84-#528 - 12656

DIAMOND DRILL REPORT

ON THE

YELLOW GROUP

Cariboo Mining Division

92 B/9

(Latitude 52° 31', Longitude 122° 17')

OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

McLEESE LAKE, B.C.

AUTHOR: M. R. Schaumberger

Submitted: June 30, 1984

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1.0 INTRODUCTION

The Yellow Mineral Claim group is part of the Gibraltar Mines Limited permanent property. It is accessed along a mine haul road and lies approximately 1.75 miles (2.8 Km.) from the plant site. The general location is shown in Figure 1.

The 1984 drilling on this group took place along the north, east and south edges of the Granite Lake Pit. These areas have previously been tested by Canex in 1969 and 1971, and by Gibraltar Mines in 1979 and 1982. The 1984 drill locations are shown in Figure 3.

Drilling was carried out by B. & D. Diamond Drilling of 5425 Dallas Drive, Kamloops, B.C. during the period May 3 to May 12, 1984. Four vertical N.W. wireline diamond drill holes were completed for a total of 1,309 feet (399.09 m.). Core was not split. The whole core was sent to the assay lab for analysis. The ground core is stored at Gibraltar Mines plant site for a period of one year.

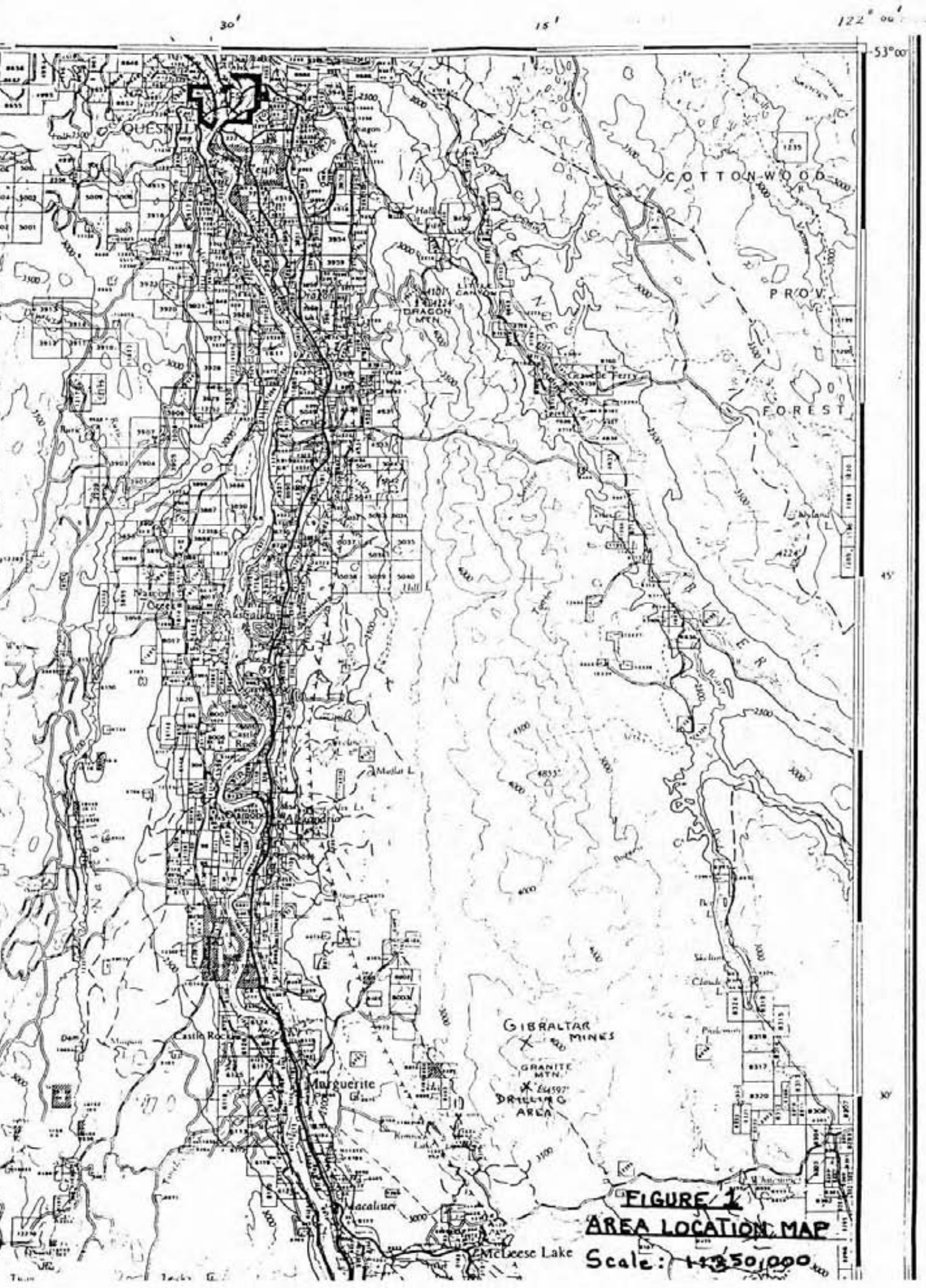


FIGURE 1

AREA LOCATION MAP

Scale: ~~1:250,000~~

2.0 MINERAL CLAIMS

The Yellow Claim Group has mineral leases grouped with mineral claims. Particulars of each claim are listed below. Some of the claims are owned by Cuisson Lake Mines Limited but Gibraltar Mines Limited has full administrative rights over all of these claims. Mineral Claim locations are shown in Figure 2 (in pocket).

GIBRALTAR MINES LIMITED
11-JUN-84

CLAIM GROUPS

YELLOW GROUP MINERAL CLAIMS

NAME	RECORDED DDMMYY	RECORD NUMBER	UNITS	MINERAL LEASE	OPTIONED FROM
BUD #1	230574	71611	1		
BUD #2	230574	71591	1		
BUD #3	230574	71599	1		
BUD #4	230574	71608	1		
CAROL #4FR	120768	46104	1		CLM
CAROL #6FR	120768	46106	1		CLM
CAROL #7FR	120768	46107	1		CLM
EV # 1	230574	71594	1		
EV # 2	230574	71593	1		
EV # 3	090174	71588	1		
EV # 4	230574	71614	1		
FFE #13	160566	35766	1		CLM
FFE #14	160566	35767	1		CLM
FFE #15	160566	35768	1		CLM
FFE #16	160566	35769	1		CLM
FFE #17	160566	35770	1		CLM
FFE #19	160566	35772	1		CLM
FI #2 FR	230574	71601	1		
FI #4 FR	230574	71602	1		
FLO #1 FR	230574	71603	1		
GIB #15FR	030971	64566	1		
GIB 20FR	210672	66782	1		
GJ 20FR	090174	71323	1		CLM
HAS 2	161068	48026	1		CLM
HAS 12	161068	48031	1		CLM
HAS 13	161068	48032	1		CLM
HAS 14	161068	48033	1		CLM
HAS 15	161068	48034	1		CLM
HAS 16	161068	48035	1		CLM
HAS 17	161068	48036	1		CLM
HAS 18	161068	48037	1		CLM
HAS 19	161068	48038	1		CLM
HAS 20	161068	48039	1		CLM
HD # 5	051066	37784	1		CLM
HD # 6	051066	37785	1		CLM
HD # 7	051066	37786	1		CLM
HD # 8	051066	37787	1		CLM
HD #20	051066	37797	1		CLM
SAP #2 FR	030971	64568	1		CLM
SAP #3 FR	030971	64569	1		CLM
SAP #5 FR	210672	66783	1		CLM
VE 21	280469	50693	1		CLM
VE 22	280469	50694	1		CLM
ZIP 1FR	120276	00138	1		
EST NO3 FR	200571	62401	1	3604 M42	
LYNNE #3	130766	36699	1	3604 M42	
RUM #80 FR	031270	61406	1	3604 M42	
VE NO 1	140266	34947	1	3604 M42	
VE NO 2	140266	34948	1	3604 M42	
VE NO 3	140266	34949	1	3604 M42	

C L A I M G R O U P S

YELLOW GROUP MINERAL CLAIMS

NAME	RECORDED DDMMYY	RECORD NUMBER	UNITS	MINERAL LEASE	OPTIONED FROM
VE NO 5	140266	34951	1	3604 M42	
VE NO 7	140266	34953	1	3604 M42	
VE NO10	140266	34956	1	3712 M50	
VE NO 4	140266	34950	1	3713 M51	
VE NO 6	140266	34952	1	3713 M51	
VE NO 8	140266	34954	1	3713 M51	
HD #18 FR	051066	37795	1	4139 M58	CLM
HD #19	051066	37796	1	4139 M58	CLM
LINDA #1	211169	55049	1	4139 M58	CLM
LINDA #2	211169	55050	1	4139 M58	CLM
LINDA #3	211169	55051	1	4139 M58	CLM
LINDA #4	211169	55052	1	4139 M58	CLM
SAP #4 FR	030971	64570	1	4139 M58	CLM
VE NO15	140266	34961	1	4142 M61	
VE NO16	140266	34962	1	4142 M61	
VE NO17	140266	34963	1	4142 M61	
VE NO18	140266	34964	1	4142 M61	
VE NO19	140266	34965	1	4142 M61	
VE NO20	140266	34966	1	4142 M61	
HAS 4	161068	48028	1	4143 M59	CLM
HAS 6	161068	48029	1	4143 M59	CLM
SAP #1 FR	030971	64567	1	4146 M60	CLM
		TOTAL UNITS	72		TOTAL 5

3.0 DRILL PROGRAM

3.1 OBJECTIVE.

The purpose of this drill program was to test ore projected from the previous drilling and from mineralization in the Granite Lake Pit. The Granite Lake area is highly faulted and drill holes were needed to confirm ore cut-offs across certain faults. The four holes were designed to test projections in different fault blocks.

3.2 RESULTS.

The drill hole locations are shown in Figure 2. The locations were surveyed with an E.D.M. A6A survey instrument. Drill logs are included in the pocket of this report. All copper values reported here and in the logs are for total copper. All molybdenum reported is MoS_2.

Holes 84-01, 84-02, and 84-04 intersected a typical "Mine Phase Quartz Diorite". Hole 84-03 also intersected Mine Phase rocks, but they were richer in chlorite than is normal for this rock type. The normal Mine Phase is a medium grained rock comprised of about 30% dark grey quartz, 20% green chloritized mafics, and 50% light green saussuritized feldspar. "Dark Alteration Zones" mentioned in the drill logs are zones of further alteration in which the epidote content of the saussurite has been re-mobilized out of the dark zones to form clots and veins of epidote near the borders of the dark zones. The feldspar in these dark zones is a grey color and there is often a higher concentration of chlorite and sericite associated with these zones. These dark alteration zones were encountered in all of the drill holes in this drill program along with narrow intersections of quartz-chlorite-sericite shear zones.

Hole 84-01 was collared on the ramp on the north wall of the Granite Lake Pit so no leach cap or oxidation was encountered. The hole was cased to twelve feet and drilled to 251 feet. It was designed to test the northerly extension of ore from the pit and to confirm intersections in earlier drill holes. A zone of mineralization was encountered from 12 feet to 130 feet to give 118 feet of 0.25% copper and 0.013% molybdenite. Copper mineralization was present in the form of chalcopyrite and bornite. The pyrite content was very low, less than 1% by visual estimates.

Hole 84-02 was drilled to confirm an ore cut-off caused by faulting. It was drilled from the 5900 bench on the north wall of the pit and should have intersected 1.00% copper grades in a chlorite shear zone if it were not cut off by a fault proposed to the east. It was cased to 16 feet and drilled to 252 feet and intersected only low grade and waste. Weak limonite alteration was present to 100 feet, controlled by steep fracture systems. This alteration may have occurred since mining ceased in 1977. The ore cut-off has been confirmed with this hole.

Hole 84-33 was drilled south of the pit in a zone bounded on the east by a vertical fault striking 000-degrees, and on the west by a fault striking 28 degrees and dipping 39 degrees to the northwest. The mineralization in this block appears to be controlled by both the normal "Granite Creek System" (090/80 S) and by the west fault (028/39 NW). Mineralization occurs only below this fault and appears to follow the trend of the fault somewhat. The hole was collared at 3925 feet and cased to 35 feet. No leaching or oxidation was intersected. A zone of fairly high pyrite concentration, greater than or equal to 1% by visual estimation, was intersected to 170 feet. From 140 to 380 feet, 240 feet of 0.42% copper and 0.[illegible]% molybdenite was intersected. Some weaker mineralization continued to the bottom of the hole at 507 feet. The only form of copper mineralization seen was chalcopyrite. The hole confirmed mineralization intersected by the 1969 drilling and helped to confirm the geological modelling in this area.

Hole 84-04 was drilled east of the Granite Lake Pit on the east side of the vertical fault mentioned above. This area is badly faulted and the relationship of mineralization intersected in drill holes is questionable. The hole was collared at 3975 feet and cased to 22 feet. A weak limonite zone was intersected to 50 feet. Minor amounts of malachite were seen in this zone. Chalcopyrite, bornite and chalcocite were present throughout the hole and were concentrated enough to form a 100 foot ore zone from 60 to 150 feet grading 0.37% copper and 0.013% molybdenite. This grade is not related to ore in the pit wall as it is separated from it by the vertical fault. It may also be separated from ore indicated to the east of it by earlier drill holes but more drilling is required to substantiate this. This hole was drilled to 300 feet.

3.0. INTERPRETATION.

The highly faulted nature of this ore body has been confirmed by this drill program. We have shown that we must be very careful with our ore projections along the strike of the orebody as this ore may be abruptly cut off by yet another fault.

The presence of bornite in the holes drilled to the north of the pit indicate a low sulphide system, probably indicating that we are near the northern edge of the ore body.

4.0 STATEMENT OF EXPENDITURES

May 1984 Diamond Drilling, Yellow Group

(a) Drilling costs

84-[illegible]1	259' @ $13.50/ft.	$3575.00	
84-[illegible]2	252' @ $13.50/ft.	$3402.00	
84-[illegible]3	507' @ $13.50/ft.	$6844.50	
84-[illegible]4	300' @ $13.50/ft.	$4050.00	

			$17,871.50

(b) Vehicle

4X4 1980 Suburban, May 3, 5-12		
9 days @ $20/day		$ 180.00

(c) Assay Costs

124 Cu - Mo32 assays @ 4.40/assay		$ 545.60

(d) Supplies

Core boxes,		
65 boxes @ $6/box =	$390.00	
Tags, bags, etc. =	40.00	

	$430.00	$ 430.00

(e) Personnel Costs

(1) Core Logging and Supervision
G. Sysouth May 2-3, 10-11
32 hrs @ $31.25 $1,000.00

(2) Core Logging and Interpretation
M. R. Schaumberger May 4-9, 14-17
June 6-7
25 hrs. @ $31.48 $ 787.00

(3) Field Work and Sample Preparation
E. Oliver May 1, 3-16
June 7
88 hrs @ 20.00 $1,760.00

$3,547.00 $3,547.00

TOTAL DRILLING COST $22,380.78

5.0 CONCLUSIONS

Because of the faulted nature of the orebody it is necessary to have relatively closer-spaced drilling to test for the continuity of the ore projections. It is recommended that future drill programs decrease the drill spacing to about 200' x 200'.

M. K. Schamberger

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Gerry 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 1965.

3. From 1965 to the present I have been engaged in mining and exploration geology in British Columbia.

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

Gerry D. Bysouth

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Madeline R. Schaumberger, 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 Geological Science in 1978.

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

4. I personally assisted in the logging of the core and the assessment of the results of this drill program.

Madeline R. Schaumberger

Madeline R. Schaumberger

APPENDIX II

ABBREVIATIONS USED IN DRILL LOGS

cal.....calcite

carb.....carbonate

chl.....chlorite

cp.....chalcopyrite

cren.....crenulated

dissem.....disseminated

ep.....epidote

foln.....foliation

grn.....grained

lim.....limonite

mal.....malachite

mag.....magnetite

py.....pyrite

qsp.....quartz-sericite-py

qtz.....quartz

rx.....rock

ser.....sericite

str.....strong

stkwk.....stockwork

wk.....weak

wt. qd.....white Quartz Diorite
= Leucocratic Phase

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-01
SHEET No. 1 of 5

LOCATION: GRLK Pit - Ramp	BEARING: —	LATITUDE: 46,719.09 N	CORE SIZE: NQ wire line	LOGGED BY: M.RS	
DATE COLLARED: May 3, 1984	LENGTH: 250'	DEPARTURE: 53,567.09 E	SCALE OF LOG: 1" = 10'	DATE: May 4 - 8, 1984	
DATE COMPLETED: May 4, 1984	DIP: -90°	ELEVATION: 3,802.53	REMARKS:		

BOTTOM DEPTHS: LEACH CAP —; LIM. ZONE —; SUPERGENE —

Rock Types & Alteration	∠ to Core Foliation	Veins ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Remarks	Footage	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Estimated Grade
Cased to 12'.														
12 - 32' Grey, moderately sheared Mine Phase QD. -Qtz ~ 30%, chl ~ 10%	85° Mod to Str.	3x60° 70° x 2 10° 20 x 2 45° x 4	1/8 x 3 1/4 + 1/16 1/20 hlex2 1/8 + hlex3	qtz - carb. qtz - chl - carb - <cp> - <mo> qtz - chl - carb - py - cp. qtz - chl - cp qtz - chl - <cp> x 4	.1%	cp appears to be very fine grained - dissem. along hle fractures	12 17	36%	18%	16751	.34 (.006) ox	.018		.17% ?
fsp ~ 60% - altered to a greenish gray.	70° Wk to Mod	45° 5° 70° 10° 45° 30° 10° x 5	1/8 1/20 1/2 1/4 1/16 1/8 hle x 5	qtz - chl - ser - carb - cp qtz - chl - carb - cp qtz - carb - mo - <cp> qtz - carb - cp - vuggy qtz - chl - cp. qtz - chl - ser - cp qtz - chl - cp x 5	0%	Less dissem. cp from 25-30'	27	60%	53%	16752	.27 (.003) ox	.006		.10%
32 - 38' Qtz - Chl - Ser shear - grey to greenish grey 38 - 65	80° str.	20 x 3 30 50° 70° 70 x 5 80 x 2 60 x 2	1/8 + (hlex2) 1/8 1/16 1/4 hle x 5 1/20 x 2 1/20 x 2	qtz - ser - chl - cp x 3 qtz - carb - <cp> - chl. qtz - ser - carb - py - <cp> <mo> (faulted) qtz - ser - carb - cp. qtz - ser - cp x 5 qtz - ser - carb - py x 2 qtz - ser - cp x 2	.2%		33½ 38	85% 89%	45%	16753	.22 (.003) ox	.007	3770.2	.10%
Mine Phase QD - Grey to greenish grey	5° - 6° Wk to Md.	45 x 4 50° 5 x 3 20° 5° 10° 10°	1/20 x 4 1/20 hle x 3 1/20 1/16 1/8	qtz - chl - carb - cp x 4 qtz - ser - carb - chl - cp qtz - chl - cp x 3 qtz - carb - chl - cp qtz - carb - <mo> qtz - chl - carb - cp qtz - carb	0%		42 45	90% 87% 90%	68%	16754	.27 (.004) ox	.025		.12%

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-01
SHEET No. 2 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation / Alteration	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Remarks	Footage	Estimated Core Recovery %	R Q D	Sample Number	% Cu	% Mo		Estimated Grade
	~30° WK.	60	5° 20 x 4 15° 25° 20 x 2 30 x 2 25°	1/16 hle x 4 1/16 1/8 1/20 x 2 hle x 2 3/8	qtz - carb - chl - (cp) - (mo) qtz - chl - cp x 4 qtz - chl - carb - (cp) qtz - chl - carb - cp qtz - chl - carb - cp - born. qtz - chl - carb - cp x 2 qtz - carb - chl - (cp) - (mo)	0%		51 55 59	78% 90%	42% (60)	46755	.32	.010		.11%
65 – 90 Lt green Saus., Q.D. - Mine Phase	N.D. to 30° WK	70	30° 20° 30 x 2 30° 6° 60° 20° 50°	1/4 1/16 hle x 2 1/2 1/4 1½ hle 1/8	qtz - chl - cp - carb qtz - chl - cp - born. qtz - chl - cp x 2 qtz - chl - cp - (mo) qtz - chl - carb - vuggy - (cp) qtz - carb - chl (wt. qtz) qtz - chl - carb - cp - born? qtz - chl - carb - cp	0%	cp. blotches 65 - 68'	65	83% 98%	72% (70)	46756	.19	.010		.13%
(Minor darker zones)	30° WK.	80	20° 60 20° 10° x 2 45 x 2 30 x 2 80° 70° + 80°	1/20 1/2 1/4 1/20 x 2 1/20 x 2 1/20 x 2 1/8 1/2 x 2	qtz - chl - cp - (cp) qtz carb - chl - vuggy qtz - chl - mag. - (cp) qtz - chl - cp. qtz - chl - cp - cp qtz - ep - chl - cp x 2 qtz - chl - cp qtz - chl - (cp) - (born) x 2	0%		73 80	70%	65% (80)	46757	.20	.008		.11%
	30° WK. to N.D.	90	30° 70° 10° 40° 60 45 60° + 30°	1/4 1/8 hle 1/4 1/20 1/16 1/8 x 2	qtz - chl - cp. - (born). qtz - chl - cp qtz - chl - cp qtz - chl - sn - cp qtz - chl - cp qtz - chl - cp - mo qtz - chl - cp - born.	0%	badly broken - poor rec. " " " "	89½	96%	64% (90)	46758	.29	.010	.325	.22%
90 – 156' Mainly Dark Alt Phase with narrow bands of Saus. Alt'd Q.D. Were dark [illegible] close together.	60° WK	100	60° 15° 15° 20° 50 + 10° 60 x 3 70 x 3	hle 1 1 1/2 hle x 2 1/20 x 3 1/8 x 3	qtz - chl - cp qtz - chl - mag - cp - carb qtz - chl - (cp) - (mo) - carb qtz - chl - cp carb qtz - chl - cp x 3 qtz - chl - carb - cp x 3	0 %		94	22% 68%	15%	46759	.31	.016		.32%
	70° V. WK.	110	70 80° 50° 60° 60° 5° + 20°	3/4 hle 1/8 1/8 1/2 3" 1/20 x 2	qtz - chl - (mo) - (cp) qtz - chl - cp qtz - chl - cp qtz - chl - px - (cp) qtz 107.5 - 109.5 poss. fault qtz - chl	.3%	Broken core Broken ag ton, poor rec. Pos. fault	101 107	80% 87%	18% (110)	46760	.18	.012		.25%

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 89-01
SHEET No. 3 of 5

ROCK TYPES & ALTERATION			∠ to Core Foliation	GRAPHIC LOG Foliation, Alteration, Fracture, Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Blocks	Estimated Core Recovery %	P.O.D	ASSAY RESULTS: Sample Number	% Cu	% Mo		Estimated Grade
			30°-60° V. WK.	120	60 80 80 x 2 10° 80 x 2 80 x 2 10°	1/8 1/8 1/4 x 2 1/2 1/16 + 1/8 1/4 x 2 1/2	gtz - chl - carb gtz - chl - cp> - mo> gtz - chl - carb - py gg gtz - chl - cp x 2 gtz - chl - cp - mo> x 2 gtz - chl - cp - py	0 10 20 30 40 50 60 70 80 90	1%		113	88%	69%	46761	.15	.020		.16%
			N.D.	130	10° 5° 15° x 2 30° 70° 10 x 2 40 x 2	1/8 1/8 1/8 + 1/16 1/16 1/8 1/4 + 1/8 1/2 x 2	gtz - chl - cp - carb - mo> gtz - chl - cp - carb gtz - chl - py - cp x 2 gtz - chl - cp - py gg w carb. gtz - chl - py - cp x 2 gtz - chl - cp x mo> - carb	0 10 20 30 40 50 60 70 80 90	1%		123 127	92% 86%	68% 120	46762	.24	.014	.23 3680	.10%
			60° WK.	140	30° 10° 60° 45° 30° 80 x 2 40 x 2	1/8 1/16 1/4 1/4 1/4 1/16 x 2 1/16 x 2	gtz - chl - carb - cp gtz - chl - carb gtz - chl - carb - cp> gtz - chl - cp> - cp> - <born> - mo gtz - chl - carb - py - mo gtz - chl - cp x 2 gtz - chl - cp x 2	0 10 20 30 40 50 60 70 80 90	.3%		133 137½	96% 86%	60% 140	46763	.11	.010		.13%
			N.D.	150	45° 20° x 2 10° 7° 60° 60 40	1/4 1/8 x 2 1/4 1/2 1/20 nle 1/2	gtz - chl - py> gtz - chl - cp gtz - chl - cp - mo gtz - chl - cp - mo gtz - chl - py - cp gtz - chl - carb - py gtz - chl - carb - cp	0 10 20 30 40 50 60 70 80 90	.3%	141½-145½ - Ep blotches Gouge fractures in places.	141 145½ 149	71% 80%	20% 150	46764	.16	.016		.22%
	156 - 206 Sauss. Alt'd. QD Mine Phase		N.D.	160	60° 5° x 3 15°	1/16 hle x 3 2½ 1/2	gtz - chl - cp carb gg X 3 Gg + broken core gtz - chl.	0 10 20 30 40 50 60 70 80 90	0%	Poor Rec. Less ore structure visible below fault	156 161½	21% 63%	0% 160	46765	.08	.006		.07%
			60° WK	170	20° 30° 70° 60° 50 0°	1/20 1/8 1/16 3 1/2 hle	gtz - chl - cp gtz - carb - cp - cp> gtz - chl - cp - mo Bk zone - gtz - chl - cp - mo gtz - mag - chl. carb gg - chl>	0 10 20 30 40 50 60 70 80 90	.3%		169½	88%	33% 170	46766	.20	.014		.18%

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-01
SHEET No. 1 of 5

ROCK TYPES & ALTERATION			L to Core Foliation	GRAPHIC LOG: Foliation, Alteration, Footage, Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE	REMARKS	Footage Blocks	Estimated Core Recovery %	R Q D	ASSAY RESULTS: Sample Number	% Cu	% Mo		Estimated Grade
			60° Mod	180	70° 60x2 45 40x2 30x2 60x2 45°	1/16 1/32x3 1/16 1/20 x2 1/32 x2 1/4 + 1/16 1/16	qtz-carb qtz-chl-cp x3 qtz-chl-carb qtz-chl-carb-py x2 qtz-carb x2 qtz-carb x2 Carb gg		.3%		gash structure filled w/ qtz-chl-carb-cp	177	80%	18%	46767	.19	.012	.19 3635	.08%
			70° VVK to Mod	180	45° 10x2 45° 60° 45 45°	1/4 blle x2 1/16 1/4 1/20 1/4	qtz-chl-cp-carb-cp-py carb gg-hem x2 qtz-chl-cp qtz-chl-(cp)-(py) qtz-chl-(py)-cp-(born) qtz-carb.		.3%			185	80%	30%	46768	.13	.006		.13%
			70° VVK	200	45° 60° 10 6° 45 6° 60°	1/2 blle 1/20 1/8 1/16 1/20 blle	qtz-chl-carb-cp-py carb gg-hem qtz-chl-cp qtz-carb. qtz-chl-cp qtz-chl-cp carb-gg-hem		3%			193½ 197	50% 20%	5%	46769	.17	.004		.09%
	206-250 A grey to green, somewhat sericitic Q.D.		70° V.VK	210	45 30 70° 60x2 30° 30° 10	1/2 1/20 1 1/20 x2 1/16 1/2 blle	qtz-carb qtz-chl-carb-py qtz-cp-carb qtz-chl-carb-cp x2 qtz-chl-mo-cp qtz-chl-py-carb-cp. qtz-chl-carb-cp		.5%			205 210	87% 80%	22%	46770	.23	.024		.11%
	w/ zones & blotches of epidote		N.P	220	20° 30° 45 x3 30° 30 x2 60 26	1/4 blle 1/20 x3 3 1/8 x2 1/16 1/20	qtz-carb-chl qtz-chl-(cp) qtz-chl-cp x 3 qtz-carb-chl-(cp)-mo qtz-chl-cp-py x2 qtz-chl-cp qtz-chl-cp		0%	Ep. Zone		218½	82%	50%	46771	16	.023	.17 3590	.18%
			N.D	230	10° 5° to 20° 70° x2 10° 30 60°	1/8 blle x2 1/16 x2 1/16 1/20 1/2	qtz-carb-(cp) carb-hem x2 qtz-chl-carb-cpx2 carb-qtz-cp qtz-chl-carb-cp qtz-chl-carb-cp-mo		0%	Badly broken		227	91%	18%	46772	.13	.014		.11%

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-01
SHEET No. 5 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Graphic Log: Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	Fracture Angle to Core Axis -Frequency-	Estimated % Pyrite	Bottom Depths (Leach Cap / Lim. Zone / Supergene) Remarks	Footage Dist.	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Estimated Grade
	N.D	240	folded 55 45° 10° 60 45° 25°	4" 1/20 1/16 1/2 2 1/8 1/2	qtz-chl-ser zone w cp? qtz-chl-cp qtz-carb-chl-cp?? qtz-chl-carb-cp qtz-carb-chl?-cp? qtz-carb-cp? qtz-ep-chl-carb-cp-mt		0%	Badly broken core ? Ep Zone	234 238	80% 80%	12% 240	46773	.24	.020		.19%
	N.D.	250	5° 10 20 50°	hle hle 1/16 1/16	carb-hem carb qtz-carb-P qtz-chl-carb-cp?		0%	Badly broken Ep zone core.	245 250	40% 18%	0% 250	46774	.15	.021	.17	.11%
E.O.H. @ 250'																

M.R. Schauenberger

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-2
SHEET No. 1 of 5

LOCATION GRANITE LAKE
DATE COLLARED May 5, 1984
DATE COMPLETED May 6, 1984
BEARING —
LENGTH 252'
DIP -90°
LATITUDE 46,826.96 N
DEPARTURE 52,586.66 E
ELEVATION 3,906.20
CORE SIZE N.Q.W.
SCALE OF LOG 1" = 10'
LOGGED BY G.D.B
DATE May 6, 1984
REMARKS very low pyrite - chalcopyrite appears very fine grained

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	GRAPHIC LOG: Footage	GRAPHIC LOG: Sketches	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS / REMARKS	Footage Blocks	Estimated Core Recovery %	ROD	ASSAY RESULTS: Sample Number	% Cu	% Mo		Estimated Grade
Casing To 10'			10							LEACH CAP — LIM. ZONE 100'± SUPERGENE —								
MINE PHASE QUARTZ DIORITE Sous Alt'n	NO.		20		70 70 + 30 - 50-60	1/10 1/4 + 1/10 1/30 ±	qtz-chl-py qtz-chl-(mal) ± qtz-py ±		<.5 %	* limonite is very weak and appears to be controlled by steep fract. systems.	10 15 19	80 95	40	46776	.19 .09 0x.	006		.10
(10' - 252')	N.D		30		60 45 ± ? 5 ±	1/4 1/8 ± 3" 1/10 ±	qtz qtz-chl (vug) qtz qtz-chl (vugs) ±		<.5 %	* very fine grn cp. occurs throughout this hole in qtz-chl veins - most of the cp. blebs are barely visible without magnif.	25 30	85 90	20	46777	.14 .07 0x.	.008		.05
	N.D		40		20 40 + 45 ? 50 + 45	1/10 1/10 ± 1/8 1/100 ±	qtz-chl (mall) qtz-chl ± qtz-carb (cp) (vug) qtz-chl ±		<.5 %		34½	95	23	46778	.17 .03 0x.	.016		.10
	35 yds		50		45-50 ± 0-5 ±	1/4 - 1/10 ± 1/100 ±	qtz-chl-mag ± chl ±		<.5 %		45 48	90 95	33	46779	.13 .01 0x	.008	3860 ppb	.05

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-2
SHEET No. 2 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS (LEACH CAP / LIM. ZONE / SUPERGENE) REMARKS	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Calculated Grade
	35 WK	60	5 ox 3 5 20 x 4	Y₁₀₀ x 3 Y₂₀ blebs x 4	qtz (vug) x 3 qq qq x 4		<.5%		55	95 100	3 10	46780	.29 .02 .0x	.014		.05
	35 WK	70	20+40+20 x 2 45 60 45 90 20 60	blebs x 4 Y₁₀ Y₁₀ Y₈ Y₆ Y₂₀ Y₄	lim-qq x 4 qtz-chl-(py) qtz-chl-(py) qtz-chl qtz-chl qtz-chl-ep qtz		<.5%		62 66	85	7 23	46781	.24 .03 0x	.006		.05
	40 WK	80	35 40 20 x 2 60 5	Y₁₀ Y₄ Y₂₀ + Y₁₀ Y₄ 12"	qtz-py qtz-mag qtz-chl-ep x 2 qtz qq-bx-lim		<.5%		75½	90 80	4 30	46782	.16 .02 0x	.002		.10
	50 WK	90	5 35+5+40 5 x 2 + 20 + 30 x 2 70 5	8" Y₄ + Y₁₀₀ x 2 Y₁₀ x 5 Y₄ Y₂₀ x 4	qq-bx-lim qtz-chl x 3 qtz-chl x 5 qtz-chl-mag qq x 4		<.5%		82 90	90	7	46783	.09 .01 0x	.009	.16 3815′	.05
voggy core + steep gougy frac. and bx rx - some weak lim.	50 WK	100	6 30 x 3 60 x 2 5-30 x 4	hle + Y₄ Y₈ + Y₁₆ + Y₁₀ Y₈ + Y₄ hle-Y₁₀₀ x 4	qq x 2 qtz-chl-(cp) x 2 qtz-chl-mag x 2 qq x 4		<.5%		98	95	7	46784	.14 .04 0x	.010		.00
	50 WK	110	5 60 30 x 2	hle 10" Y₂	lim qtz-ep zone ep-qtz x 2		<.5%		105	90	23	46785	.07 <.01 0x	.004		.05

GRID______

GIBRALTAR MINES LTD.

HOLE No. 84-2
SHEET No. 3 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Graphic Log (Depth)	Veins ∠ to Core Axis	Width of Vein	Mineralization	Fracture Angle to Core Axis - Frequency	Estimated % Pyrite	Bottom Depths: Leach Cap / Lim. Zone / Supergene; Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Calculated Grade
	45 Mod.	120	? ?	9' 12"	zone of highly fractured vuggy rx qtz-ep zone		1.0		113½ 117½	90 50	3	46786	.04	.004		.08
	45 Mod. Str.	130	? 30×2 45×2	3' 1/10×2 1/10×2	highly fractured vuggy rx qtz-chl ×2 qtz-chl ×2		<.5%		122 130	75 90	33	46787	.15	.014		.05
	50 Mod.	140	? 45+60 5×3 5+20 5?	14" 1/10×2 1/10-hle×3 1/2 ×2 6"	qtz-ep zone. qtz-chl ×2 qq ×3 qtz + qtz-chl. qq + bx		<.5%		137	90	23	46788	.14	.002	.10 37/0	.05
very vuggy core	60 Mod.	150	5 45-50×3 50 50 60×2	1/4 1/8-1/10×3 12" 1" 1/10×2	qq qtz-chl, ×3 qtz-chl-ep (py) zone qtz-chl-(cp) qtz-chl-(cp) ×2		<.5%		143 147	80 90	20	33551	.18	026		.10
	30 Wk.	160	45 60 45-60×5 50+45 45 5×2 45	1/8 2" 1/10-1/8×5 1/8+1/4 1/8×3 1/10×2 1/4	qtz qtz-ser-carb-(cp) qtz-chl ×5 qtz (cp) ×2 qtz-chl ×3 qtz-chl-cp ×2 qtz-chl-mag-cp		<.5%		154 159	90 95	37	33552	.15	.010		.18
	50 Wk.	170	60×2 70 50 ? 5×4 45	1/10×2 1/10 1/4 4' 1/10×4 1/10	qtz-chl-py ×2 qtz-chl-cp qtz-(cp) broken qtz-ser-chl zone qtz-chl ×4 qtz-chl		<.5%		163½	95 98	30	33553	.11	.008		.10

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-2
SHEET No. 4 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Bottom Depths (Leach Cap / Lim. Zone / Supergene) Remarks	Footage Blocks	Estimated Core Recovery %	R Q D	Sample Number	% Cu	% Mo		Calculated Grade
	45 wk	180	5 70 70x2+60 45x4 30 6x3	12" 2" 1/4+1/10x2 1/8x4 1" 1/4x3	broken vuggy qtz-chl-cp-qq zone qtz qtz-chl x 2 qtz-chl x 4 qtz-chl (cp) qtz-cp-chl-qq	<.5		170 1/2 178	85 70	17	33554	.13	.008	.14 3725	.12
Core approaches a dk. altn zone	45 Mag?	190	? 60? 5 45x2+20 60	3' h/s 1/4 1/4x3 1/4	highly broken zone cp qtz-chl-cp-qq qtz-chl-cp-qq (cp) x 2 qtz-chl.	<.5		181 187	90 95	10	33555	.07	.004		.14
	ND	200	60x5+30+45 45 x2 45x4 70x3 5+45x2	1/10x7 1/20x2 1/4x4 1/20+1/4+1/10x3 1/8+1/10x2	qtz-chl-(cp) x 7 qtz-chl-cp x 2 qtz-chl-(cp) x 4 qtz-cp + qtz-mag + qtz-chl (cp) x 3 qtz-chl-qq + qtz-chl-cp x 2	<.5		192 1/2 197	95 80	40	33556	.21	.010		.20
Poss. Fault Zone	ND- to 60 str.	210	? 60 55	4' 3' 8"	qtz-mag bx. (qq) zone qtz-chl-(cp) ((cp))(mag) qtz-chl (cp)-mag zone	<.5		203 207	90 98	20	33557	.26	.016		.25
		220	45 45x2+60 50-35x6 50	1/8 1/10x2 1/20x6 1/4	qtz-mag- qtz-chl-(cp) x 2 qtz-chl-(cp) x 6 qtz-chl-(cp)((Mo))	<.5		214	95	23	33558	.19	.010		.20
	ND	230	70 ? 50 60 70	1" 8" 1/2 1/2 1/4	qtz-mag qq qtz-chl-(vug) qtz-chl (vug) qtz-chl (vug)	<.5		221 227	95 90	20	33559	.14	Tr.	.18 3686	.05

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-2
SHEET No. 5 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Alteration / Footage / Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS – FREQUENCY –	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Blocks	Estimated Core Recovery %	P.O.D.	ASSAY RESULTS: Sample Number	% Cu	% Mo		Estimated Grade
	N.D.	240	60 20 70 – 40 x 5 20 x 5 10	1" ¼ ⅛ – ⅛ x 5 ¼ x 3 ¼	qtz - chl - ep qtz - chl - py qtz (chl) x 5 qtz - (chl.) x 3 qtz		4.5		232½ 237½	85	27	33560	.06	.002		.05
	N.D.	250	5 + 50 70 40	⅛ + 1/10 ¼ 1"	qtz - chl x 2 qtz qtz - carb		4.5		246	90 90	43	33561	.10	.004	.09	.05
E.O.H. 252' D.L. Bysouth			5	1/10	qtz - chl.				252							

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-3
SHEET No. 1 of 9

LOCATION GRANITE LAKE | BEARING — | LATITUDE 45,239.03 N | CORE SIZE N.Q.W. | LOGGED BY G.D.B
DATE COLLARED May 7, 1984 | LENGTH 507' | DEPARTURE 53,739.18 E | SCALE OF LOG 1" = 10' | DATE May 10, 1984
DATE COMPLETED May 10, 1984 | DIP -90° | ELEVATION 3,926.12 | REMARKS numerous small step faults

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Foliation, Alteration, Footage, Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Discon.	Estimated Core Recovery %	R Q D	ASSAY RESULTS: Sample Number	% Cu	% Mo		Estimated Grade
Casing to 35'									35							
MINE PHASE QUARTZ DIORITE	60	40	50-60 x 6 45 60 x5 45 x2	1/20-1/10 x6 4° 1/8-1/10 x5 1/10 x2	qtz-chl-py x6 qtz-carb-ser-py-mag qtz-ser-chl-py x5 qtz-chl-py x2		2.0%	no visible limonite	38	95		46801	.07 <.01 ox	.002		.10
30% chl. 25% qtz 40% sauss plag. med. grn. sauss. alt'n phase	60 Mod-Str.	50	50 80 80 x2 55 x3 40 45 55 65	1/4" 1/20 1" x2 1" x3 1/4 2" 3" ±4°	qtz-chl-mag-cp zone qtz-chl-cp qtz-carb-(ser)-py(cp) x2 qtz-ser-carb-py(cp) x2 qtz-chl-cp qtz-ser-py qtz-ser-chl-py(cp) qtz-chl-ser-mag-py(cp)		3.0%		45½	98	37	46802	.22 <.01 ox	.002		.25
(35' - 143')	50 Mod	60	45 45 50 x2 70+80 70 60	12" x2 10" 1/8 1" x2 1/10 x2 2" 2"	qtz-ser-py x2 qtz-ser-py (cp) qtz-chl-cp qtz-ser-py qtz-chl-py x2 qtz-ser-py qtz-ser-py(cp)		1.0%		53 57	55 80	3	46803	.18 <.01 ox	.014		.20
	60 Mod-Str.	70	60 x 3 45 60 x 2 60	1" + 1/10 x 7 1" 1/4 x2 6'	qtz-ser-py x 8 qtz-ser-carb-py qtz-carb-py qtz-chl-ser (carb)-cp-(mag)-py (cp) zone		1.5		66½	85	13	46804	.19 <.01 ox	.006	.17 3860	.15
	60	80	60 x 7 60 x 2 70 x 2 + 50 60 x 10 70 x 2 60 x 3 70 x 2	1/10 x 7 1/4 + 1/4 1/8 x 3 + 1/10 1/4 - 1/10 x 10 1/2 1/8 x 2 1/4 x 2	qtz-chl-carb-py (cp) x 7 qtz-ser-carb-py (cp) x 2 qtz-ser-carb-py (cp) x 8 qtz-ser-carb-py (cp) x 10 qtz-ser-carb-py (cp) x 2 qtz-ser-py (cp) x 3 qtz-ser-py (cp) x 2		5%		77	95 95	10 33	46805	.18 <.01 ox	.010		.30

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-3
SHEET No. 2 of 9

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Calculated Grade
	50 Mod-str	90	50 50 30 x 2 45 80 80 x 8 45 x 3 45-60 x 7	2" 6" 2" x 2 3" 2" 1/10 x 8 1" + 1/4 x 2 1/20 - 1/10 x 7	qtz-chl-py (cp) zone qtz-chl-py-mag zone qtz-chl-(py) x 2 qtz-chl-py-zone qq. qtz-chl-py x 8 qtz-chl-py x 2 qtz-(chl)-ser-py x 7	0 10 20 30 40 50 60 70 80 90	3.5%		83	95	40	46806	.19 <.01 Ox.	.010		.15
dark alt'n zone	60 Mod	100	60 x 5 70 x 3 70 x 2 + 55 x 2 20? 60 45 70 x 2	1/8 - 1/4 x 5 1/4 x 3 1/10 + 1/8 x 2 + 1/4 1/2 1/4 1/10 1/10 + 1/8	qtz-chl-ser-py x 5 qtz-chl-carb-py x 2 qtz-carb (py) x 4 qtz-chl-carb-py (cp) qtz-(chl)-py qtz-(chl)-py qtz-(ser)-py	0 10 20 30 40 50 60 70 80 90	2.0		92 97	98	37	46807	.08 <.01 Ox.	.008		.12
	50 Mod	110	60 x 3 45 50 + 60 + 70 x 2 45 + 50 x 3 45 x 2 45-50 x 6	1/10 x 3 1/10 1/8 - 1/4 x 4 1/10 x 3 1/10 x 2 1/2 + 1/4 x 2 + 1/8 x 4	qtz-chl-py x 3 qtz-chl-py qtz-ser-py x 4 qtz-(chl)-py x 3 qtz-(chl)-py x 2 qtz-chl-ser-py (cp) x 6	0 10 20 30 40 50 60 70 80 90	2.0		103	100 95	37	46808	.05 <.01 Ox.	.010		.10
	60 wk	120	60 x 3 30 60 x 4 55 x 4 45 x 3 60 x 2	1/10 x 3 1/2 x 4 1/2 x 4 1/10 x 3 1/10 x 2	qtz-ser-py x 3 qtz-ser-py qtz-ser-py x 4 qtz-ser-py x 4 qtz-ser-py x 3 qtz-carb x –	0 10 20 30 40 50 60 70 80 90	2.0		110½ 117	98	60	46809	.07 <.01 Ox.	.013	.2 3815	.10
	60 wk	130	50 80 50 60 60 x 3	1/4 1/2 1/10 2" 1/8 x 3	qtz-ser-py qtz-ser-py qtz-ser-py qtz-ser-py qtz-ser-py x 3	0 10 20 30 40 50 60 70 80 90	1.5		121 127½	90 95	50	46810	.10 <.01 Ox.	.010		.10
131			55	2½"	qtz-chl (py)											
FAULT ZONE 131–143	60?	140	?	12'	qq-bx and lost core (about 3' total qq.)	0 10 20 30 40 50 60 70 80 90	1.0		133 138	90 60	0	46811	.11 <.01 Ox.	.010		.10

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-3
SHEET No. 3 of 9

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Fractures	Structures	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Distance	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample number	% Cu	% Mo		Estimated Grade
143'																		
CRUSHED & SHEARED ZONE 144	70 str.				60°	6'	a qtz-ser-chl-(py) zone or series of zones sheared and crossed by fault.		1.0		147	80	10	46812	.18 <.01 Ox.	.020		.12
			150															
MINE PHASE DARK ALT'n ZONE (149-171)	70 wk		160		70	~20'	finely dissem. py(cp) along foln planes		1.0		157	90	13	46813	.24 <.01 ox.	.027	.15 3770	.10
	70 Mod.		170						1.0	tube not locked	167 170½	50 90	7	46814	.44 <.01 ox.	.028		.10
171				60	⅛	qtz-chl (cp)												
MINE PHASE SAUS. ALT'n PHASE (171 - 507')	80 wk		180	50 80 35	4" ⅛ ⅛	qtz-chl-cp qtz-chl-cp qtz-py-cp			.5			90	50	46815	.59 <.01 ox.	.050		.35
	80 wk		190	70 x 3 70 80	1/10-⅛ x 3 12" 1" 1/10	qtz-chl-cp x 3 qq-bx qtz-chl-carb (py)(cp) chl-(Mo)			.5		181 186	80	13	46816	.38 <.01 ox.	.022		.18
	80 wk		200	? ? 70 x 2 80 + 70 + 80 x 3	24° 12° ¼ x 2 ½ + ¼ x 2 ¼ x 2	bx (qq) bx (qq) qtz-chl (py) (cp) qtz-chl (py) (cp) x 7 qtz-chl-cp x 2			.5		195 199	60 70	13	46817	.24 <.01 ox.	.026		.20

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-3
SHEET No. 4 of 9

BOTTOM DEPTHS: LEACH CAP | LIM. ZONE | SUPERGENE

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Foliation, Alteration, Fractures, Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS - FREQUENCY -	ESTIMATED % PYRITE	REMARKS	Footage Blocks	Corrected Core Recovery %	R Q D	ASSAY RESULTS: Sample number	% Cu	% Mo		Calculated Grade
	80 Mod.	210	5° 70 80 x 12	6' ¼ ¼₀-¼₁₀ x 12	bx (qq) prob a small steep fault qtz-chl-cp qtz-chl-cp x 12		.5		204	70 60	20	46818	.22 <.01 0x	.032	.10 3225	.20
FAULT ZONE	80 WK	220	5° 70 45; 80 80 x 2 ?	15" 8" ½₀+½₁₀ ½₀ x 2 7'	qq-bx-hem qtz-carb-Mo-qq qtz-chl-py-cp x 2 qtz-chl-(cp) x 2 qq-bx (hem) ~ 2-3' solid qq.		1.0		212 217	80	17	46819	.45 <.01 0x	.038		.20
	80 WK	230	50 x 3 45 + 25 50 50 45	½₀ x 3 ⅛ x 3 ¼ ⅛ ¼	qtz-chl-cp x 3 qtz-chl-(cp) x 2 qtz-py (cp) qtz-(cp) qtz-chl-cp		.5		223	90 95	23	46820	.32 <.01 0x	.030		.25
?		240	60 45 + 60 x 2 80 x 2 50 x 2 80 x 3 20 40?	½₀ ½₀ x 3 ½" + 3" 1" + 2" ½₀ x 3 1½ ½	qtz-chl-cp x 2 qtz-chl-cp x 3 qtz-carb-(cp) ((Mo)) x 2 qtz-carb-chl-cp x 2 qtz-chl-cp x 3 qtz-carb-cp qtz-carb-cp		.5		231 237	90	10	46821	.64 .01 0x.	.040		.40
?		250	50 45 30 ? 45	⅛₀ 16" 8" 24" 1" 3'	qtz-chl-cp qtz-(cp)-chl-(mag)-cp zone qtz-chl-cp zone qq-bx qtz-chl-cp broken core		.5		247	95	30	46822	.52 .01 0x.	.024	.15 3680	.50
?		260	5 5 80 x 2 ? ? 45 + 60 + 2 + 55 60	3" 12" ⅛₀ x 3 3" ¼ + ⅛₀ x 3 + ⅛ 2"	¼" qtz-cp (Mo) vein with 2-3" qtz-chl-cp halo qq-bx qtz-chl-cp x 2 bx qtz-cp-py vein qtz-chl-cp x 4 + qtz-cp (Mo) qtz-cp		.5		256	98	13	46823	1.07 .01 .0x	.040		.30

GRID______

GIBRALTAR MINES LTD.

HOLE No. 84-5
SHEET No. 5 of 9

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY- (0–90)	ESTIMATED % PYRITE	BOTTOM DEPTHS / LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Blocks	Estimated Core Recovery %	R Q D	Sample Number	% Cu	% Mo		Calculated Grade
	80 wk	270	90 60x2 20 45+85	1/10 1/2x2 1/2 1/4+1/2	qtz-chl-cp qtz-chl x 2 qq-chl qtz-chl-cp x2		.5		262 267	90 90	17	46824	.24 <.01 ox	.016		.18
	80 wk	280	 60x2 45+55 60x6	20" 12" 1/8+1/10x2 1/10+1/8 1/10x6	qq-bx-hem qq-hem qtz-chl-cp x2 qtz-chl-cp x2 qtz-chl-cp-py x6		.5		276	85	13	46825	.34 .01	.026		.15
	80? wk	290	5 5	1" 7'	qq-hem (steep 1" fault + bx walls bx core + minor hem and qq.		?		285	90 75	0	33526	.43 .01 ox	.010		?
	80? wk.	300	? ? ? 45 5	12" 3' 10" 3' 12" 1"	qq-bx bx-core qtz-cp-Mo qtz-ser-carb-cp qtz-(ser)-(Mo)(cp) qtz ((cp))		.5?		291	80	3	33527	.72 .01 ox	.126	.54 3635	.35
	ND	310	50 45x2 45+50 70+45x2 40-45x5 70 5	10" 1/8x2 1/10x2 1/10x3 1/2+1/8x3+1/10 1/8 16"	qtz-ser-cp-qq qtz-chl-cp x2 qtz-chl-cp x2 qtz-chl-cp x3 qtz-chl-cp x5 qtz-chl-cp qq-bx-hem		<0.5		300 1/2 307	90	40	33528	.43 .01 ox	.030		.30
small fault.	N.D.	320	30+20+70x2 5 40 45 50?	1/10x4 3' 1/8 1/8 3'	qtz-chl-cp x4 qq-bx-hem qtz-py qtz-chl-(cp) qq (8")-bx		<.5		314 1/2 317	90 50	7	33529	.29 .01 ox.	.012		.20

GRID _____ GIBRALTAR MINES LTD. HOLE No. 84-8
SHEET No. 6 of 9

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Formation, Alteration, Footage, Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS – FREQUENCY –	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP, LIM. ZONE, SUPERGENE; REMARKS	Footage Blocks	Estimated Core Recovery %	R Q D	ASSAY RESULTS: Sample number	% Cu	% Mo		Estimated Grade
host rx appears slightly higher in qt3 30-35% more "compact" and finer grn	ND	330	45 x 5 " 5 30	12" 1/10 x 5 1/2 1/4 1/8	broken + ground core qt3-chl-cp x5 qt3-cp qt3-cp broken core qt3-chl (cp)	0 10 20 30 40 50 60 70 80 90	<.5		326	80	0	33530	.51 .01 ox.	.026		.35
	ND	348	45-50 x 3 40 + 45 x 2 40 x 3 5 30+45	1/10 x 5 1/4 + 1" - 1/2 1/10 x 3 1/10 1/10 x 2	qt3-chl-(cp) x5 qt3-chl (cp) x 2 qt3-chl-(cp) x 2 qt3-chl-cp qt3-chl-cp x 2	0 10 20 30 40 50 60 70 80 90	<.5		336	90	37	33531	.52 .01 ox.	.008	.47 3570	.25
	ND	250	45 x2 + 60+20 35 x2 60 45 45-50 x 5 70	1/4 x 3 + 1/10 1/10 x 2 1/8 1/8 1/10 x 5 3"	qt3-chl-cp x 4 qt3-chl-py x 2 qt3 qt qt3-chl (cpy) x 5 qts (chl) (vug)	0 10 20 30 40 50 60 70 80 90	.5		346	90 95	50	33537	.27 .01 ox.	.088		.15
	ND	360	35 + 70 45 30 40 x 3 80 50?	1/10 x 2 4" 1/10 1/4 x 2 1/8 1/4"	qt3-chl-cp x 2 qt3 (chl) - cp ((No)) qt3-chl-cp qt3-chl-cp x 3 qt3-mag. qt3-chl-cp 3ans	0 10 20 30 40 50 60 70 80 90	<.5		350½ 359	95	27	33533	.44 .01 ox.	.018		.30
	ND	370	30 50 60 45 5 70?	1" 12" 2" 1/4 4' 3"	qt3-cp qt3-mag (Mo) (cp) qt3-mag (cp) qt3-chl-cp (qq)-bx-hem qt3-cp	0 10 20 30 40 50 60 70 80 90	<.5		361½ 369	90 50	7	33534	.39 .01 ox	.020		.25
	ND	380	45 60 ? 60	1/10 1/16 x 2 7' 1"	qt3-carb-cp qt3-chl-py-cp x 2 broken core and lost core (~4')-minor hem-qq. qt3-chl-vug.	0 10 20 30 40 50 60 70 80 90	<.5		375 380	60 65	10	33535	.18	.004		.15

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-3
SHEET No. 7 of 4

BOTTOM DEPTHS
LEACH CAP
LIM. ZONE
SUPERGENE
REMARKS

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG Foliation Alteration Fractures Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS FREQUENCY	ESTIMATED % PYRITE	Footage Drilled	Estimated Core Recovery %	P.O.D	ASSAY RESULTS Sample number	% Cu	% Mo		Estimated Grade
	N.D	390	30 4m x 3 45 x 2 45-30 x 4 30 30	1/8 1/10 x 3 1/2 1/10 x 4 1/10 36"	qtz qtz-chlpy x 3 qtz-py qtz-chl-py x 4 qtz-chl-py qtz-chl-py zone		1.0	387	90	50	33536	.12	.009	30 3595	.12
	N.D	400	45 x 3 60 45 45°	1/8 x 2 + 1/10 16" 15" 30" 1/8 10"	qtz-chl-py (cp) x 3 qtz-chl-cp (ep)(py) zone broken core qtz-ep-chl zone qtz-chl-cp qq		1.0	393½ 400	95 85	7	33537	.16	.006		20
	N.D	410	" 30 " 20 40 x 2 30 45 45-35 x 4	1/2 1/4 8" 1" 1/10 x 2 3" 1" 1/8 - 1/10 x 4	qtz-chl-cp qtz-ser-py qtz-ep zone qtz-chl-cp qtz-chl-cp x 2 qtz-mag-cp qtz-chl-cp qtz-chl-cp x 4		1.0	407	90	47	33538	.24	.012		.35
	N.D	420	45 30 x 3 30 x 2 30 40 x 2 35	1" 1/10 x 3 3/4 + 1/2 3" 1/10 x 2 1/10	qtz-chl (py) qtz-chl-py x 3 qtz-chl-py-cp x 2 qtz-chl-carb-py qtz-chl-py x 2 qtz-chl-cp		2.0	415	100	67	33539	.20	.008		.12
Small fault.	N.D	430	? 80 40 20 30	4' 2½" 1/2 1/4 1/2	(qq)-bx (<6" qq) qtz qtz (Jaggy) qtz-mag qtz-mag		<5	420½ 426½	90 90	17	33540	.17	.012	.18 3590	.10
Several gradations to a med.-gr= leucocratic zone		440	80 35 x 20 15 x 2 30° 70 45	3" 1/4 x 2 1/4 x 2 12" 1/10 6"	qtz-(chl) (vug) qtz-chl qtz-chl-cp v2 qtz-ep-chl-zone qtz-py qq-bx		<5	435 440	95 85	43	33541	.09	.004		.12

GRID _____ GIBRALTAR MINES LTD. HOLE No. 84-3
SHEET No. 8 of 9

BOTTOM DEPTHS: LEACH CAP | LIM. ZONE | SUPERGENE | REMARKS

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG: Alteration, Fracture, Stockwork	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	Footage Blocks	Estimated Core Recovery %	R Q D	ASSAY RESULTS: Sample Number	% Cu	% Mo		Calculated Grade
	ND	450	0 20 30	3' 6" 12" 24"	Qtz-bx qtz Qtz-bx qtz-chl-cp		<.5	444½	90 90	10	33542	.22	.008		.15
	ND	460	15 1 Fract	½ ½ ½ inch	qtz qtz qtz-cpx		<.5	452 458	85	20	33543	.13	.006		.10
	ND	470	45 5 ∠∠	½ ½ inch	qtz-chl-cp hem-qq ∠∠	broken & ground core	<.5	467 470	80 50	7	33544	.19	.009		.10
numerous "clots" and irregular zones of leucocratic and Granite Mtn phase-type material from 470 to	ND	480	45 45 x 4 20 10 5 5 5	1" ½-¼ x 4 1" ¼ ⅛ ⅛ ½ inch	qtz-chl (vug) qtz-chl-cp x 4 qtz-py qtz-chl-cp qtz-(cp) (vug) qtz-chl-cp qtz-chl-cp		.5	474½ 479½	55 95	33	33545	.29	.059	.17 .245	.30
EOH — possibly getting near Granite Mtn Phase Contact		490	12 35 45 20 ± 15 80 80	½ 24" 2" ½ inch 2" ½	qtz-py-cp qtz-chl-cp zone qtz-(cp) qtz-chl-cp x 2 qtz qtz-cp		<.5	485 489	90 100	37	33546	.34	.036		.20
		500	45 40 45°	14" ½ inch 3'	qtz-chl-cp-mag qtz-chl (vug) qtz-chl-cp zone		<.5	497	95 98	23	33547	.23	.012		.15

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 81-3
SHEET No. 9 of 9

ROCK TYPES & ALTERATION	∠ to Core Foliation	GRAPHIC LOG	Veins ∠ to Core Axis	Width of Vein	Mineralization	FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS: LEACH CAP / LIM. ZONE / SUPERGENE / REMARKS	Footage Blocks	Estimated Core Recovery %	R Q D	Sample Number	% Cu	% Mo		Estimated Grade
			45	1/8	qtz-chl-py				501							
			30	2 1/4'	(qq)-bx											
			60	1/4	qtz-(cp)(Mo)		<.5		505	85	23	33548	.29	.009		.12
				3'	qq-bx											
EOH 507'									507	60					.27	

L.D. Bysouth

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84 04
SHEET No. 1 of 5

LOCATION: GRLK-E. Wall - Cuisson Pt	BEARING: 0°	LATITUDE: 46,497.91 N	CORE SIZE: N.Q. Wireline
DATE COLLARED: May 10, 1984	LENGTH: 300'	DEPARTURE: 54,435.21 E	SCALE OF LOG: 1" = 10'
DATE COMPLETED: May 12, 1984	DIP: -90°	ELEVATION: 3975.40	REMARKS:
LOGGED BY: M.R.S.	DATE: May 14-15, 1984		

Depth (ft)	ROCK TYPES & ALTERATION	∠ to Core Foliation	Veins ∠ to Core Axis	Width of Vein	Mineralization	Fracture Angle to Core Axis - Frequency	Estimated % Pyrite	Bottom Depths: Leach Cap —; Lim. Zone 50' (WK); Supergene —; Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Estimated Grade
0–22	Cased to 22'															
22–30	22-78' Mine Phase QD. Sauc Alt^d/w/minor zones of dark alt^n	N.O.	46 50 60° 30 x3	½ ½ ⅛ hle x3	Some cored boulders qtz-chl-ep?-py-cp-(born) qtz-chl-ser-cp-(born) qtz-chl-ser-cp-(born) qtz-chl-py-lim x3	Vuggy	2%	Weak Lim. to 50'. Badly broken core to 52'. Some ep-rich veins	22 24 27	50% 80%	10%	33562	.26 .03 ox	.015	3950	.17%
30–40		N.D	5° 30 70° 5° 20° 5°	hle hle ½ 1/20 hle 1/20	qtz-chl-cp-py-lim qtz-chl-py-(lim) qtz-chl-vugs qtz-chl-py-cp-small-(lim) qtz-chl-py qtz-chl-(cp)		1%		36	40%	8%	33563	.09 .02 ox	.002		.09%
40–50		N.D	60 50° 5° 30 30° 10°	½ ⅛ hle ¼ ⅛ 1/20	gg-qtz-chl-lim gg qtz-chl-(cp) qtz-chl-cp-py-(cp)-((born)) qtz-chl-py qtz-chl-py-(cp)-((born))		1½%		46	20% 33%	3%	33564	.10 .01 ox	.002		.12%
50–60		N.D.	30° 10 30 x2 40° 10° 20°	hle 1 ½+1/16 1/20 ⅛ 1/16	qtz-chl-py-(cp) gg qtz-chl-vugs-py-cp (cp)! qtz-chl-py qtz-chl-py qtz-chl-py (cp) ((born))		2%	— may be born. Ep present in veins.	52 56	85%	58%	33565	.15 .02 ox	.002		.11%

GRID ______

GIBRALTAR MINES LTD.

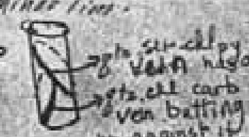
HOLE No. 84-04
SHEET No. 2 of 5

Depth	ROCK TYPES & ALTERATION	∠ to Core Foliation	Structure ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Remarks	Footage	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Estimated Grade
60–70		ND	5° 30° 20° 10°+30° 30° 30x2 25	1/16 1/16 1/20 1/8x2 1/8 1/16x2 1/2	qtz-chl-py-<cp>-lim qtz-chl-ser-cp qtz-chl-py-<cp> qtz-cp-born-chl x2 qtz-chl-cp-<born>-Vuggy qtz-chl-py-<cp> x2 qtz-chl-cp-py-<cp>	.8%		65 68½	89% 94%	93%	33566	.30 .04 ox	.012	.17 3905	.17%
70–80		N.D.	30 25 40° 20x3 30° 5°x2	1/2 1/20 2 1/20x3 1/2 1/4 + 1/20	qtz-chl-<cp>-<cp> qtz-chl-cp Wt f.gr qtz rock - Wt QD zone - <cp> - <born> qtz-ser-cp x3 qtz-ser-py-chl qtz-chl-ser-py-cp x2	1%		77	90%	64%	33567	.25 .04 ox	.020		.19%
80–90	78-100 Qtz-Ser-Chl-Shear zone - weak to str. shearing - contains many large white mineralized qtz veins	45° St.	? 30x3 30 30 Broken qtz 5° 30	~2" 1/20x2 1/2 1/4 lens? 2" 1 2	Wt QD qtz-ser-py-cp x3 qtz-ser-cp-<py>-<born> qtz-ser-cp qtz-<ser-py-<cp>-<mo> qtz-ser-cp-<carbon> qtz-ser-cp-cc-mo-py	.8%		85 89	46% 47%	20%	33568	.88 .04 ox	.026		.30%
90–100		45° 31 45° to 60° Ultramafic	15 10° 5° 30 60 30 35x2	1/20 1/4 1/20 3 1/20 3/4 1/20x2	qtz-chl-ser-py-cp-born-<mal> qtz-chl-ser-cp-born-mo Wt QD - f.gr qtz rock qtz-py qtz-<chl>-<cp>-<bn> qtz-ser-chl-py-<cp> x2	.8%	} Very Vuggy	94 99	50% 98%	38%	33569	.29 .04 ox	.040		.25
100–110	100 - 142' Mine Phase Q.D. - Sauc alt - a few narrow zones of sericitic st. sheared rx.	N.D.	20° 15 30 5° 20x2 30 x2 25	1/4 1½ 1/4 1/16 1/8 1/16 + 1/20 1/8	qtz-ser-chl-py Wt QD - f.gr qtz rock qtz-ser-chl-py chl-qq-lim qtz-chl-ser-py x2 qtz-ser-chl-py-<cp> x2 qtz-ser-chl-py-<cp>-<cp>	2%		105 108½	65% 80%	50%	33570	.13 .04 ox	.006		.16%
110–120		N.D.	25 45 50 10° 45° + 70° 30, 70°	1/4 1/8 8 1/2 2 x2 1/4x2	qtz-ser-chl-cp-cc qtz-ser-chl-py-<cp> Qtz-ser zone w <chl-py> qtz-chl-cp-py qtz-ser-chl-cp zone-py-cp qtz-chl-cp-mo x2	3%	Minor lim.	116½	78%	53%	33571	.31 .04 ox	.006	.38 3860	.24%

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-04
SHEET No. 3 of 5

Rock Types & Alteration	∠ to Core Foliation	Graphic Log (Footage)	Vein ∠ to Core Axis	Width of Vein	Mineralization	Fracture Angle to Core Axis - Frequency -	Estimated % Pyrite	Bottom Depths (Leach Cap / Lim. Zone / Supergene) Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Calculated Grade
	N.D.	130	15° 5° 5° 30°x2 70 5°x2 10 30x2	1/4 h/c 1/2 1/100x2 1/4 h/c x2 1/20 1/2	qtz-ser-cp-cc-lim-mo qtz-chl-ser-py-<cp> qtz-chl-ser-cp-<mo> qtz-chl-py x2 qtz-chl-ser-py-cp-cc lim x2 qtz-chl-<cp>-<lim qtz-chl-<lim> x2		2%	Minor Lim.	127	85%	40%	33572	.55 .04 oy	.004		.22%
	O.D.	140	45 5° 30x2 30x4 20° 5° 40	1/2 1/16 1/16x2 1/8x4 1/4 1 h/c	qtz-ser-chl-py-<cp> qtz-chl-py qtz-chl-py-cp x2 qtz-chl-ser-py-cp x4 qtz-ser-chl-py-lim qg-2 lim qtz-chl-py-<cp>	mo	1½%	Minor Lim.	130 133 137	67% 75%	27%	33573	.19 .04 oy	.006		.18%
142 – 165 Dark Alt'n – Very little saus left - a few ϕ veins near the top. A darker green to grey rock - varying amounts of sericite.	20° wk 10 N.D.	150	5° 45° 30x2 45° 6° 60x5 70	1" 6" 1/16x2 1/4 1/8 1/20x5 1	qg-lim. qtz-chl-ser-py-cp-cc-<native cu>-lim qtz-chl-py x2 qtz-chl-ser-py qtz-chl-ser-py-<<cp>>-lim qtz-chl-ser-py-<<cp>> x5 qtz-ser-py	cu-lim	2%	Minor Lim.	140 143½ 148	90% 89%	43%	33574	.57 .04 oy	.006		.13%
	N.D.	160	45° 30° 30° 30° 60x3 30 5°	1/8 1/20 1/8 1/8 h/c x3 1/8 h/c	qtz-ser-py-cp-cc-born, qtz-ser-py-cp-born-lim qtz-ser-py-lim qtz-ser-py-chl-py qtz-chl-carb-py x3 qtz-ser-chl-cp lim		3%	Mod. Lim.	150 154 157½	71% 68%	6%	33575	.25 .04 oy	.002	.38 3815	.15%
165 – 189 Less altered than above - some zones of	N.D.	170	30 + 10x2 10° 30 25° 30° 30x4	1/100x2 1/16 1/20 1/4 6 h/c x4	qtz-chl-ser-py-cp x3 qtz-chl-carb qtz-ser-chl-py qtz-ser-chl-py-cp qtz-ser-carb-py qtz-chl-ser-py x4		3%	Minor lim. 	160 162	95% 95%	60%	33576	.08 .04 oy	.002		.10%
saus alt'n w/ visible larger grains	N.D.	180	20° 50 10° 30° 30 30°	1/16 1/20 1/24 1/2 1/8 10	qtz-chl-ser-carb-py-lim qtz-chl-cp-vugs qtz-chl-py-lim-mo qtz-chl-ser-py-mo-carb, qtz-ser-chl-py Zone of qtz-chl-ser carb w/ <py>-<<cc>>		5	Mod. Lim.	169 170 176	83% 68%	30%	33577	.27 .04 oy	.010		.08%

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-01
SHEET No. 1 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Veins ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Remarks
	N.D		30°	h/a	qtz-chl-cp	3%	Mod. lim
			20 x 3	1/8 x 3	qtz-chl-py-vugs-lim		
			30 x 15	hle x 15	qtz-chl ser-py-cp x 15		
			45°	1/4	qtz-ser-carb-py-lim,		
			30 x 2	hle x 2	qtz-ser chl-py lim x 2		
189-261		190	45°	1/4	qtz-ser-chl-py-cp		Ep veins
Sass. Alt Q.D w/ minor bands of altered material as above	ND.		30 x 3	1/16 x 3	qtz-chl-py-lim-cp	2½%	Mod lim
			50	1/2	qtz-chl-carb (lim stain)		
			40	1½"	qtz-ser (chl)-py-(mag)		
			30	1/2	qtz-epidote w/qtz-chl-py vn.		
			30 x 3	1/16 x 3	qtz-ser-chl-py x 3		
		200	30°	1/2	qtz-chl-py-lim		Ep. veins
	ND		30 x 3 + 5°	1/20 x 4	qtz-chl-py x 4	1%	Minor lim.
			60	1	qtz-chl-cp-mag-py-cc		
			20 x 2	hle x 2	qtz-chl-ser-cp-py x 2		
			25	1/8	qtz-chl-cp		
			30°	1/16	qtz-chl-py		
		210	15°	1½"	qtz-ser-chl-py-cp-shear		
	N.D		30°	1/20	qtz-chl-py	1%	Minor lim
			30	3	qtz chl-mag-cp-py		
			10° x 5	1/20 x 5	qtz-chl-ser-py-cp x 5		
			20 x 2	1/16 x 2	qtz-chl-py-(lim)		
			60	1/4	qtz-carb (lim)		
		220	20 x 2	1/20 x 2	qtz-chl-ser-py x 2		
223-224 is a qtz-ser-(chl)-py Shear Zone.	60°		50	1/2	qtz-ser-(chl)-py-(cp)	3%	Mod Lim.
	ND		70 x 2	1/16 x 2	qtz-chl-ser-cp x 2		
			60	1"	qtz-ser-(chl)-py-(cp) (carb) -(lim)		
			50	1/20	qtz-chl-py-lim		
			5° x 5	hle x 5	lim x 5		
			30	1/4	qtz-carb-py		
		230	60	1	qtz-mag-py-(cp)		
231-232 - wk Q.D? qtz-ser. rx	ND		30	1/4	qtz-chl-ser-cp.	1%	V. Minor lim,
			70°	1/4	qtz chl-ser-cp		
			60°	1/4	broken rubble-(py)		
			50	1/4	qtz-chl-carb-((cp))		
			30 + 60	1/20 x 2	qtz-chl-py x 2		
		240	60	1/16	qtz-chl-py		

Footage Drilled	Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo		Calculated Grade
180½ – 186	77%	56%	33578	.14 .04 ox	.002		.09%
186 – 192	83%						
192 – 197	97%	68%	33579	.18 .04 ox	.002		.07%
197 – 204½	92%					.17	
204½ – 215	87%	87%	33580	.18	.008	3770	.20%
215 – 222	97%	75%	33581	.26	.016		.25
222 – 227	83%	30%	33582	.22	.014		.16%
227 – 234	63%						
234 – 239½	87%	38%	33583	.20	.026		.13%

GRID ______

GIBRALTAR MINES LTD.

HOLE No. 84-04
SHEET No. 5 of 5

ROCK TYPES & ALTERATION	∠ to Core Foliation	Footage	Structure ∠ to Core Axis	Width of Vein	Mineralization	Estimated % Pyrite	Bottom Depths / Remarks
	NP		60°	1/20	qtz-chl-py-cp	1%	
			70°	h/e	qtz-chl-cp-py-cp-lim		
			30° x2	h/e x2	qtz-chl-cp-py ? 2		
			30° x2	1/20 x2	qtz-chl-py-cp x2		
			50°	1/8	qtz-chl-py-cp-lim-[illegible]		
		250	30°	1/4	qtz-chl-py-cp		
	NO		70+20	1/20 x2	qtz-chl-cp x2	1%	
			30 x 3	h/e x3	qtz-chl-py-<cp> x3		
			30 x2	1/20 + 1/4	qtz-chl-cp-py x2		
			20°	1/16	qtz-chl-py-<cp>		
			70° + 60	1/16 x2	qtz-ser-chl-cp x2		
		260	30	1/16	qtz-chl-carb-py		
261 - 275 DK. Alt^n Phase - no Saus.	60-70°		30 x2	1/16 + 1/8	qtz-chl-carb-py <cp> x2	7%	
			70 x2	1½" + 1"	qtz-ser-cp-py-<carb> x2		
	V.		30	1/8	qtz-chl-<cp>		
	WK.		70 x2	1/20 x2	qtz-chl-cp x2		
			60	1/16	qtz-chl-carb-cp		
			60	3	qtz-carb		
			30	1/4	qtz-chl-carb-cp		
		270	15°	1/8	qtz-chl-carb-cp-py		
			70°	10"	Wt QD Zone - qtz-ser [illegible]		Minor Lim.
			60°				
			70 x2	h/e x2	qtz-chl-carb.		
275 - 299 Saus Alt'd Mine Phase Q.D.	75 V WK		45	1/16	qtz-chl-cp-py x2	.9%	
			60°	1/16	qtz-chl-carb-cp		
			50	1/4	qtz-chl-carb-cp		
					qtz-carb-cp-py-lim		
		280	60 + 15°	1/2 + 1/5	qtz-chl-py x2		
	60		45	1	qtz-chl-carb-py-cp-mo	.8%	Minor Lim.
	V.		45	h/e	qtz-chl-py		
	WK.		30°	1/16	qtz-chl-py-lim		
			10°	1/4	qtz-chl-ser-cp-py-vugs		
			30°	4 or more	White Q.D		
		290	45	1/4	qtz-chl		
	60-70 V Wk		60	1/8	qtz-chl	1%	
			60	1/20	qtz-chl-py		
			70	1/16	qtz-chl-<cp>		
			70	1/20	qtz-chl-cp-mo		
			50°	1/4	qtz-chl-cp-py-<cp>		
299-300 Qtz-Ser Zone	60 Str	300	60°	2"	qtz-ser-[illegible]-py-<cp>		

E.O.H. @ 300'

Footage Blocks	Core Recovery %	R.Q.D.	Sample Number	% Cu	% Mo	Estimated Grade
247	96%	64%	33684	.17	.004	.13%
252	92%					
257	100%	88%	33685	.16	.006	.16%
266½	94%	73%	33586	.14	.008	.24%
273	84%					
277	75%	50%	33587	.31	.020	.11%
282	72%					
287	96%	75%	33588	.07	.006	.10%
296	90%	45%	33589	.17	.014	.16%
300	80%					

M.R. Schaumberger

PLANT SITE

No. 2 Dump

No. 3 Dump

TAR EAST ULTIMATE PIT

POLLYANNA ULTIMATE PIT

No. 5 Dump

GRANITE LAKE ULTIMATE PIT

No. 6 Dump

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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FIGURE 2

YELLOW GROUP
MINERAL CLAIMS
GIBRALTAR MINES LIMITED
JUNE 20, 1984 SCALE=1:12000

0 1 2 3 4
FEET X 1000
0 500 1000 1500
METRES

200 SCALE

GRANITE-LAKE DDH'S AS OF JUN 83

FIGURE 3: DRILL HOLE LOCATION MAP

MINERAL CLAIMS
GIBRALTAR MINES LTD
08-JUN-84 SCALE=1:2400

0 250 500 750 1000 FEET
0 75 150 225 300 METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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PLS DELIVER TO LIBRARY THUN AT GIBRALTAR