ARIS SUMMARY SHEET

District Geologist, Prince George Off Confidential: 89.03.29

ASSESSMENT REPORT 17254 MINING DIVISION: Cariboo

PROPERTY: Duck
LOCATION: LAT 52 45 00 LONG 121 29 03
UTM 10 5845320 602315
NTS 093A14W 093A11W
CLAIM(S): Duck,Duck 2,Duck 5,Duck 7
OPERATOR(S): Gibraltar Mines
AUTHOR(S): Bysouth, G.D.;Barker, G.E.
REPORT YEAR: 1988, 92 Pages
COMMODITIES
SEARCHED FOR: Copper,Gold,Silver
GEOLOGICAL
SUMMARY: The property is mainly underlain by metasedimentary rocks of the Hadrynian Snowshoe Group and granitic gneiss of the Devonian-Mississippian(?) Quesnel Lake Gneiss Unit. Pyrite accompanied in places by chalcopyrite occurs as strong disseminations and massive lenses in dark grey phyllites of the Snowshoe Group. Pyrite, chalcopyrite, galena and sphalerite occur in quartz veins cutting the phyllite.
WORK
DONE: Geochemical
SOIL 1179 sample(s) ;CU,PB,ZN,AG,AU
Map(s) - 5; Scale(s) - 1:6000

LOG NO: 0406 RD.
ACTION:
FILE NO:

GEOCHEMICAL SOIL SURVEY REPORT

ON THE

DUCK 1 CLAIM GROUP

Cariboo Mining Division

93 A 11

(Latitude 52° 45', Longitude 121° 29')

MAR 29 1988

FILMED

OWNER:
C. E. Carlson
P. O. Box 126
Likely, B.C.

OPERATOR:
Gibraltar Mines Limited
P. O. Box 130
McLeese Lake, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,254

Author: G. E. Barker
G. D. Bysouth

Submitted: March 29, 1988

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Figure 3 LEAD CONCENTRATION (In Pocket)

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1 INTRODUCTION

The Duck Property is located about 1.5 km. southwest of Keithley Creek, B.C. The claims cover the lower portion of the Rollie and Asserlind Creek watersheds, and also include the southwest end of Cariboo Lake. The nearest large settlement is Likely, B.C. which lies about 20 km to the southwest. Access is via the Likely road which links Likely with Highway 97 at 150 Mile House.

The Duck claims were staked in 1987 by C. E. Carlson to cover sulfide mineralization observed in the Harvey Creek, Keithley, and Ramos Creek successions of sedimentary rocks. This report covers a grid-type geochemical soil survey carried out over a portion of the Keithley geological succession. The objective of the project was to obtain a detailed evaluation of trace metal dispersion in soils in order to identify areas of highest ore-bearing potential.

Field work was completed during the period September 26 to October 9, 1987. A total of 1179 samples were collected and analyzed for copper, lead, zinc, silver and gold.

2 MINERAL CLAIMS

The mineral claims of the Duck Property are shown in Figure 1 and claim information is tabulated below:

DUCK 1 GROUP:

CLAIM NAME	RECORD NO.	NO. OF UNITS	DATE OF RECORD
DUCK	8334	20	MARCH 29, 1987
DUCK 1	8335	18	MARCH 29, 1987
DUCK 2	8365	15	APRIL 16, 1987
DUCK 5	8566	18	AUGUST 14, 1987
DUCK 6	8671	12	OCTOBER 1, 1987
DUCK 7	8672	16	OCTOBER 1, 1987

DUCK 2 GROUP:

CLAIM NAME	RECORD NO.	NO. OF UNITS	DATE OF RECORD
DUCK 3	8410	20	MAY 15, 1987
DUCK 4	8507	5	JUNE 26, 1987
GOLD DOME	8543	20	JULY 16, 1987
GDE	8544	10	JULY 16, 1987

Duck 6 and Duck 7 are currently owned by Gibraltar Mines Limited. The remainder are all owned by C. E. Carlson but held under option by Gibraltar Mines Limited. Work was done on the Duck, Duck 2, Duck 5, and Duck 7 of the Duck 1 Group.

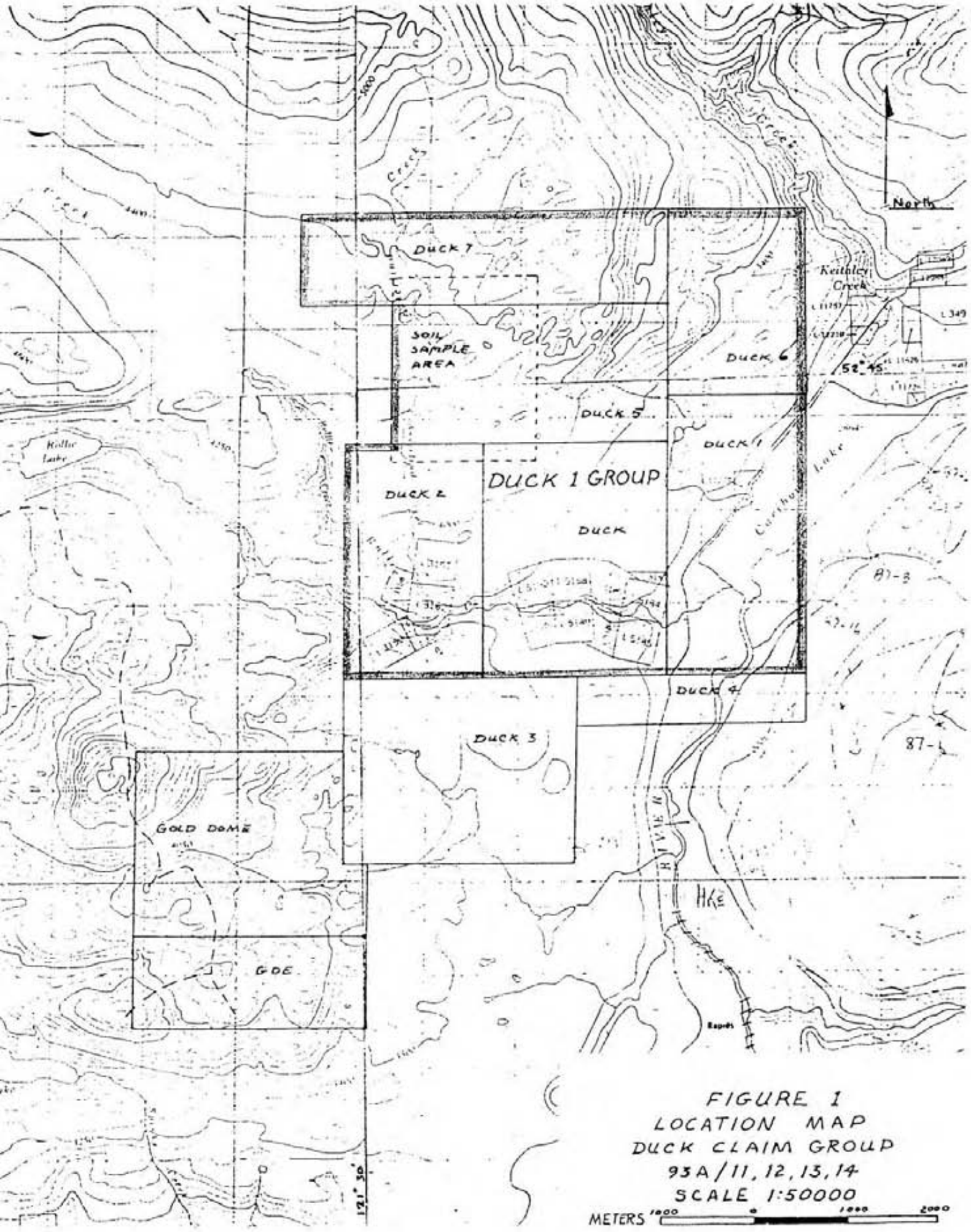


FIGURE 1
LOCATION MAP
DUCK CLAIM GROUP
93A/11, 12, 13, 14
SCALE 1:50000

3 TOPOGRAPHY AND GEOLOGY

The Duck claims are located within the foothill region of the Cariboo Mountain Range in a hilly to mountainous terrain typical for this part of the Interior Plateau. As shown in Figure 1, the soil sampling grid covers an area of low relief that slopes gently southward and is drained in part by Asserlind Creek. Further to the south and west, the terrain drops off rapidly towards the Cariboo River Valley. Most of the grid area has been logged and burnt, with only remnants of the original forest cover remaining along creek gulleys and around swampy areas.

Glacial history of the area is probably complex. The grid area appears to be mantled by sandy to gravelly till which may in part be ablation moraine. Some outwash sand deposits were also noted. Not evident were the thick deposits of boulder clay which tend to be so common within lower elevations of the Interior Plateau. It can be reasonably assumed that several periods of valley glaciation had taken place which would have caused a southwesterly transport of glacial material. Piedmont and continental glaciation, on the other hand, may have caused a net north to northwesterly glacial transport as suggested by the topographic grain of the local district.

The grid appears to be underlain mainly by a sequence of dark grey and greenish phyllites and siltites of the Hadrynian Snowshoe Group. These rocks are in contact with a fine grained diorite within the central portion of the grid but the nature of this contact is not understood. In places it appears conformable with the sedimentary bedding and may be either an intrusive sill or a recrystallized volcanic bed. The dark grey phyllite carries abundant disseminated pyrite mineralization which in places is accompanied by sparse chalcopyrite. Samples of this rock containing about 10- to 15-percent pyrite, typically assayed between 200- to 300-ppm copper and 300- to 350-ppm zinc.

Of the samples collected, about 94-percent could be classified as normal mountain soils and the remainder classified as either hydromorphic or bog soils. The normal soils lack strong podzolic profiles but generally show a distinctive B-horizon. About 25-percent of these samples were developed over bedrock or bedrock colluvium and contain a large proportion of disintegrated residual rock material. The remainder appear to have been formed over sandy till and or outwash and in many cases probably bear no relationship to the underlying bedrock. Soils classified as hydromorphic were developed over permanently wet zones and as a result lack any horizon development. Bog soils refer to samples consisting largely of organic matter which were collected in swampy ground where thick organic layers prevented the sampling of underlying overburden.

4 SOIL SURVEY

4.1 FIELD METHODS

Two sample grids were established: a large grid consisting of 50 m. sample intervals along north trending lines spaced 100 m. apart, and a detailed grid consisting of 25 m. sample intervals along north trending lines spaced 50 m. apart. Both grids were developed from the same zero baseline and have common north lines. (See Figures 2 to 6). Samples were referenced by the sample line number and by the distance, north or south, from the zero baseline; for instance, sample 1700E + 100N was taken 100 m. north of the baseline along sample line 1700E. Survey control was by hip-chain and compass.

At each sample site, soils were collected systematically and pertinent information recorded. An attempt was made to collect only B- or C-horizon soils. In some cases, however, bog and hydromorphic soils had to be taken instead. All samples were collected in standard Kraft bags. Sample depths ranged from 7.0 to 18.0 cm. except over swampy ground where depths of over 25 cm. were common. Each sample site was evaluated in regards to soil type, drainage condition and soil parentage.

4.2 ANALYTICAL METHODS

All samples were analyzed at the Gibraltar Mines Assay Laboratory for 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 copper, lead, zinc, and silver were determined using a Perkin-Elmer 3030 atomic absorption spectrometer.

All samples were analyzed for gold at Kamloops Research and Assay Laboratory Ltd., 912 Laval Crescent, Kamloops, B.C., V2C 5P5. The following procedure was followed:

1. A 20 g. sample was weighed out.
2. A gold bearing bead was produced using the standard fire assaying procedure.
3. The bead was dissolved in aqua regia.
4. Gold values were determined using an atomic absorption spectometer. (detection limit 5 ppb).

4.3 RESULTS AND INTERPRETATION

The distribution of copper, lead, zinc, silver and gold in soils is shown on Figures 2 to 6 respectively. No significant gold anomalies were found, but numerous low grade anomalies in copper, lead, zinc and silver were outlined. Threshold values for each of these elements has been defined as follows: copper - 80 ppm, lead - 50 ppm, zinc - 140 ppm and silver - 2.5 ppm. On this basis, anomalies have been outlined as shown on Figures 2 to 5. A scattering of anomalous values along an east-west axis is obvious for each of these elements. Most of the anomalies for each element are coincident or overlapping with the anomalies of the other elements and collectively define an easterly

trending anomaly "train" lying south of the baseline and extending from Line 1400 East to Line 2900 East, a distance of 1400 meters. There is also a dispersion of small weaker anomalies extending north of the "train" across the baseline to the northern portion of the grid. While the anomalous zones outlined for each element correlate quite well, this does not extend to the concentrations of each element in individual samples; for example, only three samples are strongly anomalous in all four elements. Within the anomalous zones no dispersion patterns appear evident for any of the four elements which would indicate, by increasing or decreasing concentrations, the direction of source areas. In other words, the highest values appear mainly as single sample erratics. Further, there is no indication that the anomalies increase in any direction; that is, anomalies along the eastern edge of the anomaly train are of similar grade as those in the center and western end.

From the foregoing a number of interpretations can be made. First of all, neither the distribution of values within individual anomalies nor the distribution of anomalies within the anomaly train give any indication of a significantly large ore grade bedrock source area. The general pattern of anomalies coincides best with a large area, low grade, easterly trending source such as would be provided by the sulfide bearing dark grey phyllite unit. This assumption is strengthened by the fact that some of the anomalies are known to overlie this rock type. Northwesterly directed glacial dispersion may be responsible for both the numerous small anomalies north of the anomaly "train" and the somewhat erratic nature of the anomalies within the "train".; The deposition of ablation moraine and outwash would be expected to further modify the shape of the trace metal distribution on surface.

5 STATEMENT OF EXPENDITURES

Geochemical Soil Survey - Duck Claims, 1987.

1.	Field Work		
	G. Barker 14, 15 Sept. 16 hrs. @ $22.02/hr = $352.32		
	B. Locke 14, 15 Sept. 16 hrs. @ $17.06/hr = $272.96		$ 625.28
2.	Supervision and Report Preparation		
	G. D. Bysouth 26-30 Sept, 1987 1 - 9 Oct., 1987 14-18 Mar., 1988, 40 hrs. @ $31.00/hr		$ 1,240.00
3.	Vehicle Costs 1987 4x4 rental, 5 days @ $36./day = $180.00 Fuel 100.00		$ 280.00
4.	Supplies (topostring, ribbon, etc.)		$ 90.00
5.	Contractor (Grid preparation and soil sample (collection) Durfeld Geological Management Ltd.		$11,584.80
6.	Assay Costs 1179 samples assayed for Cu, Pb, Zn, Ag, Au Gibraltar Lab - $6.00/sample (Cu, Pb, Zn, Ag) $ 7,074.00 Kamloops Research $6.50/sample (Au) 7,663.50		$14,737.50
	TOTAL COST		$28,557.58

6 CONCLUSIONS

1. The 1987 geochemical soil survey on the Duck claims has not provided any viable diamond drill targets.

2. The available evidence suggests the anomalous trace metal distribution outlined in the soils has been caused mainly by the abnormally high metal content of the dark grey phyllite unit.

3. The above does not preclude the possibility of massive sulfide ore zones being present which, due to a combination of small surface area and sandy glacial cover, may not provide large high grade geochemical anomalies. Accordingly, the anomalous zones should be covered by an E.M. survey and favourable conductors further tested by bulldozer trenching, or if feasible, diamond drilling.

G. E. Barker,
Geologist,
Gibraltar Mines Limited

G. D. Bysouth,
Senior Geologist,
Gibraltar Mines Limited

Appendix A. Statement of Qualifications

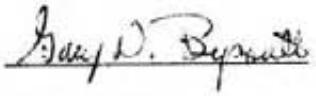
I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

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.



Garry D. Bysouth

I, George E. Barker, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

1. I have a General Science Degree from the University of Waterloo since 1985.

2. From 1978 to the present I have been engaged in mining and exploration geology in British Columbia.

4. I personally participated in the field work and supervised the program.

G. E. Barker

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date 19 NOV 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
15 E 25 N	—	31		17	21	
50		35		24	27	
75				14	21	
100		21		15	29	
125		17		20	25	
150		21		14	35	
175				23	50	
200		14		18	17	
225		N.S.		N.S.	N.S.	N.S.
250				11		
275						
300		23		17	15	
325				23		
350		31		12		
375				27		
400		23		33		
425				17		
450		17		18		
475		35		21		
500		25		19	42	
550		12		8	9	0.6
600		21		15	28	1.3
650		19		16	34	0.8
700		44		11	14	1.6
750		9		11	11	0.9
800		19		16	30	
850		15		14	17	
900		17		9	12	1.3
950		28		19	31	1.4
1000		24		13	34	1.7

cc: Assay Lab. 25
29

Assayer D.A.W.

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Au + Cu
Ag | Pb
Zn

EXPLORATION SOILS

Date ..... 10 Nov. ... 19 87.

Sample No.	% Ox. Cu.	Total Cu.	~~% Mo~~ Pb	Zn	Ag
15E BL		21	28	43	1.1
25 S		17	25	41	1.1
50		16	23	35	1.0
75		15	28	38	1.8
100		16	24	24	1.2
125		25	31	57	1.5
150		17	25	29	1.0
175		138	37	100	2.7
200		53	25	219	1.1
225		46	23	200	1.7
250		74	22	114	1.9
275		47	27	216	1.7
300		27	24	155	1.5
325		21	22	35	1.0
350		221	24	219	3.1
375		51	22	160	1.3
400		344	20	237	3.5
425		395	24	403	4.2
450		21	19	40	1.0
475		20	22	39	1.0
500		132	21	45	2.3
550		83	17	14	1.5
600		20	27	27	1.1
650		25	24	51	1.2
700		15	29	26	1.4
750		8	19	17	1.0
800		11	13	16	1.2
850		27	23	48	1.1
900		16	22	22	1.0
950		10	12	13	0.9
1000 S		10	13	11	0.8

cc: Assay Lab. 31

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

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 5 19 87

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Mo
1550E 25N		24		20	89	1.1
50		18	—	30	72	1.4
75		19		26	63	1.2
100		17		30	75	1.1
125		13		23	53	.9
150		14		23	53	.7
175		17		22	60	.7
200		13		17	43	.9
225		22		24	57	1.0
250		18		21	43	.8
275		29		29	86	1.1
300		19		26	60	1.1
325		36		40	194	1.3
350		28		37	88	1.4
375		28		30	52	1.7
400		20		31	56	1.2
425		30		41	58	2.0
450		22		35	48	1.3
475		35		39	71	2.0
500		26		27	51	1.0

cc: Assay Lab. 20

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 28 1987

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
1550 E BL		48		24	238	1.2
25 S		44		33	66	1.1
50		111		29	69	2.1
75		58		36	203	1.4
100		125		36	103	2.5
125		30		37	53	1.1
150		42		37	76	1.8
175		49		46	74	1.4
200		26		28	43	.9
225		26		25	24	1.6
250		39		45	64	2.1
275		29		36	75	1.2
300		31		31	84	1.2
325		27		23	23	1.4
350		65		35	65	3.0
375		217		41	900	3.0
400		426		44	312	4.4
425		28		50	62	1.3
450		53		27	87	1.7
475		38		29	42	1.1
500		72		39	75	1.9

cc: Assay Lab.

JJ

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration 5:1

ppm

Date Nov. 17 19 37

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
96E 25N		76		32	220	1.3
50		47		16	52	1.3
75		36		14	29	.5
100		40		18	30	1.0
125		39		16	24	.8
150		35		10	16	.6
175		31		11	20	1.0
200		46		18	35	1.2
225		44		12	35	1.1
250		37		20	34	1.5
275		44		20	51	1.3
300		42		10	31	1.1
325		39		19	47	1.4
350		43		14	37	1.3
375		61		22	46	3.1
400		37		21	54	1.2
425		45		23	59	1.1
450		55		22	47	1.1
475		43		23	26	1.5
500		29		9	18	1.4
525		25		15	31	2.7
600		29		15	25	1.3
650		26		14	19	.7
700		24		9	23	.6
750		39		24	77	1.8
800		29		16	44	1.3
850		23		16	20	1.0
900		16		19	16	1.2
950		20		23	23	2.0
1000		19		24	20	1.3

cc: Assay Lab. 30

Assayer RD

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 30 19 87

PPm

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
1600E BL		26		42	45	2.0
25S		15		12	12	.9
50		40		40	83	2.4
75		33		50	31	2.3
100		18		24	17	1.3
125		17		36	11	1.3
150		15		28	18	1.0
175		18		38	22	1.0
200		22		43	23	1.4
225		95		51	106	4.0
250		72		53	36	2.1
275		108		27	24	2.4
300		28		45	51	1.9
325		67		29	56	2.2
350		98		43	95	5.0
375		38		41	26	2.7
400		38		41	51	1.8
425		30		41	60	1.4
450		35		51	67	1.0
475		27		45	54	1.4
500		19		24	24	1.5
550		36		37	32	5.9
600		23		18	27	1.6
650		21		52	32	1.6
700		42		63	37	1.3
750		17		30	14	1.1
800		13		35	13	1.6
350		17		26	13	1.5
900		301		72	251	3.0
950		22		43	24	1.5
1000		13		22	9	1.2

cc: Assay Lab. 31

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 28 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
1650 E 25N		17		24	30	.6
50		15		23	27	.8
75		42		29	169	1.0
100		44		36	278	1.3
125		25		29	50	1.2
150		12		16	23	.6
175		16		26	27	.6
200		34		37	104	.9
225		68		29	20	2.6
250		8		16	12	.9
275		17		26	23	.8
300		19		30	47	1.3
325		18		37	37	.9
350		26		30	54	1.1
375		27		32	260	1.1
400		50		36	230	1.6
425		39		34	58	1.5
450		12		26	43	.8
475		17		25	26	.6
500		20		33	52	.9

cc: Assay Lab. 20

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 16 19 87

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
1650E BL		30		26	40	2.6
25S		51		16	27	1.4
50S		57		14	76	1.7
75S		47		21	49	1.8
100S		104		50	286	2.2
125S		65		18	48	1.2
150S		32		27	34	.9
175S		46		31	81	1.2
200S		60		34	60	2.0
225S		26		24	51	1.2
250S		64		43	94	1.6
275S		74		24	32	.9
300S		112		37	95	2.8
325S		142		28	182	2.0
350S		224		34	211	2.4
375S		25		17	30	1.3
400S		15		15	24	.8
425S		4		15	10	.6
450S		20		27	32	1.0
475S		16		28	40	1.8
500S		33		25	98	1.0

cc: Assay Lab. 21

Assayer JO

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration

Date Nov. 3 19 57

Soil Samples — PPM Ag | PPM Zn | PPM Pb | PPM Cu

Sample No.	% Ox. Cu.	[redacted]	[redacted]			
1700 E 25 N		0.8	24	12	23	
50		1.2	16	16	15	
75		1.6	32	12	23	
100		0.8	48	24	28	
125		1.6	104	24	45	
150		1.6	56	24	30	
175		1.6	8	8	18	
200		2.4	88	28	25	
225		3.2	36	16	25	
250		2.4	36	16	23	
275		0.8	20	16	15	
300		0.8	20	8	18	
325		0.8	16	12	13	
350		1.6	12	8	13	
375		2.4	28	16	20	
400		1.6	88	28	30	
425		0.8	28	12	20	
450		2.4	248	24	53	
475		1.6	40	16	20	
500		1.6	24	12	15	
550		1.6	40	20	15	
600		0.8	12	16	13	
650		3.2	28	16	48	
700		1.6	20	12	23	
750		1.6	40	16	18	
800		1.6	108	28	20	
850		1.6	88	20	28	
900		1.6	12	16	25	
950		1.6	36	20	28	
1700 E 1000 N		1.6	12	24	15	

cc: Assay Lab. 30

Assayer W. R. Thompson

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date 9 Nov. 1987

Sample No.	% Ox. Cu.	Total Cu.	~~% MoS2~~ Pb	Zn	Ag
1700 E BL		54	23	69	1.1
25 S		43	25	27	1.7
50		59	26	225	2.1
75		68	22	322	1.3
100		116	27	232	5.0
125		30	23	55	1.3
150		44	20	46	1.4
175		98	27	56	1.5
200		31	20	42	1.0
225		33	15	22	1.1
250		64	21	106	1.3
275		39	30	154	1.2
300		26	21	39	1.4
325		28	16	37	1.3
350		13	14	19	0.9
375		29	14	27	1.4
400		92	22	122	1.5
425		40	16	84	1.2
450		27	33	64	0.8
475		107	20	59	1.8
500		121	11	62	1.5
550		53	20	80	1.2
600		25	16	32	0.9
650		20	15	55	1.0
700		20	12	29	1.0
750		24	25	45	1.2
800		33	13	57	1.3
850		5	12	17	0.7
900		13	23	42	0.9
950		8	14	13	0.8
1000 S		20	7	21	0.8

cc: Assay Lab.

31

Assayer D.A.W.

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 1 87

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
17505 25N		2		22		
50N		22		21		1.0
75N		25		19		
100N		7		10		
125N		20		16		
150N		13		11	23	.6
175N		44		25	107	
[illegible]		33		27		
[illegible]		21		16		
250N		65		33		
[illegible]		65		35	96	
[illegible]						
[illegible]				23		
350N		21		19	76	
[illegible]		24		24	65	1.7
[illegible]		6		4	11	.5
[illegible]		6		6	12	
[illegible]		18				1.0
[illegible]					56	
[illegible]		19		20	38	1.0

cc: Assay Lab. 20

Assayer JJ

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date 0806 19 78

Sample No.	% Cx. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
1750 E BL		27		85	87	1.5
1750 E 25 S		14		46	50	1.4
50 S		15		53	34	.5
75 S		30		52	47	1.2
100 S		109		60	171	7.4
125 S		72		40	62	1.4
150 S		14		23	27	.8
175 S		26		19	20	.8
200 S		14		11	17	1.1
225 S		28		21	29	.9
250 S		60		37	135	2.2
275 S		18		23	40	1.0
300 S		22		26	55	1.1
325 S		15		29	21	.8
350 S		54		40	241	1.2
375 S		332		60	172	2.8
400 S		67		40	98	1.5
425 S		135		32	212	1.7
450 S		50		35	86	1.2
475 S		97		25	21	2.8
500 S		47		50	143	1.8

cc: Assay Lab. 21

Assayer JJ

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

2

Exploration S.

ppm

Date Oct 21 19 85

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
1800 E FL		17		25	44	1.3
25 N		7		20	17	1.5
50		17		30	49	1.5
75		9		15	20	1.1
100		15		20	25	1.5
125		10		24	26	1.4
150		21		25	50	1.7
175		10		24	22	2.0
200		164		66	193	6.0
		64		41	55	3.7
		49		47	126	2.5
275		46		40	99	2.0
300		33		32	96	1.9
325		33		36	86	1.1
350		10		16	13	.8
375		9		19	17	.8
400				13	13	.7
425		6		20	14	.9
450		16		13	10	.9
475		6		13	14	1.0
		11		21	21	1.2
		29		31	102	1.4
		25		24	11	1.6
		20		26	50	1.3
700		15		10	22	1.4
725		13		23	21	.8
750		4		36	50	2.2
		27		42	80	1.6
		36		27	44	2.0
		36		34	43	2.0
		27		25	19	1.5

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 18 ..Nov..... 1987..

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂			
			Pb	Zn	Ag	
18 E 25 S		42	28	48	1.2	
50		84	58	155	4.8	
75		102	47	148	2.3	
100		26	47	38	1.3	
125		129	29	472	3.5	
150		29	26	77	1.1	
175		21	42	65	1.1	
200		20	27	76	1.2	
225		29	28	146	1.1	
250		62	32	49	2.9	
275		30	22	29	0.9	
300		32	31	102	1.0	
325		242	24	520	1.8	
350		10	20	2[illegible]	2.3	
375		82	104	2[illegible]	2.0	
400		457	42	327	4.0	
425		64	29	42[illegible]	2.5	
450		24	32	29	1.2	
475		25	28	[illegible]	1.4	
500		223	42	146	2.7	
550 ~~575~~		31	40	56	1.2	
600 ~~625~~		18	34	37	1.1	
650		41	31	62	1.0	
700		19	25	32	0.9	
750		32	30	36	1.1	
800		15	27	27	1.0	

c: Assay Lab

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

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Sec

Date ..... 19.....

Sample No.	% Ox. Cu.	Total Cu. PPM	% MoS_2	Pb PPM	Zn	Ag
1850 E BL		8		11	5	.3
1850 E 25N		5		14	7	.3
50N		170		34	33	4.0
75N		31		20	42	1.1
100N		22		14	32	.5
125N		30		15	26	.7
150N		21		22	54	1.0
		25		25	43	1.3
		26		20	48	.8
		23		24	39	1.5
		39		28	48	1.4
		53		33	56	1.3
		49		39	98	1.7
		17		16	18	.7
		12		12	16	.8
		7		11	12	.5
		13		15	20	.4
		9		10	18	.4
		20		26	43	.8
		22		19	33	.6
		26		19	26	.4

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 6 OCT 19 87

Sample No.	% Ox. Cu.	Total Cu.	~~% Mo6.~~			
		ppm	Zn	Pb	Ag	
1850 E 25 S		24	49	18	0.4	
50 S		52	79	22	0.9	
75 S		35	45	21	1.1	
100 S		22	28	16	0.4	
125 S		57	130	35	2.2	
150 S		96	249	24	2.9	
175 S		31	111	23	1.0	
200 S		30	112	26	1.3	
225 S		15	60	20	0.7	
250 S		8	32	11	0.5	
275 S		55	116	23	1.5	
300 S		132	140	30	2.9	
325 S		104	160	37	1.1	
350 S		412	505	119	4.9	
375 S		5	20	52	1.5	
400 S		7	107	14	0.5	
425 S		21	107	8	1.0	
450 S		61	61	24	1.4	
475 S		62	57	7	1.0	
500 S			104	50	2.6	

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 5 19 87

Sample No.	% Ox. Cu.	Total Cu. ppm	% MoS_2	Pb ppm	Zn ppm	Ag ppm
19E BL		20		17	29	0.5
19E-25N		120		47	299	1.6
50N		55		24	69	1.2
75N		24		21	86	.8
100N		117		40	183	2.3
125N		40		25	66	1.0
150N		33		29	30	.6
175N		26		26	49	.8
200N		22		21	37	.5
225N		[illegible]		[illegible]	[illegible]	[illegible]
250N		[illegible]		[illegible]	102	[illegible]
275N		28		25	61	1.0
300N		[illegible]		[illegible]	67	.6
325N		[illegible]		[illegible]	[illegible]	[illegible]
350N		19		25	[illegible]	.8
375N		12		28	25	[illegible]
400N		[illegible]		[illegible]	[illegible]	[illegible]
425N		[illegible]		21	17	[illegible]
450N		18		16	12	.4
475N		[illegible]		29	[illegible]	[illegible]
500N		[illegible]		[illegible]	[illegible]	[illegible]
550N		[illegible]		[illegible]	[illegible]	[illegible]
600N		[illegible]		16	[illegible]	.6
650N		20		[illegible]	[illegible]	[illegible]
700N		14		[illegible]	[illegible]	[illegible]
750N		17		[illegible]	[illegible]	.4
800N		21		31	33	.4
850N		96		41	[illegible]	1.3
900N		[illegible]		[illegible]	[illegible]	[illegible]
950N		[illegible]		[illegible]	[illegible]	[illegible]
1000N		17		25	12	.4

cc: Assay Lab.

Assayer [signature]

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 7 19 87

Sample No.	% Cx. Cu.	Total Cu. ppm	% MoS_2	Pb ppm	Zn	Ag
1900 E 025S		40		29	50	1.5
50 S		26		12	16	-8
75 S		29		30	29	4.3
100S		64		23	34	2.5
125 S		50		40	38	1.9
150 S		48		29	117	1.0
175 S		37		30	37	1.2
200S		35		32	36	3.0
225 S		56		33	37	3.6
250 S		46		26	12	1.7
275 S		46		24	27	1.0
300 S		80		37	145	1.4
325 S		60		44	78	1.4
350 S		57		30	41	2.5
375 S		76		45	146	2.1
400 S		85		48	83	1.5
425 S		60		44	157	2.0
450 S		24		24	73	1.3
475 S		33		30	32	1.0
500 S		32		20	42	1.0
525 S		18		22	14	1.0

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 6 ... OCT. 19 87

Sample No.	% Ox. Cu.	Total Cu.	~~% MoS₂~~ Zn	Pb	Ag	
1950 E BL		22	35	16	0.8	
25N		101	147	15	0.9	
1950 50N		29	84	25	1.7	
1950 E 75N		33	194	23	2.3	
100N		50	65	21	1.4	
125N		21	28	21	1.2	
150N		18	[illegible]	[illegible]	[illegible]	
175N		[illegible]	[illegible]	[illegible]	[illegible]	
200N		90	113	[illegible]	3.0	
225N		43	[illegible]	17	1.3	
250N		33	51	20	1.4	
275N		19	11	13	1.1	
300N		69	20	21	2.0	
325N		[illegible]	[illegible]	[illegible]	[illegible]	
350N		[illegible]	55	[illegible]	1.6	
375N		21	16	8	0.8	
400N		25	21	20	1.7	
425N		[illegible]	[illegible]	[illegible]	[illegible]	
450N		[illegible]	[illegible]	[illegible]	[illegible]	
475N		19	21	14	1.0	
500N		27	26	16	1.6	

cc: Assay Lab

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 7 .... OCT ..... , 19.87.

Sample No.	% Ox. Cu.	Total Cu.	~~% MoS.~~ Pb	Zn	Ag
1950 E 25 S		374	38	260	13.6
50 S		371	38	293	13.1
75 S		238	32	176	8.1
100 S		188	49	493	3.6
125 S		189	218	220	3.2
150 S		47	39	66	2.6
175 S		32	36	37	2.5
200 S		41	24	71	3.5
225 S		164	32	129	2.9
250 S		108	26	142	4.1
275 S		87	36	122	3.0
300 S		26	26	39	1.8
325 S		134	25	139	2.5
350 S		60	22	28	1.4
375 S		10	32	71	1.4
400 S		107	29	171	1.8
425 S		209	20	237	3.7
450 S		44	15	59	1.0
475 S		77	37	174	2.2
500 S		26	15	20	0.8

cc: Assay Lab

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

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 8...OCT. ....., 19.87.

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂			
			Pb	Zn	Ag	
20 E BL		19	15	14	0.9	
25 N		25	21	55	1.8	
50 N		18	23	68	1.8	
75 N		10	18	16	0.9	
100 N		9	11	9	0.7	
125 N		18	20	19	1.0	
150 N		24	24	48	1.6	
175 N		18	18	22	1.0	
200 N		55	29	68	0.9	
225 N		48	23	97	1.0	
250 N		25	20	72	1.2	
275 N		16	15	21	1.0	
300 N		57	22	25	3.2	
325 N		60	25	33	1.7	
350 N		25	17	39	0.9	
375 N		34	17	32	1.3	
400 N		37	24	53	1.4	
425 N		17	16	27	1.1	
450 N		27	19	39	1.2	
475 N		44	16	20	1.3	
500 N		24	17	34	0.9	
550 N		29	12	16	0.9	
600 N		50	17	38	1.6	
650 N		15	9	4	0.6	
700 N		14	14	18	0.7	
750 N		12	15	18	1.0	
800 N		15	17	28	0.8	
850 N		17	16	24	0.6	
900 N		37	19	47	1.2	
950 N		20	21	34	0.9	
1000 N		16	18	15	0.9	

cc: Assay Lab

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

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil PPM Date Oct 8 19 87

Sample No.	% Ox. Cu.	Total Cu.	~~% MoS~~	Pb	Zn	Ag
[illegible] BL		24		16	46	1.4
25 S		44		20	123	2.1
50 S		26		14	60	1.2
75 S		15		14	8	.9
100 S		18		17	50	2.3
125 S		65		32	162	1.8
150 S		59		27	147	1.7
175 S		20		13	17	.6
[illegible] S		58		20	41	1.6
[illegible]		232		12	352	3.6
[illegible]		58		79	137	1.9
[illegible]		42		33	65	1.3
[illegible]		24		15	111	1.6
[illegible]		25		26	123	1.3
[illegible]		69		26	230	1.8
[illegible]		52		141	210	3.6
[illegible]		55		21	74	1.6

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 13 19 85

Sample No.	~~% Ox.~~ Cu.	Total Cu. PPM	~~% MoS2~~	Pb PPM	Zn PPM	Ag
2050E BL		23		27	52	.8
2050E 25N		24		24	76	.6
50N		34		31	107	1.2
75N		40		52	63	2.8
100N		40		40	103	2.3
125N		25		31	83	1.0
150N		40		29	52	1.0
175N		22		20	26	1.2
200N		41		23	37	1.0
[illegible]		6		24	[illegible]	.7
250N		13		19	35	.7
275N		13		20	31	.8
300N		51		40	67	1.4
325N		20		21	28	.6
350N		17		25	28	.6
[illegible]		29		24	73	.9
400N		30		27	67	.7
425N		25		28	[illegible]	.8
450N		15		20	27	.6
[illegible]		8		20	17	.9
[illegible]		15		24	32	1.0

cc: Assay Lab.

Assayer [signature]

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

ppm

Date Oct 8 1987

Sample No.	~~% Ox. Cu.~~	Total Cu.	~~% MoS~~	Pb	Zn	Ag
2050E 25S		16		13	26	.8
50S		23		13	46	1.1
75S		78		26	63	2.0
100S		107		35	87	4.8
125S		60		43	290	1.4
150S		31		14	57	1.7
175S		81		22	110	2.3
200S		55		23	67	1.6
225S		146		16	510	3.5
250S		47		33	115	3.6
275S		54		16	72	
300S		36		30	59	2.6
325S		46		34	112	2.0
350S		40		37	70	
375S		30		74	73	1.5
400S		58		60	124	
425S		48			72	
450S		31		16	128	
475S		56		16	168	
500S		41		24	24	

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Sec.

Date Oct 16 87

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
21E 13L		27		40	66	1.0
21E 25N		15		27	29	1.0
50		28		40	40	2.9
75		91		30	207	3.4
100		78		52	41	2.8
125		64		44	618	2.3
150		45		48	161	1.6
175		58		48	161	1.6
200		39		33	62	1.7
225		75		44	170	3.4
250		32		32	70	.6
275		24		45	40	1.5
300		134		105	194	2.9
325		22		69	48	1.6
350		21		33	30	1.2
375		19		33	48	1.0
400		30		39	42	1.6
425		29		69	41	.6
450		26		33	55	1.1
475		32		50	45	1.4
500		24		1	1	.6
550		21		42	44	.9
600		45		42	37	1.1
650		25		41	62	1.2
2 700		82		45	43	2.1
750		27		31	40	1.0
800		15		25	29	.9
850		1		1	30	.5
900		2.0		1	32	.0
950		2		1	1	.1
1000		82		32.	40	1.3

cc: Assay Lab

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil — ppm — Date Oct 20 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
21E 25S		27		24	32	1.8
50		12		26	20	1.0
75		113		36	63	3.2
100		73		30	27	2.3
125		37		34	150	1.1
150		15		30	30	1.0
175		33		33	83	1.7
200		49		31	15	1.2
225		280		30	143	2.7
		68		42	97	1.5
		63		32	126	1.6
		146		30	91	2.0
		18		23	37	1.3
		18		33	42	2.0
		28		53	91	2.3
400		56		35	97	2.3
		89		24	479	1.6
		56		30	196	1.7
		76		39	104	1.3
		24		26	26	1.5
		45		28	21	2.0
600		48		30	46	1.1
650		36		33	59	1.0

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil — ppm — Date Oct 16 19 8

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Fe
2150E 25N		21		36	37	1.2
50		124		68	220	2.4
75		23		25	34	1.9
100		37		37	77	2.0
125		44		77	162	3.1
150		40		48	142	2.2
175		48		47	290	2.3
200		32		32	37	1.5
225		22		40	22	1.5
250		-		-	-	-
275		31		41	45	-
300		86		59	53	1.7
325		28		34	28	1.5
350		25		54	28	1.8
375		23		42	50	1.9
400		27		60	38	2.0
425		22		30	37	2.1
450		10		21	10	1.0
475		27		31	33	1.8
500		24		31	33	1.3

cc: Assay Lab

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 19 ..... 19 82

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	[illegible]	[illegible]	[illegible]
2150E		16				
2150E-25S		15		17	21	.5
50		27		29	64	.9
75		26		21	36	1.3
100		26		28	65	1.60
125		172		29	1040	4.3
150		48		25	120	1.5
175		[illegible]		[illegible]	50	2.0
200		[illegible]		40	44	2.0
225		[illegible]		[illegible]	54	1.5
250		[illegible]		[illegible]	[illegible]	[illegible]
275		31		[illegible]	81	2.2
300		32		[illegible]	[illegible]	1.7
325		[illegible]		[illegible]	[illegible]	[illegible]
350		20		[illegible]	[illegible]	[illegible]
375		31		[illegible]	[illegible]	2.0
400		07		200	470	3.4
425		114		[illegible]	[illegible]	2.[illegible]
450		19		[illegible]	22	1.0
475		[illegible]		20	91	3.3
500 N		[illegible]		[illegible]	[illegible]	[illegible]

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 11 OCT 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
2200 E BL		39		27	114	1.1
25 N		75		26	139	1.3
50		76		27	114	1.0
75		20		44	52	1.1
100		47		27	750	1.0
125		84		473	254	4.0
150		34		33	56	1.4
175		30		22	82	0.8
200		24		24	52	0.7
225		27		18	32	0.7
250		15		19	34	0.7
275		20		23	25	0.6
300		21		24	51	0.8
325		58		39	46	1.5
350		18		27	46	1.3
375		10		14	24	0.6
400		16		22	37	0.7
425		21		22	59	1.1
450		17		21	22	0.6
475		13		20	25	0.5
500		16		28	38	0.6
550		25		26	62	0.5
600		23		16	35	0.8
650		27		25	47	0.5
700		19		18	39	0.7
750		69		45	51	1.2
800		16		22	17	0.3
850		29		29	48	0.7
900		8		16	13	0.5
950		19		15	19	0.3
1000 N		15		20	19	0.3

cc: Assay Lab.

Assayer D. A. W.

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration [illegible]

Date [illegible] 87

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
2200E 25S		17		20	30	1.2
50S		13		24	20	1.2
75S		12		26	9	1.3
100S		28		29	27	1.8
125S		74		40	370	2.7
150S		48		60	176	1.8
175S		54		42	450	1.6
200S		33		27	133	1.7
[illegible]		70		26	30	1.6
[illegible]		[illegible]		27	25	1.6
[illegible]		48		33	65	1.2
[illegible]		34		24	81	1.0
[illegible]		49		27	54	1.9
[illegible]		26		22	48	1.4
[illegible]		34		28	92	2.2
400S		29		30	49	2.1

cc: Assay Lab

Assayer [illegible]

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Oct 28 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
2250 E BL		56		25	93	1.1
25 N		72		35	84	2.0
50		87		27	101	1.5
75		76		33	112	1.9
100		105		50	237	2.0
125		24		37	130	1.6
150		17		19	36	.7
175		15		25	42	.8
200		15		24	28	.5
225		12		15	18	.4
250		18		23	17	.4
275		13		27	39	.6
300		28		23	31	.7
325		16		27	39	.8
350		10		23	28	.5
375		13		22	28	.5
400		26		24	71	.7
425		17		29	34	.7
450		14		21	18	.3
475		30		15	10	.8
500		40		21	43	.6

cc: Assay Lab

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 26 OCT ....., 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂			
			Pb	Zn	Ag	
2250 E 25 S		52	43	232	1.9	
50		16	20	13	1.0	
75		47	44	37	2.5	
100		34	39	87	1.6	
125		87	54	114	2.0	
150		36	29	26	1.2	
175		33	27	47	1.7	
200		48	40	252	2.2	
225		42	31	29	1.8	
250		28	34	43	1.2	
275		25	30	37	1.0	
300		59	36	62	1.4	
325		42	41	82	1.9	
350		24	27	55	1.3	
375		24	26	46	1.5	
400 S		45	36	37	1.6	

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 20 OCT. 1987

Sample No.	% Ox. Cu.	Total Cu.	~~% MoS~~ Pb	Zn	Ag	
23+00E BL		19	20	43	0.8	
25 N		17	28	39	1.3	
50		8	22	20	0.9	
75		10	21	15	1.3	
100		22	26	29	1.6	
125		30	34	71	1.5	
150		33	35	43	1.6	
175		24	31	36	1.4	
200		19	29	34	1.1	
225		18	35	25	1.2	
250		11	12	10	0.7	
275		10	20	8	0.5	
300		19	27	23	0.8	
325		11	16	9	0.9	
350		38	35	49	1.6	
375		16	17	10	0.7	
400		15	14	11	0.7	
425		31	20	12	1.0	
450		19	24	18	0.9	
475		20	25	16	0.8	
500		35	34	87	1.5	
525		17	17	16	1.3	
600		21	24	22	1.0	
650		21	22	20	1.0	
700		21	21	19	0.8	
750		26	41	27	1.2	
800		15	17	9	1.1	
850		42	49	33	2.0	
900		18	17	13	0.8	
950		31	33	18	1.0	
1000 N		33	32	26	1.4	

cc: Assay Lab.

Assayer .....

Form, No. Mill - 1

D

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 12 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
2300E 25S		12		14	43	.7
50		17		26	32	1.1
75		34		19	47	1.4
100		38		24	116	1.2
125		58		17	46	2.6
150		44		18	52	1.4
175		226		73	1160	5.5
200		60		21	X134	2.0
225		75		24	54	3.0
250		55		25	73	1.6
275		40		26	96	1.5
300		35		24	50	1.7
325		23		21	45	1.3
350		23		22	65	1.5
375		10		16	32	1.7
400		65		19	313	4.2

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 21 ... OCT. ..., 1987..

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2			
			Pb	Zn	Ag	
2350 E 25 N		9	15	8	0.6	
50		29	27	76	1.4	
75		41	41	100	1.4	
100		38	35	100	1.5	
125		50	30	97	1.8	
150		26	30	34	1.4	
175		46	34	37	1.3	
200		41	29	64	1.5	
225		31	17	18	0.5	
250		25	24	21	0.7	
275		31	15	17	0.7	
300		29	16	24	0.9	
325		25	29	32	1.4	
350		21	22	22	1.1	
375		21	21	43	0.8	
400		25	24	34	1.1	
425		31	31	52	1.0	
450		27	38	50	1.3	
475		27	21	24	0.7	
500 N		31	23	38	0.9	

Assay Lab

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 20 ... OCT. ... 19 87 ..

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂			
			Pb	Zn	Ag	
2350 E BL		15	26	18	1.1	
25 S		17	17	14	0.9	
50		29	25	55	1.4	
75		19	30	23	1.4	
100		35	30	59	1.2	
125		38	20	215	1.1	
150		115	35	488	1.8	
175		109	61	356	2.6	
200		75	27	515	1.9	
225		81	48	91	1.5	
250		46	43	130	2.0	
275		52	32	42	1.5	
300		69	35	91	2.2	
325		25	34	52	1.3	
350		55	28	107	1.8	
375		86	35	131	2.1	
400		68	80	94	1.9	
425 S		12	15	10	0.6	

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration SO

Date ..... 19..

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb		
2400E 25N		23		23		1.0
50		27		20	40	.8
75		17		12	19	.9
100		52		45	246	1.4
125		17		24	36	.8
150		36		31	77	1.8
175		11		19	27	.9
200		28		26	53	1.0
225		39		37	80	1.6
250						
275						
300		26		31		1.6
325		29		33	81	
350		20				1.1
375		17		32		1.1
400						
425						1.1
450					21	.7
475		10		20	29	.7
500						.9
550						
600						
650				41		1.2
700				30		1.2
750		14		18		.7
800						
850						
900						
950						1.0
1000						

cc: Assay Lab.

Assayer .....

'orm. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 26 OCT. ..., 1987

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2			
			Pb	Zn	Ag	
24E BL		25	21	15	0.9	
25 S		33	28	23	1.5	
50		15	28	17	0.6	
75		21	32	34	1.2	
100		21	24	40	1.1	
125		46	36	155	1.0	
150		94	30	133	1.4	
175		18	24	28	0.8	
200		57	35	57	1.5	
225		132	61	430 ✓	2.5	
250		55	48	78	1.6	
275		54	28	51	1.2	
300		66	34	46	1.2	
325		72	39	116	1.7	
350		41	38	78	1.2	
375		37	31	57	1.1	
400		94	42	81	2.0	
425		69	48	148	1.0	
450		18	27	38	0.4	
475		39	28	12	1.2	
500		33	28	20	0.8	
525		22	42	30	1.1	
600		16	29	27	0.7	
650		17	25	15	0.6	
700		22	41	72	1.1	
750		12	20	15	0.3	
800		39	21	15	0.7	
850		22	40	41		
900		25	50	61	1	
950		25	40	59	1.6	
1000 S		10	26	23	1.0	

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov. 17 19 8

PPm

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
2450 E 25 S		24		28	72	1.4
50		24		28	70	1.1
75		22		20	19	1.0
100		35		20	250	1.3
125		19		19	201	1.6
150		15		22	24	4.3
175		25		20	28	3.6
200		28		199	129	2.7
225		129		44	212	3.4
250		41		37	82	1.7
275		20		28	36	1.4
295		20		27	38	1.3
00		39		34	107	1.7
25		43		36	128	3.2
50		61		27	99	2.5
375		47		26	41	1.3
400		27		24	45	1.0

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 26 19 8

Sample No.	% Ox. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
2450E BL		17		22	15	1.1
25 N		40		24	85	1.4
50		28		20	50	.9
75		18		16	21	1.1
100		21		16	35	1.1
125		40		24	107	1.5
150		31		22	76	1.3
175		13		22	14	1.0
200		21		20	25	.9
225		31		34	46	1.3
250		19		16	19	1.0
300		30		29	44	1.2
350		21		27	24	1.1
375		23		26	23	.9
400		17		18	10	1.0
425		52		24	19	1.8
450		17		17	22	.6
475		20		16	18	.7
500		24		19	12	.8

cc: Assay Lab.

Assayer JO

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil PPM Date Oct 21 1983

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
25E BL		28		21	62	1.2
25 N		11		23	25	1.6
50		17		19	29	1.6
75		15		30	36	1.2
100		16		25	42	1.5
125		27		21	64	1.4
150		39		30	83	1.6
175		19		21	34	1.6
200		19		17	30	5.6
[illegible]		19		19	39	3.7
[illegible]		22		32	43	2.2
[illegible]		29		27	59	2.5
[illegible]		21		24	77	1.3
350		16		19	23	1.7
375		17		22	33	1.6
400		16		28	39	1.1
425		15		23	22	1.1
450		21		30	33	1.0
475		16		32	23	1.6
500		28		35	50	1.0
550		70		56	65	1.0
600		24		27	13	1.5
650		19		29	49	2.6
700		17		24	35	1.3
[illegible]		14		26	27	1.6
[illegible]		15		19	21	1.0
[illegible]		30		22	27	2.1
[illegible]		14		26	24	1.5
[illegible]		16		27	26	2.3
[illegible]		17		17	15	1.5

cc. Assay Lab.

Assayer JJ

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 9 19 87

Sample No.	% Cx. Cu.	Total Cu.	% MoS₂	Pb	Zn	Ag
25E 25S		22		36	47	1.0
50		35		30	48	.9
75		11		16	6	.8
125		25	1	19	260	.6
150		47		32	66	1.2
175		28		21	34	2.4
200		71		27	132	2.3
225		203		65	320	2.7
250		40		47	130	1.0
275		282		79	1550	[illegible]
300		19		30	46	.5
[illegible]		35		35	92	2.1
[illegible]		29		30	40	1.2
375		48		20	35	.7
400		46	3	37	106	1.3
500		26		30	21	1.0
[illegible]		46		21	26	1.1
600		11		6	7	.2
650		76		28	17	1.2
750		35		37	27	1.0
800		264		44	23	1.3
850		17		17	21	.6
900		25		30	72	1.5
950		11		30	22	.3
1000		14		20	22	.5

cc: Assay Lab 2

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date 22 OCT, 19 87.

Sample No.	% Ox. Cu.	Total Cu.	~~% Mo S~~ Pb	Zn	Ag	
2600 E 50 N		20	18	33	0.7	
100		18	22	41	1.3	
150		23	19	21	1.5	
200		22	20	58	1.1	
250		14	18	31	0.9	
300		23	14	25	0.8	
350		19	15	26	0.7	
400		16	12	20	0.5	
450		28	21	25	0.6	
500		17	13	29	0.5	
550		25	24	27	1.0	
600		21	12	28	0.3	
650		12	15	33	0.4	
700		17	15	31	0.5	
750		26	12	24	0.6	
800		10	12	12	0.7	
850		32	14	11	2.0	
900		27	23	42	1.1	
950		55	20	36	0.9	
1000 N		63	23	32	1.4	

cc. Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 12 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
2600 E BL		170		42	153	2.1
50S		30		30	55	2.0
100		83		25	365	8.8
150		12		26	22	2.1
200		31		19	25	3.8
250		457		56	600	3.4
300		32		32	75	2.1
350		10		14	26	.7
450		17		16	37	1.1
500		23		24	29	1.0
550		21		23	27	1.7
600		25		31	15	1.1
650		16		23	26	.8
700		12		29	22	1.0
750		35		36	48	1.6
800		40		31	46	1.5
850		16		50	29	1.2

cc: Assay Lab.

Assayer

Form. No. Mill - 1

Duck Cu Zn Pb Ag assays

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 9 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
27 E BL		30		20	49	1.0
50 N		29		20	31	.7
100		17		18	27	.9
150		66		23	72	4.0
200		26		29	17	1.3
250		37		20	16	2.0
300		44		32	82	.8
350		46		21	51	.5
400		28		27	33	1.0
450		23		20	40	.8
500		14		24	29	.6
550		20		20	68	.9
600		8		13	10	.5
650		12		7	16	.7
700		14		8	18	.7
850		24		17	27	.8
900		22		14	21	.6
950		23		16	24	.7
1000		22		30	46	.9

cc: Assay Lab.

Assayer

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 20 JAN 19 68

Sample No.	% Ox. Cu.	Total Cu. PPM	% MoS_2	ppm Pb	ppm Zn	Ag ppm
27 E 50c S		37		24	103 X	1.6
100		105 ✓		26	79	2.0
150		142 ✓		33	179 X	2.4
200		60		18	115 X	1.2
250		22		12	26	1.6
300		[illegible]		[illegible]	[illegible] ✓	[illegible]
350 ↓		[illegible] ✓		36 ✓	238 ✓	7.5 ✓
21 E 450 S		[illegible]		[illegible]	[illegible]	[illegible]
500		[illegible]		[illegible]	[illegible]	[illegible]
550 ↓		[illegible]		[illegible]	[illegible]	[illegible]
27 E 650 S		[illegible] ✓		[illegible]	[illegible]	[illegible]
700		[illegible]		22	[illegible]	1.4
750		[illegible]		[illegible]	[illegible]	0.5
800		[illegible]		[illegible]	[illegible]	[illegible]
850		[illegible]		50 ✓	[illegible]	1.0 ✓
900 ↓		[illegible]		102 ✓	103 X	2.5 ✓

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Drill

Date JAN 18 19 88

PPM

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
28E 50N		35		15	40	2.0
100		27		15	52	0.8
150		30		17	43	1.0
200		42		22	60	1.2
250		44		16	66	1.6
300		13		10	14	1.0
350		25		18	43	1.5
400		20		17	41	1.2
450		18		12	33	1.1
500		40		25	43	1.1
550		54		19	49	1.0
L28 600N		30		21	42	1.2
650		12		18	15	0.6
700		11		17	16	1.0
750		17		14	18	0.6
800		25		22	48	1.0
850		28		24	43	1.6
900		11		19	9	0.7
950		18		21	18	1.1
1000		51		33	35	2.5

cc: Assay Lab

Assayer J J

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION SOILS

Date ..... 21. JAN. ..., 19 88.

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	ppm Pb	ppm Zn	ppm Ag
		PPM				
L 28 BL		[illegible]		20	48	[illegible]
50 S		[illegible]		33	71	1.5
100		17		25	22	0.5
150		116		41	113	3.9
200		[illegible]		31	73	1.1
250		[illegible]		15	29	2.6
300		[illegible]		[illegible]	61	[illegible]
350		[illegible]		[illegible]	23	0.9
[illegible]					[illegible]	[illegible]
450				[illegible]	35	[illegible]
500		[illegible]		[illegible]	19	[illegible]
550		[illegible]		[illegible]	20	[illegible]
600				[illegible]	25	[illegible]
650		[illegible]		[illegible]	25	[illegible]
700		[illegible]		[illegible]	40	1.1
750		[illegible]		[illegible]	[illegible]	[illegible]
800		[illegible]		[illegible]	[illegible]	[illegible]

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil PPM

Date Nov 10 19 87

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
29E 150N		46		44	119	1.P
200		71		183	109	2.5
250		17		22	19	1.2
300		18		20	20	1.3
350		21		23	40	1.4
400		69		32	40	2.9
450		26		21	21	.8
500		13		18	19	.9
[illegible]		9		12	13	.8
[illegible]		18		26	46	1.2
[illegible]		23		29	50	1.5
700		18		17	38	1.0
[illegible]		18		16	26	.9
[illegible]		19		20	36	.7
850		15		17	25	.7
[illegible]		8		15	7	<3
[illegible]		10		14	11	.5
[illegible]		8		15	8	.2

cc: Assay Lab

Assayer [signature]

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration SW

Date JAN 19 88

Sample No.	% Ox. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
29E BL		30		16	41	0.5
29E 50S		32		21	65	1.4
100		350		60	276	2.1
150		45		21	69	1.6
200		81		19	61	1.2
250		31		19	53	0.7
300		14		17	24	0.4
350		21		14	44	1.0
400		18		15	15	0.4
450		NS		NS	NS	NS
500		16		17	18	1.0
550		18		14	14	0.8
600		20		16	24	1.0
650		14		11	23	0.5
700		12		12	15	0.6
750		25		19	41	1.0
800		42		34	51	0.9

cc: Assay Lab

Assayer

Form. No. Mill - 1

Ⓓ

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 10 19 87

Sample No.	% Cx. Cu.	Total Cu.	% MoS_2	Pb	Zn	Ag
30E 50N		23		22	41	.9
100		30		26	79	1.0
150		45	2	28	211	1.4
300		43		60	128	1.2
350		18		38	43	1.0
400		20		28	44	1.0
450		40		25	39	1.0
500		17		24	41	.8
550		10		18	32	.8
600		82		75	82	2.9
650		16		20	33	.8
700		12		10	14	.5
750		22		22	61	1.1
800		11		14	21	.8
850		17		17	18	.6
900		21		20	89	1.2
950		11		19	14	.7
1000		34		22	22	1.8

cc: Assay Lab

Assayer

Form. No. Mill - 1

Pb 1 Cu + Zn computed

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration Soil

Date Nov 26 1987

Sample No.	% Ox. Cu.	Total Cu.	% MoS2	Pb	Zn	Ag
2650 E BL		24		26	28	1.0
2750 E BL		23		21	39	1.3
2850 E BL		14		17	11	.5
2950 E BL		105		46	109	3.2
30 E BL		37		21	46	1.4
50 S		36		27	54	.9
100		31		21	74	1.9
150		38		23	950	1.4
200		32		31	74	2.3
250		37		39	68	1.4
300		36		45	59	1.1
350		16		19	21	.7
400		19		23	35	.9
450		15		34	35	1.3
500		14		29	26	1.0
~~550~~						

cc: Assay Lab

Assayer

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5
PHONE 372-2784 - TELEX 048-8320 - FAX 372 1112

GEOCHEMICAL LAB REPORT

GIBRALTAR MINES LTD.
BOX 130
MCLEESE LAKE, B.C.
V0L 1P0

DATE DECEMBER 14, 1987

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
1	25N 15E	3.0
2	50N	3.0
3	75N	3.0
4	100N	35.0
5	125N	3.0
6	150N	3.0
7	175N	3.0
8	200N	3.0
9	250N	3.0
10	275N	3.0
11	300N	3.0
12	325N	3.0
13	350N	3.0
14	375N	3.0
15	400N	3.0
16	425N	3.0
17	450N	3.0
18	475N	3.0
19	500N	3.0
20	550N	3.0
21	600N	3.0
22	650N	3.0
23	700N	3.0
24	750N	3.0
25	800N	3.0
26	850N	3.0
27	900N	3.0
28	950N	3.0
29	1000N 15E	3.0
30	B/L 15E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
31	25S 15E	3.0
32	50S	3.0
33	75S	3.0
34	100S	3.0
35	125S	3.0
36	150S	3.0
37	175S	3.0
38	200S	3.0
39	225S	3.0
40	250S	3.0
41	275S	3.0
42	300S	3.0
43	325S	3.0
44	350S	3.0
45	375S	3.0
46	400S	3.0
47	425S	3.0
48	450S	3.0
49	475S	3.0
50	500S	3.0
51	550S	3.0
52	600S	3.0
53	650S	3.0
54	700S	3.0
55	750S	3.0
56	800S	3.0
57	850S	3.0
58	900S	3.0
59	950S	3.0
60	1000S 15E	3.0
61	25N 1500E	3.0
62	50N	3.0
63	75N	3.0
64	100N	3.0
65	125N	3.0
66	150N	3.0
67	175N	3.0
68	200N	3.0
69	225N	3.0
70	250N 1500E	10.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
71	275N 1500E	3.0
72	300N	3.0
73	325N	3.0
74	350N	3.0
75	375N	25.0
76	400N	3.0
77	425N	3.0
78	450N	3.0
79	475N	3.0
80	500N 1500E	3.0
81	B/L 1500E	3.0
82	25S	3.0
83	50S	3.0
84	75S	3.0
85	100S	3.0
86	125S	3.0
87	150S	3.0
88	175S	3.0
89	200S	3.0
90	225S	3.0
91	250S	3.0
92	275S	3.0
93	300S	3.0
94	325S	3.0
95	350S	3.0
96	375S	3.0
97	400S	3.0
98	425S	3.0
99	450S	3.0
100	475S	3.0
101	500S 1500E	3.0
102	25N 16E	3.0
103	50N	3.0
104	75N	3.0
105	100N	3.0
106	125N	3.0
107	150N	3.0
108	175N	3.0
109	200N	3.0
110	225N 16E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
111	250N 16E	3.0
112	275N	3.0
113	300N	3.0
114	325N	3.0
115	350N	3.0
116	375N	3.0
117	400N	3.0
118	425N	3.0
119	450N	3.0
120	475N	3.0
121	500N	3.0
122	550N	3.0
123	600N	3.0
124	650N	3.0
125	700N	3.0
126	750N	3.0
127	800N	3.0
128	850N	3.0
129	900N	3.0
130	950N	3.0
131	1000N 16E	3.0
132	B/L 1600E	3.0
133	25S	3.0
134	50S	3.0
135	75S	3.0
136	100S	3.0
137	125S	3.0
138	150S	3.0
139	175S	3.0
140	200S	3.0
141	225S	15.0
142	250S	3.0
143	275S	3.0
144	300S	3.0
145	325S	3.0
146	350S	3.0
147	375S	3.0
148	400S	3.0
149	425S	3.0
150	450S 1600E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
151	475S 1600E	3.0
152	500S	3.0
153	550S	3.0
154	600S	3.0
155	650S	3.0
156	700S	3.0
157	750S	3.0
158	800S	3.0
159	850S	3.0
160	900S	3.0
161	950S	3.0
162	1000S 1600E	3.0
163	25N 1650E	3.0
164	50N	3.0
165	75N	3.0
166	100N	3.0
167	125N	3.0
168	150N	3.0
169	175N	3.0
170	200N	3.0
171	225N	3.0
172	250N	3.0
173	275N	3.0
174	300N	3.0
175	325N	3.0
176	350N	3.0
177	375N	3.0
178	400N	3.0
179	425N	3.0
180	450N	3.0
181	475N	3.0
182	500N 1650E	3.0
183	25N 1700E	3.0
184	50N	3.0
185	75N	3.0
186	100N	3.0
187	125N	3.0
188	150N	3.0
189	175N	3.0
190	200N 1700E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
161	B/L	L1650E	3.0
162	25S		3.0
163	50S		3.0
164	75S		3.0
165	100S		3.0
166	125S		3.0
167	150S		3.0
168	175S		3.0
169	200S		3.0
170	225S		3.0
171	250S		3.0
172	275S		3.0
173	300S		3.0
174	325S		3.0
175	350S		3.0
176	375S		3.0
177	400S		3.0
178	425S		3.0
179	450S		3.0
180	475S		3.0
181	500S	L1650E	3.0
182	25N	L1750E	3.0
183	50N		3.0
184	75N		3.0
185	100N		3.0
186	125N		3.0
187	150N		3.0
188	175N		3.0
189	200N		3.0
190	225N		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
191	225N 1700E	3.0
192	250N	3.0
193	275N	3.0
194	300N	3.0
195	325N	3.0
196	350N	3.0
197	375N	3.0
198	400N	3.0
199	425N	3.0
200	450N	3.0
201	475N	3.0
202	500N	3.0
203	550N	3.0
204	600N	3.0
205	650N	3.0
206	700N	3.0
207	750N	3.0
208	800N	3.0
209	850N	3.0
210	900N	3.0
211	950N	3.0
212	1000N 1700E	3.0
213	B/L 1700E	3.0
214	25S	3.0
215	50S	3.0
216	75S	3.0
217	100S	3.0
218	125S	3.0
219	150S	3.0
220	175S	3.0
221	200S	3.0
222	225S	3.0
223	250S	3.0
224	275S	3.0
225	300S	3.0
226	325S	3.0
227	350S	3.0
228	375S	3.0
229	400S	3.0
230	425S 1700E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
231	450S 1700E	3.0
232	475S	3.0
233	500S	3.0
234	550S	3.0
235	600S	3.0
236	650S	3.0
237	700S	3.0
238	750S	3.0
239	800S	3.0
240	850S	3.0
241	900S	3.0
242	950S	3.0
243	1000S 1700E	3.0
244	25S 18E	3.0
245	50S	3.0
246	75S	3.0
247	100S	3.0
248	125S	3.0
249	150S	3.0
250	175S	3.0
251	200S	3.0
252	225S	3.0
253	250S	3.0
254	275S	3.0
255	300S	3.0
256	325S	3.0
257	350S	3.0
258	375S	3.0
259	400S	3.0
260	425S	3.0
261	450S	3.0
262	475S	3.0
263	500S	3.0
264	550S	3.0
265	600S	3.0
266	650S	3.0
267	700S	3.0
268	750S	3.0
269	800S 18E	3.0
270	B/L 2250E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
191	250N		3.0
192	275N		3.0
193	300N		3.0
194	325N		3.0
195	350N		3.0
196	375N		3.0
197	400N		3.0
198	425N		3.0
199	450N		3.0
200	475N		3.0
201	500N	L1750E	3.0
202	B/L	L18E	3.0
203	25N		5.0
204	50N		5.0
205	75N		3.0
206	100N		3.0
207	125N		3.0
208	150N		3.0
209	175N		3.0
210	200N		3.0
211	225N		3.0
212	250N		3.0
213	275N		3.0
214	300N		3.0
215	325N		3.0
216	350N		3.0
217	375N		3.0
218	400N		3.0
219	425N		3.0
220	450N		3.0
221	475N		3.0
222	500N		3.0
223	550N		3.0
224	600N		3.0
225	650N		3.0
226	700N		3.0
227	750N		20.0
228	800N		3.0
229	850N		3.0
230	900N		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
42	B/L 1750E	3.0
43	25S	3.0
44	50S	3.0
45	75S	3.0
46	100S	3.0
47	125S	3.0
48	150S	3.0
49	175S	3.0
50	200S	3.0
51	225S	3.0
52	250S	3.0
53	275S	3.0
54	300S	3.0
55	325S	3.0
56	350S	3.0
57	375S	3.0
58	400S	3.0
59	425S	3.0
60	450S	3.0
61	475S	3.0
62	500S 1750E	290.0
63	B/L 1850E	40.0
64	25N	3.0
65	50N	3.0
66	75N	3.0
67	100N	3.0
68	125N	3.0
69	150N	3.0
70	175N	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
71	200N	3.0
72	225N	3.0
73	250N	3.0
74	275N	3.0
75	300N	3.0
76	325N	3.0
77	350N	3.0
78	375N	3.0
79	400N	3.0
80	425N	3.0
81	450N	3.0
82	475N	3.0
83	500N 1850E	3.0
84	25S 1850E	3.0
85	50S	3.0
86	75S	3.0
87	100S	3.0
88	125S	3.0
89	150S	3.0
90	175S	3.0
91	200S	3.0
92	225S	3.0
93	250S	3.0
94	275S	3.0
95	300S	3.0
96	325S	3.0
97	350S	3.0
98	375S	3.0
99	400S	3.0
100	425S	3.0
101	450S	3.0
102	475S	3.0
103	500S 1850E	3.0
104	B/L 19E	3.0
105	25N	3.0
106	50N	3.0
107	75N	3.0
108	100N	3.0
109	125N	3.0
110	150N	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
111	175N	3.0
112	200N	3.0
113	225N	3.0
114	250N	3.0
115	275N	3.0
116	300N	3.0
117	325N	3.0
118	350N	3.0
119	375N	3.0
120	400N	3.0
121	425N	3.0
122	450N	3.0
123	475N	3.0
124	500N	3.0
125	550N	3.0
126	600N	3.0
127	650N	3.0
128	700N	3.0
129	750N	3.0
130	800N	3.0
131	850N	3.0
132	900N	3.0
133	950N	3.0
134	1000N 19E	3.0
135	25S 1900	3.0
136	50S	3.0
137	75S	3.0
138	100S	3.0
139	125S	3.0
140	150S	3.0
141	175S	3.0
142	200S	3.0
143	225S	3.0
144	250S	3.0
145	275S	3.0
146	300S	3.0
147	325S	3.0
148	350S	3.0
149	375S	3.0
150	400S	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
151	425S	3.0
152	450S	3.0
153	475S	3.0
154	500S	3.0
155	550S 1900E	3.0
156	B/L 1950E	3.0
157	25N	3.0
158	50N	3.0
159	75N	3.0
160	100N	3.0
161	125N	3.0
162	150N	3.0
163	175N	3.0
164	200N	3.0
165	225N	3.0
166	250N	3.0
167	275N	3.0
168	300N	3.0
169	325N	3.0
170	350N	3.0
171	375N	3.0
172	400N	3.0
173	425N	3.0
174	450N	3.0
175	475N	3.0
176	500N 1950E	3.0
177	25S 1950E	3.0
178	50S	3.0
179	75S	3.0
180	100S	3.0
181	125S	3.0
182	150S	3.0
183	175S	3.0
184	200S	3.0
185	225S	3.0
186	250S	3.0
187	275S	3.0
188	300S	3.0
189	325S	3.0
190	350S	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
191	375S	3.0
192	400S	3.0
193	425S	3.0
194	450S	3.0
195	475S	3.0
196	500S 1950E	3.0
197	B/L 20E	3.0
198	25N	3.0
199	50N	3.0
200	75N	3.0
201	100N	3.0
202	125N	3.0
203	150N	3.0
204	175N	3.0
205	200N	3.0
206	225N	3.0
207	250N	3.0
208	275N	3.0
209	300N	3.0
210	325N	3.0
211	350N	3.0
212	375N	3.0
213	400N	3.0
214	425N	3.0
215	450N	3.0
216	475N	3.0
217	500N	3.0
218	550N	3.0
219	600N	3.0
220	650N	3.0
221	700N	3.0
222	750N	3.0
223	800N	3.0
224	850N	3.0
225	900N	3.0
226	950N	3.0
227	1000N 20E	3.0
228	B/L 2000E	3.0
229	25S	3.0
230	50S	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT
FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
231	75S	3.0
232	100S	3.0
233	125S	3.0
234	150S	3.0
235	175S	3.0
236	200S	3.0
237	250S	3.0
238	275S	3.0
239	300S	3.0
240	325S	3.0
241	350S	3.0
242	375S	3.0
243	400S 2000E	3.0
244	B/L 2050E	3.0
245	25N	3.0
246	50N	3.0
247	75N	3.0
248	100N	3.0
249	125N	3.0
250	150N	3.0
251	175N	3.0
252	200N	3.0
253	225N	3.0
254	250N	3.0
255	275N	3.0
256	300N	3.0
257	325N	3.0
258	350N	3.0
259	375N	3.0
260	400N	3.0
261	425N	3.0
262	450N	3.0
263	475N	3.0
264	500N 2050E	3.0
265	25S 2050E	3.0
266	50S	3.0
267	75S	3.0
268	100S	3.0
269	125S	3.0
270	150S	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION	AU
231	950N	3.0
232	1000N L18E	3.0
233	B/L L21E	3.0
234	25N	3.0
235	50N	3.0
236	75N	3.0
237	100N	3.0
238	125N	3.0
239	150N	3.0
240	175N	3.0
241	200N	3.0
242	225N	3.0
243	250N	3.0
244	275N	3.0
245	300N	3.0
246	325N	3.0
247	350N	3.0
248	375N	3.0
249	400N	3.0
250	425N	3.0
251	450N	3.0
252	475N	3.0
253	500N	3.0
254	550N	3.0
255	600N	3.0
256	650N	3.0
257	700N	3.0
258	750N	3.0
259	800N	3.0
260	850N	3.0
261	900N	3.0
262	950N	3.0
263	1000N L21E	3.0
264	25S L21E	3.0
265	50S	3.0
266	75S	3.0
267	100S	3.0
268	125S	3.0
269	150S	3.0
270	175S	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
271	175S	3.0
272	200S	3.0
273	225S	3.0
274	250S	3.0
275	275S	3.0
276	300S	3.0
277	325S	3.0
278	350S	3.0
279	375S	3.0
280	400S	3.0
281	425S	3.0
282	450S	3.0
283	475S	3.0
284	500S 2050E	3.0
285	B/L 2200E	3.0
286	25N 225 2200E	3.0
287	50N	3.0
288	75N	3.0
289	100N	3.0
290	125N	3.0
291	150N	3.0
292	175N	3.0
293	200N	3.0
294	225N	3.0
295	250N	3.0
296	275N	5.0
297	300N	3.0
298	325N	3.0
299	350N	3.0
300	375N	3.0
301	400N	3.0
302	425N	3.0
303	450N	3.0
304	475N	3.0
305	500N	3.0
306	550N	3.0
307	600N	3.0
308	650N	3.0
309	700N	3.0
310	750N	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
271	200S		3.0
272	225S		3.0
273	250S		3.0
274	275S		3.0
275	300S		3.0
276	325S		3.0
277	350S		3.0
278	375S		3.0
279	400S		3.0
280	425S		3.0
281	450S		3.0
282	475S		3.0
283	500S		3.0
284	550S		3.0
285	600S		3.0
286	650S	L21E	3.0
287	25N	L2150E	3.0
288	50N		3.0
289	75N		3.0
290	100N		3.0
291	125N		3.0
292	150N		3.0
293	175N		3.0
294	200N		3.0
295	225N		3.0
296	250N		3.0
297	275N		3.0
298	300N		3.0
299	325N		3.0
300	350N		3.0
301	375N		3.0
302	400N		3.0
303	425N		3.0
304	450N		3.0
305	475N		3.0
306	500N	L2150E	3.0
307	25S	L2150E	3.0
308	50S		30.0
309	75S		3.0
310	100S		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
311	125S		3.0
312	150S		3.0
313	175S		3.0
314	200S		3.0
315	225S		3.0
316	250S		3.0
317	275S		3.0
318	300S		3.0
319	325S		3.0
320	350S		3.0
321	375S		3.0
322	400S		3.0
323	425S		3.0
324	450S		3.0
325	475S		3.0
326	500S	L2150E	3.0
327	25S	L22E	3.0
328	50S		3.0
329	75S		3.0
330	100S		3.0
331	125S		3.0
332	150S		3.0
333	175S		3.0
334	200S		3.0
335	225S		3.0
336	250S		3.0
337	275S		3.0
338	300S		3.0
339	325S		3.0
340	350S		3.0
341	375S		3.0
342	400S	L22E	3.0
343	B/L	L23E	3.0
344	25N		3.0
345	50N		10.0
346	75N		3.0
347	100N		3.0
348	125N		3.0
349	150N		3.0
350	175N		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1825

KRAL NO.	IDENTIFICATION	AU
311	800N 2200E	3.0
312	850N	3.0
313	900N	40.0
314	950N	3.0
315	1000N 2250	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
351	200N		3.0
352	225N		3.0
353	250N		3.0
354	275N		3.0
355	300N		3.0
356	325N		3.0
357	350N		3.0
358	375N		3.0
359	400N		3.0
360	425N		3.0
361	450N		3.0
362	475N		3.0
363	500N		3.0
364	550N		3.0
365	600N		3.0
366	650N		3.0
367	700N		3.0
368	750N		3.0
369	800N		3.0
370	850N		3.0
371	900N		3.0
372	950N		3.0
373	1000N	L23E	3.0
374	25N	L2350E	3.0
375	50N		3.0
376	75N		3.0
377	100N		3.0
378	125N		3.0
379	150N		3.0
380	175N		3.0
381	200N		3.0
382	225N		3.0
383	250N		3.0
384	275N		3.0
385	300N		3.0
386	325N		3.0
387	350N		3.0
388	375N		3.0
389	400N		3.0
390	425N		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
271	25N 2250E	3.0
272	50N	3.0
273	75N	3.0
274	100N	3.0
275	125N	3.0
276	150N	3.0
277	175N	3.0
278	200N	3.0
279	225N	3.0
280	250N	3.0
281	275N	3.0
282	300N	3.0
283	325N	3.0
284	350N	3.0
285	375N	3.0
286	400N	3.0
287	425N	3.0
288	450N	3.0
289	475N	3.0
290	500N 2250E	3.0
291	25S 2250E	3.0
292	50S	3.0
293	75S	3.0
294	100S	3.0
295	125S	3.0
296	175S	3.0
297	200S	3.0
298	225S	3.0
299	250S	3.0
300	275S	3.0
301	300S	3.0
302	325S	3.0
303	350S	3.0
304	375S	3.0
305	400S 2250E	3.0
306	25S 2300E	3.0
307	50S	3.0
308	75S	3.0
309	100S	3.0
310	125S 2300E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1843

KRAL NO.	IDENTIFICATION		AU
391	450N		3.0
392	475N		3.0
393	500N	L2350E	3.0
394	B/L	L2350E	3.0
395	25S		3.0
396	50S		3.0
397	75S		3.0
398	100S		3.0
399	125S		3.0
400	150S		3.0
401	175S		3.0
402	200S		3.0
403	225S		3.0
404	250S		3.0
405	275S		3.0
406	325S		3.0
407	350S		3.0
408	375S		3.0
409	400S		3.0
410	425S	L2350E	3.0
411	B/L	L25E	3.0
412	25N		3.0
413	50N		3.0
414	75N		3.0
415	100N		3.0
416	125N		3.0
417	150N		3.0
418	175N		3.0
419	200N		3.0
420	225N		3.0
421	250N		3.0
422	275N		3.0
423	300N		3.0
424	350N		3.0
425	375N		3.0
426	400N		3.0
427	425N		3.0
428	450N		3.0
429	475N		3.0
430	500N		3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
391	[illegible]	3.0
392	225N	3.0
393	250N	3.0
394	275S	3.0
395	300N	3.0
396	350N	3.0
397	375N	3.0
398	400N	3.0
399	425N	3.0
400	450N	3.0
401	475N	3.0
402	500N 2450E	3.0
403	25S 2450E	3.0
404	50S	3.0
405	[illegible]	3.0
406	[illegible]	3.0
407	[illegible]	3.0
408	150S	3.0
409	175S	3.0
410	200S	3.0
411	225S	3.0
412	250S	3.0
413	275S	3.0
414	300S	3.0
415	325S	3.0
416	350S	3.0
417	375S	3.0
418	400S 2450E	3.0
419	25S 25S	3.0
420	FOS	3.0
421	[illegible]	3.0
422	[illegible]	3.0
423	150E	3.0
424	175S	3.0
425	200S	3.0
426	225S	3.0
427	250S	3.0
428	275S	3.0
429	300E	3.0
430	325S 25E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
351	1000N 2400E	3.0
352	B/L 24E	3.0
353	25S	3.0
354	50S	3.0
355	75S	3.0
356	100S	3.0
357	125S	3.0
358	150S	3.0
359	175S	3.0
360	200S	3.0
361	225S	3.0
362	250S	3.0
363	275S	3.0
364	300S	3.0
365	325S	3.0
366	350S	3.0
367	375S	3.0
368	400S	3.0
369	425S	3.0
370	450S	3.0
371	475S	3.0
372	500S	3.0
373	550S	3.0
374	600S	3.0
375	650S	3.0
376	700S	3.0
377	750S	3.0
378	800S	3.0
379	850S	3.0
380	900S	3.0
381	950S	3.0
382	1000S 24E	3.0
383	B/L 2450E	3.0
384	25N	3.0
385	50N	3.0
386	75N	3.0
387	100N	3.0
388	125N	3.0
389	150N	3.0
390	175N 2450E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
311	150S 2300E	3.0
312	175S	3.0
313	200S	3.0
314	225S	3.0
315	250S	3.0
316	275S	3.0
317	300S	3.0
318	325S	3.0
319	350S	3.0
320	375S	3.0
321	400S 2300E	3.0
322	25N 2400E	3.0
323	50N	3.0
324	75N	3.0
325	100N	3.0
326	125N	3.0
327	150N	3.0
328	175N	3.0
329	200N	3.0
330	225N	3.0
331	250N	3.0
332	275N	3.0
333	300N	3.0
334	325N	3.0
335	350N	3.0
336	375N	3.0
337	400N	3.0
338	425N	3.0
339	450N	3.0
340	475N	3.0
341	500N	3.0
342	525N	3.0
343	600N	3.0
344	650N	85.0
345	700N	3.0
346	750N	3.0
347	800N	3.0
348	850N	3.0
349	900N	3.0
350	950N 2400E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

RAL NO.	IDENTIFICATION	AU
431	350S 25E	3.0
432	375S	3.0
433	400S	3.0
434	425S	3.0
435	550S	3.0
436	600S	3.0
437	650S	3.0
438	750S	3.0
439	800S	3.0
440	850S	3.0
441	900S	3.0
442	950S	3.0
443	1000S 25E	3.0
444	B/L 2600E	3.0
445	50S	3.0
446	100S	3.0
447	150S	3.0
448	200S	3.0
449	250S	3.0
450	300S	3.0
451	350S	3.0
452	450S	3.0
453	500S	3.0
454	550S	3.0
455	600S	3.0
456	650S	3.0
457	700S	3.0
458	750S	3.0
459	800S	3.0
460	850S	3.0
461	B/L 2650	3.0
462	B/L 27E	3.0
463	50N	3.0
464	100N	3.0
465	150N	3.0
466	200N	3.0
467	250N	3.0
468	300N	3.0
469	350N	3.0
470	400N 27E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
471	550N 27E	3.0
472	600N	3.0
473	650N	3.0
474	700N	3.0
475	750N	3.0
476	800N	3.0
477	850N	3.0
478	900N	3.0
479	950N	3.0
480	1000N 27E	3.0
481	B/L 2750E	3.0
482	B/L 2850E	3.0
483	150N 29E	3.0
484	300N	3.0
485	350N	3.0
486	400N	3.0
487	450N	3.0
488	500N	3.0
489	550N	3.0
490	600N	3.0
491	650N	3.0
492	700N	3.0
493	750N	3.0
494	800N	3.0
495	850N	3.0
496	900N	3.0
497	950N	3.0
498	1000N 29E	3.0
499	B/L 2950E	3.0
500	50N 30E	3.0
501	100N	3.0
502	150N	3.0
503	200N	3.0
504	250N	3.0
505	300N	3.0
506	350N	3.0
507	400N	3.0
508	450N	3.0
509	500N	3.0
510	550N 30E	3.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

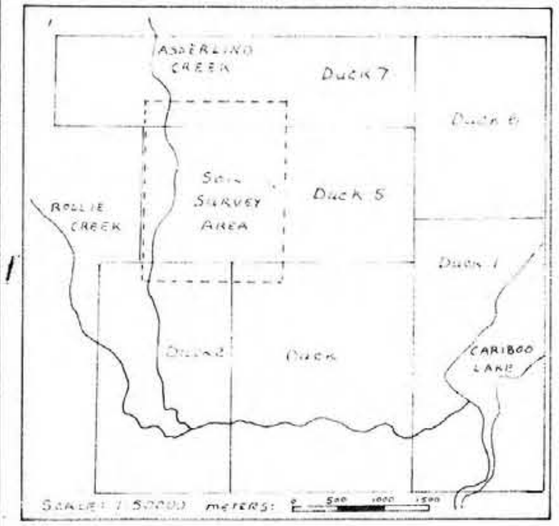
FILE NO. G 1867

KRAL NO.	IDENTIFICATION	AU
511	600N 30E	3.0
512	650N	3.0
513	700N	3.0
514	750N	3.0
515	800N	3.0
516	850N	3.0
517	900N	3.0
518	950N	3.0
519	1000N 30E	3.0
520	B/L 30E	3.0
521	50S	3.0
522	100S	3.0
523	150S	3.0
524	200S	3.0
525	250S	3.0
526	300S	3.0
527	350S	3.0
528	400S	3.0
529	450S	3.0
530	550S 30E	3.0

C BASE LINE

D BASE LINE

INDEX MAP



LEGEND

- • NORMAL SOIL SAMPLE
- ⊙ HYDROMORPHIC SOIL
- ⚠ ORGANIC SOIL
- ⚒ SWAMPY AREA
- • 25 Cu CONCENTRATION (ppm)
- NS NO SAMPLE (ACTIVE LOGGING)

SCALE 1:6000

METERS: 0 100 200 300 400

NOTE: CONTROL BY CHAIN AND COMPASS

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,254

DWN.	CHECK	APPR	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE No. DWG. No.

SCALE 1: 6000 18 MAR. 1988

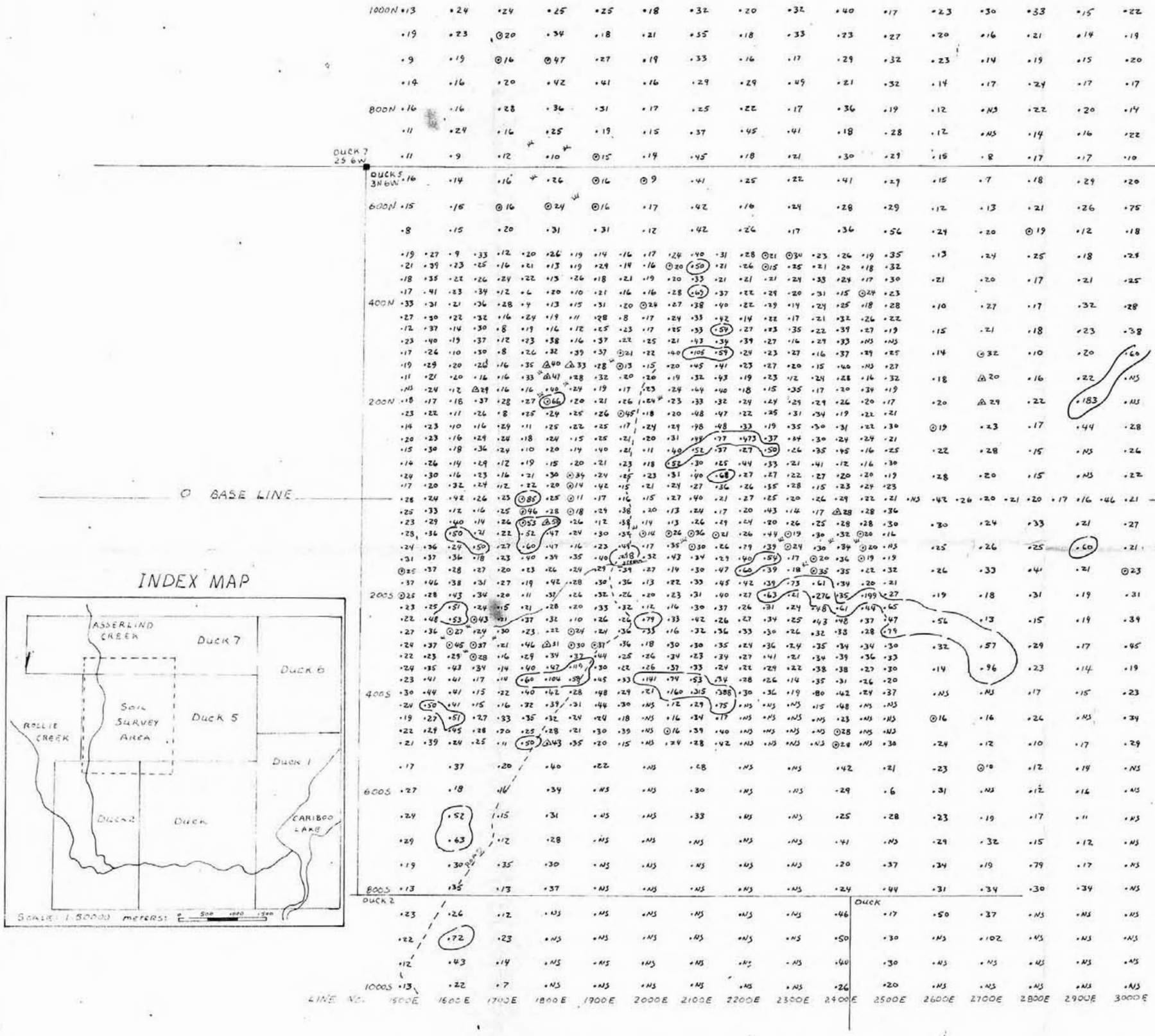
GIBRALTAR MINES LIMITED

GEOCHEMICL SOIL SURVEY

DUCK CLAIM GROUP

COPPER CONCENTRATION

FILE No. FIGURE 2



INDEX MAP

LEGEND

- • NORMAL SOIL SAMPLE
- ⊙ HYDROMORPHIC SOIL
- ⚠ ORGANIC SOIL
- ⚒ SWAMPY AREA
- • 21 Pb CONCENTRATION (ppm)
- NS NO SAMPLE (ACTIVE LOGGING)

SCALE 1:6000

METERS: 0 100 200 300 400

NOTE: CONTROL BY CHAIN AND COMPASS

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,254

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE No. DWG. No.

SCALE 1: 6000 18 MAR. 1988

GIBRALTAR MINES LIMITED

GEOCHEMICL SOIL SURVEY

DUCK CLAIM GROUP

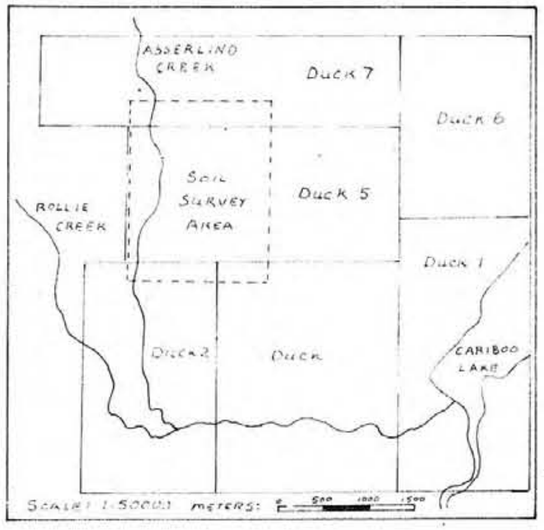
LEAD CONCENTRATION

FILE No. FIGURE 3

O BASE LINE

O BASE LINE

INDEX MAP



LEGEND

- • NORMAL SOIL SAMPLE
- ⊙ HYDROMORPHIC SOIL
- ⚠ ORGANIC SOIL
- ⋇ SWAMPY AREA
- •107 Zn CONCENTRATION (ppm)
- NS NO SAMPLE (ACTIVE LOGGING)

SCALE 1:6000

METERS: 0 100 200 300 400

NOTE: CONTROL BY CHAIN AND COMPASS

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,254

DWN. CHECK APPR.	ISSUED FOR	DATE REV.	DESCRIPTION	REFERENCE No.	DWG. No.
				SCALE 1:6000	18 MAR. 1988

GIBRALTAR MINES LIMITED
GEOCHEMICL SOIL SURVEY
DUCK CLAIM GROUP

ZINC CONCENTRATION
FILE No. FIGURE 4

NO. 210 (3M)

C BASE LINE

D BASE LINE

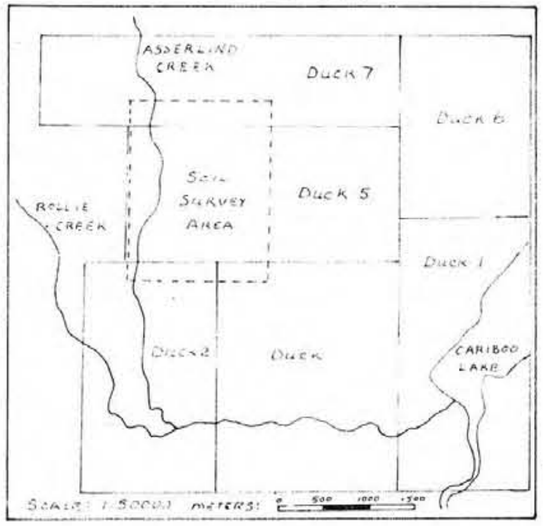
DUCK 7

DUCK 5

DUCK 2

DUCK

INDEX MAP



LEGEND

- • NORMAL SOIL SAMPLE
- ⊙ HYDROMORPHIC SOIL
- ⊿ ORGANIC SOIL
- SW SWAMPY AREA
- 1·2 Ag CONCENTRATION (ppm)
- NS NO SAMPLE (ACTIVE LOGGING)

SCALE 1:6000

METERS: 0 100 200 300 400

NOTE: CONTROL BY CHAIN AND COMPASS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,254

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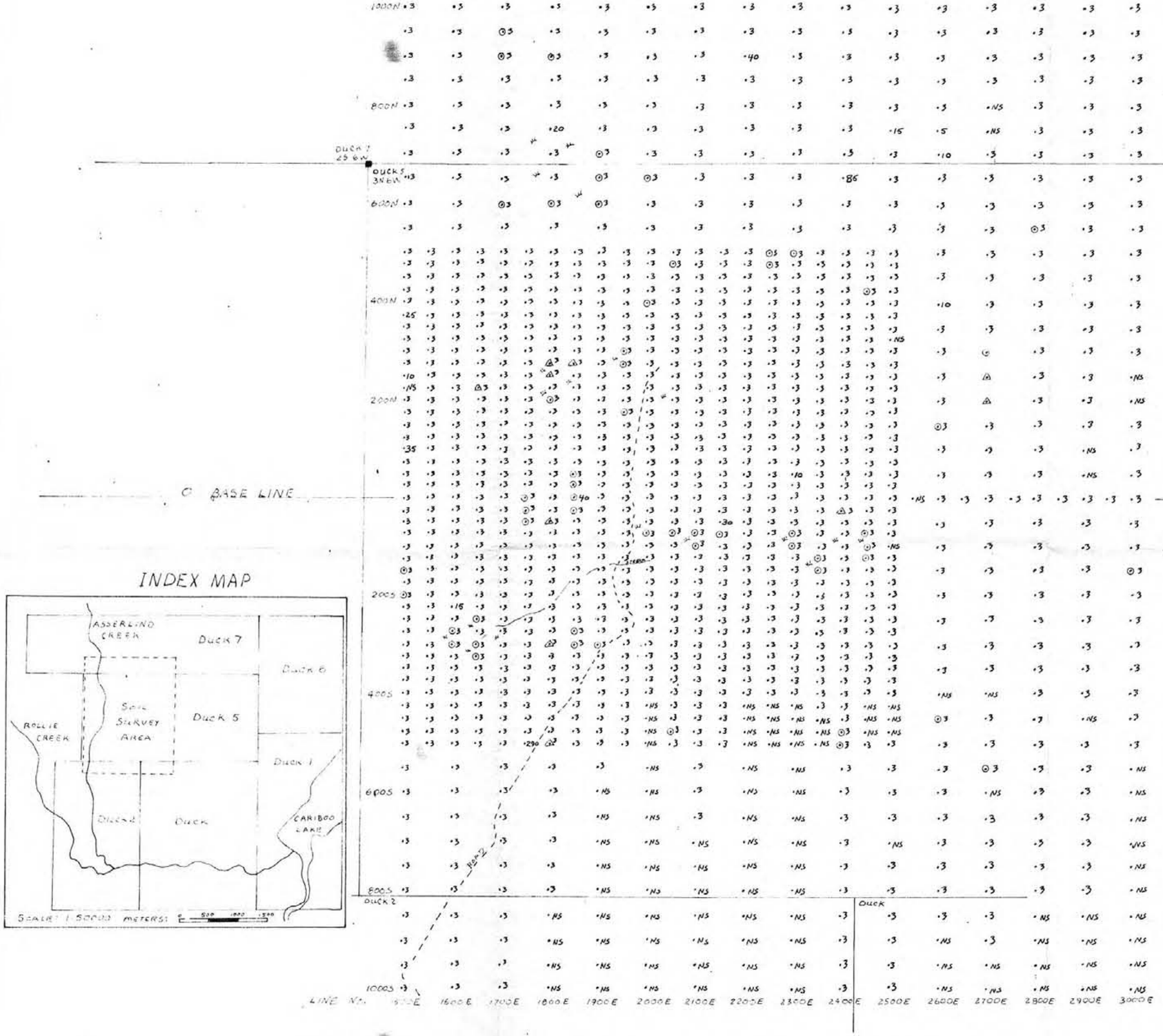

INDEX MAP

LEGEND

- • NORMAL SOIL SAMPLE
- ⊙ HYDROMORPHIC SOIL
- ⚠ ORGANIC SOIL
- ⚒ SWAMPY AREA
- •25 Au CONCENTRATION (ppb)
- •3 INDICATES < 5 ppb Au
- NS No SAMPLE (ACTIVE LOGGING)

SCALE: 1:6000

METERS: 0 100 200 300 400

NOTE: CONTROL BY CHAIN AND COMPASS

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,254

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE No. DWG. No.

SCALE 1: 6000 18 MAR. 1988

GIBRALTAR MINES LIMITED

GEOCHEMICL SOIL SURVEY

DUCK CLAIM GROUP

GOLD CONCENTRATION

FILE No. FIGURE 6