PRELIMINARY GEOCHEMICAL SURVEY
ON THE
CRUISER 1 CLAIM GROUP
Cariboo Mining Division 93 A/2
(Latitude 52° 10', Longitude 120° 45')
OWNER: R. Keep and W. Wiggins, 150 Mile House
OPERATOR: Gibraltar Mines Limited,
McLeese Lake, B.C.

G. D. Bysouth October 5, 1989

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,160

PRELIMINARY GEOCHEMICAL SURVEY

ON THE

CRUISER 1 MINERAL CLAIM GROUP

Cariboo Mining Division
93 A 2

(Latitude 52° 10', Longitude 120° 45')

OWNERS

Richard Keep and William Wiggins
150 Mile House

OPERATOR
Gibraltar Mines Limited
McLeese Lake, B.C.

Author: G. D. Bysouth

Submitted: October 5, 1989

TABLE OF CONTENTS

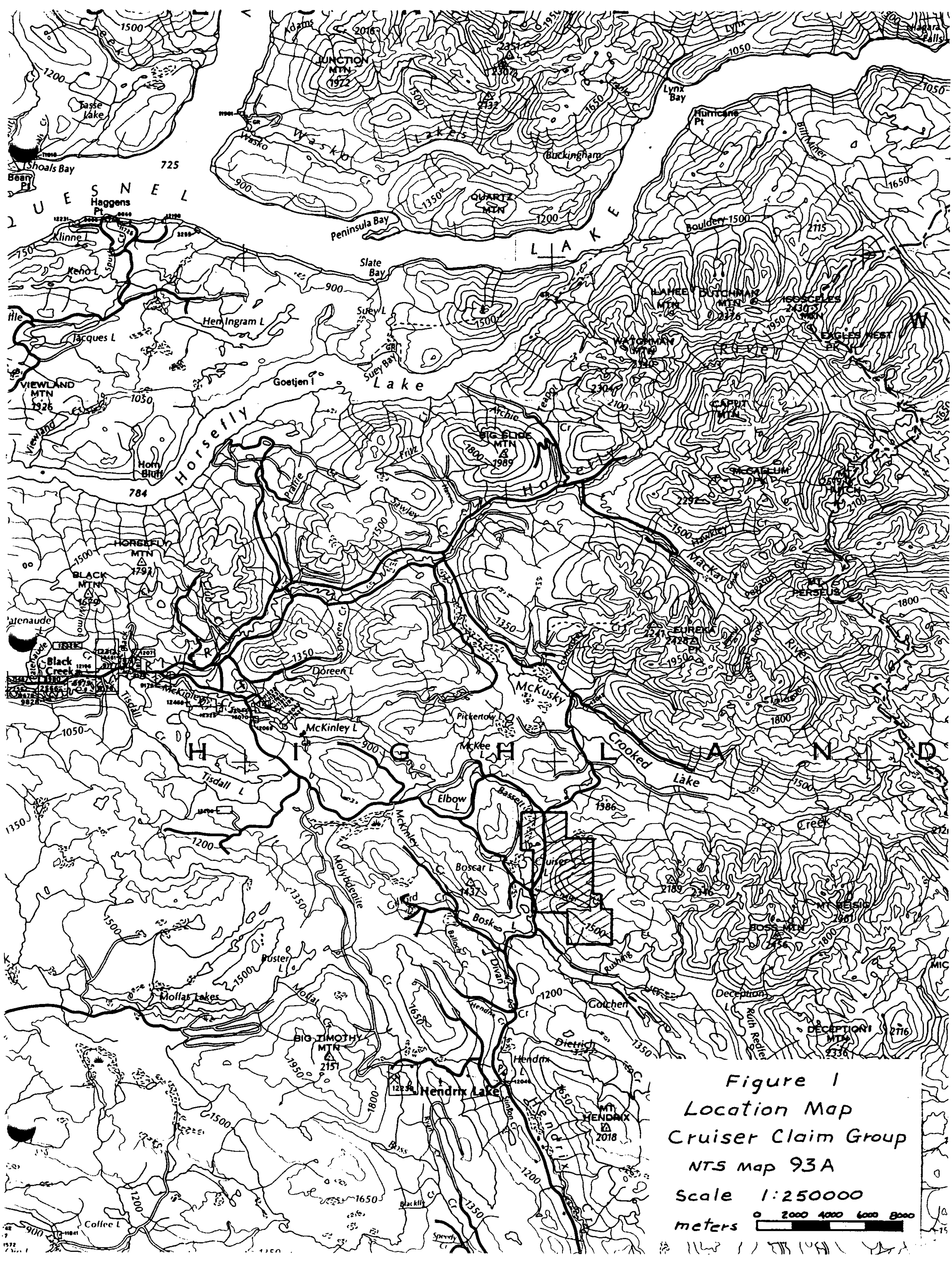

Figure 1
Location Map
Cruiser Claim Group
NTS Map 93A
Scale 1:250000
meters 0 2000 4000 6000 8000

Figure 2
Claim Map
Cruiser Claim Group
NTS Map 93A/2
Scale 1:50000
meters 0 500 1000 1500 2000

1 INTRODUCTION

The Cruiser Mineral Claim Group is located 50 kilometers southeast of Horsefly, B.C. near Cruiser and Bosk Lakes (see Figure 1). The property can be reached by good gravel roads from either Horsefly or 100-Mile House.

The Cruiser Claims were staked in 1988 by R. Keep and W. Wiggins following the discovery by W. Wiggins of a gold bearing quartz vein system along the mountain spur east of Cruiser Lake. These veins had been extensively explored at least 50 years ago by a series of pits and trenches but to date no record of this work has been found. The purpose of the preliminary geochemical survey was to outline areas within the property of highest mineral potential where more detailed geochemical sampling could be effectively employed.

Field work was done during the period May 29 to June 16, 1989. R. Keep and W. Wiggins were employed on a contract basis to complete the project. A total of 77 soil samples and 14 rock samples were collected and assayed for copper, silver, lead, zinc, molybdenum and gold. Work was done on the Cruiser 1, Cruiser 2 and Cruiser 8 mineral claims.

2 MINERAL CLAIMS

The mineral claims of the Cruiser Group are shown in Figure 2. Claim information is tabulated below:

2.1 CRUISER GROUP

CLAIM NAME	RECORD NO.	NO. OF UNITS	DATE OF RECORD
Cruiser 1	9245	20	July 21, 1988
Cruiser 2	9287	18	July 22, 1988
Cruiser 5	9347	20	August 27, 1988
Cruiser 8	9448	16	October 10, 1988
New Gold	9449	20	October 15, 1988

The claims are jointly owned by R. Keep and W. Wiggins.

3 TOPOGRAPHY AND GEOLOGY

As shown in Figures 1 and 2, the area of work covers a westerly trending spur formed by the valleys of Basset Creek on the north and Cruiser Creek on the south. The western extremity of this spur is further truncated by the north trending valley occupied by Cruiser and Bosk Lakes. The net effect is an area of overall steep topography having a maximum relief of about 823 m. Virtually all soils collected above the 1220 m. level have been subjected to gravity mass wasting and now consist of various proportions of talus, colluvium and displaced glacial till. Normal soils developed over glacial till and outwash predominate below the 1220 m. elevation.

The Cruiser Group is underlain mainly by the Upper Triassic Black Phyllite Formation which forms the basal member of the Upper Triassic - Lower Jurassic Quesnel Trough.[1] Within the claim area, the phyllites form a northwesterly striking succession, about 3000 meters thick, which dips steeply westward. A distinctive knotted phyllite, characterized by ovoid quartz-ankerite porphyroblasts predominates near the middle of the sequence and is associated with abundant zones of ankerite-mariposite rock. The auriferous quartz veins appear to be associated with the ankerite-mariposite zones, along with abundant pyrite and sparse chalcopyrite and galena.

Along the eastern side of the claim group a chlorite schist and amphibolite formation is exposed which probably belongs to the Mississippian to Permian Crooked Amphibolite unit. Within the claim area these rocks form a sequence about 500 meters thick of similar northwesterly strike and westerly dip as the overlying Black Phyllite Formation. The Crooked Amphibolite defines the base of the Quesnel Terrane and also the approximate position of the Eureka Thrust Fault.[2] Near the eastern boundary of the claims, the amphibolites are in contact with pelitic schist and micaceous quartzite of the Hadrynian to Paleozoic Snowshoe Group.

[1] Campbell, R. B. (1978): Quesnel Lake 93A, Geological Survey of Canada, Open File Map 574.

[2] Struik, L. C. (1986): Canadian Journal of Earth Sciences, Vol. 23, Number 8, pp. 1047 - 1061.

4 GEOCHEMICAL SURVEY

4.1 Field Methods

Sample locations are shown in Figure 3. In areas of thick logging slash, soil samples were collected at 300 meter intervals along skid trails and roads. In the area of standing timber east of the prospect area, a grid was established in which soils were collected at 300 meter intervals along northwest trending lines spaced 300 meters apart. Control was maintained in all cases by hip chain and compass. Special care was taken to survey in the roads and skid trails using a staff compass. Only B- and C-horizon samples were taken. Sample depth ranged between 6- and 20.0 cm. All soil samples were collected in standard kraft bags.

Grab samples of rock were also collected. Special emphasis was placed on sulfide bearing rock, and particularly sulfide-bearing quartz vein material. Rock descriptions and assays are provided in Table 1.

4.2 Analytical Methods

All samples were analyzed at the Gibraltar Mines Assay Laboratory for molybdenum, copper, lead, zinc, and silver. The following procedure was followed:

1. Samples were oven dried and sieved to -20 mesh.

2. 5 g. of sample was weighed out and placed in a beaker.

3. 30 ml. of concentrated nitric acid containing 5% potassium chlorate was added.

4. The sample was digested under heat until all brown fumes disappeared.

5. 20 ml. of concentrated hyrdochloric acid was then added and the sample further digested under heat for three minutes.

6. 25 ml of 1% aluminum chloride was added and the solution made up to 200 ml. with water, then filtered.

7. A 50 ml. sample was taken and the elements were determined using a Perkin-Elmer 3030 atomic absorption spectrometer.

All samples were analyzed at Vangeochem Laboratory in Vancouver, B.C. for gold. The following procedure was followed:

1. Samples were oven dried and sieved to -20 mesh.

2. 10 g. of sample was weighed out and digested in Aqua Regia.

3. The Aqua Regia solution was filtered.

4. Gold was extracted from the filtrate using a gold selective solvent.

5. Gold values in the solvent were determined using a Techtron AA5 atomic absorption spectrometer.

4.3 Results and Interpretation

The distribution of copper, molybdenum, lead, zinc, silver and gold in both soils and rock is shown in Figures 4 to 9 respectively. Rock sample descriptions and assays are also given in Table 1. Local threshold values for each of the elements have been estimated as follows: copper - 90 ppm, molybdenum - 10 ppm, lead - 45 ppm, zinc - 200 ppm, silver - 3.5 ppm and gold - 15 ppb. The principle target for this survey has been a large tonnage gold deposit in the order of at least a million tons. Gold, therefore, is the element of main interest with the other elements serving mainly as pathfinders for gold mineralization.

The level of gold enrichment in both the soils and rocks collected has been disappointing. The highest value obtained in soils was 25 ppb. which occurred in three widely separated localities. The highest gold value in rocks was only 20 ppb. even though these samples were mainly of sulfide-bearing quartz vein material. However, a clustering of anomalous soil samples does occur along the western edge of the sampling area, and defines a weak gold anomaly extending northerly from the area of the main prospect. (See Figure 9.)

The other elements show a similar distribution in soils as gold, which involves a clustering of anomalous values along the western edge of the sampled area and a seemingly random distribution elsewhere. Molybdenum may be a special case in that it also forms a broad low grade anomaly extending southeast from the main prospect area as shown in Figure 5. Most of the anomalous distribution of the other elements however, lies north of the main prospect and overlaps the gold anomaly. As shown in Figure 7, zinc forms a broad anomaly which encloses the smaller and more erratic anomalies of the other elements. Collectively, all the elements, including gold, form a definite north trending zone of trace metal enrichment which can be extended to include the main prospect zone, and possibly also the molybdenum anomaly to the southeast. Field observations, supported to some extent by the rock analysis, (see Table 1.) indicate the general area of soil enrichment is underlain by the Knotted Black Phyllite unit which includes numerous quartz-ankerite-mariposite zones and complex quartz-vein systems, accompanied in places by abundant disseminated pyrite and sparse vein-hosted pyrite and galena.

In general, the results of this survey have been discouraging. Most of the soils collected had been developed over talus or colluvium and would be expected to reflect the trace metal constitution of the local bedrock. The low gold values obtained therefore, greatly diminish the probability of any large tonnage, near surface gold ore body being present within the sampled area. But there does appear to be a mineralized system present which has been outlined by the soil sampling and which probably includes the auriferous quartz vein system exposed at the main prospect. The geochemical trends are definitely northerly, but at this point it is not known whether this is a function of primary or secondary dispersion, or simply a function of sample distribution.

4.4 Table 1. Cruiser Group Rock Assays

Sample No.	Sample Description	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
5951	quartz-pyrite vein	800	9	16	66	3.0	15
5952	quartz-pyrite (galena) vein	75	4	235	109	2.0	10
5953	quartz-pyrite (galena) vein	69	4	45	40	1.6	10
5954	quartz vein	41	5	55	60	1.4	nd
5956	quartz (pyrite) (galena) vein	28	4	1,600	60	14.0	5
5962	quartz-ankerite vein	26	100	3,851	137	3.0	nd
5966	quartz (galena) vein	54	10	26,600	24	7.6	5
5967	quartz-ankerite (pyrite) vein	46	<10	154	89	1.2	5
20553	quartz-ankerite-pyrite vein	77	20	51	180	1.6	nd
20554	pyritiferous black phyllite	25	70	73	180	1.6	10
20555	vuggy quartz pyrite vein	22	10	20	85	1.1	20
20556	quartz-sericite-ankerite zone	64	90	277	200	1.4	nd
20557	quartz-mariposite-ankerite zone	80	40	93	101	1.4	20
20558	quartz-pyrite zone	28	20	53	71	1.1	nd

Note: All samples are from the Black Phyllite Formation except 5951 which is from the Amphibolite Formation.

5 STATEMENT OF EXPENDITURES

Geochemical Survey - Cruiser 1 Claim Group 1989

1. Field Work		
R. Keep (prospecting contractor) May 29 to June 16, 1989	$1,479.75	
W. Wiggings (prosecting contractor) May 29 to June 16, 1989	1,479.75	
		$2,959.50
2. Report Preparation		
G. Bysouth 12, 13, 14 and 19 of July 1989 21 hrs. @ $35.00/hr.		735.00
3. Assay Costs		
91 samples assayed for Cu, MoS_2, Pb, Zn, Ag @ Gibraltar Lab. @ $7.00/sample	$637.00	
91 samples assayed for Au at VanGeochem Lab @ $5.50/sample	500.50	
		1137.50
TOTAL		$4,832.00

6 CONCLUSIONS

The area covered by this preliminary geochemical survey has only a very low probability for ore discovery. There is, however, a strong possibility that a significant mineralized system occurs along the western edge of the sampled area and includes the auriferous quartz veins of the main prospect. The strike of this system is not known. Accordingly, a grid soil survey should be implemented along the lower slopes of the mountain west, northwest, and north of the main prospect to cover the possible strike extension of the mineralized system.

G. D. Bysouth
Senior Geologist

GIBRALTAR MINES LIMITED

APPENDIX A. Statement of Qualifications

I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

1. I am a geologist.

2. I am a graduate of the University of British Columbia, with a B.Sc. degree in Geology in 1966.

3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia.

4. I personally provided over-all supervision for this project and participated in the field work.

Gary D. Bysouth

Garry D. Bysouth

APPENDIX B. Assay Sheets

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890264 GA   JOB NUMBER: 890264   GIBRALTAR MINES LTD.

SAMPLE #	Au ppb
89-1	nd
89-2	nd
89-3	nd
89-4	5
89-5	5
89-6	15
89-7	10
89-8	5
89-9	nd
89-10	10
89-11	nd
89-12	25
89-13	nd
89-14	5
89-15	5
89-16	10
89-17	5
89-18	25
89-19	5
89-20	10
89-21	10
89-22	10
89-23	nd
89-24	20
89-25	10
89-26	10
89-27	5
89-28	20
89-29	15
89-30	nd
89-31A	10
89-31B	5
89-33	5
89-34	nd
89-35	nd
89-36	5
89-37	nd
89-38	nd
89-39	nd
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb	
89-40	25	
89-41	15	
89-42	20	
89-43	10	
89-44	10	
89-45	25	
89-46	nd	
89-47	10	
89-48	nd	
~~89-48~~ 49	5	
89-49 B	nd	
89-50	10	
89-51	25	
89-52	10	
89-53	20	
89-54	nd	
89-55	5	
89-56	10	
89-57	nd	
89-58	10	
89-59	15	
89-60	5	
45976	nd	Duck.
45977	nd	
45978	10	
45979	15	
45980	nd	
45981	nd	
45982	5	
45983	60	Grabs ?
45984	nd	
45985	nd	
5951	15	
5952	10	
5953	10	
5954	nd	
5955	--	
5956	5	
5957	20	
DETECTION LIMIT	5	

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
5958	5
5959	nd
5960	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890362 GA   JOB NUMBER: 890362   GIBRALTAR MINES LTD.

SAMPLE #	Au ppb
89-61	nd
89-62	nd
89-63	nd
89-64	nd
89-65	nd
89-66	nd
89-67	nd
89-68	nd
89-69	nd
89-70	nd
89-~~72~~ 71	nd
89-~~73~~ 72	nd
89-~~74~~ 73	nd
89-~~75~~ 74	5
89-~~76~~ 75	10
89-~~77~~ 76	10
89-~~78~~ 77	nd
89-~~79A~~ 78	nd
89-79B	nd
89-80	nd
89-81	nd
89-82	nd
89-83	nd
89-84	5
89-85	5
89-86	nd
89-87	nd
89-88	nd
89-89	nd
89-90	nd
89-91	5
89-92	nd
89-93	5
89-94	nd
5963	55
5962	nd
5964	nd
5965	10
5966	5
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890362 GA   JOB NUMBER: 890362   GIBRALTAR MINES LTD.

SAMPLE #	Au ppb
5967	5
20553	nd
20554	10
20555	20
20556	nd
20557	20
20558	nd
20851 551	10
20852 552	65
NO TAG	15

DETECTION LIMIT   5
nd = none detected   -- = not analysed   is = insufficient sample

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

SOIL 5g

Date Jan 4, 1989

Sample No.	Au PPb ~~% Ox. Cu.~~	ppm Total Cu.	Mo ppm ~~% MoS2~~	ppm Ag	ppm Pb	ppm Zn
89-01	nd	196	10	3.0	41	216
02	nd	110	62	2.0	40	780
03	nd	96	10	3.0	17	260
04	5	50	9	7.1	22	600
05	5	82	7	2.0	16	147
06	15	85	15	5.2	20	530
07	10	120	15	3.3	18	355
08	5	41	7	2.3	20	213
K&W 09	nd	86	10	2.8	30	266
Cruiser 11	nd	83	9	1.0	34	162
soils 12	25	97	4	2.0	20	80
13	nd	491	5	1.0	12	102
14	5	53	3	2.0	25	55
15	5	40	4	1.4	50	86
16	10	52	8	1.7	166	78
17	5	34	13	1.3	240	78
18	25	207	25	2.1	113	350
19	5	353	32	8.1	50	680
20	10	62	7	1.1	35	170
21	10	60	7	1.0	80	103
22	10	87	10	2.2	75	194
23	nd	70	8	2.3	45	132
5951	15	800	9	7.0	16	60
52	10	75	4	2.0	235	109
53	10	69	4	1.6	45	40
K&W 54	nd	41	5	1.4	55	60
Cruiser 56	5	28	4	14.0	1600	60
Rx 57	20	16	249	4.3	11200	7
58	5	67	>1000	14.1	16000	11
59	nd	29	51	2.0	1200	30
60	nd	20	169	2.0	1900	11

cc: Assay Lab.

Assayer OJ

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date 12 JUNE, 19 89

Sample No.	~~% Cx. Cu.~~ Au	Total Cu.	Mo	% MoS2	Pb	Zn	Ag
	ppb	ppm	ppm	ppm	ppm	ppm	ppm
89-10	10	221	38	63	83	477	7.9
89-24	20	46	9	15	25	286	5.8
25	10	163	32	54	32	482	2.2
26	10	194	5	9	26	217	4.8
27	5	81	9	15	23	302	1.8
28	20	101	8	13	28	325	2.7
29	15	72	7	12	26	208	1.7
30	nd	69	7	11	25	191	1.6
31	10	72	3	5	25	198	1.4
~~31 51 B~~ 32	5	26	2	4	13	86	0.7
33	5	24	4	7	11	70	0.7
34	nd	59	1	2	11	83	0.8
35	nd	86	8	13	22	202	1.6
36	5	30	4	6	13	81	0.7
37	nd	60	3	5	11	71	0.8
38	nd	61	19	32	35	170	1.7
39	nd	58	3	5	17	123	1.3
40	25	92	6	10	72	284	5.5
41	15	52	4	6	36	124	2.2
42	20	92	74	123	30	460	3.5
43	10	30	8	14	17	93	0.8
44	10	29	10	16	13	75	0.8
45	25	298	8	14	116	368	3.8
46	nd	50	12	20	19	182	0.9
47	10	41	15	25	28	191	1.7
48	nd	69	23	39	26	350	1.8
~~48~~ 49	5	125	5	9	32	297	2.0
49 B	nd	77	14	24	32	423	3.0
50	10	50	5	8	20	161	2.1
51	25	45	5	8	14	113	2.7
52	10	31	4	6	16	85	1.2
53	20	22	4	7	15	40	1.0

K&W

cc: Assay Lab.

Assayer D. A. W.

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date 12 JUNE, 1989

Sample No.	~~% Ox. Cu.~~ Au	Total Cu.	Mo	% MoS2	Pb	Zn	Ag
	ppb	ppm	ppm	ppm	ppm	ppm	ppm
89-54	nd	49	6	10	14	32	4.9
55	5	49	5	8	21	139	3.0
56	10	51	4	6	22	174	2.2
57	nd	52	2	4	21	79	1.5
58	10	56	6	10	23	104	1.1
59	15	67	3	5	28	105	2.7
60	5	33	6	10	22	74	1.2

cc: Assay Lab.

Assayer D.A.W.

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration

Date July 12, 1989

Sample No.	% ~~Ox.~~ Cu.	Total Cu. PPM	Mo PPM	% MoS₂	Pb PPM	Zn PPM	Ag PPM
89 - 61		47	12	20	26	133	1.4
62		38	18	30	20	143	1.0
63		43	12	20	20	180	2.1
64		28	18	30	30	190	1.6
65		31	6	10	18	77	1.2
66		29	6	10	28	130	1.3
67		27	6	10	20	92	1.0
68		30	6	10	20	72	1.8
69		37	6	10	17	81	1.4
70		58	6	10	20	121	1.2
72		55	12	20	24	217	1.4
71		71	12	20	20	164	1.1
5966		54	6	10	26600	24	1.6
67		46	6	<10	154	89	1.2

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration

ppm

Date July 12, 1989

Sample No.	% Ox. Cu.	Total Cu.	Mo	MoS2	Pb	Zn	Ag
89-73		34	9	15	20	39	1.0
74		58	12	20	25	176	1.2
75		41	12	20	26	85	1.6
76		36	4	7	22	36	.9
77		31	3	5	23	31	1.1
78		37	3	5	21	25	.6
79		33	3	5	46	145	1.2
80		60	6	10	133	103	1.6
81		63	2	4	35	84	.8
82		111	7	11	45	73	1.5
83		56	11	18	32	99	1.4
84		42	4	6	26	49	1.3
85		42	5	9	29	70	1.4
86		34	5	8	27	57	1.1
87		51	8	13	27	78	1.7
88		50	7	11	26	74	1.9
89		43	5	9	26	56	1.3
90		30	3	5	18	29	1.0
91		31	7	12	25	50	2.0
92		194	3	5	30	58	2.1
93		49	4	7	27	60	.9
94		42	6	10	36	123	1.8
						B	

KAW Chilcotin soils

cx 3 E bow

cc: Assay Lab.

Assayer JJ

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date ....15. JUNE, 19.89..

	Sample No.	Au ~~% Ox. Cu.~~	Total Cu.	Mo	~~%~~ MoS_2	Pb	Zn	Ag
		ppb	ppm	ppm	ppm	ppm	ppm	ppm
[illegible]	5962 KW		26	60	100	3851	137	3.0
Rx	20551 B&B		68	1920	3200	8740	25	4.2
	20552 [illegible]		91	463	771	78600	14	27.2

cc: Assay Lab.

Assayer ~~D.~~ A.W....................

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date 9 JULY, 1989

Sample No.	~~% Ox. Cu.~~ ppm		[redacted] Cu. ppm	% MoS_2	Ag ppm	Mo	MoS_2	
	Pb	Zn				ppm	ppm	
20553	51	180	77	.002	1.6	12	20	
54	73	180	25	.007	1.6	42	70	
55 [illegible]	20	85	22	.001	1.1	6	10	
56 [illegible]	277	200	64	.009	1.4	54	90	
57 [illegible]	93	101	80	.004	1.4	24	40	
58	53	71	28	.002	1.1	12	20	
No TAG 5961 ?? Duck ??	55	2700	2100	.001	2.8	6	10	
5963 [illegible]	5700	20	119	.235	2.4	1410	2350	
64 [illegible]	2160	13	16	.055	1.5	330	550	
65 [illegible]	4040	68	155	.181	1.8	1086	1810	

cc: Assay Lab.

Assayer D. A. W.

DRAWN G.E.B.	SCALE 1:10000	GIBRALTAR MINES LTD. (N.P.L.)	GOLD CONCENTRATION ppb
TRACED	DATE 14 July 89	GEOCHEMICAL SURVEY	
APPROVED	CHECKED	CRUISER 1 CLAIM GROUP	FILE No. FIGURE 9


Bassett
Creek
Cruiser Lake
Bosk Lake
Cruiser
Creek
3500 (1067m)
4000 (1219m)
4500 (1372m)
5000 (1524m)
5500 (1676m)
6000 (1829m)
6000
Main Prospect
Cruiser 2 LCP
Cruiser 1 LCP
LCP Cruiser 8
LCP Cruiser 5
N
Crooked Lake
Elbow
Bosk
Cruiser Claim Group
Big Timothy Mtn.
Hendrix Lake
Scale 1:250000
meters 0 2000 4000 6000 8000
INDEX MAP
GEOLOGICAL BRANCH ASSESSMENT REPORT
19,160
swamp
Soil sample site
Rock sample site
meters 0 200 400 600 800
Note: control by chain and compass
DRAWN GEB
TRACED
APPROVED
SCALE 1:10000
DATE 14 July 89
CHECKED
GIBRALTAR MINES LTD. (N.P.L.)
GEOCHEMICAL SURVEY
CRUISER 1 CLAIM GROUP
SILVER CONCENTRATION ppm
FILE No. FIGURE 8

N
Bassett Creek
Cruiser Creek
Cruiser Lake
Bosk Lake
Main Prospect
3500 (1067m)
4000 (1219m)
4500 (1372m)
5000 (1524m)
5500 (1676m)
6000 (1829m)
6000
Newgold LCP
Cruiser 1 LCP
LCP Cruiser 8
Cruiser 2 LCP
LCP Cruiser 5
INDEX MAP
Cruiser claim Group
BIG TIMOTHY MTN
HENDRIX LAKE
Scale 1:250000
meters
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,160
swamp
Soil sample site
Rock sample site
meters 0 200 400 600 800
Note: control by chain and compass
DRAWN GEB
TRACED
APPROVED
SCALE 1:10000
DATE 14 July 89
CHECKED
GIBRALTAR MINES LTD. (N.P.L.)
GEOCHEMICAL SURVEY
CRUISER 1 CLAIM GROUP
ZINC CONCENTRATION ppm
FILE No. FIGURE 7

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,160

DRAWN G.E.B.	SCALE 1:10000	GIBRALTAR MINES LTD. (N.P.L.)	LEAD CONCENTRATION ppm
TRACED	DATE 14 July 89	GEOCHEMICAL SURVEY	
APPROVED	CHECKED	CRUISER 1 CLAIM GROUP	FILE No. FIGURE 6

DRAWN GEB	SCALE 1:10000	GIBRALTAR MINES LTD. (N.P.L.)	MOLYBDENUM (Mo) CONCENTRATION
TRACED	DATE 14 July 89	GEOCHEMICAL SURVEY CRUISER 1 CLAIM GROUP	
APPROVED	CHECKED		FILE No. FIGURE 5

DRAWN GEB	SCALE 1:10000	GIBRALTAR MINES LTD. (N.P.L.)	COPPER CONCENTRATE · PPM
TRACED	DATE 14 July 89	GEOCHEMICAL SURVEY	
APPROVED	CHECKED	CRUISER 1 CLAIM GROUP	FILE No. FIGURE 4

N
Bassett
Creek
Cruiser
Lake
Bosk Lake
Cruiser
Creek
3500 (1067m)
4000 (1219m)
4500 (1372m)
5000 (1524m)
5500 (1676m)
6000 (1829m)
6000
Main Prospect
Newgold LCP
Cruiser 1 LCP
LCP Cruiser 8
Cruiser 2 LCP
LCP Cruiser 5
Cruiser Claim Group
Big Timothy Mtn.
Hendrik Lake
Scale 1:250000
meters
INDEX MAP
GEOLOGICAL BRANCH ASSESSMENT REPORT
19,160
swamp
Soil sample site
Rock sample site
meters
Note: control by chain and compass
DRAWN G.E.B.
SCALE 1:10000
GIBRALTAR MINES LTD. (N.P.L.)
SAMPLE NUMBERS
TRACED
DATE 14 July 89
GEOCHEMICAL SURVEY
APPROVED
CHECKED
CRUISER 1 CLAIM GROUP
FILE No. FIGURE 3