included in the appendix.

LEGEND

RECENT	Alluvium
5 PALEOCENE-EOCENE	Coryell Intrusions - Syenite
4 PALEOCENE-EOCENE	Congl. Ss. Shale Tuff
3 CRETACEOUS ?	Valhalla Intrusions - Granite
2 CRETACEOUS ?	Nelson Intrusions - Granodiorite, Quartz Diorite
1 PERMIAN ?	Anarchist Gp. - Greenstone, Greywacke, Qtzt. Lms.
	HIGHLAND BELL MINE
	FAULT



Drawn From GSC Map 15-1961 and Map 6-1957

SCALE

0 4 MI.

0 5 KMS.

R.E. GALE AND ASSOCIATES INC.

ROI - DAN CLAIMS
TRIPLE LAKES AREA - B.C.

N.T.S. 82E /7W	REGIONAL GEOLOGY AND CLAIM LOCATIONS		
Scale	Date 6/95	Approved	File No. FIG. 2

SOIL GEOCHEMISTRY

Thirty soil samples were collected along the inferred fault trend north and south of the Main Showing. The purpose of the soil sampling was to see if the extent of the gold-bearing vein could be determined and to see how effective soil sampling could be in the area.

Samples were collected from the C horizon at depths of 6 inches to 1 foot below the surface. All samples were analyzed by Chemex Labs for Au and Ag by FA bead and AA analysis. Statistical treatment of results is not warranted because of the small number of samples involved. Six samples which are interpreted to be anomalous range from a low of 5 PPB Au to a high of 280 PPB Au.

The results are plotted on Figure 4. Possible vein extensions based on the results are also noted.

Farther sampling to the north and south of Figure 4 is warranted and some trenching in the areas of vein projection is also required.

Soil sample results are included in the Appendix.

GOLD MINERALIZATION

With reference to Figure 4 and the accompanying description of samples it is noted that the best gold values all occur in picked samples taken from dumps near the Main Showing. The trenches and pits from which the dumps are derived are in sloughed condition and require cleaning out before the geological relationships of the vein or veins to the wallrocks can be determined. All samples are vein material from veins cutting altered quartz diorite.

Sample 25719, finely pulverized oxidized pyrite assayed 2140 PPB Au, 194 PPM As and 8 PPM Bi.

Sample 25720, massive pyrite, arsenopyrite, galena and sphalerite in quartz vein assayed 10.4 g/t (0.33 oz/t) Au, 14.6 PPM Ag, > 10,000 PPM As, 50 PPM Bi, 1330 PPM Pb and 2130 PPM Zn.

Sample RS 4, massive pyrite, assayed 23.3 g/t (0.75 oz/t) Au, 7.2 PPM Ag, 64 PPM As, 216 PPM Bi and 2110 PPM Cu.

Sample RS 12, massive pyrite and pyrrhotite assayed 270 PPB Au, 5.0 PPM Ag, 274 PPM As, 44 PPM Bi and 290 PPM Cu.

It is apparent by comparison of these results that elevated amounts of Au, As and Bi are common to all these samples and that Ag,Cu,Pb and Zn concentrations may also occur. It appears that the samples are derived from one or more veins of common origin.

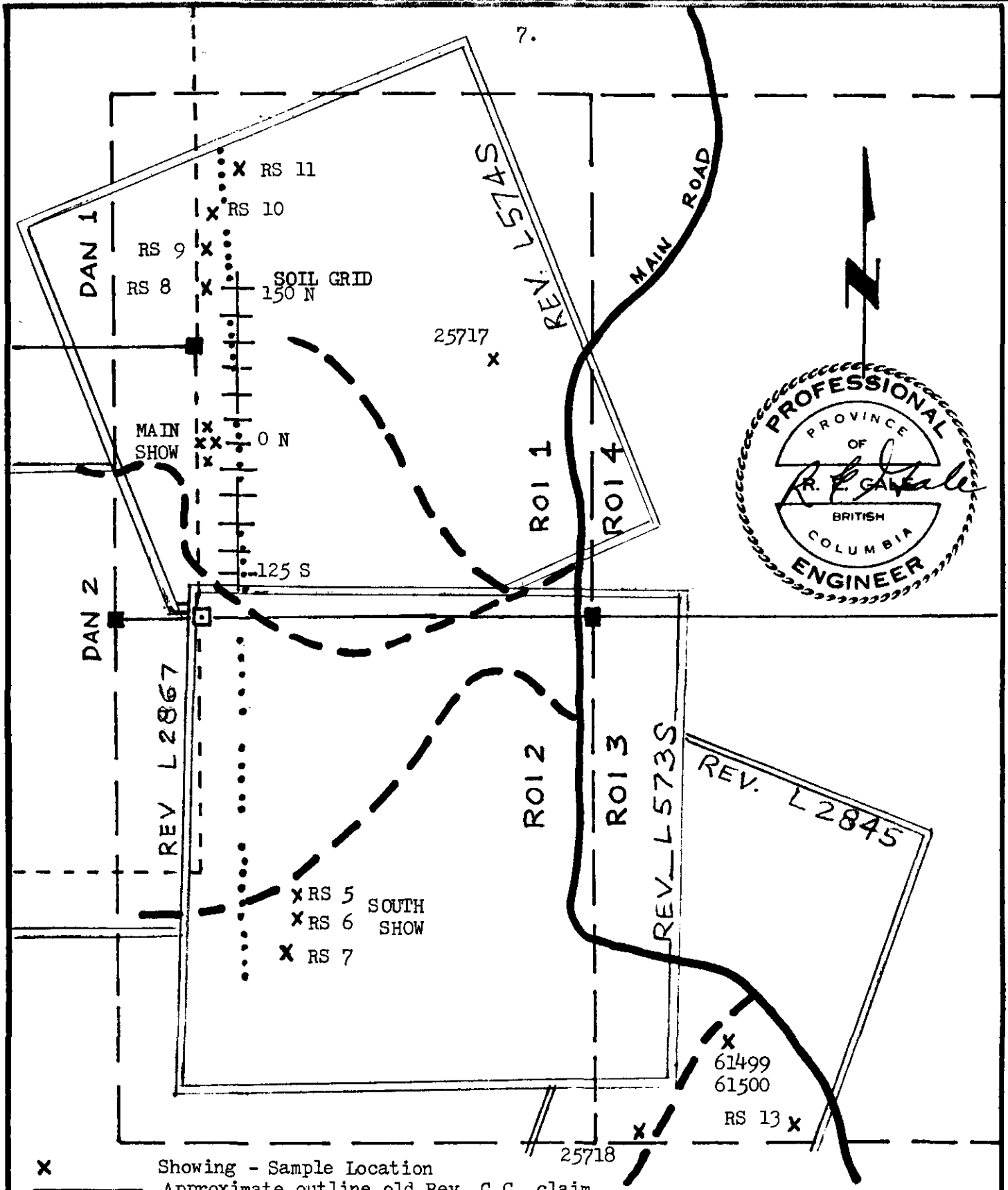
Sample RS 8, located near the north end of Figure 4, is of interest as it may indicate the existence of another vein uphill to the west of its location. RS 8 is float - silicified quartz diorite and assayed 80 PPB Au and 4890 PPM As. This result deserves followup prospecting and trenching here.

In the South Showing, samples of massive pyrrhotite and pyrite in silicified Anarchist hornfels - location as indicated on Figure 3, the significant assay results are as follows:

Sample RS 5	60PPB Au	0.4 PPM Ag	855 PPM Cu
RS 6	85 "	0.2 "	748 "
RS 7	305 "	0.2 "	307 "

All of these samples from 3 different wide spaced pits also represent vein material of common origin which is different from that in the Main Showing.

Cleaning out of these trenches, detailed mapping and more soil geochemical sampling is required to better evaluate these showings.



× Showing - Sample Location

Approximate outline old Rev. C.G. claim

■ Roi and Dan claimpost location

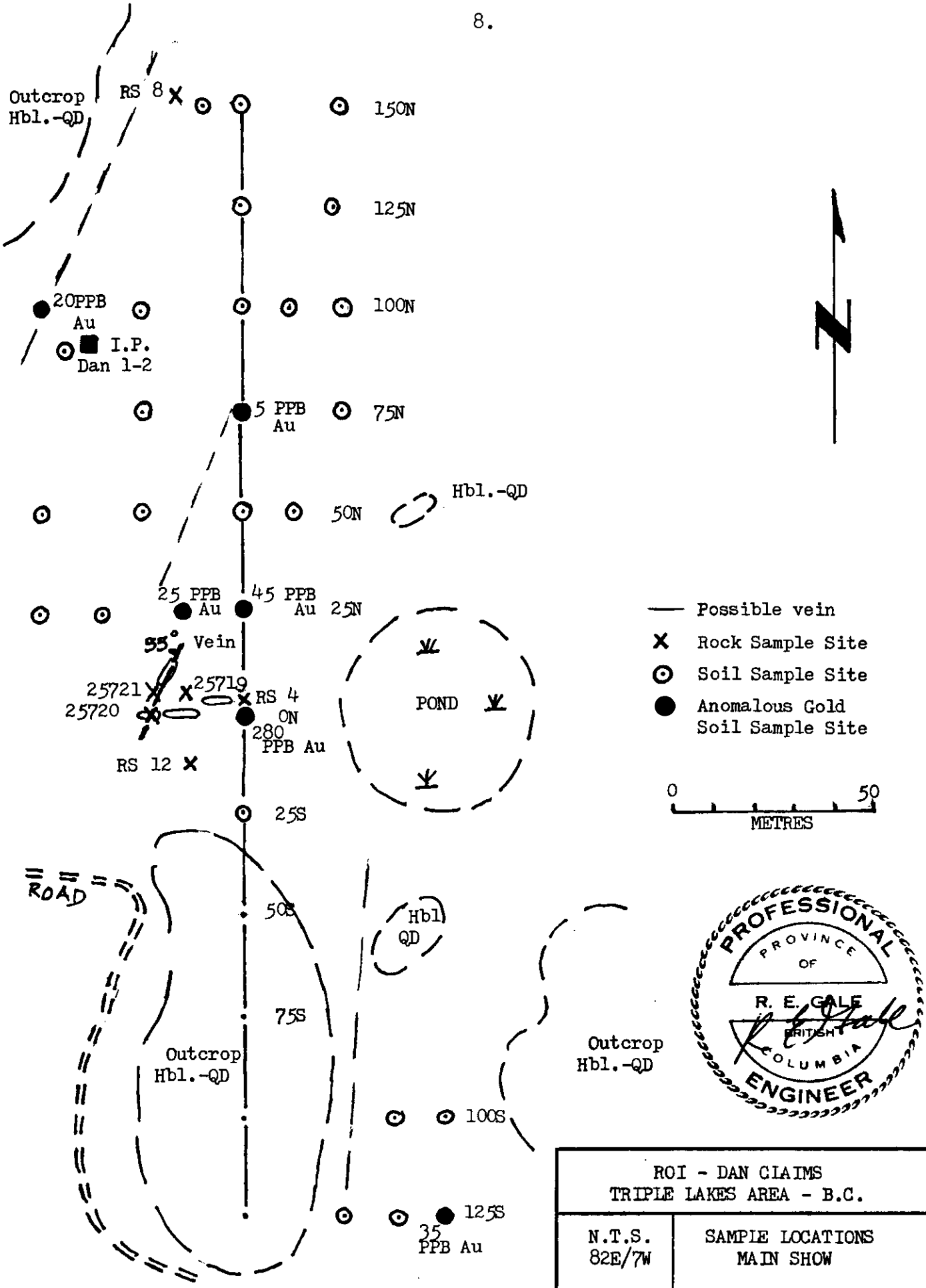
⊡ CP - Ward 1 and 3(Phelps Dodge)

• • • • • Airphoto Linear

0 100 200
Metres

R.E. GALE AND ASSOCIATES INC.

ROI - DAN CLAIMS TRIPLE LAKES AREA - B.C.			
N.T.S. 82E/7W	SAMPLE LOCATIONS		
Scale	Date 6/95	Approved	File No. FIG. 3



ROI - DAN CLAIMS TRIPLE LAKES AREA - B.C.	
N.T.S. 82E/7W	SAMPLE LOCATIONS MAIN SHOW

Scale	Date	Approved	File No.
1:1250	6/95		FIG. 4

R.E. GALE AND ASSOCIATES INC.

Sample Descriptions

Sample No.	Description
61499	Picked sample-strong pyrite in dark green Anarchist hornfels
61500	Silicified hornblende quartz diorite intrusive w/ wk. pyrite
25717	Float - Silicified quartz diorite with strong pyrite
25718	Hornfels - Anarchist rock with strong pyrite
25719	Grab sample - Dump of fine grained oxidized pyrite-Main Show
25720	Picked sample - quartz vein with strong sulphides-Main Show
25721	Silicified qtz diorite-hanging wall country rock-Main Show
RS 4	Picked sample -small dump massive pyrite-east side Main Show
RS 5	Picked sample-massive pyrrhotite-pyrite - dump -South Show
RS 6	As above - dump 25M south of RS 5
RS 7	As above - dump 30M southeast of RS 6
RS 8	Picked float sample, altered qtz-diorite w/ diss. sulphides
RS 9	Picked float - hornfels with disseminated pyrite
RS 10	Similar to above
RS 11	Similar to above
RS 12	Picked sample - massive pyrite -dump south side of Main Show
RS 13	Picked sample - strong disseminated pyrite in hornfels.

CONCLUSIONS RECOMMENDATIONS

Two separate vein showings carrying significant to anomalous gold values are located in proximity to an inferred north-south fault cutting Anarchist sedimentary-volcanic rocks and Nelson quartz diorite. The potential zone of minerlization is more than 600 metres long.

The geology on the ROI - DAN claims bears some resemblence to the Highland Bell vein model except in the latter area the veins are mainly rich in silver rather than gold.

Further work is warranted on the ROI and DAN claims including more regional and detailed mapping and sampling, geochemical soil sampling and trenching in order to outline a target or targets worthy of diamond drilling.

R E Gale

R.E. Gale PhD. , P. Eng.
June 30, 1995

COST STATEMENT

Geologist fees - Aug 9, Sept 16,17 June 6,7-5 days @ $400	-	$2000.00
Assistant fees- Alan Hall 5 days @ $ 75	-	375.00
Truck rental 5 days @ $50 per day	-	250.00
Gas and oil charges	-	266.93
Motel rentals	-	131.90
Food	-	132.68
Assay charges - 17 Rock Samples -Chemex Labs	-	409.16
- 30 Soil Samples -Chemex Labs	-	458.42
Report writing and drafting - 1 day @ $400 per day	-	400.00
Miscellaneous charges	-	76.42
Total Costs		$4500.51

R.E. Gale Phd., P.Eng.
June 30, 1995

REFERENCES

BC Minister of Mines Reports 1901 - page 1137
1923 - page A184
1938 - page D22

Kidd, D.F. and Perry,O.S, 1957, Beaverdell Camp, in CIMM 6th Mining Congress Volume, page 136 - 141.

Peto, Peter, 1983, BC Assessment Report 11972 - Moonlight Claim.

Visagie, D.A. 1992 BC Assessment Report 22396 - Barnato Group - Carmac Resources Ltd.

Vulimiri, M.R. 1989 BC Assessment Report 19524 - Barnato etc. claims - Carmac Resources Ltd.

GSC Maps 15-1961 and 6 - 1957

CERTIFICATE

I Robert E. Gale do hereby certify that:

1. I am a consulting geologist with R.E. Gale and Associates Inc. with my office at 107-2274 Folkestone Way, West Vancouver, B.C.

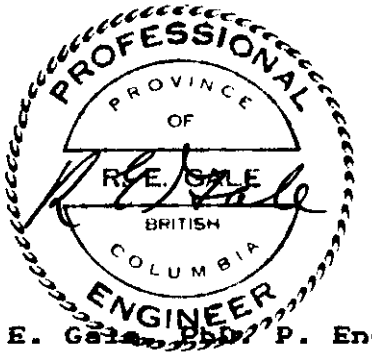
2. I graduated from Stanford University with a PhD. in geology in 1965.

3. I have been practicing my profession as geologist for forty years.

4. I have been a Member in good standing with the The Association of Professional Engineers and Geoscientists of B.C. since 1966.

5. This report is based on my examination of the ROI 1-4 CLAIMS on August 9, September 16,17, 1994 and June 6,7 1995 plus research of all available pertinent data.

6. I am the recorded owner of the ROI 1-4 and DAN 1-4 mining claims.



Robert E. Gale, PhD. P. Eng.
R.E. Gale and Associates Inc.

June 30, 1995

APPENDIX

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: GALE, R. E.

107 - 2274 FOLKESTONE WAY
WEST VANCOUVER, BC
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Project :
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 03-AUG-94
Invoice No. : I9420997
P.O. Number :
Account : CNF

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61500	205	226	35	< 0.2	1.70	8	30	< 0.5	< 2	1.32	< 0.5	7	50	51	2.78	10	< 1	0.08	< 10	0.68	230

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61500	205	226	< 1	0.14	3	850	< 2	< 2	2	76	0.11	< 10	< 10	55	< 10	30

Hans Bichler

Chemex Labs Ltd.

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Account :CNF

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25717	205	294	< 5	0.2	1.43	8	40	< 0.5	< 2	0.85	< 0.5	17	195	225	5.66	< 10	< 1	0.28	10	0.92	285
25718	205	294	< 5	0.4	1.55	2	20	< 0.5	< 2	0.74	< 0.5	10	79	244	4.88	< 10	< 1	0.05	10	0.54	115
25719	205	294	2140	0.6	1.84	194	60	< 0.5	8	0.80	< 0.5	9	83	114	3.97	< 10	< 1	0.18	10	0.79	310

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25719	205	294	2	0.09	8	840	8	< 2	5	51	0.13	< 10	< 10	65	< 10	32

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25721	205	294	40	-----	< 0.2	1.87	70	60	< 0.5	10	1.01	< 0.5	7	61	58	2.63	< 10	< 1	0.12	< 10	0.92

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25721	205	294	345	2	0.10	6	980	< 2	< 2	4	59	0.14	< 10	< 10	72	< 10	28

CERTIFICATION:

Chemex Labs Ltd.

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Project :
Comments: ATTN: ROBERT E. GALE

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P.O. Number :
Account : CNF

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RS#04	205	226	>10000	23.30	7.2	0.22	64	< 10	< 0.5	216	0.06	< 0.5	48	166	2110	>15.00	< 10	1	0.03	< 10	0.07
RS#05	205	226	60	-----	0.4	0.30	< 2	< 10	< 0.5	< 2	1.26	< 0.5	120	18	855	13.65	< 10	1	0.03	< 10	0.06
RS#06	205	226	85	-----	0.2	0.55	26	10	< 0.5	< 2	0.60	1.0	227	17	748	>15.00	10	2	0.04	< 10	0.13
RS#07	205	226	305	-----	0.2	0.56	4	< 10	< 0.5	< 2	1.52	< 0.5	40	66	307	7.33	< 10	< 1	0.02	< 10	0.09
RS#08	205	226	80	-----	< 0.2	0.73	4890	60	< 0.5	< 2	1.74	< 0.5	34	158	131	4.09	< 10	< 1	0.06	< 10	0.13
RS#09	205	226	< 5	-----	< 0.2	0.58	8	70	< 0.5	< 2	0.71	< 0.5	7	165	101	2.09	< 10	< 1	0.10	< 10	0.14
RS#10	205	226	< 5	-----	< 0.2	0.62	8	70	< 0.5	< 2	0.75	< 0.5	9	143	67	1.77	< 10	< 1	0.08	< 10	0.30
RS#11	205	226	< 5	-----	0.2	1.08	4	30	< 0.5	< 2	0.89	< 0.5	14	139	156	3.89	< 10	< 1	0.08	< 10	0.52
RS#12	205	226	270	-----	5.0	1.22	274	< 10	< 0.5	44	0.23	< 0.5	39	151	290	>15.00	< 10	< 1	0.06	< 10	0.36
RS#13	205	226	5	-----	< 0.2	0.64	6	70	< 0.5	< 2	0.89	< 0.5	6	167	81	2.11	< 10	< 1	0.10	< 10	0.15

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: GALE, R. E.

107 - 2274 FOLKESTONE WAY
WEST VANCOUVER, BC
V7S 2X7

Project :
Comments: ATTN: ROBERT E. GALE

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-JUN-95
Invoice No. : I9519159
P.O. Number :
Account : CNF

CERTIFICATE OF ANALYSIS A9519159

SAMPLE	PREP CODE	Mn ppm	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
RS#04	205 226	55	2	< 0.01	19	90	6	< 2	< 1	1	< 0.01	< 10	10	8	< 10	18
RS#05	205 226	270	37	0.03	12	690	2	< 2	< 1	10	0.01	< 10	< 10	58	< 10	6
RS#06	205 226	285	6	0.02	46	450	2	< 2	< 1	5	0.02	< 10	10	140	< 10	6
RS#07	205 226	255	12	0.01	21	720	< 2	< 2	< 1	35	0.07	< 10	< 10	17	20	14
RS#08	205 226	230	20	0.01	13	650	2	< 2	1	66	0.09	< 10	< 10	33	< 10	8
RS#09	205 226	50	1	0.09	21	610	< 2	< 2	2	73	0.22	< 10	< 10	46	< 10	6
RS#10	205 226	190	2	0.07	31	580	< 2	< 2	1	41	0.19	< 10	< 10	40	< 10	34
RS#11	205 226	470	17	0.07	28	720	< 2	< 2	4	52	0.18	< 10	< 10	65	< 10	32
RS#12	205 226	160	3	< 0.01	13	210	6	< 2	3	8	< 0.01	< 10	< 10	39	< 10	10
RS#13	205 226	105	< 1	0.08	30	590	< 2	< 2	3	46	0.22	< 10	< 10	39	< 10	16

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Project :
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Page Number :1
Total Pages :1
Certificate Date: 15-JUN-95
Invoice No. :19519158
P.O. Number :
Account :CNF

CERTIFICATE OF ANALYSIS A9519158

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R
0N-0W	201	238	280	0.4
25N-15W	201	238	25	< 0.2
25N-35W	201	238	< 5	0.2
25N-50W	201	238	< 5	< 0.2
50N-25W	201	238	< 5	< 0.2
75N-25W	201	238	< 5	< 0.2
90N-40W	201	238	< 5	< 0.2
100N-25W	201	238	< 5	< 0.2
100N-50W	201	238	20	< 0.2
125N-0W	201	238	< 5	< 0.2
150N-0W	201	238	< 5	0.2
150N-10W	201	238	< 5	< 0.2
25N-10E	201	238	< 5	< 0.2
50N-13E	201	238	< 5	< 0.2
50N-50E/W	201	238	< 5	< 0.2
75N-25E	201	238	< 5	< 0.2
100N-12E	201	238	< 5	< 0.2
100N-25E	201	238	< 5	< 0.2
125N-25E	201	238	< 5	< 0.2
150N-25E	201	238	< 5	< 0.2
100S-38E	201	238	< 5	< 0.2
100S-50E	201	238	< 5	< 0.2
125S-25E	201	238	< 5	< 0.2
125S-38E	201	238	< 5	< 0.2
125S-50E	201	238	35	< 0.2
0W-25N	201	238	45	< 0.2
0W-50N	201	238	< 5	< 0.2
0W-75N	201	238	5	< 0.2
0W-100N	201	238	< 5	< 0.2
0W-25S	201	238	< 5	< 0.2