

83-#148-#11154

1982

GEOCHEMICAL REPORT ON THE

BEALE GROUP

(Beale #1-4)

Liard Mining Division, British Columbia

March, 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,154

GEOCHEMICAL REPORT

ON THE

BEALE GROUP

(BEALE #1-4)

LIARD MINING DIVISION, BRITISH COLUMBIA

27 km southeast of McDame, B.C.
Latitude 58°58'N, Longitude 129°00'W
N.T.S. 104-I/14E, 15W

FOR

REGIONAL RESOURCES LTD.

1418-355 Burrard Street
Vancouver, B.C. V6C 2G8

BY

J. D. Rowe, B.Sc.

Supervised by: O. S. Hairsine, P.Eng.

CORDILLERAN ENGINEERING
1418-355 Burrard Street
Vancouver, B.C. V6C 2G8

CLAIMS

Beale #1-4

RECORD NUMBERS

751 - 754 inclusive

EXPIRY DATE

April 19, 1983

WORK PERIOD: July 12 to July 18, 1982

March, 1983



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I N T R O D U C T I O N

CHAPTER 1.0

I N T R O D U C T I O N

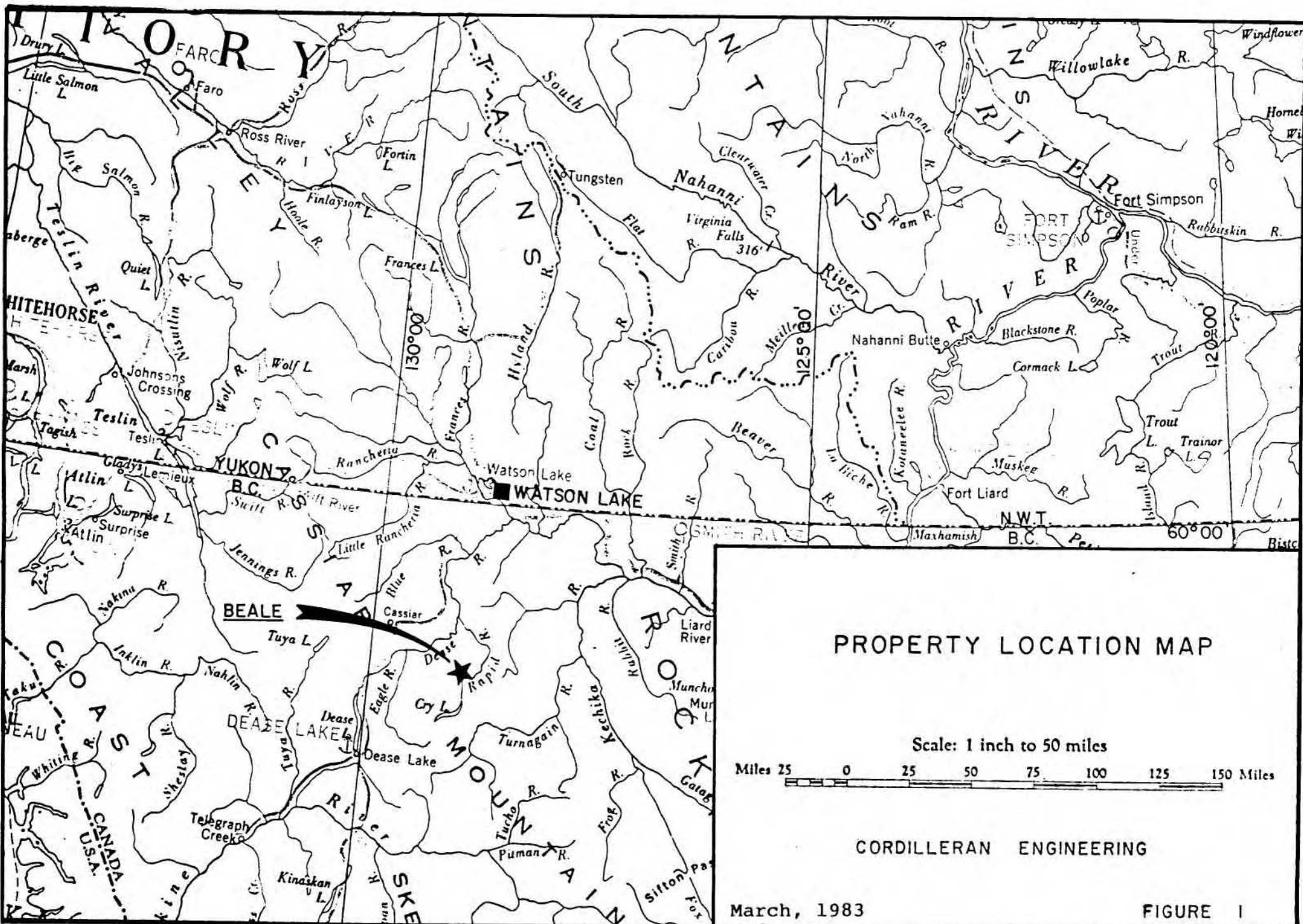
The Beale claims were staked in April, 1979 for Regional Resources Ltd. to cover an area of previously located high gold geochemistry. The claim area contains strong topographic lineaments with associated quartz-carbonate veins and local silicification and pyritization which are regarded as potential targets for gold and silver.

During the period July 12 to 18, 1982, 14 mandays of work were conducted on Beale #4 claim to prospect areas of anomalous gold-silver soil geochemistry. Twenty one float and rock chip samples were collected across veins or altered rocks. In January, 1983, 40 selected soil samples which had been collected during 1979 were analysed for a suite of 31 elements.

The property is accessible by helicopter from McDame, B.C., 27 km to the northwest, or from Cassiar, B.C., 59 km to the northwest (Figure 1). A winter road runs from McDame up the Four-mile River to within 13 km of the Beale group.

INTRODUCTION (Cont'd)

Topographically the property is very rugged, with steep (45°+) north facing cirque walls and gentler south slopes converging in sharp ridges. Elevations range from 1200m to 2000m above sea level. Jack pine, spruce and juniper dot the slopes to about 1450m elevation. Approximately 10% outcrop exposure is confined predominantly to steep cirque walls and creek-cut banks.



C L A I M S

CHAPTER 2.0

C L A I M S

(Figure 2)

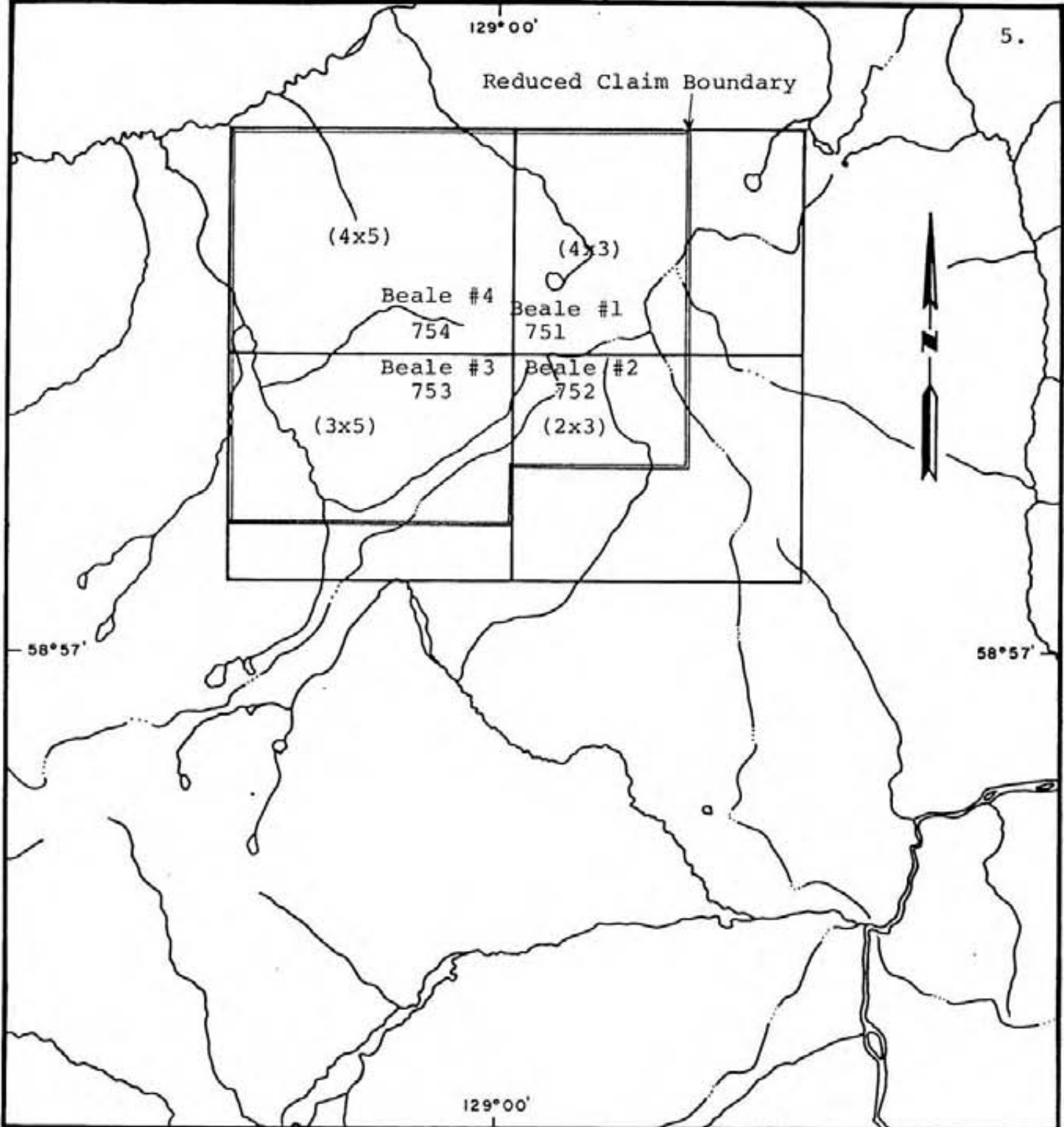
The Beale group consists of four claims of twenty units each, held in trust by J.W. Stollery for Regional Resources Ltd. They are located in the Liard Mining Division (NTS 104-I, 14E/15W) at latitude 58°58'N and longitude 129°00'W. The claims, record numbers, and expiry dates are listed below.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Beale 1	751	April 19, 1983
Beale 2	752	April 19, 1983
Beale 3	753	April 19, 1983
Beale 4	754	April 19, 1983

Application has been made to reduce the size of the Beale 1 to 3 claims. The total group will consist of 53 units.

129°00'

Reduced Claim Boundary



CLAIM MAP

BEALE GROUP

Liard Mining Division, British Columbia
N.T.S. 104 I-14E, 15W

SCALE: 1:50,000

By
CORDILLERAN ENGINEERING

March, 1983

FIGURE 2

H I S T O R Y

CHAPTER 3.0

H I S T O R Y

The ground covered by the Beale group was previously held by J. Altenburg as the Nizi #1-60 mineral claims. These had been staked in 1969 to protect massive sphalerite and galena mineralization in veins filling shear zones. British Columbia Assessment Report No. 2789 by C. E. Zimmerman, 1970, describes geology, mineral occurrences and geochemical results for 84 soil samples. In 1972 the Nizi property was optioned by Sumac Mines Limited. Assessment Report No. 4096 by T. Rodgers, 1972, describes the exploration program of geological mapping, wide spaced soil sampling, and local stream sediment and rock sampling. The Nizi claims were allowed to expire in 1973.

The Beale #1-4 claims were staked in 1979 for Regional Resources Ltd. by Cordilleran Engineering which, during that year, conducted a program of detailed soil sampling, geological mapping, prospecting and limited rock sampling. British Columbia Assessment Report No. 7818 (J.D. Rowe, 1980) describes the methods and results of that program.

G E O L O G Y

4

CHAPTER 4.0

G E O L O G Y

LITHOLOGIES

A geological map compiled during 1979 (Plate 1) indicates that the Beale #4 claim, where work was concentrated during 1982, is underlain by Triassic (?) andesite and dacite flows and tuffs. These are locally banded and commonly porphyritic. A diorite body of probable mid-Cretaceous age lies some 1000 metres east of this area.

STRUCTURE

Aerial photographs of the property illustrate numerous lineaments which probably represent fault or shear zones. Shear zones transect all rock types on the property, are steeply dipping with little evidence of displacement, and are often filled by quartz veins from a few centimetres to over 50 cm in thickness. The strongest linear trend is northeast with secondary sets trending north and northwest. Major lineaments are shown on the geological map, Plate 1.

MINERALIZATION

CHAPTER 5.0

MINERALIZATION

Massive sphalerite, pyrite, and galena with high grade silver occur within irregular vein systems which vary from a few centimetres to one metre in thickness. A 20 cm chip sample (No. 4581) across one of these veins assayed 68.50 oz. Ag per ton, 13.00% Zn, 7.70% Pb, and 0.089 oz. Au per ton. Milky white to grey quartz veins from a few centimetres to 4 metres thick contain less than 1% to greater than 30% finely disseminated pyrite and occasional arsenopyrite, chalcopyrite and stibnite, with locally significant values of gold and silver. A previously collected float sample of this material assayed 0.36 oz. Au per ton, 7.12 oz. Ag per ton, and 0.46% As, (Rowe, 1980). Rusty-brown weathering veins of intergrown quartz and carbonate (ankerite?), with local disseminated pyrite, sphalerite and galena, vary from a few centimetres to greater than one metre in thickness.

MINERALIZATION (Cont'd)

Pyrite is abundant as stringers and disseminations in silicified and carbonatized alteration zones near lineaments. An assay of brecciated andesite with pyrite matrix returned values of 0.080 oz. Au per ton and 2.29 oz. Ag per ton, (No. 4577). Manganese oxide stain is prominent on weathered surfaces, especially near shear zones and veins.

G E O C H E M I S T R Y

6

CHAPTER 6.0

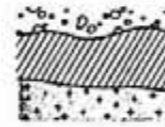
G E O C H E M I S T R Y

ROCK SAMPLES

Continuous chip samples or selected chips from bedrock or float boulders were collected from potentially mineralized rocks. Sixteen samples consisted of quartz vein material with variable amounts of carbonate and sulphide minerals and five samples consisted of altered volcanic rocks with sulphide veins and/or disseminations. Length, rock type, and assay results for all of the samples are presented on Table I; locations with gold and silver values are plotted on the geological map, Plate 1.

Samples, consisting of 2 to 4 kilograms of rock chips, were shipped to the laboratory of Bondar-Clegg and Company Ltd. in North Vancouver, B.C., where they were crushed and ground to -100 mesh size. All samples were assayed for gold and silver using fire assay and atomic absorption techniques. Some of the samples were assayed for copper, lead, zinc and barium using atomic absorption spectroscopy.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 983-0681
Telex: 04-352667



BONDAR-CLEGG

Certificate
of Analysis

REPORT: 422-2006 PROJECT: BEALE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	As OPT	Cu PCT	Pb PCT	Zn PCT	Ba PCT	SAMPLE DESCRIPTION	NOTES
R 4577		0.080	2.29					Float - Andesite breccia, 15% Py matrix	
R 4578		0.032	14.90	0.03	0.62	4.55		30cm - Sp, Gn, Py, Qz vein	
R 4579		0.005	1.19	<0.01	0.16	0.34		Grab - altered andesite wallrock to above vein	
R 4580		0.002	0.39					Selected chips - altered rhyolite, 5% dissem. Py	
R 4581		0.089	68.50	0.10	7.70	13.00	0.99	20cm - Sp, Gn, Py, Aspy, Qz vein	
R 4582		0.052	4.41		0.44		0.04	20cm - Drusy Qz, MnO ₂ + silvery needles (stibnite?)	
R 4583		0.016	0.41					Float - Rusty, drusy Qz vein	
R 4584		0.008	0.58					Float - Rusty, drusy Qz vein, minor Py	
R 4585		0.002	0.38					2.0m - Qz vein, minor dissem. Py + limonite	
R 4586		0.011	1.97				4.2m	1.0m - cont. Qz vein + rusty weathered rock + soil	
R 4587		0.010	2.65					1.2m - cont. rusty weath. Qz, breccia and soil	
R 4588		0.002	0.33					Selected chips - Qz vein, abundant dissem. Py	
R 4589		0.002	0.29					2.9m - Qz vein	
R 4590		0.002	0.08					2.0m - Vuggy Qz vein, abundant limonite, Py, MnO ₂ stain	
R 4591		0.002	0.13				11.3m	6.3m - cont. same vein or several parallel veins	
R 4592		<0.002	0.23					3.0m - cont. vuggy Qz + carbonate, limonite + MnO ₂	
R 4593		<0.002	0.03					Grab - Altered andesite breccia with Py	
R 4594		<0.002	0.05					Grab - Siliceous altered andesite with dissem. Py	
R 4595		0.062	73.90	0.14	3.73	6.70	0.02	25cm - Sp, Gn, Py, Qz vein - possible stibnite	
R 4596		0.002	0.75					Float - Qz - carbonate vein, dissem. Py	
R 4597		0.056	2.15					Selected - vuggy Qz vein with fine metallic wires (stibnite?) and MnO ₂ - same as #4582	

GEOCHEMISTRY (Cont'd)

The assay results indicate that sphalerite-galena veins contain high grade silver and moderate grade gold. Most of the quartz veins with disseminated pyrite contain significant silver (0.33 to 4.41 oz. Ag per ton) and some contain low to moderate gold (0.010 to 0.052 oz. Au per ton). Quartz-carbonate vein samples contain minor silver but negligible gold. Three of the altered volcanic samples contain significant silver but only one has gold of any consequence.

SOIL SAMPLES

Forty selected soil sample pulps collected during 1979 were removed from storage in January 1983 and analysed for a suite of 31 elements at Acme Analytical Labs, Vancouver, B.C. (Appendix E, Plates 2 and 3).

Samples had been collected at 50 metre intervals along flagged compass lines spaced 200 metres apart. The "B" soil horizon was sampled where present, but generally only a shallow "C" horizon was developed.

A 0.50 gram portion of each sample (-80 mesh material) was digested in a solution of hydrochloric and nitric acids and analysed for 30 different elements by atomic emission spectroscopy using an inductively coupled plasma source. Mercury content was analysed by flameless atomic absorption from a 0.50 gram sample.

GEOCHEMISTRY (Cont'd)

Geochemical results are given in Appendix E, and values for Cu, Zn, Fe, As, Sb, and Hg are plotted on Plates 2 and 3 (in pockets). There is a moderate to strong correlation between high Ag and Au (from 1980) results and high values of Cu, Pb, Zn, Mn, Fe, As, Sb, Hg and Ba. It is also of interest that the highest U, Th, and Sr values are from the sample with the greatest Au content (835 ppb., 1980). The results for the other 17 elements do not correlate well with Au and Ag values.

SUMMARY AND CONCLUSIONS



CHAPTER 7.0

SUMMARY AND CONCLUSIONS

The Beale claims (Beale 1-4) were staked in 1979 for Regional Resources Ltd., and a program of geochemical sampling, geological mapping and prospecting was conducted during that year. In July, 1982 limited prospecting and rock sampling were carried out in geochemically anomalous areas.

Rugged topography on the property is underlain by fine-grained intermediate volcanic rocks. Abundant shear zones are often filled by irregular quartz veins and occasionally by galena-sphalerite veins. Most of the vein samples collected in 1982 contained significant minor to high grade silver content. Only three samples returned gold values greater than 0.05 oz. per ton and two of those were from massive galena-sphalerite veins. Samples of altered, pyritic volcanic rocks near shear zones contained some moderate silver, but only one had significant gold (0.08 oz. per ton).

SUMMARY AND CONCLUSIONS (Cont'd)

Soil samples collected during 1979 were analysed for a suite of 31 elements during January 1983. High Au and Ag values were found to correlate well with high values of Cu, Pb, Zn, Mn, Fe, As, Sb, Hg and Ba. This supports the observation that the highest Au and Ag assays were obtained from massive galena-sphalerite vein material.

Extensive strong, multi-element soil anomalies indicate good potential for locating economic gold and silver-bearing massive sulphide veins on the Beale #4 claim.

RECOMMENDATIONS

CHAPTER 8.0

RECOMMENDATIONS

The following program is recommended for the Beale claim group. Phases II and III are success-contingent upon the results of Phase I.

PHASE I

- 1) Grid Preparation
Approximately 40 kms of picketline to be chained and flagged for survey control.
- 2) Base Map Preparation
Enlargement and correction of portions of existing photo base. Plane table survey of anomalous areas and tie-ins with grid lines.
- 3) Geochemistry
Soil/talus fine sampling to further define existing anomalies (1500 samples for Au, Ag, Pb). Rock chip sampling to evaluate host rock and gossan outcrops in areas of soil anomalies (500 samples for Au, Ag).

RECOMMENDATIONS (Cont'd)4) Geophysics

Reconnaissance induced polarization, magnetometer and MaxMin EM survey tests should be conducted to evaluate the effectiveness of these methods in defining mineralized structures in talus or overburden covered areas.

5) Trenching

A full-scale trenching and sampling program should be carried out to test geochemical anomalies, gossans and potentially mineralized structural features.

6) Geological Mapping

To be conducted concurrently with grid preparation and soil sampling. The base map at a scale of 1:5000 is to be updated, minor showings are to be mapped at scales of 1:500 and 1:100.

PHASE II

Diamond Drilling - contingent upon the success of Phase I, a program of 2000 feet of BQWL diamond drilling should be conducted to test the vertical continuity of mineralized structures and to evaluate the showings at shallow depths.

PHASE III

Contingent upon the success of Phase II, a program of 5,000 feet of BQWL diamond drilling may be warranted. The purpose of this drilling would be to test for continuity of structure and mineralized zones at depth.

Respectfully submitted

CORDILLERAN ENGINEERING

J. D. Rowe

J. D. Rowe, Geologist

SUPERVISED BY:

O. S. Hairsine
O. S. Hairsine, P.Eng.

APPENDICES


CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

WRITER'S CERTIFICATE

I, Jeffrey D. Rowe of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 1134 East 15th Street, North Vancouver, B.C., and employed by Cordilleran Engineering of 1418 - 355 Burrard Street, Vancouver, B.C., V6C 2G8
2. I received a Bachelor of Science degree from the Faculty of Geology at the University of British Columbia, Vancouver, B.C. (1975), and have practiced my profession since that time.
3. I am the author of this report which is based on results of field work conducted on the Beale 1-4 claim group during July 12 to 18, 1982 on behalf of Regional Resources Ltd.

CORDILLERAN ENGINEERING

J.D. Rowe, B.Sc.
Geologist

March, 1983

Vancouver, B.C.

CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

SUPERVISOR'S CERTIFICATE

I, Owen S. Hairsine of Burnaby, British Columbia hereby certify that:

1. I am a geological engineer residing at 7431 Ednor Crescent, Burnaby, B.C.
2. I am employed by Cordilleran Engineering of 1418-355 Burrard Street, Vancouver, British Columbia.
3. I received a Bachelor of Science degree from Michigan Technological University, Houghton, Michigan in 1969 and have practiced my profession since that time.
4. I am a member of the Association of Professional Engineers of the Province of British Columbia.
5. I supervised the writing of this report which is based on field work conducted during the period July 12 to July 18, 1982, on behalf of Regional Resources Ltd.

CORDILLERAN ENGINEERING



O.S. Hairsine, P.Eng.
Geologist

March, 1983
Vancouver, B.C.

OSH/jb

REFERENCESGABRIELSE, H.

- 1963: McDame Map-Area, Cassiar District, British Columbia,
G.S.C. Memoir 319.
- 1978: Geology of Cry Lake (104-I) Map-Area
G.S.C. Open File 610 Geological Map, 1:125,000.

RODGERS, T.

- 1972: Report on the Geology and Geochemistry of the Nizi
Group. Assessment Report 4096.

ROWE, J. D.

- 1980: Geological and Geochemical Report on the Beale Group,
Assessment Report 7818.

ZIMMERMAN, C. E.

- 1970: Geological and Geochemical Report on Nizi Group of
Mineral Claims, Assessment Report 2789.

PERSONNEL

J.D. Rowe
1134 East 15th Street,
North Vancouver, B.C.

Geologist
July 12-18, 1982
7 days
Report writing, 3.5 days

E.A. Balon
501 - 250 West 1st Street,
North Vancouver, B.C.

Prospector
July 12-18, 1982
7 days

O.S. Hairsine, P.Eng.
1418-355 Burrard Street,
Vancouver, B.C.

Supervisor
1 day

STATEMENT OF COSTS

BEALE # 1-4 CLAIMS

SALARIES and BENEFITS

J.D. Rowe	Geologist	July 12-18, 1982	7 days	\$ 814.09
		report writing	3.5 days	499.81
E.A. Balon	Prospector	July 12-18, 1982	7 days	693.07
O.S. Hairsine	P. Eng.	Supervisor	1 day	400.00

MANAGEMENT FEES

Cordilleran Engineering	1,339.19
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FOOD and ACCOMODATION

Food	July 12-18, 1982	14 man-days	358.78
Camp Equipment Rental	July 12-18, 1982	7 days	406.45

TRANSPORTATION

Helicopter - Bell 206	July 12-20, 1982	6.6 hours	2,673.00
Aviation Fuel and Drum Rental			317.46

ASSAYS and ANALYSES

21 Rock Sample Assays	- All for Au and Ag some for Cu, Pb, Zn, and Ba	378.50
40 Soil Sample Analyses	- 30 elements by ICP Hg by flameless A.A.	347.50

REPORT PREPARATION

Typing, drafting, printing (salaries, supplies)	340.00
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TOTAL COSTS	<u>\$8,567.85</u>
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ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Sr, Cr AND B. Au DETECTION 3 PPM.
MSI ANALYSIS BY FLAMELESS AA FROM .500 GRAM SAMPLE. SAMPLE TYPE - GULF

DATE RECEIVED JAN 31 1983

DATE REPORTS MAILED

Feb 7/83

ASSAYER

D. Joyce

DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINING FILE # 83-0076

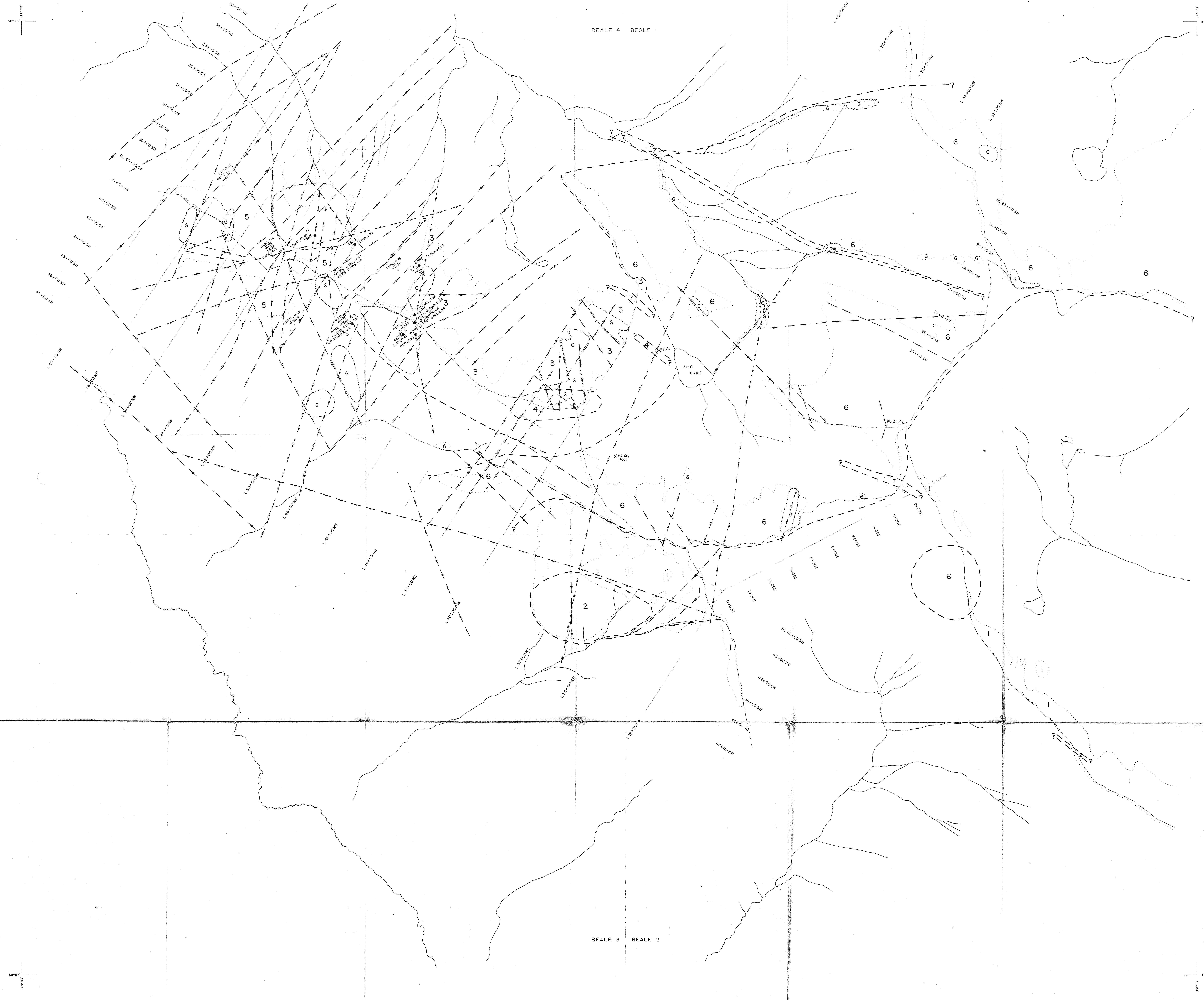
PAGE # 1

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
BE001 S2NW3200S	6	60	52	138	.5	15	10	790	3.61	89	3	ND	3	9	1	5	3	45	.12	.08	14	34	.78	228	.01	4	1.42	.01	.05	2	50
BE002 S2NW3200S	4	53	50	126	.4	15	12	353	3.45	82	2	ND	2	6	1	4	2	46	.07	.07	13	32	.82	172	.01	3	1.47	.01	.07	2	30
BE003 S2NW3300S	3	39	45	116	.1	16	11	360	4.69	69	2	ND	3	7	1	2	3	69	.08	.07	12	33	.53	129	.17	2	1.68	.01	.04	2	40
BE004 S2NW3350S	3	45	81	201	.2	14	12	365	4.55	72	2	ND	3	10	2	2	4	70	.09	.06	19	34	.60	238	.12	2	1.74	.01	.04	2	50
BE005 S2NW3400S	2	42	166	345	1.2	15	14	2904	4.57	121	3	ND	2	15	2	7	3	55	.18	.07	19	30	1.01	290	.04	6	1.52	.01	.07	2	90
BE006 S2NW3450S	1	44	144	284	1.6	16	13	1558	4.12	77	5	ND	3	12	2	4	3	53	.15	.08	15	30	.96	244	.05	2	1.55	.01	.06	2	50
BE007 S2NW3500S	2	43	140	306	2.6	18	14	1789	4.46	89	2	ND	2	14	2	5	4	58	.19	.09	18	33	.92	261	.09	2	1.67	.01	.06	2	50
BE008 S2NW3550S	2	99	421	562	8.9	16	20	3103	5.91	133	2	ND	2	17	3	13	4	69	.20	.13	27	32	.99	316	.07	2	2.12	.01	.07	2	200
BE009 S2NW3600S	2	55	188	316	7.5	14	17	2426	5.46	92	2	ND	2	11	3	13	4	78	.12	.11	17	35	.58	213	.17	2	1.51	.01	.05	2	150
BE010 S2NW3650S	2	74	276	383	5.4	18	21	3361	5.92	94	2	ND	3	16	2	8	4	69	.17	.13	23	33	.86	302	.12	2	2.12	.01	.08	2	180
BE011 S2NW3700S	1	56	177	363	4.6	9	26	4496	5.85	124	4	ND	2	15	3	10	3	52	.14	.15	14	15	.72	289	.01	4	1.38	.01	.14	2	170
BE012 S2NW3750S	1	45	92	407	1.2	6	23	6785	6.47	81	4	ND	4	19	3	2	3	47	.20	.10	22	7	1.05	417	.01	11	1.51	.01	.20	2	110
BE013 S2NW3800S	1	45	326	1187	9.5	15	37	12719	7.48	601	9	ND	7	37	8	33	2	34	.18	.11	23	10	.51	1749	.02	10	.85	.01	.10	2	280
BE014 S2NW3850S	1	65	315	1099	13.0	14	28	11137	6.65	201	5	ND	4	24	12	10	3	60	.30	.16	34	18	.83	1830	.01	11	1.48	.01	.11	2	540
BE015 S2NW3900S	1	35	752	1025	5.6	8	20	4768	5.49	206	3	ND	2	14	8	13	5	33	.12	.08	18	9	.61	286	.01	6	1.08	.01	.15	1	140
BE016 S2NW3950S	1	82	5639	2374	66.3	11	17	11670	7.78	1490	6	ND	4	52	32	176	6	33	.36	.16	13	16	.44	555	.01	13	1.04	.01	.27	2	640
STD A-1/HG	1	29	38	171	.1	33	12	958	2.46	8	3	ND	3	37	1	2	2	55	.54	.09	7	71	.77	301	.08	4	1.74	.02	.20	2	55
BE017 S2NW4050S	1	36	406	952	3.2	15	19	2311	7.63	276	2	ND	2	25	3	12	6	37	.02	.14	17	19	.43	485	.01	3	1.04	.01	.28	2	80
BE018 S2NW4100S	1	48	496	1040	7.0	54	27	4328	5.37	170	3	ND	3	9	5	24	4	47	.06	.07	15	54	.73	379	.01	3	1.51	.01	.06	2	200
BE019 S2NW4150S	1	93	808	3030	6.8	15	42	10708	9.38	272	6	ND	5	24	32	2	4	81	.33	.09	21	17	1.50	937	.01	5	2.09	.01	.07	2	300
BE020 S2NW4200S	1	39	546	2448	5.9	17	19	5305	5.33	550	2	ND	2	18	24	29	5	30	.17	.07	8	11	.25	1095	.01	6	.61	.01	.13	2	160
BE021 S2NW4250S	1	31	330	842	3.1	27	29	3034	4.86	289	2	ND	3	29	12	12	5	56	.41	.09	12	54	.81	683	.08	5	1.53	.01	.13	2	80
BE022 S2NW4300S	1	46	181	869	2.7	38	20	1348	5.61	136	2	ND	4	11	4	36	5	60	.08	.07	12	82	1.37	154	.04	3	2.44	.01	.10	2	100
BE023 S2NW4350S	1	31	72	430	2.1	19	20	1812	4.77	96	4	ND	2	16	3	5	4	64	.16	.10	10	36	.87	406	.01	3	1.63	.01	.07	2	60
BE024 S2NW4400S	1	18	45	187	.4	16	23	2954	5.72	31	3	ND	2	16	3	2	4	53	.13	.16	14	28	.54	357	.04	3	2.29	.01	.07	2	60
BE025 S2NW4450S	1	25	62	487	.2	16	13	1336	4.90	116	2	ND	2	9	4	6	3	53	.05	.09	11	37	.89	179	.01	4	1.65	.01	.07	2	50
BE026 S2NW4500S	1	19	25	495	.3	17	20	2385	5.22	25	2	ND	3	33	12	2	4	84	.34	.07	11	41	.45	430	.23	4	1.78	.01	.06	2	50
BE027 S2NW4550S	1	19	26	384	.1	18	13	1548	3.30	40	2	ND	2	20	9	2	3	47	.26	.10	10	32	.75	324	.03	5	1.35	.01	.07	2	30
BE028 S2NW4600S	1	19	28	358	.7	24	15	1113	3.36	35	2	ND	2	23	4	2	3	54	.29	.07	13	40	.78	457	.08	5	1.55	.01	.09	2	60
BE029 S2NW4650S	2	25	74	495	.5	16	12	1117	3.63	91	2	ND	2	23	6	2	3	47	.27	.09	9	32	.90	248	.02	13	1.32	.01	.10	2	40
BE030 S2NW4700S	1	14	15	239	.3	18	12	219	4.73	10	3	ND	3	7	5	2	4	73	.08	.08	12	40	.43	135	.24	8	1.77	.01	.04	2	50
BE031 S4NW3700S	2	128	437	661	63.8	30	34	9789	6.51	196	4	ND	5	23	6	75	2	54	.43	.07	26	38	1.24	833	.03	12	1.56	.01	.05	2	380
BE032 S4NW3750S	1	90	166	727	13.0	15	29	596	7.34	134	2	ND	3	27	3	20	4	48	.42	.11	22	17	.67	857	.01	5	1.25	.01	.06	2	230
BE033 S4NW3800S	1	60	147	495	7.3	8	24	4749	7.33	121	2	ND	2	21	3	8	4	46	.29	.15	25	9	.59	681	.01	7	1.14	.01	.08	2	200
BE034 S4NW3850S	1	82	146	350	15.5	9	28	4967	6.73	105	2	ND	2	34	3	9	4	51	.54	.13	30	11	.81	753	.01	14	1.38	.01	.07	2	250
BE035 S4NW3900S	2	48	139	586	9.7	12	26	4777	7.50	163	2	ND	2	35	3	14	5	49	.33	.13	25	16	.66	547	.04	7	1.36	.01	.08	2	250
BE036 S4NW3950S	4	57	266	1542	20.2	16	34	1808	8.37	667	16	ND	14	50	9	54	2	25	.35	.08	26	6	.41	1663	.01	20	.88	.01	.12	2	380
BE037 S4NW4000S	2	112	232	282	11.9	10	27	4665	5.83	94	2	ND	2	20	4	8	4	66	.13	.15	21	18	.65	754	.02	7	1.98	.01	.07	2	260

HOMESTAKE MINING FILE # 83-0076

PAGE # 2

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	P	Al	Na	K	W	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
BE038 54NW4400S	4	47	106	206	.9	10	49	4230	5.09	64	3	ND	2	34	3	2	4	48	.48	.34	11	19	.63	468	.01	19	1.80	.01	.05	2	70
BE039 54NW4450S	1	24	96	453	.3	12	19	2108	4.38	69	2	ND	2	29	8	3	3	48	.38	.21	12	24	.69	462	.02	9	1.61	.01	.08	2	80
BE040 54NW4500S	1	31	74	295	2.1	12	23	3192	5.18	136	3	ND	2	28	3	2	4	47	.41	.20	12	17	.84	585	.01	10	1.62	.01	.08	2	100
STD A-1	1	28	35	168	.1	22	12	162	2.44	11	2	ND	2	34	1	2	2	53	.54	.09	8	68	.75	283	.08	7	1.80	.01	.18	2	50



LEGEND

MID-CRETACEOUS ?

- 7 Feldspar-quartz porphyry
- 6 Diorite and metadiorite

TRIASSIC ?

- 5 Andesite (dark coloured, porphyritic)
- 4 Rhyolite to rhyodacite flow (sometimes porphyritic)
- 3 Dacite to rhyodacite flow (sometimes porphyritic)

UPPER DEVONIAN TO PERMIAN ?

- 2 Peridotite or pyroxenite
- 1 Quartz-feldspar-biotite schist, amphibolite schist, quartzite, minor calc-silicate

SYMBOLS

- Stream
- Ridge
- Legal corner post and claim boundaries
- Grid lines
- Limit of outcrop
- Geological contact (assumed)
- Lineament (possible fault)
- Gossan
- X Pb, Ag Mineral occurrence
- Rock chip sample, gold & silver in oz/ton

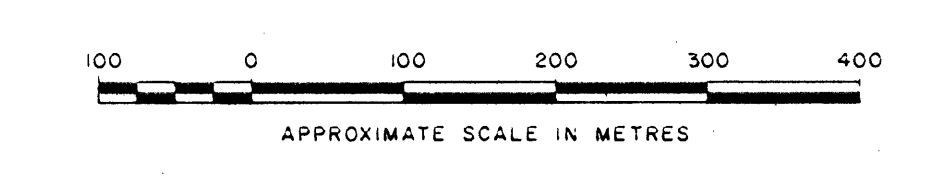
GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,154

REGIONAL RESOURCES LTD.
BEALE PROPERTY

GEOLOGICAL MAP

LIARD MINING DIVISION, BRITISH COLUMBIA
N.T.S. 104 1-14 E/15 W



BY
CORDILLERAN ENGINEERING
VANCOUVER, BRITISH COLUMBIA

BEALE 4 BEALE 1

BEALE 3 BEALE 2

NOTE: THIS MAP IS A REPRODUCTION OF THE ORIGINAL MAP AND IS NOT TO BE USED FOR LEGAL PURPOSES.

EXPLANATION

- FLAGGED LINE WITH 50 METRE SPACED SOIL SAMPLE STATIONS
- Zn, Cu, Fe ZINC IN PPM, COPPER IN PPM, IRON IN %
- LEGAL CLAIM CORNER POST
- RIDGE
- CREEK

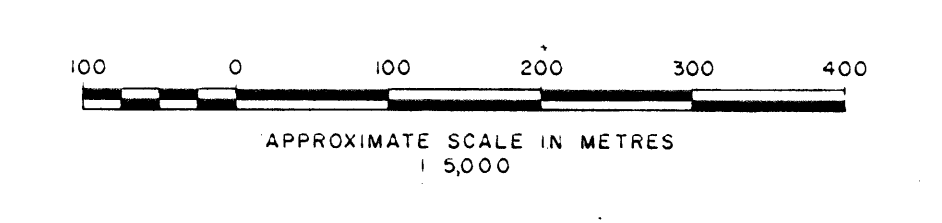
GEOLOGICAL BRANCH ASSESSMENT REPORT

11,154

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BEALE PROPERTY

GEOCHEMISTRY - Zn, Cu, Fe

LIARD MINING DIVISION, BRITISH COLUMBIA
N.T.S. 104 1-14E/15W



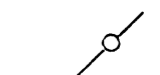
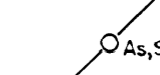

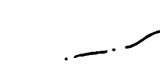
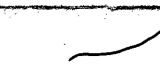
BY
CORDILLERAN ENGINEERING
1418-220 BURNING ST
VANCOUVER, BC V6C 2G6

BEALE 4 BEALE 1

BEALE 3 BEALE 2

NOTE: SAMPLES WERE ANALYZED BY THE BRITISH COLUMBIA GEOLOGICAL SURVEY. ANALYSES WERE MADE BY THE FOLLOWING METHODS: ARSENIC - BY ASBESTOS FILTRATION AND SPECTROPHOTOMETRY; ANTIMONY - BY SPECTROPHOTOMETRY; MERCURY - BY COLD VAPOR SPECTROPHOTOMETRY.

EXPLANATION

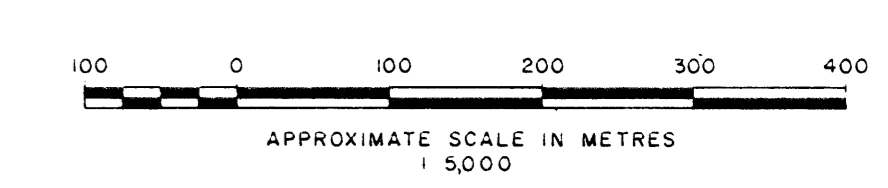
-  FLAGGED SOIL LINE WITH SOIL SAMPLE STATIONS
-  CONTOUR ARSENIC IN PPM - ANTIMONY IN PPM, MERCURY IN PPM
-  LEGAL CLAIM CORNER POST
-  RIDGE
-  CREEK

GEOLOGICAL BRANCH ASSESSMENT REPORT

11,154

REGIONAL RESOURCES LTD.
BEALE PROPERTY
GEOCHEMISTRY - As, Sb, Hg

LIARD MINING DIVISION, BRITISH COLUMBIA
N.T.S. 104 1-14E/15W



BY
CORDILLERAN ENGINEERING
1412-2500, BURNING, 2/FLOOR
VANCOUVER, BC V6C 2G6