'79-#333-#

DIAMOND DRILL REPORT
ON THE
OLIVE AND YELLOW
CLAIM GROUPS

CARIBOO MINING DIVISION

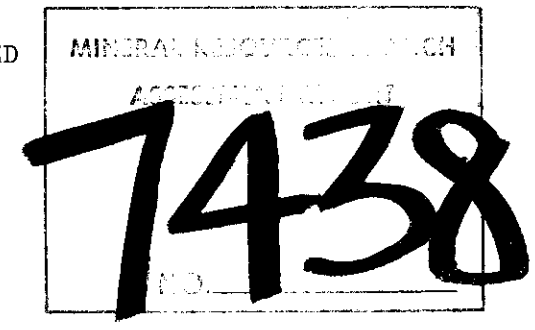
93 B 8 9W

(LATITUDE 52° 31', LONGITUDE 122° 17')

OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

McLEESE LAKE, B.C.



AUTHOR: G.D. Bysouth

SUBMITTED: 31 August 1979

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

The Olive and Yellow Mineral Claim Groups are part of the Gibraltar Mines Limited permanent property. Access is via a paved highway that leaves Highway 97 near McLeese Lake and extends north-easterly about 20 km. to the minesite. General location is shown in Figure 1.

The drilling project took place along the eastern boundary of the Granite Lake pit over an area which had been originally drilled by Canex in 1969. The 1979 drill hole locations are shown in Figure 2.

Drilling was carried out by J.T. Thomas Drilling Ltd. during the period May 12 to 25, 1979. Seven vertical N.Q. wireline diamond drill holes were completed for a total of 916.46 meters. Core is stored at Gibraltar Mines plant site.

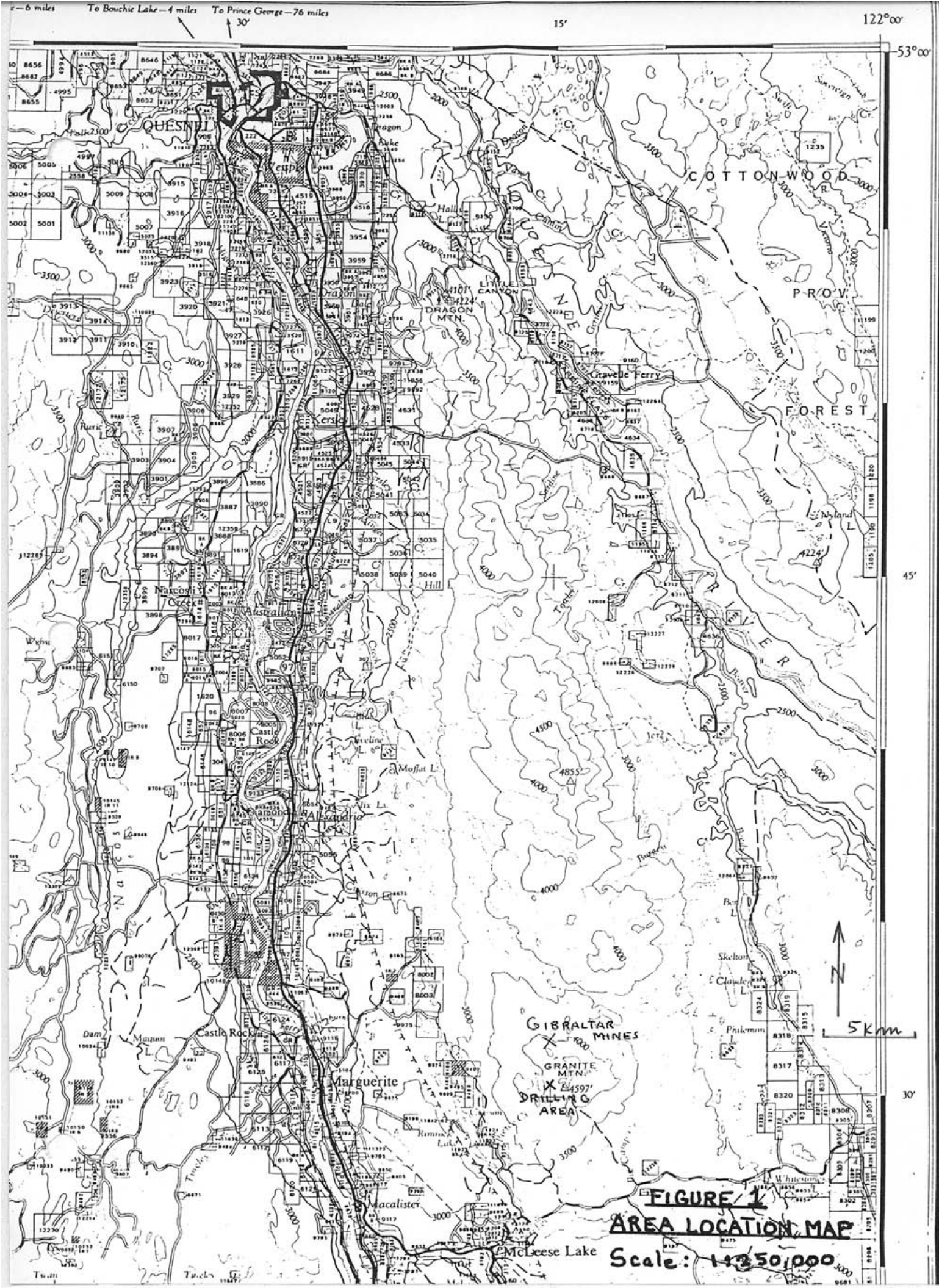


FIGURE 1

AREA LOCATION MAP

Scale: 1:250,000

Both the Olive and Yellow Mineral Claim Groups have mineral leases grouped with mineral claims. Particulars of each claim are listed below. Gibraltar Mines has full administrative rights over all the Cuisson Lake Mines Ltd. claims. Mineral claim locations are shown in Figure 3 (pocket).

YELLOW GROUP

Mineral	Claim or Lease	Rec. No.	Ann. Date	Ownership
Carol	4 Fr.	46104	12 July	Cuisson Lake Mines Ltd.
Carol	6 Fr.	46106	12 July	Cuisson Lake Mines Ltd.
Carol	7 Fr.	46107	12 July	Cuisson Lake Mines Ltd.
FFE	13	35766	16 May	Cuisson Lake Mines Ltd.
FFE	14	35767	16 May	Cuisson Lake Mines Ltd.
FFE	15	35768	16 May	Cuisson Lake Mines Ltd.
FFE	16	35769	16 May	Cuisson Lake Mines Ltd.
FFE	17	35770	16 May	Cuisson Lake Mines Ltd.
FFE	19	35772	16 May	Cuisson Lake Mines Ltd.
FI	2 Fr.	71601	23 May	Cuisson Lake Mines Ltd.
M59	(L4143)		October	Cuisson Lake Mines Ltd.
HD	5	37784	5 October	Cuisson Lake Mines Ltd.
HD	6	37785	5 October	Cuisson Lake Mines Ltd.
HD	7	37786	5 October	Cuisson Lake Mines Ltd.
HD	8	37787	5 October	Cuisson Lake Mines Ltd.
M58	(L4139)		October	Cuisson Lake Mines Ltd.
M61	(L4142)		October	Gibraltar Mines Limited
HD	20	37797	5 October	Cuisson Lake Mines Ltd.
Sap	2 Fr.	64568	3 September	Cuisson Lake Mines Ltd.
Sap	3 Fr.	64569	3 September	Cuisson Lake Mines Ltd.
Sap	5 Fr.	66783	21 June	Cuisson Lake Mines Ltd.
VE	21	50693	28 April	Cuisson Lake Mines Ltd.
VE	22	50694	28 April	Cuisson Lake Mines Ltd.
Zip	1 Fr.	138	12 February	Gibraltar Mines Limited

OLIVE GROUP

Mineral Claim or Lease		Rec. No.	Ann. Date	Ownership
M42	(L3604)		July	Gibraltar Mines Limited
M51	(L3713)		July	Gibraltar Mines Limited
M50	(L3712)		July	Gibraltar Mines Limited
M60	(L4146)		October	Cuisson Lake Mines Ltd.
EV	1	71594	23 May	Gibraltar Mines Limited
EV	2	71593	23 May	Gibraltar Mines Limited
EV	3	71588	23 May	Gibraltar Mines Limited
EV	4	71614	23 May	Gibraltar Mines Limited
Bud	1	71611	23 May	Gibraltar Mines Limited
Bud	2	71591	23 May	Gibraltar Mines Limited
Bud	3	71599	23 May	Gibraltar Mines Limited
Bud	4	71608	23 May	Gibraltar Mines Limited
FLO	1 Fr.	71603	23 May	Gibraltar Mines Limited
Gib	15 Fr.	64566	3 September	Gibraltar Mines Limited
Gib	20 Fr.	66782	21 June	Gibraltar Mines Limited
FI	4 Fr.	71602	23 May	Cuisson Lake Mines Ltd.
GJ	20 Fr.	71323	8 February	Cuisson Lake Mines Ltd.
Has	2	48026	16 October	Cuisson Lake Mines Ltd.
Has	12	48031	16 October	Cuisson Lake Mines Ltd.
Has	13	48032	16 October	Cuisson Lake Mines Ltd.
Has	14	48033	16 October	Cuisson Lake Mines Ltd.
Has	15	48034	16 October	Cuisson Lake Mines Ltd.
Has	16	48035	16 October	Cuisson Lake Mines Ltd.
Has	17	48036	16 October	Cuisson Lake Mines Ltd.
Has	18	48037	16 October	Cuisson Lake Mines Ltd.
Has	19	48038	16 October	Cuisson Lake Mines Ltd.
Has	20	48039	16 October	Cuisson Lake Mines Ltd.

3.1 OBJECTIVE

The purpose of this drill program is to explore several possible ore zones lying east of the Granite Lake orebody. These zones were indicated in 1969 by diamond drill holes spaced over 122 meters apart but were never thoroughly evaluated by closer interval drilling.

3.2 SCHEDULE

Drill Hole	Date
79 - 1	12 - 15 May
79 - 2	15 - 16 May
79 - 5	16 - 17 May
79 - 6	18 - 19 May
79 - 7	19 - 20 May
79 - 3	21 - 23 May
79 - 4	23 - 25 May

Since the anniversary date for ten of the claims is May 23, a further breakdown of 79 - 4 is required for assessment work calculations:

Drill Hole	Length	Date
79 - 4	47.87 m	23 May
	133.53m	24 May

3.3 DRILL RESULTS

The actual drill results are provided in the drill logs of Appendices III(a) to III (g); the following is a brief outline of the most pertinent results. Drill hole locations are shown in Figure 2 (pocket).

All holes indicate low sulfide concentrations of usually less than 2 %. Pyrite and Chalcopyrite were the only sulfide minerals except for very minor molybdenite. In general, chalcopyrite concentrations show an inverse relationship to pyrite; that is, as pyrite concentrations decrease, higher copper values are usually achieved. Oxidation and supergene effects appear minimal. All copper values reported here and in the logs are for total copper and all molybdenum values are for MoS_2. Drilling conditions were poor - most core recoveries range between 70 $\frac{2}{}$ and 80 - percent. Host rock in all cases was a medium grained Mine Phase Quartz Diorite consisting essentially of 50% saussaritized plagioclase, 25 - 30% quartz and 20 - 25% chloritized mafics.

Pertinent information on individual drill holes is given below. Only copper grades above .25% are considered:

Hole No.	Cased to	Terminated at	Cu Grade	Interval	Width
79 - 1	6.71m.	183.54m.	.34%	50.27- 91.40m.	41.13
79 - 2	3.65m.	90.55m.	waste	-	0
79 - 3	24.09m.	122.87m.	.27%	24.09- 86.83m.	62.74
79 - 4	18.29m.	181.40m.	.33%	53.33-121.88m.	68.55
79 - 5	8.84m.	91.46m.	.27%	59.41- 77.69m.	18.28
79 - 6	6.10m.	123.17m.	waste	-	
79 - 7	6.71m.	123.48m.	.26%	15.24- 56.53m.	41.30

3.4 INTERPRETATION

Drill holes 79-1, 79-3, 79-4 and 79-11 have intersected ore grade mineralization which appears to represent a single large ore zone. These results and those of the 1969 drilling, indicate a chalcopyrite-mineralized body having a verified strike-length of over 300 meters and a true width of at least 41 meters. Strike is about 80° azimuth and dip about 18° southerly. In contrast, the main ore systems of the Granite Lake orebody to the west strike 80 - 85° azimuth and dip 30° southerly which suggests this new zone is in fact a separate body.

Drill holes 79-5, 79-2 and 79-6 have intersected only minor copper mineralization, and therefore, rule out the possibility of economic mineralization to the north and northeast.

4.1 STATEMENT OF EXPENDITURES

1979 DIAMOND DRILLING ON

THE OLIVE & YELLOW CLAIM GROUPS

(a)	Site Preparation:		
	9 hours @$53.00/hr - 12 April 1979		$ 477.00
(b)	Contractor:		
	May 11 - 25, 1979		
	Drilling 79-1 - $8,409.60		
	Drilling 2 - 4,098.60		
	Drilling 3 - 1,090.20		
	Drilling 3A - 5,561.40		
	Drilling 4 - 8,306.00		
	Drilling 5 - 4,140.00		
	Drilling 6 - 5,575.20		
	Drilling 7 - 5,589.00	$42,770.00	
	Materials:	5,453.25	48,223.25
(c)	Vehicle Costs:		
	April 12 - June 8, 1979		
	4 X 4 Bronco rental		
	26 days @$19.33/day		502.58
(d)	Assay Costs: (Cu + MoS_2)		
	177 Assays @$4.00/assay		708.00
(e)	Miscellaneous Costs:		
	190 Core Boxes @$4.60/box		874.00
(f)	Personnel Costs:		
	Core Logging and Supervison		
	G. D. Bysouth - 15 May - 8 hours		
	22 May - 8 hours		
	24/25 May -16 hours		
	29/30 May -16 hours		
	05 June- 8 hours		
	56 hours @$14.42		807.52
	Report Writing and Drafting		
	G. D. Bysouth - 24 hours @$14.42		346.08
	E. M. Oliver - 8 hours @$ 9.05		72.40
	Field Work, Organizing, Core Splitting		
	E. M. Oliver - 12 April - 8 hours		
	12/24 May-104 hours		
	28/01 Jun- 40 hours		
	04/08 Jun- 40 hours		
	192 hours @$ 9.05		1,737.60
	Core Splitting		
	P. Baines - 22 - 25 May - 32 hours		
	28 - 01 June - 40 hours		
	04 - 08 June - 40 hours		
	112 hours @$ 7.14		799.68
	J. Brodie - 22 - 25 May - 32 hours		
	28 - 01 June - 40 hours		
	04 - 08 June - 40 hours		
	112 hours @$ 7.14		799.68
		TOTAL	$55,347.79

4.2 CALCULATIONS

A total of 916.46 meters of drilling was achieved at a total cost of $55,348; this gives a cost rate of $60.39 per meter of drilling. The following is a breakdown of costs for each drill hole:

Drill Hole	Length	Cost	Group
79 - 1	183.54m.	$ 11,083.98	Olive
79 - 2	90.55m.	5,468.31	Olive
79 - 3	122.87m.	7,420.12	Olive
79 - 4	181.40m.	10,954.75	Olive
79 - 5	91.46m.	5,523.27	Yellow
79 - 6	123.17m.	7,438.24	Yellow
79 - 7	123.48m.	7,456.96	Yellow

The Olive Group is therefore allocated $34,927 and the Yellow Group $20,418. A further breakdown is required for drill hole 79 - 4 - on May 23, 47.87m. were drilled for a cost of $2,890.87 and May 24 133.53m. were drilled for a cost of $8,063.88.

7438

5.0 CONCLUSIONS

Drill holes 79-1, 79-3, 79-4 and 79-11 indicate the presence of an ore grade copper zone east of, and adjacent to, the Granite Lake Pit. More drilling is required to fully substantiate the size, shape, attitude and grade of the body.

SUBMITTED BY:

GIBRALTAR MINES LIMITED

Garry D. Bysouth
Senior Geologist

GDB/tgk

APPENDIX I

STATEMENT OF QUALIFICATIONS

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

1. I am a geologist.

2. I am a graduate of the University of B.C. 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 B.C.

4. I personally supervised this drill program, logged the core and assessed the results.

Garry D. Bysouth

APPENDIX II

LIST OF ABBREVIATIONS

bo	bornite
carb	carbonate
chl	chlorite
cp.	chalcopyrite
cren.	crenulated
dissem.	disseminated
ep	epidote
foln.	foliation
grn.	grained
lim.	limonite
mal.	malachite
mag	magnetite
Mo.	molybdenite
py	pyrite
QSP	quartz-sericite-pyrite
qtz.	quartz
rx.	rock
ser.	sericite
str.	strong
stkwk.	stockwork
wk	weak

APPENDIX III (a)

GIBRALTAR MINES LIMITED

HOLE No. 679-1
PAGE 1 of 11

LOCATION Granite Lake LENGTH 183.54m
DATE COLLARED May 12, 1979 DIP -90°
DATE COMPLETED May 15, 1979 CORE SIZE N.Q.W.

LATITUDE 13940.55S
DEPARTURE 16629.80
ELEVATION 1200.57

LOG SCALE 1:120
LOGGED BY G.D.B
DATE May 15, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
6.71m MINE PHASE QUARTZ DIORITE 6.71m — EOH	ND	9.14	70° 10° 30° 40°	.4cm .5cm .1cm .3cm	chl-py vuggy qtz (cp) py×2 py	Broken Core Sl. bleached	70			
50% sauss plag. 30% qtz. 20% chl. mafic med. grn	ND	13.71	30°	.3cm	py-chl	Broken Core Sl.. bleached	70	24626	.16	.004
	ND	18.28	10° 70° 30°×2 70° 30°×2 30°×2	.5cm .4cm .5cm×2 .5cm .3cm×2 .3cm×2	vuggy qtz+lim py lim-py×2 qtz-py qtz-py×2 lim.×2	Broken Core Sl. bleached	80	24627	.25	.002

weak limonite To 26m.

GIBRALTAR MINES LIMITED

HOLE No. 679-1
PAGE 2 of 11

ROCK TYPES & ALTERATION	Foliation < to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	65 weak	22.85	65°×4 60°×6 60°×2 40°×2 70°×3	.4cm×4 .3cm×6 .4cm×2 .5cm×2 .1cm×3	vuggy-py-lim×4 vuggy-py-lim×6 vuggy-py-lim×2 py×2 py×3	Broken Core Sl. bleached	80	24628	.34	.004
	65 weak	27.42	30° 30° 40°×3 60° 60°×3 30°×5 30°×5 60°×2 30°×3	.1cm .3cm .1cm×3 .3cm .1cm×3 .1cm×5 .3cm×5 .3cm×2 .1cm×3	azur-mal py py×3 py+mag. py×6 py×5 py×5 py×2 py×3	limonite Broken Core Sl. bleached wk. azur. and mal. along 30-40° frac. blebs of mal. and azur	70	24629	.26	.002
	50 weak	31.99	80°×2 50°×4 25° 30° 10°	.5cm×2 .3cm×4 .5cm .3cm .5cm	py py×4 py py py	Broken Core Sl. bleached	70 .8m lost core	24630	.17	.004
	50 weak	36.56		.5cm	qtz-chl-py	Broken Gougy Core Numerous qtz-chl-py veinlets but Sl. obscured by broken core	50 3.4m lost core	24631	.22	.004

GIBRALTAR MINES LIMITED

HOLE No. G79-1
PAGE 3 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	50 weak			25 cm 15 cm	gg. qtz-py	Broken-Gougy-Core	60	24632	.13	.006
		41.13	25° x 2 20°	.5 cm .5 cm	qtz py x 2 qtz (cp)					
	50 weak	45.70	80° 30° 30° x 3 25° 40° x 2 80° 30° 20°	.3 cm .3 cm .1 cm .3 cm x 3 .1 cm x 2 .5 cm .3 cm .5 cm	qtz-py qtz-py qtz-py) x 3 qtz-py qtz-py qtz-py qtz-py		85	24633	.07	.006
	70? v. weak	50.27	30° 30° 80° 30° 50° 70° 70° 30° x 2	.4 cm .3 cm .4 cm .3 cm .3 cm .4 cm .1 cm .3 cm x 2	qtz-py qtz-py qtz-py qtz-py qtz-py-chl qtz-py qtz-py-hem hem x 2		80	24634	.06	.002
	70? v. weak	54.84	50° 80°	.1 cm .5 cm	qtz-hem-py py grey-green gouge zone	Broken Gougy Core (50.27m – 59.41m) + hem. on frac. + gouge planes highly broken core (1" frag (54.0m – 55.1m)	70	24635	.17	.006

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BOB

HOLE No. 679-1
PAGE 4 of 11

ROCK TYPES & ALTERATION	Foliation < to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
	60 weak		5°	1cm	qtz-py-(cp)			85	24636	.31	.008
			30°	.3cm	qtz-chl-(cp)						
			90	.5cm	qtz-chl-(cp)						
			30°	.5cm	qtz-chl-(py)						
			80°	.3cm	gg + hem						
			90°	.3cm	gg + hem						
			90° x 2	.5cm x 2	gg + hem	Chl zone with incr. cp					
		59.41	30° x 3	.5cm x 2							
	60 mod		20° x 2	.4cm x 2	qtz-cp	and mag but low py		90	24637	.45	.022
			80° x 2	.5cm x 2	qtz-chl-cp x 2						
			60°	.5cm	qtz-chl-cp						
			30° x 2	.1cm x 2							
			25°	.3cm							
			30°	.1cm							
			80°	.5cm	qtz-chl-cp + mag.						
			30° x 3	.3cm x 3	qtz-cp						
			80°	5cm	qtz-chl-cp						
			20°	.3cm	qtz-cp (py)						
				30cm	qtz-cp	12" mag-chl-zone					
			90°	.5cm	qtz-cp						
		63.98	30° x 2	.3cm x 2	qtz-cp x 2						
	70 Mod to Strong		90°	.3cm	qtz-chl-ser-cp			90	24638	.34	.022
			90°	.5cm	qtz-chl-cp						
			80°	.3cm	qtz-cp						
			80°	3cm	qtz-chl-cp-mag						
			10°	.1cm	hem						
			80° x 2	.1cm x 2	hem x 2						
			30° x 4	.1cm x 4	hem x 4						
			30°	.1cm	qtz-chl-cp						
		68.55	80° x 4	hlc x 4	qtz-cp						
	80 Mod		10° x 2	.4cm x 2	chl. x 2	Broken Core 70.7m - 72.6m gg		90	24639	.41	.024
			20° x 2	.3cm x 2	qtz-cp x 2						
					30cm gg						
		73.12	30° x 2	.5cm x 2	qtz-cp x 2						

GIBRALTAR MINES LIMITED

HOLE No. 679-1
PAGE 5 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	70 weak	77.69	80° x 3 80° 50° 50° x 3 80° 50° x 4 30° x 2 50° x 2	.1cm x 3 .3cm 1cm .3cm x 3 .5cm 30cm .4cm .1cm x 2 .3cm x 2	qtz-cp qtz-mag qtz-cp-mag-py qtz-cp qtz-cp-py gg + hem hem + gg hem qtz-cp-hem		90	24640	.41	.024
	80 Weak	82.26	40° 70° 40° 60° 40° 50° 40° x 3 60° x 2 30° 80°	4cm hle .3cm 3cm .4cm .1cm .3cm x 3 .3cm x 2 .5cm .3cm	qtz-cp qtz-cp qtz-chl-(py)(cp) qtz-py(cp) qtz-cp qtz-cp x 3 qtz-py(cp) x 2 qtz-chl-cp. qtz-cp		95	24641	.42	.012
	80 Weak	86.83	30° 80° x 3 70° 50° x 2 50° 70° 80° x 6 80° 50°	.1cm 5cm .4 x 3 .3 .4 x 3 .5cm 1cm .3cm hle x 6 8cm .6cm	qtz-cp gg qtz-mag qtz-cp qtz-mag qtz-cp qtz-mag-py qtz-cp x 2 qtz-mag-cp gg qtz-cp		95	24642	.40	.020
	80 Weak	91.40	80° 40° 40° 50° 30° 60° 60 30 40 90	3cm .5cm .3cm 20 cm .1cm 15cm 8cm 5cm .1cm .3cm .6cm	qtz-mag qtz-mag qtz-mag-cp qtz(cp) +8cm ser-(cp-py) envelop. qtz-cp qtz-(mo-cp) qtz-(Mo) gg cp qtz(Mo)(cp) qtz-mag	Broken Core	90	24643	.20	.048

GIBRALTAR MINES LIMITED

HOLE No. G79-1
PAGE 6 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND	95.97	80°	.1cm	qtz-chl-cp	Broken Core	90	24644	.21	.016
			20°x4	.1cmx4	hem x4					
			30°	.3cm	chl-py					
			50°x3	.3cm	chl-py x3					
			50°	.5cm	qtz-mag					
			30°	.1cm	hem					
			25°	.4cm	cp-qtz-chl					
			25°	.1cm	cp					
			50°	.1cm	qtz-py-cp					
			40°	1cm	qtz-chl-cp-ep					
	ND	100.54	30°x2	.3cmx2	qtz-chl-ep x2		95	24645	.16	.028
			30°	.5cmx2	qtz-chl					
			30°	.5cmx2	qtz-cp					
			40°	1cm	qtz					
			30°x3	.1cmx3	hem x3					
			15°	.1cm	cp					
			30°x2	3cmx2	qtz(cp)x2					
			30°	.3cm	qtz-chl-cp					
			40°	.5cm	qtz-cp					
	ND	105.11	40°	hle	cp	Broken Core Ground core	90	24646	.17	.014
			30°	.1cm	qtz-chl-cp					
			30°x2	.1cmx2	hem x2					
			70°	.5cm	qtz-chl-cp					
			80°	3cm	qtz					
			30°	.1cm	hem x3					
			50°	.1cm	qtz-cp					
			30°	.5cm	qtz-cp					
	ND	109.68	80°	3cm	qtz(cp)	Broken Core	85	24647	.18	.014
			30°	15cm	qtz-ser-py-cp					
			80°	1cm	qtz					
				.5cm	qtz-mag					
			80°	.5cm	qtz-Mo					
			30° x2	.3cmx2	chl x2					

GIBRALTAR MINES LIMITED

HOLE No. 679-1
PAGE 7 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND		20°	3cm	qtz with 3cm ep.					
			30°	.3cm	Chl.		90	24648	.09	.040
		114.25	30°	.5cm	qtz (Mo)	Broken Core				
	ND		≈	5cm	gg					
						Broken Core	95	24649	.14	.009
		118.82	80°	3cm	qtz					
			40°x2	.3cm x 2	qtz-cp x 2					
	ND		20°	.3cm	qtz-py-cp					
			70°	1cm	qtz-(Mo)					
			30°	.3cm	qtz-(cp)					
			15°x2	.4cm x 2	qtz-chl-cp					
			20°x2	.3cm x 2	qtz-cp		95	24650	.12	.011
			40°	.5cm	qtz-mag-cp					
		123.29	30°	1cm	qtz-chl					
			30°x3	hle x 3	cp x 3					
			30°	.5cm	qtz					
			30°	.3cm	qtz-cp					
			60°	.3cm	qtz-cp					
	ND		30°	.4cm	qtz-cp		95	24651	.09	.008
			80°	1cm	qtz					
			30°	.3cm	qtz-cp					
			30°	.1cm	qtz-cp					
			60°	.5cm	qtz-chl-cp					
				1cm	qtz-chl-cp					

GIBRALTAR MINES LIMITED

HOLE No. G79-1
PAGE 8 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND		50°	.1cm	chl.-cp		90	24652	.05	.007
			50°	5cm	qtz-chl-cp					
		132.53	30°	.5cm	qtz.					
	ND		30°	.1cm	qtz-cp		90	24653	.07	.011
			50°	3cm	qtz					
			50°	.1cm	qtz-cp					
		137.10	50°	3cm	qtz					
	ND		20°	1cm	qtz-cp	Broken Core	90	24654	.02	.020
			80°	4cm	qtz					
			80°	5cm	qtz					
			40°	hle	qtz-cp					
			80°	.5cm	qtz-chl					
		141.67	70°	.5cm	qtz-chl					
	ND		30°	.5cm	qtz-chl	Broken core	90	24655	.06	.020
			80°	1cm	qtz-mag					
			60°	3cm	qtz					
			30°	1cm	qtz					
		146.67								

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HOLE No. G79-1
PAGE 9 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
			30°	.5cm	q+z-chl					
			30°	.4cm	q+z	Broken Core	80	24656	.04	.012
		150.81								
			40°	.5cm	q+z					
			40°	1cm	q+z-mag	Broken core 152.5m – 153.4m	80	24657	.13	.016
		155.38	30°x2	.1cmx2	q+z-cpx2					
			60°	1cm	q+z					
			30°	.3cm	q+z-chl-py(cp)	Broken Core 157.3m – 159.5m	90	24658	.03	.006
		159.95								
			30°	hle	cp					
			30°x2	.3x2	chl+hemx2					
			20°x2	.1x2	hemx2					
			70°	5cm	gg+hem					
			50°	3cm	q+z-chl	Broken core 161.6m – 162.0m.	95	24659	.05	.014
			40°x3	.5cmx3	q+z-chlx3					
			20°	1cm	q+z-cp					
			30°	5cm	q+z-mag					
		164.52	30°x4	.5cmx4	q+z-chlx4					

GIBRALTAR MINES LIMITED

HOLE No. 679-1
PAGE 10 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			10° x 2	.1cm x 2	hem x 2					
			30°	.5cm	qtz					
			10°	.1cm	hem					
			20°	.1cm	chl-py					
		169.09	20° x 2	.1cm x 2	hem x 2		95	24660	.06	.010
			40°	hle	cp-py					
			70°	1cm	qtz	Broken Core 172.3m - 173.2m	95	24661	.09	.008
		173.66								
			40°	.1cm	hem	Broken Core 176.0m - 178.4m	90	24662	.06	.010
		178.23								
			25°	hle	py-cp					
			40°	.3cm	qtz-mag					
			20°	.1cm	py					
			30°	.1cm	py		95	24663	.02	.010
		182.80								

GIBRALTAR MINES LIMITED

HOLE No. G79-1
PAGE 11 of 11

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
EOH		183.54									
Gary D Bypoth											

APPENDIX III (b)

GIBRALTAR MINES LIMITED

HOLE No. G79-2
PAGE 1 of 6

LOCATION Granite Lake LENGTH 90.55 m
DATE COLLARED May 15, 1979 DIP 90°
DATE COMPLETED May 16, 1979 CORE SIZE NQW

LATITUDE 14045.97
DEPARTURE 16642.46
ELEVATION 1208.12

LOG SCALE 1:120
LOGGED BY GDB
DATE May 22, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
						Casing to 3.61 m					
		4.57									
MINE PHASE QUARTZ DIORITE 3.61m – EOH plag. 45% qtz - 35% chl. mafic – 20%	ND	9.14	70°	8cm	gg	Limonite to 5.18m Broken Gougy Core		70	24664	.05	.002
med. grn.	ND	13.71	70°	hle	Py	Broken Core		65	24665	.04	.006

GIBRALTAR MINES LIMITED

HOLE No. G79-2
PAGE 2 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND					Broken Core	65	24666	.05	.006
		18.28	70°×2	.1cm×2	PY×2 (cp)					
			80	1cm	PY (cp)					
	ND		20°	.3cm	PY	Broken Core	95	24667	.12	.002
			30°	.1cm	PY					
			60°	.3cm	PY					
			90°+30°	hle×2	hem×2					
			30°+40°+50°	hle×3	PY×3					
		22.85	80°	5cm	gg					
	ND		20°	.3cm	PY	Broken Core 25.92m – 30.79m	70	24668	.21	.002
			80°	.3cm	PY					
			20°	.1cm	PY					
					~1% PY diss.+ veinlets					
			30°×3	.1cm×3	PY×3					
			80°	.3cm	PY					
		27.42	10°+30°	.4cm×2	PY×2					
	ND		20°	.1cm	PY		70	24669	.15	.004
			5°	3cm	PY+cp					
			25°	.4cm	PY					
			80°×8	.1cm×8	PY×8					
			5°	.5cm	PY					
			30°×2	.3cm×2	qtz-PY	~2% PY				
		31.99	40°×2	.3cm×2	qtz-chl-py					

GIBRALTAR MINES LIMITED

HOLE No. 679-Z
PAGE 3 of 6

Depth (meters)	Rock Types & Alteration	Foliation ∠ to Core	Structure: Angle	Structure: Vein Width	Mineralization	Remarks	Core Rec. %	Assay Results: Sample Number	Assay Results: % Cu	Assay Results: % MoS_2
			40×4	·1cm×4	qtz-chl-py					
			20°×2	·3cm×2	py×2					
			20°	1cm	py+cp					
			80°×3	·3cm×3	py+cp ~5% py					
			20°	·5cm	py					
	ND				~1% py		85	24670	·11	·006
36·56										
			10°	·5cm	py-cp					
	ND				~1% py		80	24671	·07	·006
41·13										
			90°	·4cm	qtz-chl-py					
			30°	·3cm	qtz-chl-py					
			70°×2	·3cm	chl-py					
	ND		60°	·1cm	chl-py-ep		90	24672	·04	·006
			50°	3cm	gg + py	Broken Core 45·12m – 47·87				
45·70			10°	1cm	qtz					
				24"	gg zone					
			70°	·1cm	qtz-chl-py					
	ND		80°	·4cm	py-cp		90	24673	·05	·006
50·27			60°?	8cm	qtz-chl-cp					

GIBRALTAR MINES LIMITED

HOLE No. 679-2
PAGE 4 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND	54.84	70° x 2 80° 70° 30° 20° 5° 10°	.4cm x 2 .1cm .3cm .4cm .1cm .5cm .1cm	qtz-chl-py-cp cp cp cp py py py		75"	24674	.09	.006
	ND	59.41	30° 30° x 2 10° 50° 40°	.3cm .3cm x 2 .3cm 5cm .5cm	chl-ep chl-py x 2 py qtz-mag-cp qtz-chl	Broken Core	85"	24675"	.12	.006
	ND	63.98				Broken Core	80	24676	.16	.014
	ND	68.55"	30° 40° 40° x 2	30cm .3cm .3cm .1cm x 2 5"cm	ep cp cp cp x 2 qtz	Broken Core	90	24677	.18	.012

GIBRALTAR MINES LIMITED

HOLE No. 679-2
PAGE 5 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND		10° x 2	.1cm x 2	chl-cp		95	24678	.15	.014
			50° x 3	.1cm x 3	chl-cp					
			30° x 2	.1cm x 2	hem.					
			50°?	15cm	qtz					
		73.12	30° +10°	.3cm + .5cm	chl-ep x 2					
	ND		10°	.3cm	chl-ep-cp		90	24679	.22	.030
			50°	.3cm	cp					
			25° x 4	.1cm x 4	qtz-chl(cp) x 4					
			20° x 2	.1cm x 2	qtz-chl-cp x 2					
			30°	.3cm	qtz-chl-cp					
			70° 10° x 3	.4cm hle x 3	hem x 3					
			70°	.4cm	qtz-chl-cp					
			70°	.5cm	qtz-cp					
			80°	5cm	qtz					
		77.69	5°	.5cm	vuggy-qtz-chl-cp.					
	ND		30°	.3cm	qtz-chl-cp		90	24680	.11	.018
		82.26								
	ND		50°	.4cm	py (cp)		95	24681	.06	.010
			40° x 4	hle x 4	py (cp)					
				5cm	qtz chl					
			80°	.4cm	qtz cp					
				1cm x 2	qtz-chl x 2					
			80° x 2	.5cm	qtz-chl					
			60°	1cm	qtz-chl-cp					
			80°	1cm	qtz-chl					
			70°							
		86.83								

HOLE No. G79-2
PAGE 6 of 6

GIBRALTAR MINES LIMITED

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width				Sample Number	% Cu	% MoS_2
			60°	.1cm	qtz-cp					
			50°	.1cm	cp					
			30°	hte	cp					
			10°	.1cm	cp					
			20°x3	hlex3	hemx3					
							95	24682	.10	.010
EOH 90.60M										

Gary D Fryatt

APPENDIX III (c)

GIBRALTAR MINES LIMITED

GDB

LOCATION Granite Lake LENGTH 122.87 m LATITUDE 14060.64 LOG SCALE 1:120

DATE COLLARED May 21, 1979 DIP -90° DEPARTURE 16718.34 LOGGED BY G.D.B

DATE COMPLETED May 23, 1979 CORE SIZE NQW ELEVATION 1226.95 m DATE May 30, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
Casing to 24.09 m										
MINE PHASE QUARTZ DIORITE (24.09 m - EOH)	70 Wk	27.42	30° x 2 80° 45°	hle x 2 .3cm .3cm	qtz-chl-py-cp py qtz-cp	Weak limonite zone to 44.21 m	65	24201	.23	.010
plag. 50% (saus) qtz. 30% chl.-mafic. 20%	70 Wk	31.99	30°+50° 30° x 2 70° 90° 45° 80°	.1cm x 2 hle x 2 .1cm .3cm .3cm .3cm	lim x 2 qtz-py x 2 qtz-chl-py qtz-chl-py qtz-chl-py lim	Broken Core 30.49 m - 36.56 m	65	24202	.23	.006
	70 Wk	36.56	80°? 70° 30° 40° 35° 45° 40°	3cm .5cm .3cm .1cm .1cm .1cm 1cm .3cm	qtz qtz-ser-py qtz-chl-py-lim lim lim gg+Mo qtz-py-mag-cp qtz-py-mag-cp		55	24203	.38	.006

GIBRALTAR MINES LIMITED

HOLE No. G79-3
PAGE 2 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width				Sample Number	% Cu	% MoS_2
	70 WK	41.13	80° 30° 30° 50° 60° 50° 30°	.1cm .1cm .1cm .5cm hle .3cm .3cm	lim lim qtz-cp qtz-chl-py (cp) py x 2 lim qtz-chl-py	Limonite Zone	60	24204	.18	.008
	70 WK	45.70	30° x 3 50° 45° 45° 50° 90° 40°	.1cm x 3 .5cm .3cm .3cm .3cm .5cm .3cm 18cm 5cm	lim x 3 lim gg + bx chl-qtz-cp	44.21m	40	24205	.36	.010
	70 WK	50.27	70° x 10 40° 70° x 2 70° 60° 45° 45°	.1cm x 10 hle hle x 2 hle 1/10 13cm	chl-hem cp cp x 2 cp qtz-cp ~25 qtz-py (cp) veins all @ 45° and .3cm-.5cm.	Broken Core 48.78m - 51.83m.	50	24206	.48	.017
	70 WK	54.84	50° 60° 50° x 2 35° 45° 45° ? ? 10 x 2 30°	.1cm .1cm .1cm x 2 .4cm .5cm .4cm 5cm 5cm .5cm x 2 5cm	qtz py qtz-cp x 2 qtz-cp qtz-mag qtz-chl-cp qtz (Mo) qtz-mag-chl-cp qtz-mag-chl(cp) x 2 qtz-mag-chl-py-cp	Broken Core 51.83m - 54.84m	60	24207	.38	.028

GIBRALTAR MINES LIMITED

HOLE No. G79-3
PAGE 3 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			} 30°	3cm	qtz-chl-cp					
			}	1cm	chl-cp					
				·1cm	qtz-chl-cp					
			40°	·3cm	qtz-chl-cp					
	70		30°	·3cm	qtz-chl-cp		60	24208	.23	·023
	wk		80°	8cm	gg					
			30°	·3cm	qtz-chl-cp	Broken Core				
		59.41	30°	·1cm	qtz-chl-cp	57.62m - 58.84m				
			20°	·3cm	qtz-chl-cp					
			30°	·4cm	qtz-chl					
			20°	·3cm	qtz-chl-cp	Broken Core				
			10°	·4cm	qtz-chl-cp	62.20m-62.81m				
	70		20°	·1cm	qtz-chl-cp		70	24209	·19	·008
	wk		50°	5cm	gg } red hem.	63.42m-64.94m				
		63.98	40°×2	·1cm×2	hem×2					
			50°	·1cm	hem					
	70		5°×3	hle×3	hem×3		60	24210	·17	·009
	wk	68.55	50°	15cm	gg					
			16°	·1cm	qtz-chl-cp					
			60°	hle	hem					
	70		?	10cm	qtz-Mo		60	24211	·23	·024
	wk		60°	·1cm	hem					
			50°	·1cm	hem					
			30°	·1cm	hem					
			80°	·5cm	hem+gg					
		73.12	20°	·3cm	hem					

GIBRALTAR MINES LIMITED

HOLE No. 679-3
PAGE 4 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	70 wk		35° 30° ? 40°+5° 90	.1cm 3cm .1cm 3cm .1cm x 2 hle	cp gg hem qtz-cp-vuggy hem x 2 hem	Broken Core 75.31m – 76.83m	55	24212	.13	.012
		77.69								
	70 wk		90° 30° 30° 45° 70° 45° 50°	.1cm hle hle .3cm hle .3cm .1cm	hem hem hem qtz-chl qtz-chl-cp qtz-chl qtz-chl-cp		70	24213	.38	.022
		82.26	20° x 2	.1cm x 2	qtz-chl-cp x 2					
	70 wk		30° 45°	.4cm 3cm	qtz-chl qtz-cp	Broken Core 86.28m – 86.59m	70	24214	.17	.011
		86.83		5cm	gg+hem					
	80 mod		30°	90cm	gg+bx+hem	Broken Core 88.72m – 89.63m	60	24215	.13	.010
		91.40	30° 30°	.1cm .3cm	hem qtz-chl					

GIBRALTAR MINES LIMITED

HOLE No. 679-3
PAGE 5 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			40°	1cm	qtz-cp					
			55°	3cm	qtz-Mo					
94.82m	80 mod		60°	.1cm	qtz-cp	94.82m	60	24216	.19	.030
		95.97								
					No Structure	Quartz Sericite Zone				
98.78m	80 Strong					98.78m	65	24217	.10	.011
			?	5cm	gg					
		100.54	30°	.1cm	hem					
			40°×3	hlo ×3	py×3					
			30°	1cm	qtz-chl	Quartz Chl. Zone				
103.35m	?						70	24218	.11	.017
		105.11								
			30°	1cm	qtz-(cov)?-(bo)?					
			60°	.5cm	qtz					
	60 Wk						65	24219	.03	.006
		109.68	60°?	3cm	qtz					

GIBRALTAR MINES LIMITED

HOLE No. G79-3
PAGE 6 of 6

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
	60 Wk		40°	1cm	qtz						
			?	6cm	qtz			60	24220	.05	.011
		114.25	??	15cm 10cm	gg + bx qtz						
	60 Wk		? ?	5cm 1cm	gg qtz			80	24221	.02	.007
			20°	5cm	qtz						
		118.82	20°	1cm	qtz						
	ND	123.39						85			
EOH 122.87m.											

Gary O'Bryan

APPENDIX : III (d)

GIBRALTAR MINES LIMITED

GDB

HOLE No. 679-4
PAGE 1 of 10

LOCATION Granite Lake LENGTH 181.40 LATITUDE 13929.46 LOG SCALE 1:120
DATE COLLARED May 23, 1979 DIP -90° DEPARTURE 16724.68 LOGGED BY GDB
DATE COMPLETED May 26, 1979 CORE SIZE N.Q.W ELEVATION 1221.53 DATE May 29, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width				Sample Number	% Cu	% MoS_2
Casing to 18.29m						18.29m				
MINE PHASE QUARTZ DIORITE 18.29m – EOH	80 Wk	21.34	40° x 3 60° 45° x 2	.3cm x 3 5cm .5cm x 2	qtz py x 3 gg qtz + py x 2	No limonite Zone	70	24226	.16	.006
plag(sauss) ~ 45% qtz. 25% chl.-mafic 30%	80 Wk	25.91	80° 30° 80° 50° 20° x 2 50° + 10 30°	15cm .3cm .1cm .3cm 1cm .5cm x 2 1cm x 2 .3cm	gg py cp-mag qtz-chl-py qtz-py qtz-py x 2 qtz-cp x 2 qtz-cp	Broken Core 21.04m – 28.66m	70	24227	.22	.010
	80 Wk	30.48	45° 30° 50° 20° 50° 20° 40° 45° 30° 45° 60°	3cm .5cm .5cm .3cm .3cm .5cm .5cm .5cm .3cm .3cm .5cm	qtz-py-cp qtz-py-cp qtz-py-ser. qtz-py-cp qtz-py qtz-cp		65	24228	.12	.014

GIBRALTAR MINES LIMITED

HOLE No. G79-4
PAGE 2 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (metres)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	80 wk	35.05	48°	.5cm	qtz-py		80	24229	.15	.013
			5°	.3cm	qtz-py-cp					
			40°×3	.3cm×3	qtz-py×3					
			30°	.3cm	qtz-py					
			50°	10cm	qtz (cp)					
			20°	1.5cm	qtz-mag-cp-py					
36.89m	70 wk	39.62	60°	3cm	qtz-ser-py	Broken Core 36.89m – 37.50m 41.77m – 44.82m	85	24230	.16	.014
			60°	.1cm	qtz-chl-py					
			5°×2	hle×2	cp×2					
			30°+40°	.3cm+hle	qtz-py×2					
			30°×3	.1cm×3	qtz-mag-py×3					
			25°×2	.1cm×2	cp≈py×2					
			5°70?	1cm; 15cm	qtz-mag-py(cp); SS					
			30°	3cm	qtz					
	70?	44.19	50°	5cm	qtz (py)		50	24231	.05	.012
			50°	.4cm	qtz-py					
			30°×2	.1cm×2	qtz-py (cp)×2					
			50°	.4cm	qtz-py					
	70?	48.76		21cm	barren qtz vein	Broken Core 45.70m – 46.95m	80	24232	.05	.014
			30°×2	.1cm×2	qtz-py×2					

GIBRALTAR MINES LIMITED

HOLE No. 679-3
PAGE 3 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	ND	53.33	50° 30° 50? ≈ 60° 50° 30° 50°	.3cm .3cm 5cm 8cm .4cm 8cm .3cm .1cm	} qtz-py qtz-mag-(cp) gg qtz-py qtz-mag-cp qtz-py qtz-py	Broken core	80	24233	.14	.006
	ND	57.90	50°x3 30° 30° 70° 50°x3 50° 50°	hle x3 .1cm 5cm 10cm .1cm x3 .1cm .3cm	cp x3 qtz-chl-cp qtz-cp qtz (py)(cp) qtz-py-cp x3 qtz-chl-py-cp qtz-py-cp	51.83m – 54.84m	85	24234	.35	.028
	ND	62.47	5° 60° 25° 60° 20 40°x2 70°x3 30°x3	.3cm 1cm hle 1cm .3cm hle x2 hle x3 .1cm x3	py qtz-chl-py-cp cp qtz-cp qtz-chl-cp qtz-chl-py qtz-chl-cp x3 qtz-chl-py (cp) x3		90	24235	.22	.007
	ND	67.04	50°x4 50° 60° 40° 25° 80° 80° 90° 75° 60°	hle x4 .1cm .5cm .5cm .3cm 1cm .3cm 3cm 4cm 5cm	qtz-chl-cp x4 qtz-chl-py qtz-chl-ser-cp qtz-py qtz-py-cp qtz-py-cp qtz-cp qtz-mag-cp qtz-mag-cp-py qtz-cp-py		85	24236	.37	.020

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HOLE No. G79-4
PAGE 4 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	70 wk	71.61	50° +30° 70° 10° 45° 50° 20° 45° 20° 60° 50°	5cm + .3cm .3cm .5cm .3cm .3cm 1cm .5cm 3cm .3cm .3cm	qtz-mag-cp x2 qtz-mag-cp qtz-mag-(py) qtz-chl-py qtz-(cp) qtz-mag-cp cp			85%	24237	.44	.044
	70 wk	76.18	20° 50° 30° 50° 20 45°	.5cm .5cm hle .1cm .1cm hle	qtz-chl-py-cp qtz-mag-cp py qtz-chl-cp qtz-chl-py py-chl	Broken Core 72.56 – 78.66		75%	24238	.38	.067
	80 wk	80.75	30° x 50° 50°	8cm .3cm x 2 20cm	qg py-(cp) x2 qtz-cp.	Core too broken to see but veins are present (cp-py)		70	24239	.43	.048
	80 wk	85.32	60° 35° 80° 70° x3 50° x2 60 x2 20 x4 60 x2 40 30 x4	3cm .3cm .3cm x3 .4cm x2 .3cm x2 .1cm x4 hle x2 .3cm .3cm x4	qtz-mag(cp) qtz-chl-cp qtz-chl-py x3 qtz-py(cp) x2 qtz-py(cp) x2 qtz-py x4 cp x2 qtz-py qtz-py x4			75%	24240	.45%	.012

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HOLE No. G79-4
PAGE 5 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			60° + 30°	·3cm x 2	qtz - py x 2					
			40	·1cm x 2	qtz - py					
			50°	·1cm	qtz - py					
			40°	3cm	qtz - chl					
	80 wk		45°	·1cm	qtz - cp		80	24241	·20	·031
			45°	·5cm	qtz - py					
			40° x 2	·3cm x 2	qtz - py - cp x 2					
			45°	2cm	qtz - mag - cp					
			60°	·3cm	qtz - chl - cp					
		89.89	50°	1cm	qtz - Mo					
			30°	·3cm	qtz - chl - cp					
			45°	8cm	qtz - (mo)					
			30°	3cm	qtz - mag - cp					
			50°	1cm	qtz - chl - cp					
				·5cm						
			60°	·5cm	qtz - chl - cp					
	80 wk		40°	·5cm	qtz - Mo		90	24242	·26	·048
			30°	·3cm	qtz · py - cp					
		94.46	60° x 2	hle x 2	cp x 2					
			90°	1cm	qtz - chl					
			30° x 2	hle x 2	cp x 2					
			20°	1cm	qtz					
	80 wk		60°	hle x 3	cp x 3		90	24243	·21	·022
			30° + 10°	·3cm x 2	qtz - cp x 2					
			5°	hle	cp					
			30°	·3cm	qtz - chl - cp					
		99.03	36°	1cm	qtz - py					
			30° x 2	·1cm x 2	qtz - chl - (cp)					
			25° x 3	·3cm + hle x 2	qtz - chl - cp x 3					
			20°	·3cm	qtz - cp					
			60°	5cm	gg					
	80 wk		30°	·3cm	qtz - chl - cp		70	24244	·22	·024
			40°	·1cm	qtz - chl - cp					
			20°	·5cm	qtz vuggy					
		103.60	10°	·1cm	qtz - chl - cp					

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HOLE No. 679-4
PAGE 6 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	80 WK	108.17	45°	.1cm	cp		70	24245	.15	.015
	ND	112.74	45° +20° 30° x 3 10° x 3 50° x 2	35cm .1cm + 1cm .1cm x 3 .3cm + hle x 2 .3cm x 2	gg (reddish) qtz-chl-cp x 2 qtz-chl-cp x 3 qtz-chl-cp x 3 qtz-chl-cp x 2	Broken core 99.72m – 110.37m	75	24246	.53	.059
	ND	117.31	? 45° 45° +25° 45° 60° 70° + 20° 35° 40°	5cm .3cm .3cm + 1cm .5cm .1cm hle hle hle	gg (reddish) qtz-chl-cp cp x 2 chl-cp chl-cp	Broken Core 113.72m – 114.35m	76	24247	.58	.056
	ND	121.88	? 50° 45° 30° 40° 50° 20° 40° 45°	1cm .5cm .5cm .3cm hle x 2 hle hle .1cm .3cm .1cm	qtz-cp qtz-chl-cp qtz-chl-cp x 2 cp cp qtz-ND qtz-cp qtz-cp		80	24248	.19	.036

GIBRALTAR MINES LIMITED

HOLE No. G79-4
PAGE 7 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND		60°	.3cm	qtz-chl-py-cp	Broken Core 121.88m – 123.39m	75	24249	.10	.013
			30°	hle	qtz-chl-cp					
			45°	hle	qtz-chl-cp					
			45°	.3cm	qtz-chl-cp					
			50°	.3cm	qtz-chl-cp					
		126.45	20°	.4cm	qtz-chl-cp					
	ND		45°	.4cm	qtz-chl-cp		80	24250	.19	.036
			50°	.5cm	qtz-mag-cp					
			10°	.3cm	qtz-cp					
			20°	1cm	qtz					
		131.02	?	5cm	qtz					
	ND		50°?	15cm	qtz-ser-Mo-(cp)	Broken Core 132.31m – 132.93m	70	24251	.23	.032
			50°	hle	qtz-chl-cp					
			30°	.1cm	qtz-chl-cp					
		135.59	45°	1cm	qtz					
	ND		50°	.5cm	qtz		70	24252	.11	.010
		140.16								

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HOLE No. G79-4
PAGE 8 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	ND		60°	1cm	VUGGY qtz-(chl)		80	24253	.11	.017
			70°	1cm	qtz					
			30°	1cm	qtz					
			60°	1cm	qtz-mag					
			45° x 2	.5cm x 2	qtz-mag x 2					
			5°	hle	qtz-chl-cp					
			70°	.4cm	qtz-cp					
			60	.3cm	qtz-cp-py					
			30°+60°	.3cm x 2	qtz-cp + qtz-py					
			50°	.4cm	qtz-chl-cp x 2					
		144.73	60° x 2	.3cm x 2						
	ND		45°	.5cm	qtz		75	24254	.11	.020
			45° x 3	.1cm x 3	qtz-chl-cp-py					
			65° x 2	.5cm x 2	chl + qtz					
			40°	.5cm	qtz					
			30°	.1cm	qtz-chl-(cp)					
			80°	.3cm	qtz-chl-(cp)					
			80°	5cm	qtz-cp					
			70°	.3cm	qtz-chl-cp					
		149.30	20° x 2	.3cm	qtz-cp x 2					
	ND		60-75°	15cm	qtz (cp)		80	24255	.09	.014
			60°	.4cm	qtz					
			30° x 2	.5cm x 2	qtz x 2					
			70°	5cm	qtz (Mo)					
			70°	.3cm	qtz					
			70°	.3cm	qtz					
			50°	.5cm	chl (cp)					
			50°	.1cm	qtz-chl (cp)					
			70°	.5cm	qtz-chl					
		153.87	80°+30°	.5cm x 2	qtz + chl-cp x 2					
	ND		60°+10°	.5cm x 2	qtz x 2		80	24256	.06	.013
			60° x 2	.8cm + 3cm	qtz-(cp) + qtz					
			60°	.6cm	qtz (cp)					
			60°	3cm	qtz-(mag)					
			50°	.3cm	qtz-chl					
		158.44	30°	.3cm	cp-chl					

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HOLE No. G79-4
PAGE 9 of 10

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND	163.01	15°	.3cm	q+z-chl-cp		75	24257	.09	.012
	40 str.	168.58	40°	4cm	q+z		70	24258	.05	.014
	ND	172.15	60°	5cm	q+z		75	24259	.03	.009
	ND	176.72	50°	15cm	q+z (Mag)		80	24260		
			60°	4cm	q+z					

HOLE No. G79-4
PAGE 10 of 10

GIBRALTAR MINES LIMITED

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
			∥ 40°?	20 cm	q+z						
	ND		T 60° 5°	1 cm 3 cm	q+z q+z			85	24261	.03	.008
EOH 181.29m		181.29	+ 60°+5°	1 cm + 3 cm	q+z x 2						
Gary D. Bysouth											

APPENDIX III (e)

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HOLE No. G79-5
PAGE 1 of 5

LOCATION Granite Lake LENGTH 91.46m LATITUDE 14307.27 LOG SCALE 1:120
DATE COLLARED May 16, 1979 DIP -90° DEPARTURE 16599.51 LOGGED BY G.D.B
DATE COMPLETED May 17, 1979 CORE SIZE N.Q.W ELEVATION 1222.33 DATE May 24, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
8.84m		9.14									
MINE PHASE QUARTZ DIORITE 8.84 – EOH	70 Wk		50°	3cm	qtz-chl	Broken Core		85	24683	.18	.012
			30°	.4cm	qtz-chl						
			10°×3	.3cm×3	qtz-chl×3						
		13.71				Zone					
	7wk		20°	1cm	qtz-chl-PY-CP	Limonite weak.		70	24684	.18	.010
			80°	5cm	qtz-mal						
			30°	1.5cm	qtz-chl						
			80°	5cm	qtz-VUGGY	17.38m					
		18.28	80°	1cm	qtz-VUGGY						

GIBRALTAR MINES LIMITED

HOLE No. G79-5
PAGE 2 of 5

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	70 Wk		70°	6cm	qtz-cp		80	24685	.09	.010
			30°	hle	Chl-cp					
			60°x2	.3cmx2	qtz-chlx2					
			70°	.3cm	qtz-chl					
			70°	.5cm	qtz-carb	21.95m				
		22.85	70°	.3cm	qtz-chl					
	80 Str.		90°	6cm	qtz-carb	Quartz Chl Zone	85	24686	.08	.006
			40°	.1cm	cp-py					
			70°x2	3cmx2	qtz-carb					
			20°	.5cm	qtz-cp					
			90°	3cm	qtz-carb					
			70°	5cm	qtz-chl (cp)					
		27.42	80°	5cm	qtz-chl-(cp)	25.92				
	70 Wk		70°	1cm	qtz	27.74m	50	24687	.08	.006
						Quartz Chl. Zone				
						30.18m				
		31.99				Broken Core ~1.25m Core lost				
	ND		30°	hle	cp	Broken Core ~1.25m Core Lost	65	24688	.20	.014
			40°	hle						
			50°	hle						
			10°	.4cm	qtz-chl-cp	34.76m				
			20°	.3cm	qtz-chl-cp					
			30°x2 ?	.3cmx2	cpx2	Epi. Chl. Zone to 38.11m				
			20°	.4cm	qtz-cp					
		36.56	80°x3	.3cmx3	qtz-mgg-cpx3					

GIBRALTAR MINES LIMITED

HOLE No. G79-5
PAGE 3 of 5

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			70°	3cm	ep-chl-(cp)					
			30°x3	.3cm	ep-chl-cp					
			40°	.1cm x3	chl-cp x3					
				3cm	qtz	38.11m				
	ND		40°	15cm	qtz		95	24689	.11	.012
			20°	5cm	qtz					
		41.13	10°	.1cm	cp-chl.					
					chl-ep-diss.cp	Shattered vein				
			30°?	4cm	qtz-chl-ep					
			50°	3cm	qtz-chl-cp					
	ND		80°	.4cm	qtz-chl-cp x2		90	24690	.18	.006
			40°x2	.3cm x2	qtz-chl-cp					
			80°	.3cm	qtz-(cp) x2					
			70° x2	.5cm	qtz					
			70°	.5cm	qtz-cp x2					
		45.70	10°x2	.4cm x2						
			70°	1cm	qtz-mag-cp					
			20°	.1cm	ep					
			80°	.5cm	ep-chl-cp	Broken Gougy Core				
	80		30°	1cm	qtz-mag			24691	.16	.008
	WK		25°	5cm	qtz					
			30°	1cm	qtz-(cp)					
			25°	1cm	qtz-chl-cp					
		50.27	20°	.3cm	qtz-cp					
			?	5cm	qtz(cp) mag					
				15cm-30cm gg zone						
	80		10°	hle	cp	Broken Core		24692	.22	.022
	WK		40°	.1cm	cp					
			30°	.1cm	cp					
		54.84	70°	3cm	qtz(cp)					

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HOLE No. 679-5
PAGE 4 of 5

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	ND	59.41	10°	hle	Structure Obscured by fragmentation cp	Broken Core 57.90m - 60.00m	70	24693	.19	.014
	ND	63.98	50° 40° 30°x3 ? 30°x2 30°x2 70°	60cm .1cmx2 hlex2 5cm	qtz-mag-cp qtz-(cp) qtz-chlx3 qtz-ser-py-gg qtz-chl-cp cpx2 qtz	Broken Core 60.98m - 62.47m	85	24694	.28	.014
	ND	68.55	20° 30° 40° 5°x2 5° 50° 50° 30°x3 50°x2 ? 50°? 80°x2 40°	1cm .5cm 1cm .1cmx2 .5cm .5cm .3cm .3cmx3 .4cmx2 15cm .4cm .3cmx2 .5cm	qtz-vuggy qtz cpx2 qtz-chl-cp qtz-cp qtz-chl-cpx3x2 qtz-(Mo) qtz-chl-cp. qtz-chl-cpx2 qtz-chl-cp	Broken Core 67.04m - 68.29m	90	24695	.23	.024
6" Leucocratic dyke	ND	73.12	40° 30°x2 30° 60° 50° 58? 40° 30°x2 30°x2 5°	.5cm .3cmx2 .1cm .4cm .3cm 8cm 1cm .1cmx2 .1cmx2 .1cm	qtz qtz-chlx2 cp qtz-cp qtz-cp qtz(Mo) qtz-chl qtz-chl-cp.		90	24696	.28	.016

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HOLE No. 679-5⁻
PAGE 5⁻ of 5⁻

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	70 Mod.	77.69	30°	.5cm	qtz-chl-cp		90	24697	.28	.016
			50°	.3cm	qtz-cp					
			35°×2	.1cm×2	qtz-chl-cp					
			30°	hle	cp					
			25°	.3cm	qtz-chl-cp					
			50°	.4cm	qtz (vuggy)-cp					
			20°	hle	cp					
			50°×2	3cm + .4cm	qtz (cp)×2					
			50°	5cm	qtz (cp)					
	70 Mod.	82.26	50°	.3cm	qtz-chl-cp		95⁻	24698	18 ~~.28~~	.020
			60°	.1cm						
			30°	.4cm						
			60°	1cm	qtz					
			50°×3	.1cm×2	cp×2					
			40°	.5cm	qtz					
			40°×2	.5cm + 1cm	qtz-chl-cp×2					
			25°	3cm	qtz? - chl (sample)					
			50°	.5cm	qtz-chl (cp)					
			30°	1.5cm	qtz					
	70 Mod.	86.83	50°	hle	cp	Barry A. Bennett	90	24699	.15⁻	.016
			30°	.1cm	qtz-chl-cp					
			30°+40°+50°	.5cm×3	qtz-chl-cp×3					
			20°	.4cm	qtz-chl-cp					
			5°	.1cm	cp					
			25°	3cm	qtz (cp)					
			50°	5cm	qtz (Mo)					
			50°	.5cm						
			30°×2	1cm + 1.5cm	qtz-chl-cp					
			50°?	3cm	qtz-chl (vuggy)					
			50°	1cm	qtz-chl					
			50°	3cm	qtz-chl					
	70 Mod.	91.40	30°	3cm	qtz-(Mo)		90	24700	.08	.011
			10°	.1cm						
			20°	.3cm	qtz-chl-cp					
			5°	.1cm						
			35°	1cm	qtz-chl-cp					
			30°	.3cm	qtz-chl-cp					
			40°	1cm	qtz-cp					
			80°	1cm	qtz					
91.46m EOH.			50°×2	.1cm×2	qtz-chl×2					

APPENDIX III (f)

GIBRALTAR MINES LIMITED

406

HOLE No. G79-6
PAGE 1 of 7

LOCATION Granite Lake LENGTH 123.17
DATE COLLARED May 18, 1979 DIP -90°
DATE COMPLETED May 19, 1979 CORE SIZE N.Q.W

LATITUDE 14273.91 LOG SCALE 1:120
DEPARTURE 16725.69 LOGGED BY G.D.B
ELEVATION 1237.44 DATE May 24, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
Casing To 6.10m 6.10m		6.10									
MINE PHASE QUARTZ DIORITE (6.10m - E.O.H)	ND		40°	.1cm	Py	Broken Core	Heavy Limonite to 12.20m	75	24451	.24	.020
			40°x4	.4+.1+.5+.1 cm	Py x 4						
			20°	1cm	Py						
		10.67	70°	.3cm	Py (Cp)						
	ND		45°x3				Strong CC Zone to 18.90m	95	24452	.31	.008
			45°x3								
			50°x2								
			50°x2								
			40°x4								
			35°x3								
			30°								
		15.24	50°								

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HOLE No. G79-6
PAGE 2 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND	19.81	70° 35° 20° 40°+5° 30°×2 10° 30° 20° 50° 50°? 30°	3cm ·5cm ·5cm ·3cm×2 ·5cm+·3cm ·3cm ·3cm ·5cm hle 1cm hle	qtz-chl-cp cp-py qtz-chl.-cp cp-cc cp-py py-cc py-cc py-cc py qtz-py py	Broken core	85-	24453	·18	·005-
	ND	24.56	20° 30°×2 30° 30°×2 30°×2	·1cm ·3cm×2 60cm ·4cm+·3cm ·3cm×2 ·5cm+·3cm	py py×2 gg qtz-py(cp)×2 py(cp)×2 py(cp)×2	Broken Core to 21.95 m	60	24454	·13	·004
	ND	29.13	20° 50° 50° 40° 20° 30° 5° 20° 10° 50°×2 45°+50° 60°×2	1cm ·3cm 1cm ·4cm ·3cm ·1cm ·3cm ·3cm 1cm×2 1cm+·3cm ·7cm×2	qtz-chl qtz qtz-chl-py py-cp py(cp) py py(cp)×2 py×2		85-	24455	·10	·004
	ND	33.70	30° 40° 50°+70° 70° 60° 30° 15° 30° 45°×2 70°+20° 50° 20°	1cm ·1cm ·3cm×2 ·1cm ·1cm ·4cm ·5cm 1cm 1cm×2 ·3cm+·1cm ·1cm ·1cm	qtz-py py py×2 py py qtz-py qtz-py qtz-chl-py qtz(vuggy)×2 qtz-py×2 py		85-	24456	·06	·004

GIBRALTAR MINES LIMITED

HOLE No. 679-6
PAGE 3 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	ND	38.27	20° x 2	.1cm x 2	py-qtz-Mo x 2		95	24457	.10	.010
			60° x 2	.3cm x 2	py-cp x 2					
			50° x 2	hle x 2	py-(cp) x 2					
			20°	4cm	qtz-py-cp Mo					
			30° x 2	.1cm x 2	qtz-py(cp)					
			50° x 2	.1cm x 2						
			5°	.3cm	qtz-chl-py					
			45°	.5cm	qtz-chl-py					
			60°	1cm	qtz-chl-py					
	ND	42.84	45°		qtz-chl-py		95	24458	.09	.013
			25°		qtz-chl-cp					
			20° x 2		qtz-cp x 2					
			60°		py					
			50° + 30°		qtz-py-cp x 2					
			10°		qtz-py-cp					
			25°		qtz-chl-py					
			5° x 2		qtz-cp x 2					
			80°							
			80° x 2							
			5°	4cm	qtz-chl-ep-py					
	ND	47.41	25° x 2	.3cm x 2	qtz-chl-py (cp) x 2	Broken Core 43.90m – 44.82m	90	24459	.12	.007
			50°	hle	py					
			50°	10cm	qtz-chl-py	Quarty sericite pyritic? zone 43.60m – 44.82m.				
				~5% dissem.	py (cp)					
			5° x 2	1cm + .3cm	qtz-chl-py-cp x 3					
			30° x 3	.3cm x 3						
			35° x 3	.3cm x 3						
			80°	3cm - - -	qtz-ser.-py					
			80°							
			5° x 2	hle x 2	py x 2					
49.09m	ND	51.98	30°	.5cm	qtz-chl-py	Broken Gougy Core	85	24460	.20	.010
			80°	.5cm	qtz-chl-py					
			60° x 3	.3cm x 3	qtz-chl-py					
			30°	.1cm	py					
			10°	.3cm	py					
			40°	.3cm	py					
			50° + 30°	1cm + .3cm	qtz-py-cp x 2					

GIBRALTAR MINES LIMITED

HOLE No. G79-6
PAGE 4 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
Major Fault Zone (49.09m – 59.41m) ~6.1m of green to hem-red gouge	ND	56.55				Broken Core and "Solid" gouge sections 1.52m core lost.	60	24461	.46	.021
59.41m	70 WK						70	24462	.12	.016
		61.12	90°?	15cm	qtz-carb	Quartz				
			45°	1.5cm	qtz-carb	Quartz Chlorite Zone 195–212				
	70 Mod			90cm	Vuggy-qtz		95	24463	.01	.006
64.63m		65.69			23 barren quartz veins .5cm – 8cm @ 50° – 80°					
	80 Str.		40°	30cm	qtz-carb-ser	Quartz Sericite Zone 64.63m – 70.48m	95	24464		
			70°	30cm	qtz-carb-ser-chl					
		70.26	80°	15cm	qtz-ser-carb					

GIBRALTAR MINES LIMITED

HOLE No. G79-6
PAGE 5 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
70.43m			50°	5cm	qtz					
	75° str.		80°	3cm	qtz		95	24465	.02	.007
			70°	1cm	qtz					
			60°	3cm	qtz					
			20°×2	.3cm×2	1cm×2					
			30°×2	.3cm×2	qtz×2					
			80°	5cm	qtz					
			30°	5cm	qtz					
		74.83	80°	3cm	qtz					
			30°×2	.5cm×2	qtz×2					
			70°×5	.5cm×5	qtz×5					
	70 str.		50°×2 ×2	.5cm .5cm+.4cm .5cm×2	qtz		95	24466	.03	.005
			70°	1cm	qtz					
			70°	3cm	qtz					
		79.40	40°	1cm	qtz-chl					
			45°	1cm	qtz					
			50°	3cm	qtz-chl					
			45°	1cm	qtz					
	60 mod.				Barren structureless zone - minor crenulations	Broken Core 81.40m – 84.15m	95	24467		
83.54m		83.93				Quartz chl. zone (83.54m – 85.32m)				
85.32m										
	30 to 60 (cren)		10°	3cm	qtz-carb					
			60°	3cm	qtz-carb		95	24468		
			30°	3cm	qtz					
			30°×3	.5cm×3	qtz×3					
		88.54	60	3cm	qtz					

GIBRALTAR MINES LIMITED

HOLE No. 679-6
PAGE 6 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS₂
	70 str.		80° x2	1cm x2	qtz x2	Quartz Sericite Chlorite Zone. (85.32m - 97.68m)	90	24469	.03	.008
			70°	.5cm	qtz					
			70°	.5cm x2	qtz x2					
			60°	1cm	qtz					
			80°	.5cm	qtz					
		93.11	80°	1cm	qtz					
	70 str.		40°	.5cm	qtz		90	24470	.04	.006
			70°	3cm	qtz					
			40°	.5cm	qtz					
			70° }	1cm	qtz					
			70°							
			70°							
			80° x2	.5cm x2	qtz x2					
		97.68	80° x2	1cm x2	qtz x2					
	80 str.		5°	.5cm	qtz-spar		95	24471	.03	.006
			30°	1cm	qtz					
		102.25								
	80 var.					Broken Core (103.60m - 103.96m) (106.10m - 106.71m)	95	24472	.00	.007
		106.82			Very barren section					

GIBRALTAR MINES LIMITED

HOLE No. G79-6
PAGE 7 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
	80 WK	111.39				1.5-2 m of core Lost	60	24473	.02	.004
	ND	115.96			Very barren Core - numerous .5cm-1cm barren qtz. veins ∥ par. to foliation (60°-80°)	Broken Core 114.94m-123.17m	90	24474	.04	.010
	ND	120.53				2.44 of core lost.	70	24475		
EOH 123.17m	ND	125.10								

Gary D Bysouth

APPENDIX III (g)

GIBRALTAR MINES LIMITED

HOLE No. GM-7
PAGE 1 of 7

LOCATION Granite Lake LENGTH 123.48 LATITUDE 19175.38 LOG SCALE 1:120

DATE COLLARED May 19, 1979 DIP -90° DEPARTURE 16717.67 LOGGED BY G.D.B

DATE COMPLETED May 21, 1979 CORE SIZE N.Q.W ELEVATION 1233.89 DATE June 5, 1979

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE		MINERALIZATION	REMARKS		Core Rec. %	ASSAY RESULTS		
			Angle	Vein Width					Sample Number	% Cu	% MoS_2
Casing to 6.71m											
MINE PHASE QUARTZ DIORITE (6.71 – E.O.H)	ND	10.67	20° 20° 50° 45° 10° 30° x2 45° x2	.1cm .3cm .3cm .1cm .3cm .1cm x2 .1cm x2		Limonite to 10.67	Broken core	50	24262		
	ND	15.24	? 5° x2 ? 10°	8cm .4cm x2 15cm .5cm	gg Py x2 gg Py + lim	Broken Core (gougy)		60	24263	.19	.004
	ND	19.81	30° 50°? ?	.5cm 30cm 1.24m	Py + lim gg gg	Broken Core (gougy)		60	24264	.19	.006

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HOLE No. 679-7
PAGE 2 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	NIO			2·44m.	gg		75	24265	·26	·022
		24·56	?	8cm	gg					
	50 wk		45°	5cm	qtz-mag-cp		65	24266	·88	·020
			65°	5cm	gg					
			30°+20°	·1cm×2	hem×2					
			10°	·1cm	hem+chl					
		29·13	30°	·3cm	qtz-chl-cp					
	50 mod.		90+30°	·1cm×2	qtz-chl-hem-cp×2		70	24267	·29	·014
			20°×3	hle×3	hem×3					
			} 70°	·1cm	qtz-chl-cp					
				·1cm	qtz-chl-cp					
				hle	Mo·chl.					
		33·70	45°	20cm	qtz-mag(cp)					
	60 mod		60°	·4cm	qtz-cp		75	24268	·21	·012
			50°×3	hle×3	qtz-chl-cp×3					
			75°	·3cm	chl-cp-Mo					
			5°	·3cm	hem					
			50°	·1cm	qtz-chl-cp					
			5°	·1cm	hem					
			40°	·5cm	chl-cp					
			50°	1cm	qtz-chl					
		38·27	30°	hle	cp					

GIBRALTAR MINES LIMITED

HOLE No. G79-7
PAGE 3 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
	60 mod		70°	90cm	qtz-chl-(ser) py-cp. zone	Broken Core	60	24269	.23	.022
			30°+10°+50°	.1cmx3	hem x3					
			35°	3cm	chl-cp					
			5°	.4cm	qtz-chl-cp					
			55°	hle	chl-cp					
		42.84	50°	.5cm	qtz					
	60 mod		30°	.3cm	qtz-chl-cp.		75	24270	.26	.016
			60°	hle						
			60°	3cm						
			60°	hle						
			80°	hle						
			15°	3cm	qtz(mag)(cp)					
		47.41	70°	1.5cm	qtz-chl.(vuggy)					
	50 wk-mod		30°	17cm	qtz-(cp)-(Mo)		65	24271	.25	.016
			5°	hle	hem					
			60°	.3cm	qtz-chl-cp					
		51.98	60°	.5cm	qtz-chl (cp)					
	50 wk-mod		50°	hle	qtz-chl-cp		60	24272	.23	.017
			70°	.3cm	qtz-chl-Mo					
			10°	.4cm	qtz-cp					
			5°	hle	hem					
			80°	.1cm	chl(Mo)					
			5°	.1cm	chl					
			90°x2	.1cm x 2	chl-Mo x 2					
			20°	.4cm	cp-qtz					
		56.55	50°	.1cm	chl-cp-Mo					

GIBRALTAR MINES LIMITED

HOLE No. GM-7
PAGE 4 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			50°	.3cm	q+y-(Mo)					
			20°	.3cm	q+y-chl-cp					
	40 wk-med		30°	.1cm	q+y-chl-cp.					
			50°	.3cm						
			5°	.3cm						
			30°	.3cm	q+y-chl-hem					
			20°x2	.1cm x2	q+y-chl-cp x2					
			30?	.5cm	q+y-chl-cp					
		61.12	20°	.3cm	q+y-chl-cp		80	24273	.19	.010
			5°	hle	cp					
			45°	1.5cm	q+y(Mo)					
			10°x2	.5cm + .3cm	q+y+chl-cp					
			45°	.5cm	q+y-chl-cp					
			45°	.3cm	q+y-chl					
	40 wk		50°?	3cm	q+y					
			30°	.4cm	q+y-chl-cp					
			20°	.3cm	q+y-chl					
			60°+30°	.4cm x2	q+y-chl-(cp) x2					
			50° x2	.3cm x2	q+y-(Mo) x2					
		65.69	15°	.3cm	q+y-chl-cp		65	24274	.18	.010
			20°	.3cm	q+y-chl-cp					
			70°	.4cm	q+y-chl(cp)					
			60°	.1cm	q+y-chl-cp					
			?	3cm	q+y-Mo					
	55 wk		50°	.5cm	q+y-chl-cp					
			55°	.3cm	q+y-cp					
			5°	.1cm						
			50°	.3cm	q+y-chl-cp					
			40°	3cm	q+y-Mo					
			50°	.4cm	q+y-Mo					
		70.26	10°	.1cm	q+y-chl-cp.		65	24275	.21	.026
			25°	.3cm	q+y-cp-bo					
			5°	.3cm	q+y-chl-cp					
	55 wk		5°	hle	q+y-chl-cp		80	24276	.04	.005
		74.83								

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HOLE No. G79-7
PAGE 5 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
			50°?	1cm	qtz (Mo)					
			30°	5cm	qtz					
			40°?	3cm	qtz					
			50°x2	.3cm x2	qtz-chl					
	SD wk		45°x2	.4cm x2	qtz x2		70	24277	.08	.010
			50°	1.5cm	qtz					
			50°	1cm	qtz					
		79.40	20°+30°	.3cm x2	qtz-chl-cp-Mo					
			20°x2	.3cm x2	qtz-chl-cp					
			50°	.3cm	qtz-ep-cp					
			60°	.5cm	qtz					
	SD wk		50°	.5cm	qtz		80	24278	.14	.007
			30°	.8cm	qtz					
			5°	.5cm	qtz					
			30°	.8cm	qtz					
			50x10	.3cm-.4cm x10	qtz x10					
		83.97	30°	1cm	qtz-chl					
			40°x5	(1+.4+.3)x3	qtz-chl (cp) x5					
			45°	.3cm	qtz-chl-py-cp-Mo					
			5°	.4cm	qtz-(cp)(Bo)					
			50°	.4cm	qtz-(Mo)(cp)					
			50x12	$\frac{1}{2}+\frac{1}{8}+\frac{1}{10}$ x8	qtz-chl x12					
	ND		50°	.3cm	qtz-chl-cp		70	24279	.15	.018
			50°	.3cm	qtz-chl					
			30°	1cm	qtz-mag	86.59m				
						↑ Sheared zone ↓				
				1cm	gg					
		88.54		15cm	qtz-carb					
			40°	5cm	qtz-carb-ser-cp					
			80°	5cm	qtz					
	ND						70	24280	.11	.014
						90.55m				
			40°	1cm	qtz					
		93.11	20°	.5cm	qtz					

GIBRALTAR MINES LIMITED

HOLE No. G79-7
PAGE 6 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE: Angle	STRUCTURE: Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS: Sample Number	ASSAY RESULTS: % Cu	ASSAY RESULTS: % MoS_2
			45°	1·5 cm	qtz					
			60°	1 cm	qtz - mag - cp					
			5°	·4 cm						
			30°	·5 cm	qtz					
			60° ×3	·3 cm ×3						
	NID		70° ×6	·3 cm ×6	qtz - chl ×6		80	24281	·13	·016
			70° ×5	·4 cm ×5	qtz ×5					
			5°	·4 cm	qtz					
		97·68	70°	1 cm	qtz - chl - (cp)					
			30°	3 cm	qtz					
			5°	·3 cm	qtz					
			60° ×3	·3 cm ×3	qtz - chl ×3					
			20°	1 cm	qtz - Mo					
			60° ×8	1 cm + ·3 cm ×7	qtz - chl ×8					
	ND		30°	·3 cm	qtz - chl - (cp) ×2					
			20° ×2	·5 cm ×2	qtz - chl - cp ×2		80	24282	·08	·044
			5°	·4 cm	qtz - chl - cp					
			30° ×2	·1 cm ×2	qtz - chl - cp ×2					
			30° ×3	5 cm + 4 cm + 1 cm	qtz ×3					
		102·25	30° ×3	·5 cm ×3	qtz - chl ×3					
			5°	·5 cm	qtz - chl					
			20°	3 cm	qtz					
			30° ×2	1 cm ×2	qtz ×2					
			5°	·5 cm	qtz					
	NID		40° ×2	·4 cm ×2	qtz ×2		85-	24283	·06	·008
			50°	1 cm	qtz					
			50°	4 cm	qtz					
			45°	·4 cm	qtz	Increasing barren qtz vein Concentration.				
		124·82		7 cm	qtz					
			50-60° ×6	·6 cm - ·3 cm ×6	qtz - chl ×6					
			60°	5 cm	qtz					
			45°	5 cm	qtz					
			60° ×12	·5 cm - ·3 cm ×12	qtz ×8 + qtz - chl ×4					
	ND		70° ×2	·3 cm ×2	qtz - chl ×2		85-	24284	·09	·007
			65° ×3	·3 cm ×3	qtz - chl ×3					
			80°		qtz - chl - cp					
			20°	6 cm	qtz					
		129·39	30°	·4 cm	qtz					

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HOLE No. G79-7
PAGE 7 of 7

ROCK TYPES & ALTERATION	Foliation ∠ to Core	Depth (meters)	STRUCTURE Angle	STRUCTURE Vein Width	MINERALIZATION	REMARKS	Core Rec. %	ASSAY RESULTS Sample Number	ASSAY RESULTS % Cu	ASSAY RESULTS % MoS_2
			70° x10	·3cm x10	qtz-chl x10					
			80° x2	·3cm x2	qtz-mag ± qtz-chl					
			80° x5	·3cm x5	qtz-chl (cp) x5					
			70° x2	·3cm + ·4cm	qtz					
			45° x2	·4cm x2	qtz-chl x2		70	24285	·07	·007
			45°	·4cm	qtz-chl					
		133.96	60° x2	·3cm x2	qtz x2					
			30°	12cm	gg + hem					
			35°	5cm	gg + hem					
			?	8cm	qtz					
			30°	·5cm	qtz					
			90°	·3cm	hem					
			25° x2	·4cm x2	qtz x2	large qtz vein Concentration but low Sulphide				
			40°	·3cm	qtz					
			35°	·5cm	qtz		70	24286	·04	·009
			30°	1cm	qtz					
			30° x4	·3cm x4	qtz x4					
			25° x3	·3cm x3	qtz x3					
		138.53	40°	·5cm	qtz					
			30°	·25cm	qtz-chl-gg					
			20° + 30°	·5cm x2	qtz x2					
			40°	9cm	qtz					
			80°	·5cm	qtz					
			70°	3cm	qtz		80	24287	·15	·008
			70° x2	1cm x2	qtz					
			40°	·5cm	qtz					
			40°	·5cm	qtz					
		143.10								
EOH 123.48 m										

Gary D. Bygrave

53000E

55000E

N

79-5

79-6

79-7

79-3

79-2

79-1

79-4

M58 (L4139)

YELLOW GROUP

GRANITE LAKE PIT

3770

3635

46000N

3725 Berm

3680 Berm

3815 Berm

3860 Berm

M42 (L3604

OLIVE GROUP

INDEX MAP

121°15'

52°30'

FRASER R.

97 HWY

x Gibraltar Mines

Olive and Yellow Groups

CUISSON LAKE

McLeese Lake

Scale 1: 250,000

Miles 0 5

Km. 0 5

Scale: 1:2400

Feet 0 200 400

Meters 0 50 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7438

Control: ~~Transit Survey~~

○ Drill hole site

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE | No. | DWG. No.

SCALE

GIBRALTAR MINES LIMITED

OLIVE AND YELLOW GROUPS

FIGURE 2

DRILL HOLE LOCATION MAP

FILE No.

NCI — 210 — G.M.L.

53,000E

46000N

46,000N

N

M 42

M 58

M 51

OLIVE GROUP

YELLOW GROUP

HD 20

HD 8

HD 6

HD 7

HD 5

EV 2

EV 4

EV 1

EV 3

F4F

FI 2 FR

FFE 19

CAROL 4FR

FFE 15

FFE 13

SAP 5 FR

SAP 2 FR

VE 21

SAP 3 FR

CAROL 7FR

FFE 16

FFE 14

FL6

BUD 4

1 FR

BUD 2

BUD 3

M 61

VE 22

GJ 20FR

BUD 1

GIB 15 FR.

M 59

HAS 19

M 60

HAS 17

HAS 20

HAS 2

HAS 15

HAS 18

HAS 13

HAS 16

HAS 14

HAS 12

Scale: 1:12,000

feet 1000 2000

meters 200 400 600

MINERAL RESOURCES DIVISION
ASSESSMENT REPORT
7438
NO.

FIGURE 3

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE No. DWG. No.

SCALE

GIBRALTAR MINES LIMITED

OLIVE AND YELLOW GROUPS

CLAIM LOCATION MAP

FILE No.

NCI-210-G.M.L.