

87-420 -15945

DIAMOND DRILL REPORT

ON THE

RED GROUP

Cariboo Mining Division

93 B 8 & 9

(Latitude 52 30', Longitude 122 17')

OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

McLEESE LAKE, B.C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,945

Author: M. R. Thon

Submitted: July 13, 1987

FILMED

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1 INTRODUCTION

The Red Group of mineral claims is part of the Gibraltar Mines Limited permanent property. It is accessed via the mine access road and mine haul roads. It lies due south of the plant site and extends in a southerly direction. The general location is shown in Figure 1.

This group encompasses the southern part of the Pollyanna ore body, the western part of the Granite Lake ore body, and the southeast corner of the Gibraltar East ore body. It shares a common history with the adjacent purple group.

The early history of this claim area is somewhat sketchy. It was first described as the Rainbow Group in 1918. A 1925 B.C. Ministry of Mines Report states that "T. H. Jackson holds or held 40 claims in this region either under option or in virtue of ownership by himself and associates."

In 1925 the area was staked by the Hill's brothers as the Pollyanna claims. A 60-foot wide shear system in "granodiorite", showing malachite and azurite mineralization, was exposed by a series of open cuts. An eight foot deep trench exposed a quartz vein 15 feet wide striking N 60-degrees W (magnetic). A grab sample from the dump of this material assayed: gold - trace, silver - trace, copper - 3.5%. Copper mineralization was in the form of azurite, malachite, and chalcopyrite.

The 1928 report indicates five claims being held by F. Conway, Mrs. Conway, T. Thompson, H. B. Hill and H. F. Hill. The shear system was expanded to a 75-foot width and given a strike and dip of 55-degrees W (magnetic) 45-degrees NE. A trench 15 feet deep and 20 feet long was dug to expose a quartz vein 15-feet wide with a flat dip to the northeast. Mineralization consisted of azurite, malachite and chalcopyrite. A vertical shaft was sunk to a depth of 33 feet. Copper stains and chalcopyrite were visible above the level of water in the shaft and the top three feet showed 2.00% copper, but no gold or silver. Minor cuprite was noted.

In 1949 the claims were relocated by C. E. Johnson and R. R. Moffat as the Copper King claims. Copper mineralization was reported in irregularly placed quartz lenses between shear planes oriented at N 30-degrees W/45-degrees E and on noses of folds in a 170-foot wide zone of sheared "granodiorite".

The 1950 report states that three shafts had been sunk previously, running along a north-south line. These were 25 feet apart. The northern most one was 10 feet deep and showed no mineralization. The middle shaft showed good mineralization and in 1949 was drained and mined. Half a ton of ore averaging 10.5% copper was shipped to Tacoma, Washington. A grab sample from their dump assayed: gold - nil, silver - 0.1 oz. per ton, copper - 3.3%. The southern-most shaft was filled with water but dump material showed malachite staining.

In 1949 an attempt was made at trenching thirty feet north of the north shaft to cross-cut the shear zone. This, however was abandoned because the overburden was too deep.

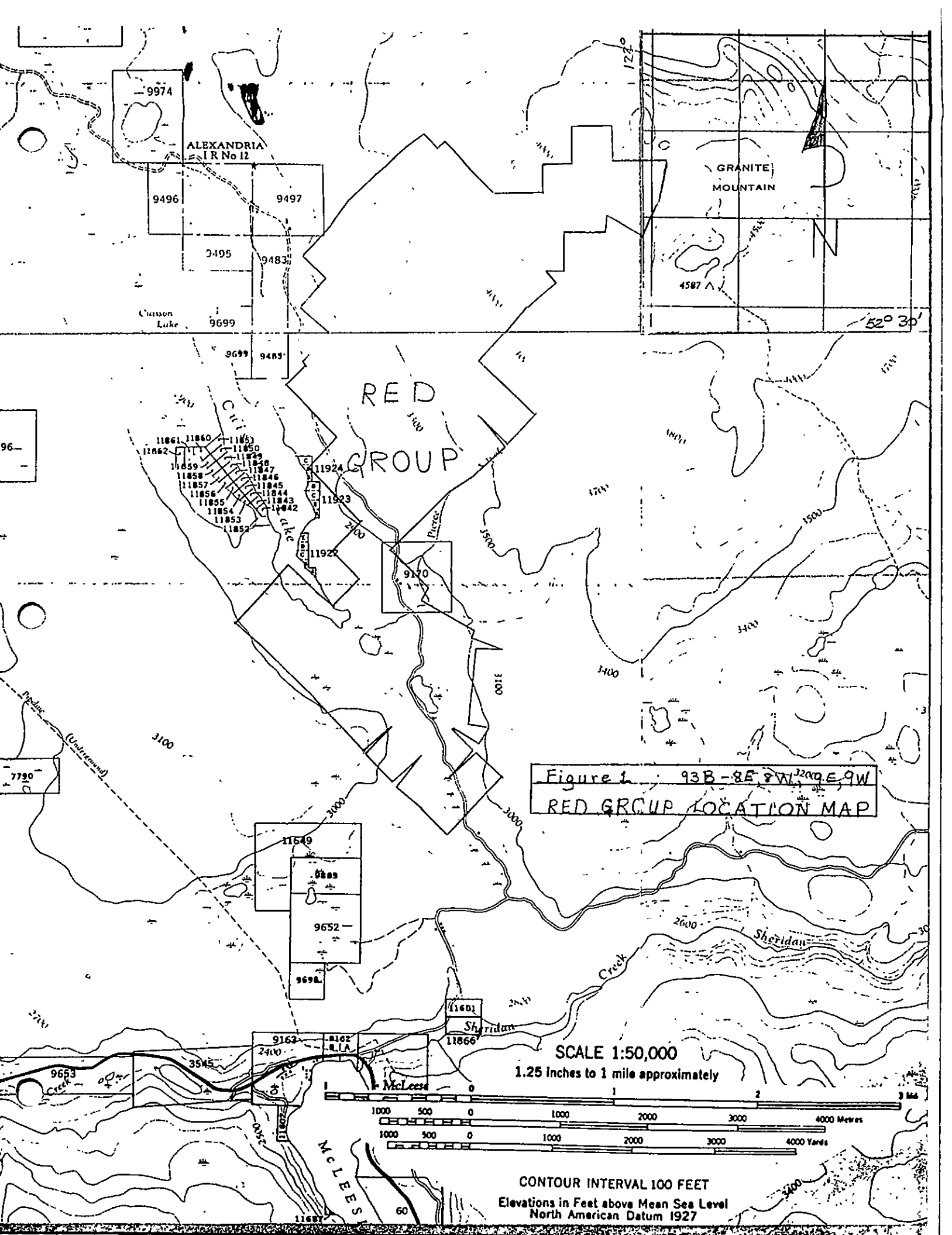
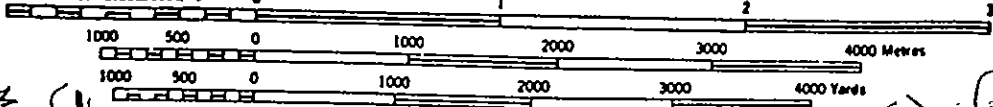


Figure 1 93B-8E 8W 3200E 9W
RED GROUP LOCATION MAP

SCALE 1:50,000
1.25 inches to 1 mile approximately



CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927

In 1950 they sank a 28-foot shaft 120 feet south of the most southerly shaft. It exposed a light malachite staining on sheared "granodiorite" and a small amount of crushed barren quartz. A grab sample from the dump assayed: gold - trace, silver - nil, copper - 0.3%.

From 1954 to 1956 the claims were restaked as the Pollyanna claims by Kimaclo Mines Ltd. They reported the same orientation for the shear system and expanded its width to 230 feet. Mineralization in the form of malachite-azurite-chalcopyrite and traces of cuprite occurs in small and irregular quartz veins which run approximately parallel to the shearing. Another grab sample from the Copper King dump mentioned above assayed 0.6% copper.

Kimaclo Mines Ltd. allowed their claims to lapse and the property was staked by Mr. Robert Glen in early 1963. Keevil Mining Co. held an option on this property in 1963 during which time they performed geochemical and induced polarization surveys and drilled two holes. In 1964, Duval Corporation optioned the property from R. Glen and partially defined 10 to 30 million tons of low grade copper mineralization.

In 1967 the area was restaked as the GG claims by Canex Aerial Exploration Ltd. and Duval Corporation. They describe the mineralization differently, giving it an orientation of N 35-degrees W/50 to 70-degrees SW. They describe the system as a central vein zone, two to five feet thick, flanked by quartz-muscovite schist grading into a foliated quartz diorite. Streaks and bands of pyrite and chalcopyrite exist in the shear zone.

Stripping of overburden exposed 30 feet of schist and 30 feet of bleached, schistose quartz diorite. A hand trench 100 feet northeast of the stripping exposed rubble of vein quartz and quartz-muscovite schist. The Copper King shaft was covered by the bulldozing.

The 1969 report gives the reserves as 61,000,000 tons at 0.36% copper. 44,105 feet of N.Q. diamond drilling was done in 81 holes and 200 feet of 5 7/8" diameter rotary drilling was done in two holes.

In 1970 a topo-mapping survey was completed. Stripping was done to clear the millsite and 32 diamond drill holes, totalling 13,783' were drilled. Four underground diamond drill holes, totalling 1,174', were drilled on the GG claims.

By 1971 the Canex Aerial claims were transferred to Gibraltar Mines Limited. Recent drilling has been reported in assessment reports done on the Red Group.

1987 drilling on this group was carried out by Frontier Drilling Limited of 670 Ruston Road, Kelowna, B. C. during the period May 1 to May 7, 1987. Three angle N.Q. wireline diamond drill holes were completed for a total of 1,945' (592.84 m.). Core was not split. The whole core was sent to the assay lab for analysis. The ground core is stored at the Gibraltar Mines plant site for a period of one year.

2 MINERAL CLAIMS

The Red Claim Group has mineral leases grouped with mineral claims. Particulars of each claim are listed below. All claims are part of the Gibraltar Mines Limited permanent property. Mineral claim locations are shown in Figure 2 (in pocket).

| RED | | GROUP MINERAL CLAIMS | | | |
|----------|---|----------------------|--------|-------|---------|
| ===== | | RECORDED | RECORD | UNITS | MINERAL |
| NAME | | DDMMYY | NUMBER | | LEASE |
| AL # 5 | | 020764 | 28451 | 1 | |
| AL # 7 | | 020764 | 28453 | 1 | |
| AL # 8 | | 020764 | 28454 | 1 | |
| AL # 9 | | 020764 | 28455 | 1 | |
| AL #10 | | 020764 | 28456 | 1 | |
| AL #11 | | 020764 | 28457 | 1 | |
| AL #12 | | 020764 | 28458 | 1 | |
| EV # 9 | | 191065 | 31062 | 1 | |
| EV #10 | | 191065 | 31063 | 1 | |
| EV #11 | | 191065 | 31064 | 1 | |
| EV #12 | | 191065 | 31065 | 1 | |
| EV #13 | | 191065 | 31066 | 1 | |
| EV #14 | | 191065 | 31067 | 1 | |
| EV #15 | | 170166 | 31739 | 1 | |
| EV #16 | | 170166 | 31740 | 1 | |
| EV #18 | | 170166 | 31742 | 1 | |
| EV #20 | | 170166 | 31744 | 1 | |
| FLO #2 | F | 030867 | 43173 | 1 | |
| FLO #3 | R | 290867 | 43289 | 1 | |
| FLO #4 | R | 290867 | 43290 | 1 | |
| STU #1 | F | 180769 | 52928 | 1 | |
| STU #2 | R | 180769 | 52929 | 1 | |
| STU #3 | R | 180769 | 52930 | 1 | |
| STU #4 | R | 180769 | 52931 | 1 | |
| STU #6 | R | 120869 | 53211 | 1 | |
| VAL #35 | | 120869 | 53212 | 1 | |
| VAL #36 | | 120869 | 53213 | 1 | |
| VAL #37 | | 180769 | 52917 | 1 | |
| VAL #38 | | 120869 | 53214 | 1 | |
| VAL #39 | | 180769 | 52918 | 1 | |
| VAL #40 | | 120869 | 53215 | 1 | |
| VAL #41 | | 180769 | 52919 | 1 | |
| VAL #42 | | 120869 | 53216 | 1 | |
| VAL #43 | | 180769 | 52920 | 1 | |
| VAL #44 | | 120869 | 53217 | 1 | |
| VAL #45 | | 180769 | 52921 | 1 | |
| VAL #46 | | 120869 | 53218 | 1 | |
| VAL #47 | | 180769 | 52922 | 1 | |
| VAL #48 | | 120869 | 53219 | 1 | |
| VAL #49 | | 180769 | 52923 | 1 | |
| VAL #50 | | 120869 | 53220 | 1 | |
| VAL NO 3 | | 180366 | 33851 | 1 | |
| VAL NO 5 | | 180366 | 33853 | 1 | |
| VAL NO 6 | | 180366 | 33854 | 1 | |
| VAL NO 7 | | 180366 | 33855 | 1 | |
| VAL NO 8 | | 180366 | 33856 | 1 | |
| VAL NO 9 | | 180366 | 33857 | 1 | |
| VAL NO10 | | 180366 | 33858 | 1 | |
| VAL NO11 | | 180366 | 33859 | 1 | |
| VAL NO12 | | 180366 | 33860 | 1 | |

RED GROUP MINERAL CLAIMS

=====

| NAME | RECORDED DDMMYY | RECORD NUMBER | UNITS | MINERAL LEASE |
|-----------------|--------------------|------------------|-------|------------------|
| VAL NO14 | 1803 | 366 | 33862 | |
| Z #2FR | 0303 | 366 | 34969 | |
| ZEPHYR # # 2 | 0901 | 622 | 25575 | 36001 M39 |
| ZEPHYR # # 24 | 0901 | 622 | 25577 | 36001 M39 |
| ZEPHYR # # 3 | 0901 | 622 | 25579 | 36001 M39 |
| ZEPHYR # # 33 | 0901 | 622 | 25581 | 36001 M39 |
| ZEPHYR # # 33 | 0901 | 622 | 25582 | 36002 M40 |
| ZEPHYR # # 10 | 0901 | 622 | 25583 | 36002 M40 |
| ZEPHYR # # 11 | 0901 | 622 | 25584 | 36002 M40 |
| ZEPHYR # # 12 | 0901 | 622 | 25585 | 36002 M40 |
| ZEPHYR # # 13 | 0901 | 622 | 25586 | 36002 M40 |
| ZEPHYR # # 13FR | 0901 | 622 | 25586 | 36002 M40 |
| GGG #9 | 2810 | 64 | 29241 | 36003 M41 |
| GGG #10 | 2810 | 64 | 29242 | 36003 M41 |
| GGG #15 | 2810 | 64 | 29247 | 36003 M41 |
| GGG #17 | 2810 | 64 | 29249 | 36003 M41 |
| GGG #18 | 2810 | 64 | 29250 | 36003 M41 |
| GGG #29 | 2810 | 64 | 29261 | 36003 M41 |
| GGG #50 | 2810 | 64 | 29262 | 36003 M41 |
| GGG #51 | 2810 | 64 | 29263 | 36003 M41 |
| GGG #52 | 2810 | 64 | 29264 | 36003 M41 |
| GGG 19 | 0806 | 67 | 42812 | 36003 M41 |
| GIB #9 | 0806 | 67 | 42812 | 36003 M41 |
| HTP #14FR | 0901 | 622 | 25588 | 36003 M41 |
| ZEPHYR #15 | 0901 | 622 | 25589 | 36003 M41 |
| AL #15 | 0207 | 64 | 28461 | 36003 M41 |
| AL #17 | 0207 | 64 | 28463 | 36003 M41 |
| AL #18 | 0207 | 64 | 28464 | 36003 M41 |
| AL #19 | 0207 | 64 | 28465 | 36003 M41 |
| AL #20 | 0207 | 64 | 28466 | 36003 M41 |
| AL #21 | 0207 | 64 | 28467 | 36003 M41 |
| EST NO1 FR | 2005 | 71 | 62399 | 36003 M41 |
| EST NO2 FR | 2005 | 71 | 62400 | 36003 M41 |
| EST NO4 FR | 2005 | 71 | 62402 | 36003 M41 |
| ZEPHYR #14 | 0901 | 622 | 25587 | 36003 M41 |
| ZEPHYR #16 | 0901 | 622 | 25589 | 36003 M41 |
| AL #13 | 0207 | 64 | 28459 | 4147 M62 |
| AL #14 | 0207 | 64 | 28460 | 4147 M62 |
| AL #16 | 0207 | 64 | 28462 | 4147 M62 |
| AL #22 | 0207 | 64 | 28468 | 4147 M62 |
| EV #5 | 1910 | 65 | 31058 | 4147 M62 |
| EV #6 | 1910 | 65 | 31059 | 4147 M62 |
| EV #7 | 1910 | 65 | 31060 | 4147 M62 |
| EV #8 | 1910 | 65 | 31061 | 4147 M62 |
| XAIRE #1 | 2307 | 62 | 26004 | 4148 M63 |
| XAIRE #2 | 2307 | 62 | 26005 | 4148 M63 |
| PAN NO2 | 0405 | 62 | 25792 | 4149 M64 |

TOTAL UNITS 97

3 DRILL PROGRAM

3.1 Objectives

The purpose of this drill program was to test the validity of ore projections from the Stage 1 pit. The ore was being projected along a 310-degree strike with a 30-degree dip.

3.2 Results

The drill hole locations are shown in Figure 3. The locations were surveyed with a plane table. Drill logs are included in the pocket of this report. All copper values reported here are for total copper. The logs report total copper and, in some cases, oxide copper (included malachite and azurite), and chalcocite. All molybdenum reported is MoS_2 .

Core is sampled in 10-foot (3.048m.) sections, crushed and passed through a Jones Splitter. The product is pulverized to minus 100 mesh and rolled. A 1/2 gram sample is weighed out and digested in a mixture of Potassium Chlorate, Nitric Acid, and Sulphuric Acid for a period of 30 minutes. Following digestion, each sample is bulked to 10% HCl and assayed in a Perkin Elmer 3030 Atomic Absorption Spectrophotometer.

The Pollyanna ore body lies generally within the "Mine Phase Quartz Diorite. It typically consists of about 30% to 35% quartz, 45% to 50% light green, saussuritized feldspar, and about 20% green chloritized mafics. This rock often shows some degree of segregation and alteration ranging from lighter zones of weaker saussurite alteration and darker zones of higher chloritic concentration to sericitic and chloritic shearing. Grain size is normally medium grained.

The Mine Phase grades to the Granite Mountain Phase Quartz Diorite at depth and to the north and south of the pit area. The Granite Mountain Phase consists of about 40% quartz, 50% saussuritized feldspars, and 10% chloritized mafics. It is generally medium-grained to coarse-grained. The transition zone between Mine Phase and Granite Mountain Phase shows an increase in quartz and contains zones of Leucocratic Phase, high quartz, low chlorite rocks thought to be late stage differentiates of the pluton. They display seriate to porphyritic texture and sometimes contain sericitic shear zones.

Hole 87-15 was collared at 3956.40' (1205.9m.) and drilled at an azimuth of 20-degrees and average dip of 62-degrees. Casing was set to 30-feet (9.14m.) and the hole was drilled to 646' (196.9m.). A weak limonite zone extended to 170' (51.8m.). An ore zone extended from 100' (30.48m.) to 490' (149.35m.) for 390' (118.87m.) of 0.34% copper and 0.016% molybdenite. A gougy, broken and sheared zone overlies the ore zone and malachite comprises much of the copper grade in the upper 20' (6.1m.) of the ore zone. Chalcopyrite and bornite are present in veins and as fine grained disseminations in a dark vuggy alteration phase. Pyrite concentration was low in this hole. The Mine Phase Quartz Diorite intersected in this hole was not typical. It is much altered and structurally deformed with variable grain size. Grain boundaries are often indistinct, perhaps due to silicification. A zone of Seriate Phase was intersected at 538'

(163.98m.) to 578' (176.17m.), very rich in quartz (~50%) and grading in and out of Leucocratic Phase and Granite Mountain Phase. A major fault was intersected at 578' to 602' (176.17 to 183.49m.).

Hole 87-16 was collared at 3949.50' (1203.81m.) and drilled at an azimuth of 20-degrees and an average dip of 65-degrees. Casing was set to 25' (7.62m.) and the hole was drilled to 655' (199.64m.). Leach cap extended to 140' (42.67m.) and a limonite zone continued to 190' (57.91m.). Most of the hole was drilled in Normal Mine Phase Quartz Diorite. Narrow zones of Leucocratic Phase and seriate-textured rock were intersected, as well as a white quartz-porphry zone from 517 - 528' (157.58 - 160.93m.). An ore zone was intersected from 390 to 560' (118.87 - 170.69m.) for 170' (51.82m.) of 0.36% copper and 0.024% molybdenite. Chalcopyrite was the major copper mineral. Minor bornite was seen in places. Pyrite content was low.

Hole 87-17 was collared at 3946.00' (1202.74m.) and drilled at an azimuth of 20-degrees and an average dip of 62-degrees. Casing was set at 10' (3.05m.) and the hole was drilled to 644' (196.29m.). A limonite zone extended to 150' (45.72m.) and copper grade in this zone was mainly due to malachite. A weak ore zone from 390 to 450' (118.87 to 137.16m.) contains chalcopyrite and minor bornite and chalcocite, for 60' (18.29m.) of 0.24% copper and 0.022% molybdenite. A second ore zone from 500 to 620' (152.4 to 188.98m.) averages 0.29% copper and 0.020% molybdenite. Only chalcopyrite was noted in this system. Rock is mainly a typical Mine Phase Quartz Diorite. A narrow Leucocratic zone was intersected from 481 to 499' (146.61 to 152.10m.). Pyrite content was low.

3.3 Interpretation

The holes drilled in this program served to confirm the ore projections in this area.

4 STATEMENT OF EXPENDITURES

May, 1987 Diamond Drilling, Red Group.

(a) Drilling Costs

Direct Footage Charges:

| | | | | |
|-------|---------------|----------------|---|--------------------|
| 87-15 | 646' | @ \$12.75/foot | = | \$ 8,236.50 |
| 87-16 | 655' | @ \$12.75/foot | = | \$ 8,351.25 |
| 87-17 | 644' | @ \$12.75/foot | = | \$ 8,211.00 |
| | <u>1,945'</u> | | | <u>\$24,798.75</u> |

Man and Machine Hours

| | | | |
|----------------|-------------|---|---------------|
| 11 man hrs. | @ \$24./hr. | = | \$ 264.00 |
| 4 drill hrs. | @ \$30./hr. | = | 120.00 |
| 3 tractor hrs. | @ \$60./hr. | = | <u>180.00</u> |
| | | | \$ 564.00 |

Lost Equipment and Supplies

| | | |
|----------------------------|---|---------------|
| Mud and Additives | = | 2,520.30 |
| 1 - NQ core bit @ \$506.25 | = | <u>506.25</u> |
| | | \$ 3,026.55 |

Services - Hole Testing

| | | |
|------------------------|---|------------------|
| 5 tests @ \$60.00/test | = | <u>\$ 300.00</u> |
|------------------------|---|------------------|

Total Drilling Charges

\$28,689.30

Less 1% Discount

286.89\$28,402.41

(b) Vehicle Costs

| | | |
|--|----|-------|
| 4x4 1980 Suburban, May 1-7, 3 days @ \$20.00 | \$ | 60.00 |
|--|----|-------|

(c) Assay Costs

| | | |
|---|----|--------|
| 189 Cu - MoS ₂ assays @ \$4.40/assay | \$ | 831.60 |
|---|----|--------|

(d) Supplies

| | | |
|-----------------------------------|----|--------------|
| Core boxes: 94 boxes @ \$6.00/box | = | \$ 564.00 |
| Tags, bags, etc. | = | <u>56.00</u> |
| | \$ | 620.00 |

(e) Personnel Costs

Core Logging and Sample Preparation

G. D. Bysouth

May 04-08 40 hrs.

May 11-13 20 hrs.

60 hrs. @ \$31.55/hr. = \$1,893.00

Field Work

G. E. Barker

May 01 4 hrs.

May 04-06 20 hrs.

24 hrs. @ \$22.02/hr. = \$ 528.48

Field Work and Report Preparation

M. R. Thon

May 07 4 hrs.

Jul 10 4 hrs.

Jul 13 6 hrs.

14 hrs. @ \$22.02/hr. = \$308.28

Total Personnel Charges

\$ 2,729.76

TOTAL COST

\$ 32,643.77

5 CONCLUSIONS

Drilling in this area is adequate to confirm the ore projections. No further drilling is recommended.

Submitted by: Madeline R. Thon

Madeline R. Thon
Mine Exploration Geologist

APPENDIX I. Statement of Qualifications

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

1. I am a geologist.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree in Geology in 1966.
3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia.
4. I personally logged the core and assessed the results of this drill program.

Garry D. Bysouth

Garry D. Bysouth

I, Madeline R. Thon, 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 logged some of the core and assessed the results of this drill program.

Madeline R. Thon

Madeline R. Thon

APPENDIX II. List of Abbreviations

ank.....ankerite
bo.....bornite
cal.....calcite
carb.....carbonate
chl.....chlorite
cp.....chalcopyrite
dissem.....disseminated
ep.....epidote
foln.....foliation
gg.....gouge
grn.....grained
lim.....limonite
mal.....malachite
mag.....magnetite
py.....pyrite
qtz.....quartz
rx.....rock
ser.....sericite
str.....strong
stkwk.....stockwork
wk.....weak
Wt. Q.D.....White Quartz Diorite
= Leucocratic Phase

GIBRALTAR MINES LIMITED
ASSAY CERTIFICATE

EXPLORATION D.D.C.

Date 6 MAY, 1987..

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | | |
|------------|-----------|-----------|--------------------|---|-------|
| | | | | | 87-15 |
| 97026 | .09 | .10 | .001 | — | 30-40 |
| 27 | .05 | .05 | .001 | — | -50 |
| 28 | .06 | .09 | .001 | — | -60 |
| 29 | .08 | .08 | .001 | — | -70 |
| 30 | .14 | .16 | .001 | — | -80 |
| 31 | .13 | .14 | .001 | — | -90 |
| 32 | .18 | .19 | .001 | — | -100 |
| 33 | .57 | .63 | .001 | — | -110 |
| 34 | .09 | .20 | .003 | — | -120 |
| 35 | .02 | .20 | .018 | — | -130 |
| 36 | .02 | .34 | .021 | — | -140 |
| 37 | .01 | .20 | .003 | — | -150 |
| 38 | .01 | .17 | .004 | — | -160 |
| 39 | .02 | .28 | .015 | — | -170 |
| 40 | .01 | .21 | .004 | — | -180 |
| 41 | .01 | .19 | .005 | — | -190 |
| 42 | .01 | .30 | .011 | — | -200 |
| 43 | .01 | .16 | .022 | — | -210 |
| 44 | .01 | .21 | .006 | — | -220 |
| 45 | .01 | .25 | .004 | — | -230 |
| 46 | .01 | .19 | .007 | — | -240 |
| 47 | .01 | .16 | .026 | — | -250 |
| 48 | <.01 | .21 | .010 | — | -260 |
| 49 | <.01 | .25 | .008 | — | -270 |
| 50 | .01 | .66 | .020 | — | -280 |
| 51 | .01 | .55 | .022 | — | -290 |
| 52 | .01 | .56 | .016 | — | -300 |
| 53 | <.01 | .64 | .029 | — | -310 |
| 54 | <.01 | .37 | .024 | — | -320 |
| 55 | <.01 | .41 | .037 | — | -330 |
| 56 | <.01 | .42 | .026 | — | -340 |
| 57 | <.01 | .35 | .012 | — | -350 |
| 58 | <.01 | .27 | .013 | — | -360 |

cc: Assay Lab.

Assayer D.A.W.

ASSAY CERTIFICATE

Exploration

Date May 7 1987

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | 87-15 |
|------------|-----------|-----------|--------------------|-------------|
| 97059 | | .32 | .010 | 360-370 |
| 60 | | .69 | .014 | -380 |
| 61 | | .47 | .078 | -390 |
| 62 | | .32 | .014 | -400 |
| 63 | | .39 | .014 | -410 |
| 64 | | .59 | .030 | -420 |
| 65 | | .44 | .022 | -430 |
| 66 | | .25 | .014 | -440 |
| 67 | | .24 | .018 | -450 |
| 68 | | .37 | .016 | -460 |
| 69 | | .21 | .010 | -470 |
| 70 | | .32 | .008 | -480 |
| 71 | | .35 | .008 | -490 |
| 72 | | .12 | .004 | -500 |
| 73 | | .06 | .004 | -510 |
| 74 | | .04 | .002 | -520 |
| 75 | | .04 | .002 | -530 |
| 76 | | .11 | .002 | -540 |
| 77 | | .03 | .006 | -550 |
| 78 | | .06 | .006 | -560 |
| 79 | | .03 | .002 | -570 |
| 80 | | .01 | .002 | -580 |
| 81 | | .03 | .002 | -590 |
| 82 | | .03 | .010 | -600 |
| 83 | | .02 | .002 | -610 |
| 84 | | .02 | .004 | -620 |
| 85 | | .03 | .002 | -630 |
| 86 | | .04 | .002 | -640 |
| 87 | | .01 | .002 | -646 |
| | | | | End of hole |

GIBRALTAR MINES LIMITED
ASSAY CERTIFICATE

Date 10 MAY 19.87

EXPLORATION D.D.C.

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | |
|------------|-----------|-----------|--------------------|---------|
| | | | | 87-16 |
| 47101 | .05 | .05 | .001 | - 25-30 |
| 02 | .04 | .05 | .001 | - 40 |
| 03 | .03 | .04 | .001 | - 50 |
| 04 | .04 | .06 | .004 | - 60 |
| 05 | .05 | .09 | .001 | - 70 |
| 06 | .05 | .09 | .001 | - 80 |
| 07 | .05 | .06 | .001 | - 90 |
| 08 | .07 | .08 | .001 | - 100 |
| 09 | .07 | .08 | .001 | - 110 |
| 10 | .08 | .10 | .001 | - 120 |
| 11 | .02 | .04 | .006 | - 130 |
| 12 | .31 | .40 | .002 | - 140 |
| 13 | .10 | .15 | .001 | - 150 |
| 14 | .04 | .15 | .010 | - 160 |
| 15 | .05 | .07 | .001 | - 170 |
| 16 | .03 | .06 | .003 | - 180 |
| 17 | .02 | .05 | .002 | - 190 |
| 18 | .01 | .13 | .009 | - 200 |
| 19 | .01 | .09 | .007 | - 210 |
| 20 | .01 | .09 | .009 | - 220 |

cc: Assay Lab.

Assayer D.A.W.



ASSAY CERTIFICATE

Exploration DEC

Date May 14, 1987

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | 87-16 | | |
|------------|-----------|-----------|--------------------|-------------|--|--|
| 97135 | .01 | .08 | .020 | 360-370 | | |
| 36 | <.01 | .11 | .006 | -320 | | |
| 37 | .01 | .17 | .024 | -390 | | |
| 38 | .01 | .37 | .090 | -400 | | |
| 39 | .01 | .42 | .034 | -410 | | |
| 40 | .01 | .18 | .030 | -420 | | |
| 41 | .01 | .36 | .032 | -430 | | |
| 42 | <.01 | .38 | .018 | -440 | | |
| 43 | .01 | .28 | .016 | -450 | | |
| 44 | .01 | .24 | .038 | -460 | | |
| 45 | .01 | .55 | .042 | -470 | | |
| 46 | .01 | .54 | .016 | -480 | | |
| 47 | <.01 | .35 | .018 | -490 | | |
| 48 | <.01 | .33 | .022 | -500 | | |
| 49 | <.01 | .40 | .012 | -510 | | |
| 50 | <.01 | .38 | .014 | -520 | | |
| 51 | <.01 | .25 | .020 | -530 | | |
| 52 | .01 | .56 | .014 | -540 | | |
| 53 | <.01 | .23 | .008 | -550 | | |
| 54 | .01 | .24 | .018 | -560 | | |
| 55 | .02 | .17 | .024 | -570 | | |
| 56 | .01 | .16 | .008 | -580 | | |
| 57 | <.01 | .23 | .010 | -590 | | |
| 58 | <.01 | .08 | .002 | -600 | | |
| 59 | <.01 | .13 | .008 | -610 | | |
| 60 | .01 | .09 | .010 | -620 | | |
| 61 | <.01 | .20 | .020 | -630 | | |
| 62 | .01 | .16 | .002 | -640 | | |
| 63 | <.01 | .06 | .002 | -650 | | |
| 64 | <.01 | .06 | .008 | -655 | | |
| | | | | End of hole | | |



ASSAY CERTIFICATE

Exploration

Date May 14 1987

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | | |
|------------|-----------|-----------|--------------------|-------|--|
| 97176 | .01 | .02 | <.002 | 87-17 | |
| 77 | .04 | .05 | .002 | 10-20 | |
| 78 | .05 | .06 | .002 | -30 | |
| 79 | .05 | .06 | .002 | -40 | |
| 80 | .05 | .06 | .002 | -50 | |
| 81 | .04 | .05 | <.002 | -60 | |
| 82 | .06 | .07 | <.002 | -70 | |
| 83 | .08 | .09 | <.002 | -80 | |
| 84 | .06 | .07 | .002 | -90 | |
| 85 | .09 | .11 | <.002 | -100 | |
| 86 | .11 | .14 | .002 | -110 | |
| 87 | .12 | .16 | <.002 | -120 | |
| 88 | .07 | .12 | <.002 | -130 | |
| 89 | .08 | .28 | <.002 | -140 | |
| 90 | .02 | .11 | .002 | -150 | |
| 91 | .02 | .14 | .002 | -160 | |
| 92 | <.01 | .14 | .002 | -170 | |
| 93 | <.01 | .17 | .002 | -180 | |
| 94 | <.01 | .03 | <.002 | -190 | |
| | | | | -200 | |



ASSAY CERTIFICATE

Exploration

Date May 15, 1987

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | 87-17 | | |
|------------|-----------|-----------|--------------------|---------|--|--|
| 97195 | .00 | .16 | .002 / | 200-210 | | |
| 96 | <.01 | .10 | .050 / | -220 | | |
| 97 | .01 | .19 | .032 / | -230 | | |
| 98 | .01 | .10 | .004 / | -240 | | |
| 99 | .01 | .07 | .002 / | -250 | | |
| 200 | .01 | .12 | .008 / | -260 | | |
| 01 | .01 | .13 | .008 / | -270 | | |
| 02 | .01 | .26 | .014 / | -280 | | |
| 03 | .01 | .06 | .002 / | -280 | | |
| 04 | <.01 | .04 | .002 / | -300 | | |
| 05 | <.01 | .06 | .006 / | -310 | | |
| 06 | <.01 | .15 | .012 / | -320 | | |
| 07 | <.01 | .04 | .002 / | -330 | | |
| 08 | <.01 | .05 | .002 / | -340 | | |
| 09 | .01 | .17 | .004 / | -350 | | |
| 10 | <.01 | .18 | .006 / | -360 | | |
| 11 | <.01 | .12 | .010 / | -370 | | |
| 12 | <.01 | .26 | .026 / | -380 | | |
| 13 | <.01 | .11 | .018 / | -390 | | |
| 14 | <.01 | .27 | .016 / | -400 | | |
| 15 | <.01 | .19 | .014 / | -410 | | |
| 16 | <.01 | .21 | .014 / | -420 | | |
| 17 | .01 | .28 | .070 / | -430 | | |
| 18 | .01 | .18 | .012 / | -440 | | |
| 19 | <.01 | .28 | .008 / | -450 | | |
| 20 | <.01 | .14 | .004 / | -460 | | |

Assayer [Signature]



GIBRALTAR MINES LIMITED



ASSAY CERTIFICATE

EXPLORATION D. D. C.

Date19...MAY...., 19.87..

| Sample No. | % Ox. Cu. | Total Cu. | % MoS ₂ | | |
|------------|-----------|-----------|--------------------|-------|---------|
| | | | | 87-17 | |
| 97221 | <.01 | .14 | .023 | — | 460-470 |
| 22 | <.01 | .15 | .006 | — | -480 |
| 23 | <.01 | .21 | .057 | — | -490 |
| 24 | <.01 | .16 | .070 | — | -500 |
| 25 | <.01 | .27 | .004 | — | -510 |
| 26 | <.01 | .31 | .034 | — | -520 |
| 27 | <.01 | .32 | .019 | — | -530 |
| 28 | <.01 | .20 | .009 | — | -540 |
| 29 | .01 | .27 | .005 | — | -550 |
| 30 | .01 | .41 | .016 | — | -560 |
| 31 | <.01 | .29 | .003 | — | -570 |
| 32 | <.01 | .26 | .009 | — | -580 |
| 33 | <.01 | .22 | .015 | — | -590 |
| 34 | <.01 | .38 | .088 | — | -600 |
| 35 | .02 | .28 | .027 | — | -610 |
| 36 | .02 | .22 | .015 | — | -620 |
| 37 | <.01 | .16 | .005 | — | -630 |
| 38 | <.01 | .11 | .029 | — | -644 |

GIBRALTAR MINES LIMITED

PERMANENT PROPERTY AREA

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GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 1 of 11

LOCATION POLLYANNA SOUTH WALL BEARING 20° AZ LATITUDE 48587.00 CORE SIZE N. Q. W. LOGGED BY G.D.B.
 DATE COLLECTED 03-May-87 LENGTH 655' DEPARTURE 52655.00 SCALE OF LOG 1" = 10' DATE May 6-8, 1987
 DATE COMPLETED 05-May-87 DIP Collar 55°; 350°-61°; 655°-68.5° ELEVATION 3949.50 REMARKS _____
- 65° used in computer

| ROCK TYPES & ALTERATION | GRAPHIC LOG | Yelms to Core 7' | Width of Vein | Illustration | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | |
|---|-------------|---|---|--|---|--------------------|---------------|-----------|---------------------------|-------|---------------|------|------|-----------------|--|-----------|
| | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | | |
| Casing To 25' | | | | | | | | | | | | | | | | |
| LEUCOCRATIC PHASE (25-35') | | 60 | 2" | qts | | | | 25 | | | | | | | | |
| a pink-grey @P. 35' | 30 | 57 | 12" | gg-bc-lim | | | | 31 | | | 97101 | .05 | .001 | | | |
| MINE PHASE | | 60-70 | 1/2" | qts x 2 | | | | 36 | | 0 | 97102 | .05 | .001 | | | .05 |
| QUARTZ DIORITE (35-655') | | 80-90 x 10 | 1/8-1/2 x 10 | qts x 10 | | <0.5 | | 36 | | | | | | | | |
| typical comp. & texture. ~ 20% chl | 40 | 70 x 4 35 x 2 8 80-90 x 12 20 | 1/2-1/2 x 4 1/4 x 2 1/8 1/10-1/3 x 12 1/2 | qts x 4 qts x 2 qts-mal qts x 12 qts | | <0.5 | | 46 | | 47 | 97103 | .04 | .001 | | | .08 OK |
| 45% sauss 20% qts 5m size ~ 1/10-1/6" | 50 | 80 x 5 + 10 x 2 | 1/8-1/2 x 7 | qts x 7 | | <0.5 | | 46 | | | | | | | | .05 |
| | | 80 x 5 | 1/10-1/4 x 5 | qts x 5 | | <0.5 | | 53 | | | | | | | | |
| | | 45+80+70 x 2 | 1/8 x 4 | qts x 4 | | <0.5 | | 53 | | 43 | 97104 | .06 | .004 | | | .05 |
| | | 70-80 x 10 | 1/10-1/4 x 10 | qts x 10 | | <0.5 | | 63 | | | | | | | | |
| | | 70-80 x 8 | 1/10-1/4 x 8 | qts x 8 | | <0.5 | | 63 | | | | | | | | |
| | | 60-90 | 1/4-1/2 | qts stk wks | | <0.5 | | 63 | | 47 | 97105 | .09 | .001 | | | 10 OK |

METRES

FEET
0
3.05
6.10
9.14
12.19
15.24

0
10
20
30
40
50

strong barren qts veins + wk lim

lim very wk down to 120' and very strong from 120' to 150'
 ∴ this hole intersects a strong qts veining zone from 35' to ~ 330' - in most cases the qts veins make up to 20-60% of the core.

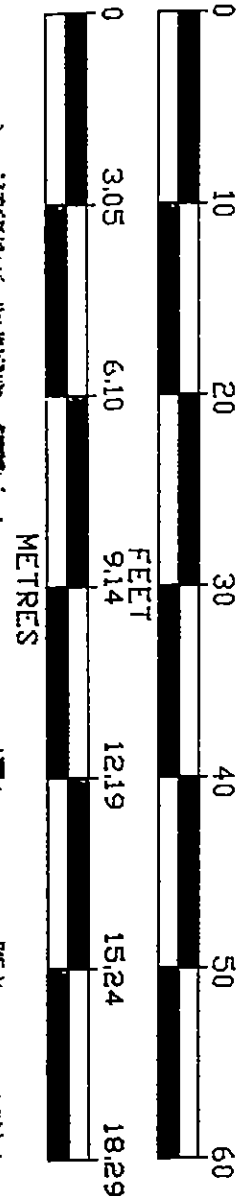
GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 2 of 11

| ROCK TYPES & ALTERATION | | L to Core Foliation Alteration Footwall Structure | GRAPHIC LOG | Veins L to Core A to | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|-----|---|-------------|----------------------------|-------------------|--|---|-----------------------|---------------|-----------|------------------------------------|-------|---------------|---------|------------------|-----------|
| | | | | | | | | | LEACH CAP | LIM. ZONE | | | Supergene | REMARKS | Sample Number | % Cu |
| ND | 80 | 70+60 x 50 | 80x4 | 1/2 1/4 x 3 | 1/2-1/4 x 4 | qtz-lim qtz-mal-H ₂ O ₂ x 3 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 73 | 95 | 53 | 97106 | .09 .05 ox | .001 | | .05 |
| | | | | | | | | | | | | | | | | |
| ND | 80 | 45-70 | 80x3+40x60 | 1/2 | 1/2-1/3 | qtz qtz-stk wks | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 83 | 98 | 27 | 97107 | .06 .05 ox | .001 | | .05 |
| | | | | | | | | | | | | | | | | |
| ND | 90 | 45-80 | 20 80 | 1/4 1/2 | 1/10-1/4 | qtz-stk wks chl-mal qtz-lim | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 99 | 100 | 50 | 97108 | .08 .07 ox | .001 | .08 3860 | .05 |
| | | | | | | | | | | | | | | | | |
| ND | 100 | 20+30+40+20 | 20+30+40+20 | 1/2 x 4 | 1/8-1/4 x 4 | qtz-lim x 4 qtz-lim x 4 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 100 | 100 | 40 | 97109 | .08 .07 ox | .001 | | .05 |
| | | | | | | | | | | | | | | | | |
| ND | 110 | 30-70 | 35 45+30 | 1/10-1/4 1/10 | 1/10-1/4 mal | qtz stk wks mal | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 116 | 98 | 47 | 97110 | .10 .08 ox | .001 | | .08 ox |
| | | | | | | | | | | | | | | | | |
| ND | 120 | 70-80 x 5 | 70x4 45 | 1/2-1/4 x 5 1/4 | 1/2-1/4 x 5 6" | qtz-lim x 5 lim x 4 chl-gg-lim qtz-stk wks + (lim) (ma) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 120 | 98 | 40 | 97111 | .04 .02 ox | .006 | | .10 ox |
| | | | | | | | | | | | | | | | | |

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 15, 945



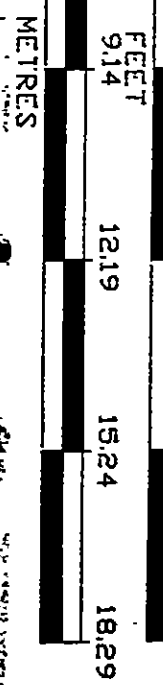
GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 3 of 11

| ROCK TYPES & ALTERATION | L to Core 7 Foliation Alteration Footage | GRAPHIC LOG | Y to Core 7 Foliation Alteration Footage | Y to Core 7 Foliation Alteration Footage | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | |
|-------------------------|--|----------------|---|--|--|--|-----------------------|---------------|------------|------------------------------------|-------|-------------------|------------------|---------|--------------|--------------------|--|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Footage Discs. | Sample Number | % Cu | % Mo | Estimated Grade | | |
| | | | | | | | | | | | | | | | | | | |
| | 60-80 Mod | | 140 | 80x15 60x4 45-55x6 30 | 1/10-1/4x15 1/4-1/8x4 1/4-1/8x6 1 1/2 | qtz-lim x 15 qtz-lim x 4 qtz-lim x 6 qtz-chl-lim | <0.5 | | | 95 | 47 | 97112 | .40 .31% | .002 | | .05 | | |
| | 80 WK | | 150 | 30 5-20 x 5 90 60-80 x 5 20x2 50x3 5x3 | 1/10 1/20-hle x 5 1/10 1/2-1/2 x 5 1/3 x 2 1"±2"±1/2 hle x 3 | qtz-lim-mal lim x 5 qtz-chl-lim-mal-cp qtz-lim x 5 qtz qtz x 3 lim x 3 | <.5 | | 80 95 | 95 | 50 | 97113 | .15 .16% | .001 | .015 3815 | .08 | | |
| | 70 WK | | 160 | 20-80 5±80x3 70x2 4x2 | 1/3-1/8 1/3x4 1/8+1/8 hle x 2 | qtz-stk wks qtz x 4 qtz-chl x 2 lim-mal x 3 | <0.5 | | 100 156 | | 53 | 97114 | .15 109% | .010 | | .10 | | |
| | 70- WK | | 170 | 30x2 5? 20-30 x 6 20-60 | 1/4 x 2 2' 1/2-1/2 x 6 1/2-1/4 | qtz x 2 gs-be-hem qtz x 6 qtz stk wks | <0.5 | | 90 166 | | 53 | 97115 | .07 .05% | .001 | | .05 | | |
| | ND | | 180 | 5x5 40-60 x 5 70±45-30x8 20 60 50x12 | 1/4 x 3 1/4 x 5 1/8-1/4 x 9 6" 8" 1/3-1/4 x 12 | lim x 3 qtz x 6 qtz x 9 qtz (lim) qtz-chl. (lim) qtz x 12 | <0.5 | | 90 173 | | 30 | 97116 | .06 .03% | .003 | | .08 | | |
| | ND | | 190 | 80-60 x 10 40-60 x 13 70x2 60x5 20 | 1/4-1/8 x 10 1/4 x 13 1/8 x 2 1/10 x 5 1/4 | qtz (lim) x 10 qtz x 13 qtz-mag x 2 qtz-chl (cp) x 6 qtz-ser-mag (mal) @ 90° | <0.5 | | 183 186 | 95 | 57 | 97117 | .05 102% | .002 | | .12 | | |

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 15,945



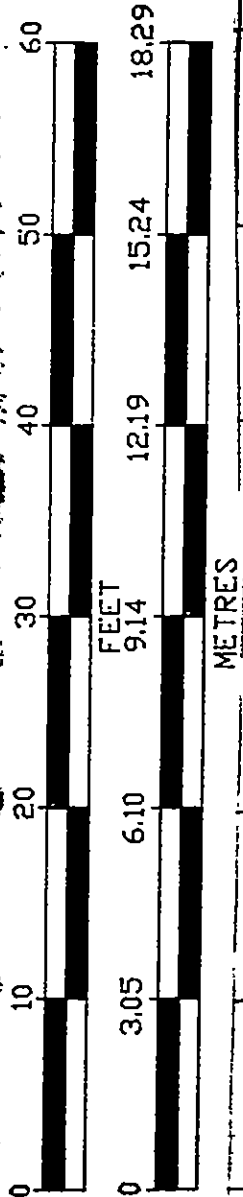
GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 4 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Vein L to Core Axis | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Foliate Dissect. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|-------------------------|------------------------|----------------|---------------------------|------------------|--------------------------|--|-----------------------|---------------|-----------|---------------------|------------------------------------|-------|------------------|---------|---------|--------------------|-----|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| ND | | 200 | 50x2 | 1/3x2 | qtz-chl-(cp) (mal) | 0 | 40.5 | | | 196 | 90 | 43 | 97118 | .13 | .009 | .09 | .15 |
| | | | 4x | 1/3 | qtz-mo | 10 | | | | | | | | | | | |
| ND | | 210 | 50x6 | 1/4x6 | qtz-6 | 20 | 40.5 | | | 206 | 95 | 53 | 97119 | .09 | .007 | .007 | .14 |
| | | | 90x2 | 1/20x3 | chl-ep-cp x3 | 30 | | | | | | | | | | | |
| ND | | 210 | 60x10 | 1/10x10 | qtz-chl (cp) x10 | 40 | 40.5 | | | 215 | 90 | 33 | 97120 | .09 | .009 | .009 | .05 |
| | | | 5+60x2+70x3 | 1/4-1/3x6 | qtz (lim) x6 | 50 | | | | | | | | | | | |
| ND | | 220 | 20+35+60+70 | 1/4 x4 | qtz x4 | 60 | 40.5 | | | 230 | 90 | 37 | 97121 | .07 | .006 | .006 | .05 |
| | | | 40+60x2 | 1/16x3 | lim-mal x3 | 70 | | | | | | | | | | | |
| ND | | 230 | 30x2 | 1/10x2 | qtz-ep-cp x2 | 80 | 40.5 | | | 236 | 98 | 60 | 97122 | .05 | .003 | .003 | .08 |
| | | | 60-70x6 | 1/2-1/4x6 | qtz x6 | 90 | | | | | | | | | | | |
| ND | | 230 | 5x3+60x2 | 1/4x5 | qtz x5 | 10 | 40.5 | | | 240 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 3x6 | 1/16x6 | lim x6 | 20 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 70-50x16 | 1/8-1/3x16 | qtz x16 | 30 | 40.5 | | | 246 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 50x3 | 1/3x3 | qtz x3 | 40 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 60x2 | 1/4x2 | qtz x2 | 50 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 60x2 | 1/4x2 | qtz x2 | 60 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 80 | 3" | qtz-chl mag (cp) | 70 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 5+40x2+60x10 | 1/2-1/8 x18 | qtz x18 | 80 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 70-80+45x2 | 1/3-1/8 x10 | qtz x10 | 90 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 90 | 1/2 | qtz-chl | 10 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 90+60+30 | 1/6x3 | qtz-chl x3 | 20 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 35+40+70x2 | 1/4x4 | qtz x4 | 30 | | | | | | | | | | | |
| dk alt | 80 wk | 240 | 70x10 | 1/8 x10 | qtz x10 | 40 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 70x10 | 1/8 x10 | qtz x10 | 50 | | | | | | | | | | | |
| 80 str mod | | 250 | 90 | 3' | qtz-chl (carb) (cp) zone | 60 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 5x2+60+17x2 | 1/6-1/4 x5 | qtz x5 | 70 | | | | | | | | | | | |
| 80 str mod | | 250 | 90 | 1/2 | qtz-mag | 80 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 80+60+70 | 1/3-1/4 x3 | qtz-chl x3 | 90 | | | | | | | | | | | |
| 80 str mod | | 250 | 45 | 3" | qtz-chl (cp) | 10 | 40.5 | | | 250 | 95 | 63 | 97123 | .15 | .079 | .079 | .08 |
| | | | 45 | 3" | qtz-chl (cp) | 20 | | | | | | | | | | | |

GEOLOGICAL
 ASSESSMENT
 REPORT
 15, 915



3725

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 5 of 11

| ROCK TYPES & ALTERATION | | L to Core Foliation Alteration | GRAPHIC LOG | Veins L to Core A/S | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|--|---------------------------------------|--------------------------------------|----------------|---------------------------|------------------|---------------------|--|-----------------------|---------------|-----------|-----------|------------------------------------|-------|---------------|------------------|-------------|---------|
| | | | | | | | | | LEACH CAP | LIM. ZONE | SUPERGENE | | | REMARKS | Sample Number | % Cu | % Mo |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | To WK | 260 | 50x2+70x4 | 1/6-1/10 | qtz-chl-xc | 0 | <0.5 | | | 95 | 67 | 97124 | .05 <.01% | .007 | | .08 |
| | | | | 5+30x2+40 | 1/8x4 | qtz x 4 | 10 | | | | | | | | | | |
| | | | | 15+30 | 2" x 1/4 | qtz x 2 | 20 | | | | | | | | | | |
| | | | | 60x2 | 1/4x2 | qtz-chl-mag x 2 | 30 | | | | | | | | | | |
| | | | | 70x2 | 1/2x1/3 | qtz-chl-mag x 2 | 40 | | | | | | | | | | |
| | | | | 5+20+10x2 | 1/5-1/4x4 | qtz x 4 | 50 | | | | | | | | | | |
| | | | | 70 | 1/10 | qtz-chl-cp | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | ND | 270 | 5+30 | 1/6x2 | qtz x 2 | 0 | <0.5 | | | 98 | 77 | 97125 | .09 <.01% | .006 | | .14 |
| | | | | 70x2 | 1/10x3 | qtz-chl-mag-cp x 3 | 10 | | | | | | | | | | |
| | | | | 70-80x4 | 1/10x4 | qtz-chl-cp x 4 | 20 | | | | | | | | | | |
| | | | | 30 | 1/3 | qtz | 30 | | | | | | | | | | |
| | | | | 70+80+50 | 1/8+1/10x2 | qtz-chl (cp) x 2 | 40 | | | | | | | | | | |
| | | | | 20x2 | 1/2x2 | qtz x 2 | 50 | | | | | | | | | | |
| | | | | | | | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | 80 Med | 280 | 20x2 | 1/2x1 | qtz-chl x 2 | 0 | <0.5 | | | 95 | 60 | 97126 | .08 .01% | .009 | | .54 |
| | | | | 30x3 | 1/3x3 | qtz x 3 | 10 | | | | | | | | | | |
| | | | | 30+10x2 | 1/6x3 | qtz x 3 | 20 | | | | | | | | | | |
| | | | | 70x2 | 1/8x2 | qtz-chl x 2 | 30 | | | | | | | | | | |
| | | | | 80-90 | 3" | qtz-chl-mag | 40 | | | | | | | | | | |
| | | | | 30 | 12" | qtz (cp) | 50 | | | | | | | | | | |
| | | | | 25 | 1/2 | qtz-carb-cp | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | 80 WK Med | 290 | 80x2 | 1/10x3 | qtz-mag | 0 | <0.5 | | | 95 | 73 | 97127 | .19 .01% | .009 | | .12 |
| | | | | 80 | 1/2 | qtz-chl-cp x 2 | 10 | | | | | | | | | | |
| | | | | 70x2 | 1/4 | qtz-chl | 20 | | | | | | | | | | |
| | | | | 5x2 | 1/2+1/8 | qtz-mag | 30 | | | | | | | | | | |
| | | | | | | qtz x 2 | 40 | | | | | | | | | | |
| | | | | 60x2 | 1/8x2 | qtz x 2 | 50 | | | | | | | | | | |
| | | | | 5 | 3" | qtz | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | 80 WK Med | 300 | 45 | 6" | qtz-chl-carb (cp) | 0 | <0.5 | | | 95 | 80 | 97128 | .23 .01% | .008 | .13 3680 | .12 |
| | | | | 60-80 x 5 | 1/4-1/3x5 | qtz-carb | 10 | | | | | | | | | | |
| | | | | 35 | 1/2 | qtz x 5 | 20 | | | | | | | | | | |
| | | | | | | qtz-mag | 30 | | | | | | | | | | |
| | | | | 60x2 | 1/10x2 | qtz-chl-cp (bo) x 2 | 40 | | | | | | | | | | |
| | | | | | | | 50 | | | | | | | | | | |
| | | | | | | | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |
| 0 3.05 6.10 9.14 12.19 15.24 18.29 | 0 10 20 30 40 50 60 | ND | 310 | 60+50 | 1/4+1/3 | qtz-mag x 2 | 0 | <0.5 | | | 98 | 83 | 97129 | .06 .01% | .010 | | .10 |
| | | | | 5+30+20+60 | 1/4-1/3x4 | qtz x 4 | 10 | | | | | | | | | | |
| | | | | 70 | 1/3 | qtz-mag | 20 | | | | | | | | | | |
| | | | | 20x2 | 1/4x2 | qtz x 2 | 30 | | | | | | | | | | |
| | | | | 70 | 1/8 | qtz-mag | 40 | | | | | | | | | | |
| | | | | | | | 50 | | | | | | | | | | |
| | | | | | | | 60 | | | | | | | | | | |
| | | | | | | | 70 | | | | | | | | | | |
| | | | | | | | 80 | | | | | | | | | | |
| | | | | | | | 90 | | | | | | | | | | |

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15, 915

METRES

FEET

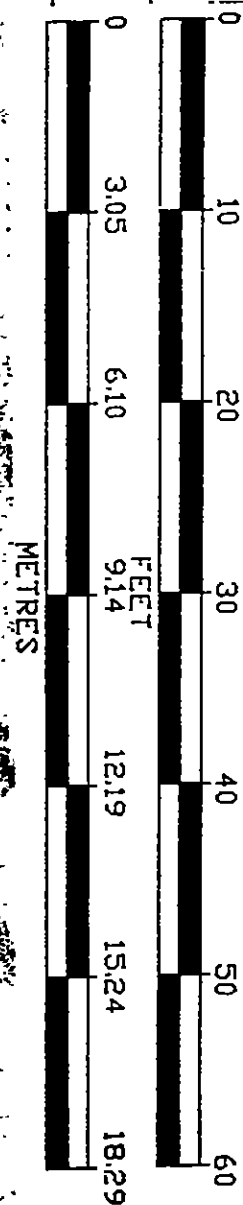
GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-16.
SHEET No. 6 of 11

| ROCK TYPES & ALTERATION | | GRAPHIC LOG | Vein to Core 7 | Width of Vein | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | Estimated Grade |
|-------------------------|--------|-------------|----------------|---------------|---|--------------------|---------------|-----------|---------------------------|-------|---------------|------|------|-----------------|
| | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | |
| dk alt'n | B0 vit | 320 | 0-10 | 1" | qtz-mag-cp | 0 | 315 | 98 | 60 | 97130 | .11 .01 ox | .024 | .15 | |
| | | | 10-20 | 1/2" | qtz-ep-cp | 10 | | | | | | | | |
| | | | 20-30 | 1/4x4 | qtz x 4 | 20 | | | | | | | | |
| | | | 30-40 | 1/4x4 | qtz-chl x 4 | 30 | | | | | | | | |
| | | | 40-50 | 1/2x2 | qtz-chl | 40 | | | | | | | | |
| | | | 50-60 | 1/8x2 | qtz-chl x 2 | 50 | | | | | | | | |
| | | | 60-70 | 1/2" | qtz-ser-carb (cp) | 60 | | | | | | | | |
| | | | 70-80 | 1/2" | qtz-chl-cp | 70 | | | | | | | | |
| | | | 80-90 | 1/3x3 | qtz x 3 | 80 | | | | | | | | |
| | | | 90-100 | 1/3x3 | qtz x 3 | 90 | | | | | | | | |
| dk alt'n | B0 vit | 330 | 0-10 | 1" | qtz-chl-cp | 0 | 325 | 95 | 57 | 97131 | .06 .01 ox | .008 | .08 | |
| | | | 10-20 | 1/3x3 | qtz x 3 | 10 | | | | | | | | |
| | | | 20-30 | 1/4x3 | qtz x 3 | 20 | | | | | | | | |
| | | | 30-40 | 1/10 | qtz-chl-cp (bo) | 30 | | | | | | | | |
| | | | 40-50 | 1/8 | qtz-chl-cp | 40 | | | | | | | | |
| | | | 50-60 | 1/10x2 | qtz-chl-cp + qtz-mag | 50 | | | | | | | | |
| | | | 60-70 | 1/10x3 | qtz-chl-cp x 3 | 60 | | | | | | | | |
| | | | 70-80 | 1/20x2 | qtz-chl-cp x 2 | 70 | | | | | | | | |
| | | | 80-90 | 1/20 | chl-bo | 80 | | | | | | | | |
| | | | 90-100 | 1/20 | chl-bo | 90 | | | | | | | | |
| dk alt'n | B0 vit | 340 | 0-10 | 1" | qtz-chl-carb ((cp)) | 0 | 335 | 95 | 63 | 97132 | .10 .01 ox | .007 | .16 | |
| | | | 10-20 | 1/2x2 | qtz | 10 | | | | | | | | |
| | | | 20-30 | 1/4x2 | qtz-chl (cp) | 20 | | | | | | | | |
| | | | 30-40 | 1/2x2 | qtz x 2 | 30 | | | | | | | | |
| | | | 40-50 | 1/2x2 | qtz-chl (mag) x 2 | 40 | | | | | | | | |
| | | | 50-60 | 1/2 | qtz-chl-mag (cp) | 50 | | | | | | | | |
| | | | 60-70 | 1/2x2 | qtz-chl-mag x 2 | 60 | | | | | | | | |
| | | | 70-80 | 1/2" | qtz-chl-carb ((cp)) | 70 | | | | | | | | |
| | | | 80-90 | 1/2" | qtz | 80 | | | | | | | | |
| | | | 90-100 | 1/2" | qtz-chl (cp) | 90 | | | | | | | | |
| dk alt'n | B0 vit | 350 | 0-10 | 1" | qtz | 0 | 344 | 95 | 33 | 97133 | .18 .02 ox | .035 | .12 | |
| | | | 10-20 | 1/2x2 | qtz-chl (cp) | 10 | | | | | | | | |
| | | | 20-30 | 1/4x2 | qtz x 2 | 20 | | | | | | | | |
| | | | 30-40 | 1/2x2 | qtz-chl (mag) x 2 | 30 | | | | | | | | |
| | | | 40-50 | 1/2 | qtz-chl-mag (cp) | 40 | | | | | | | | |
| | | | 50-60 | 1/2x2 | qtz-chl-mag x 2 | 50 | | | | | | | | |
| | | | 60-70 | 1/2" | qtz-chl-carb ((cp)) | 60 | | | | | | | | |
| | | | 70-80 | 1/2" | qtz | 70 | | | | | | | | |
| | | | 80-90 | 1/2" | qtz-chl (cp) | 80 | | | | | | | | |
| | | | 90-100 | 1/4 | qtz-ep-cp x 2 | 90 | | | | | | | | |
| dk alt'n | B0 vit | 360 | 0-10 | 1/10 + hlc | cp-cp | 0 | 356 | 98 | 77 | 97134 | .08 .01 ox | .012 | .12 | |
| | | | 10-20 | hlc | cp-cp | 10 | | | | | | | | |
| | | | 20-30 | hlc | cp-cp | 20 | | | | | | | | |
| | | | 30-40 | 1/3x4 | qtz-chl x 2 | 30 | | | | | | | | |
| | | | 40-50 | 1/4x3 | qtz x 3 | 40 | | | | | | | | |
| | | | 50-60 | 1/2 | qtz-carb (cp) | 50 | | | | | | | | |
| | | | 60-70 | 1/2 | qtz | 60 | | | | | | | | |
| | | | 70-80 | 1/2 | qtz | 70 | | | | | | | | |
| | | | 80-90 | 1/2 | qtz | 80 | | | | | | | | |
| | | | 90-100 | 1/2 | qtz | 90 | | | | | | | | |
| dk alt'n | B0 vit | 370 | 0-10 | hlc | cp-cp | 0 | 366 | 98 | 53 | 97135 | .08 .01 ox | .020 | .10 | |
| | | | 10-20 | hlc | cp-cp | 10 | | | | | | | | |
| | | | 20-30 | 1/3x4 | qtz-chl x 2 | 20 | | | | | | | | |
| | | | 30-40 | 1/4x3 | qtz x 3 | 30 | | | | | | | | |
| | | | 40-50 | 1/2 | qtz-carb (cp) | 40 | | | | | | | | |
| | | | 50-60 | 1/2 | qtz | 50 | | | | | | | | |
| | | | 60-70 | 1/2 | qtz | 60 | | | | | | | | |
| | | | 70-80 | 1/2 | qtz | 70 | | | | | | | | |
| | | | 80-90 | 1/2 | qtz | 80 | | | | | | | | |
| | | | 90-100 | 1/2 | qtz | 90 | | | | | | | | |

GEOLOGICAL BRANCH
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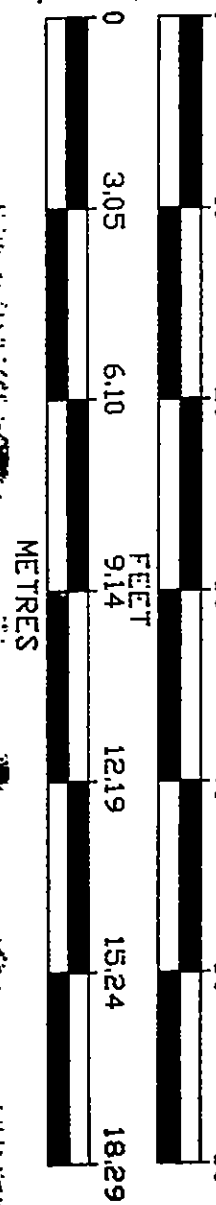
GRID

GIBALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 7 of 11

| ROCK TYPES & ALTERATION | 7 to Core Alteration | GRAPHIC LOG | 7 Valve of Core Axis | Width of Vein | Illustration | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|---------------------------------|----------------------------|-------------|---|---|---|---|-----------------------|---------------|-----------|------------------------------------|-------|------------------|--------------|---------------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| | 55 57 | 380 | 30 70x2 35 | 2" 1/4 2 1/2 | qtz-carb (cp) qtz-mag-cp x2 qtz | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 98 | 57 | 97136 | .11 k.ox | .006 | .10 |
| Soft vuggy core 380-430' | 90 WK | 390 | 5x3 60x3 40 | 1/2+1/3 1/8x3 1/3 | qtz x3 qtz x2 qtz-chl-ep-cp x3 qtz-chl-cp gg-ls qtz-chl-cp-carb | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 95 | 23 | 97137 | .17 .01ox | .024 | .25 |
| | 90 WK | 400 | 90x3 60 50x2 90 45 | 1/10x3 1/2 1/4x2 1/2x2 1/8 | chl-cp x3 qtz-chl-cp (mag) qtz-chl-cp x2 qtz-chl-cp x2 qtz-cp qtz-chl-cp x10 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 90 | 10 | 97138 | .37 .01ox | .050 | .30 |
| | 90 WK | 410 | 80-90x10 90x8 10x2 80-90 45+80x2 70-90x4 80 | 1/4-1/10x8 1/8+1/3 1/8-1/6x6 1/10x2 1/10x4 1/2 6" | qtz-chl-cp x8 qtz-chl-mag-cp qtz-chl-cp x6 qtz-chl-cp x3 qtz-chl-cp x4 qtz-(mag)(cp) gg-hem | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 95 | 33 | 97139 | .42 .01ox | .034 11.57 | .40 |
| | ND | 420 | 70x4 5 60 80 90 60-70x30 | 1/8x4 3" 2" 1" 1/2 1/8x3 | qtz-chl-cp x4 qtz qtz-chl-mag qtz (cp) qtz-chl (cp) qtz-chl-cp x3 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 90 | 10 | 97140 | .18 .01ox | .030 | .25 |
| grades to a seriate phase | 80 WK | 430 | 20 50 70+70 70+60+30x3 70 45 | 2" 2" 1/10 x2 1/8-1/10 x5 2" 1/4 | gg-hem qtz-chl (cp) qtz-chl-cp x2 qtz-chl-cp x5 qtz-chl-cp-Mo qtz-mag (cp) qtz-mag-cp x6 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | | 65 | 17 | 97141 | .36 .01ox | .032 | .45 |

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15, 945



GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 8 of 11

GRID

| ROCK TYPES & ALTERATION | L to Core Foliation Alteration Fracture Structure | GRAPHIC LOG | Values 7 to Core Axis | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Footage Discard. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|------------------------------|---|----------------|-----------------------------|------------------|--|--|-----------------------|---------------|-----------|---------------------|------------------------------------|-------|------------------|--------------|---------|--------------------|-----|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| | | | | | | | | REMARKS | | | | | | | | | |
| grades to a seriate phase | ND. | 440 | 6-10 x 5 | 1/8 x 5 | qtz-chl-cpx | 0 | <0.5 | | | 432 | 95 | 40 | 97142 | .38 K010x | .018 | WI 1457 | .20 |
| | | | 80 x 2 | 1/4 x 2 | qtz-chl-cpx qtz-cp | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| grades to a seriate phase | 80 Wk- Mod | 450 | 80 x 2 | 1/10 x 2 | qtz | 0 | <0.5 | | | 442 | 95 | 53 | 97143 | .28 010x | .016 | WI 3545 | .22 |
| | | | 80 x 2 + 30 | 1/4 x 5 | chl-cp qtz x 2 qtz-chl (cp) x 3 qtz | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 460 | 80-90 x 5 | 1/10 x 5 | qtz-chl-cp (Mo) x 5 | 0 | <0.5 | | | 452 | 90 | 43 | 97144 | .24 010x | .038 | WI 1272 | .25 |
| | | | 90 x 2 | 1/2 | chl-ep-cp (ba) x 12 chl-cp x 2 qtz | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 470 | 90 x 2 | 1/2 | qtz | 0 | <0.5 | | | 462 | 90 | 27 | 97145 | .55 010x | .042 | WI 1272 | .50 |
| | | | 5 x 3 | 1/2 x 3 | chl-ep (Mo) x 3 chl (qtz)-cp x 6 qtz-chl-py chl-cp-py-Mo qtz-chl-cpx qtz-chl-cp x 3 | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 480 | 70 x 3 | 1/8 x 3 | qtz-chl-cp x 3 | 0 | <0.5 | | | 469 | 95 | 33 | 97146 | .54 010x | .016 | WI 1272 | .35 |
| | | | 80 x 2 | 1/4 x 2 | qtz-chl-cp x 2 qtz-chl-carb-mag-cp qtz-carb-cp qtz-chl-carb-(cp) zone | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 490 | 50-80 x 20 | 1/10 x 20 | qtz-chl-cp x 20 | 0 | <0.5 | | | 476 | 95 | 33 | 97147 | .35 010x | .018 | WI 1272 | .40 |
| | | | 80 | 1/4 x 2 | qtz-chl-cp qtz-mag-Mo qtz-chl-cp qtz-chl-cp x 2 qtz-chl-cp x 3 qtz-chl-cp x 2 | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 490 | 80 | 1/3 | qtz-chl-cp x 2 | 0 | <0.5 | | | 486 | 95 | 33 | 97147 | .35 010x | .018 | WI 1272 | .40 |
| | | | 80 | 1/3 | qtz-chl-cp x 2 | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |
| soft vuggy dk zone | 80- 90 Mod | 490 | 80 | 1/3 | qtz-chl-cp x 2 | 0 | <0.5 | | | 486 | 95 | 33 | 97147 | .35 010x | .018 | WI 1272 | .40 |
| | | | 80 | 1/3 | qtz-chl-cp x 2 | 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | |

GEOLOGICAL BRANCH
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15, 915

METRES
 FEET
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3.05
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15.24
18.29

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 9 of 11

| ROCK TYPES & ALTERATION | L to Core Reflection | GRAPHIC LOG | Veins L to Core Axis | Width of Vein | Illustration | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|-------------------------|----------------------|-------------|--|--|--|---|--------------------|---------------|-----------|---------------------------|-------|---------------|------|-------|-----------------|-------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| 0 - 3.05 | NO | 500 | 8x 60x2 8x2.5 | 1/8 1/4 x 1/8 1/8 + 1/4 | qtz-chl-ep qtz-chl-ep x2 qtz-chl-ep x2 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 494 | 90 | 17 | 97148 | .33 | .022 | .90 | .30 | |
| | | | 5-6 30 80 60-80x3 30x4 | 2' 1/2 1/4 1/8 x 4 1/8 x 2 | ss-bx-hem qtz-ep chl-ep qtz-chl-ep x4 qtz-chl-ep x2 | 70 80 90 | | | | | | 2.01% | 3500 | | | |
| 3.05 - 6.10 | NO | 510 | 70x2 70 35 90 70-80 65 60 90 | 1/8 x 2 1/2 1/2 1/2 1/2 1/2 1/2 | qtz-chl-ep ep-ep ep-ep qtz-chl-ep-ep qtz-chl-ep x2 qtz(chl)-ep qtz-chl-ep-ep qtz(ep)(Mo) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 504 | 60 | 17 | 97149 | .40 | .012 | 14.92 | .35 | |
| 6.10 - 9.14 | NO | 510 | 80 70x2 80 70x2 ? 80-90 90 | 1/8 1/10 x 2 1/2 1/10 x 2 1/2 1/20-1/10 1/2 | qtz(cp) qtz-chl-ep x2 qtz-ep(cp) qtz-chl-ep x2 broken ep (qtz)(carb)-py qtz-ep x3 qtz-py | 0 10 20 30 40 50 60 70 80 90 | | | | | | <0.5 | 516 | 85 | 17 | 97150 |
| 9.14 - 12.19 | NO | 520 | 80 5-60 35-60 x3 | 6" 1/2-1/20 1/2 x 3 | qtz-mag-py(cp) fine chl(ep) streaks qtz-chl(ep)(Mo) x3 | 0 10 20 30 40 50 60 70 80 90 | 1.0 | 523 | 90 | 43 | 97151 | | | | | |
| 12.19 - 15.24 | NO | 530 | 50 80x3 80 50+60x5 75x3 70x40 45-50 x3 | 1/2 1/20-1/10 x3 " 1/10 + 1/4 x2 1" + 1/8 x2 1/2 + 1 1/2 x 3 | qtz-chl(ep)(Mo) qtz-chl-ep x3 qtz-chl(ep)(Mo) qtz-chl-carb-ep x2 qtz-chl-ep x3 qtz-chl-ep x2 qtz-chl-ep x3 | 0 10 20 30 40 50 60 70 80 90 | | | | | | <0.5 | 533 | 95 | 37 | 97152 |
| 15.24 - 18.29 | NO | 540 | 45 30 35+60 40+70 35 70 | 1/2 1/2 1/10 x 2 1/20 x 2 1/4 1/8 | qtz-chl-ep qtz-Mo qtz-chl-ep x2 ep-ep(bn)x2 qtz-chl-ep cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | 541 | 95 | 43 | 97153 | | | | | |
| | | 550 | | | | | | | | | | | | | | |

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 15, 915

METRES

FEET
 0
3.05
6.10
9.14
12.19
15.24
18.29

GRID

GIBRALTAR MINES LTD.

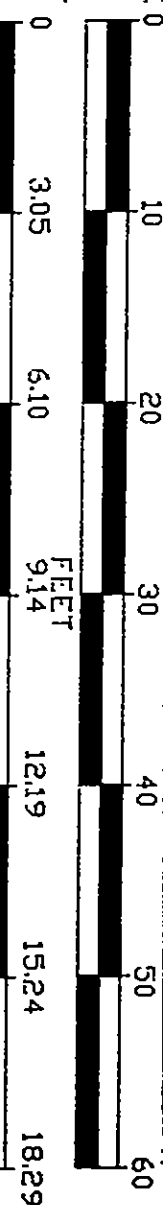
HOLE No. 87-16
SHEET No. 10 of 11

| ROCK TYPES & ALTERATION | | GRAPHIC LOG | Value 7 to Core Alt | Width of VIA | Mineralisation | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | |
|-------------------------|--|-------------|------------------------------|--------------------|--------------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|--|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | | |
| | | | 60+70 | 1/2x2 | qtz-chl-ep x2 | 0 | | | | | | | | | | | |
| | | | 80+50 | 1/10x2 | qtz-chl-ep | 10 | | | | | | | | | | | |
| | | | 70x2 | 1/10x3 | qtz-chl-ep x3 | 20 | | | | | | | | | | | |
| | | | 40 | 1/8 | qtz-chl-ep | 30 | | | | | | | | | | | |
| | | | 25 | 1/10 | qtz-chl-ep | 40 | | | | | | | | | | | |
| | | | 560 | | | 50 | | | | | | | | | | | |
| | | | 60x2 | 1/8x2 | qtz-chl(ep) x2 | 60 | | | | | | | | | | | |
| | | | 10 | nil | chl-ep | 70 | | | | | | | | | | | |
| | | | 60x2 | 1/4x2 | qtz x2 | 80 | | | | | | | | | | | |
| | | | 40 | 1/4 | qtz-Mo | 90 | | | | | | | | | | | |
| | | | 60x2 | 1/2+1/3 | qtz-chl(ep) | 100 | | | | | | | | | | | |
| | | | 570 | 1/20x2 | ep-cpx2 | 110 | | | | | | | | | | | |
| | | | 30 | 1/2 | qtz-chl-ep | 120 | | | | | | | | | | | |
| | | | 40x2 | 1/10x2 | qtz-chl-ep-cpx2 | 130 | | | | | | | | | | | |
| | | | ? | 2' | gg-bx | 140 | | | | | | | | | | | |
| | | | 75 | 2" | qtz-chl-ep | 150 | | | | | | | | | | | |
| | | | 60 | 1/3 | qtz-mag-chl | 160 | | | | | | | | | | | |
| | | | 40+50+60 | 1/8x3 | qtz-chl-ep x3 | 170 | | | | | | | | | | | |
| | | | 580 | | | 180 | | | | | | | | | | | |
| | | | 70 | 1/10 | qtz-chl(ep) | 190 | | | | | | | | | | | |
| | | | 45 | 1/2 | qtz-chl(ep) | 200 | | | | | | | | | | | |
| | | | 30 | 2" | qtz-Mo-ep(ba) | 210 | | | | | | | | | | | |
| | | | 50 | 2" | qtz-chl(ep) | 220 | | | | | | | | | | | |
| | | | 10 | 2x | qtz(ep) | 230 | | | | | | | | | | | |
| | | | 70 | 1/2 | qtz-chl(ep) | 240 | | | | | | | | | | | |
| | | | 590 | | | 250 | | | | | | | | | | | |
| | | | ? | 5'? | 4 1/2' last core ? | 260 | | | | | | | | | | | |
| | | | 20 | 3/4" | qtz | 270 | | | | | | | | | | | |
| | | | 60 | 1" | qtz-chl(ep) | 280 | | | | | | | | | | | |
| | | | ? | 12" | gg-bx | 290 | | | | | | | | | | | |
| | | | 30 | 1/10 | qtz-chl-ep | 300 | | | | | | | | | | | |
| | | | 45 | 1/4 | qtz | 310 | | | | | | | | | | | |
| | | | 40 | 1/10 | qtz-chl-ep | 320 | | | | | | | | | | | |
| | | | 60 | 1/8 | qtz-chl-ep(ep) | 330 | | | | | | | | | | | |
| | | | 60x2 | 1/2x2 | qtz-Mo x2 | 340 | | | | | | | | | | | |
| | | | 610 | | | 350 | | | | | | | | | | | |

1515
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

METRES

FEET



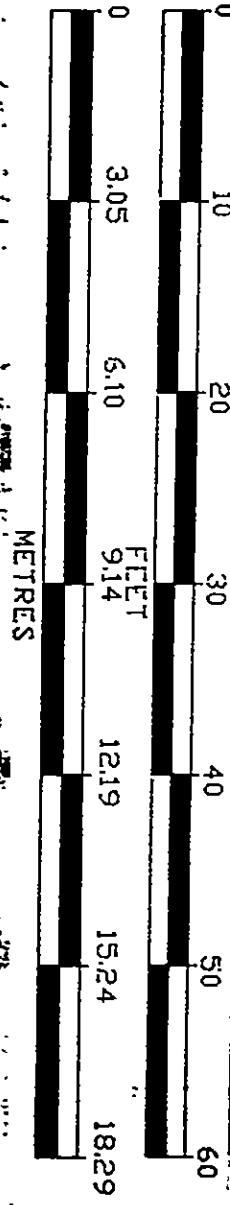
GIBRALTAR MINES LTD.

GRID

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Veins to Core Axis | Width of Vein | Mineralisation | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|---|------------------------|----------------|--------------------------|------------------|------------------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|-------------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| | | | | | | | | REMARKS | | | | | | | |
| grades to a pale grey qtz-rich (25-40% qtz) phase | | 620 | 5-60 | 1/16 | qtz-cp chl. | 0 | 20.5 | 616 | 95 | 20 | 97160 | .09 .010x | .010 | | .08 |
| | | | | 2" | chl | 10 | | | | | | | | | |
| with veins and clots of chl | 5-60 wk. str. | 630 | 5-60 | 2' | gg-bx | 20 | <0.5 | 624 | 95 | 13 | 97161 | .20 .010x | .020 | | .18 |
| | | | | 1/4 | qtz-Mo | 30 | | | | | | | | | |
| a dk. qtz-rich phase | 5-60 Med. str. | 630 | 5-60 | 5' | qtz-carb.chl-(cp) zone | 40 | 40.5 | 633 | 95 | 40 | 97162 | .16 .010x | .002 | | .16 |
| | | | | 1/2 | bx (gg) | 50 | | | | | | | | | |
| dk alt'n zone | 5-60 Med. str. | 640 | 5-60 | 3' | bx (gg) | 60 | <0.5 | 641 | 95 | 20 | 97163 | .06 .010x | .002 | .13 3365 | .12 |
| | | | | 1/4 | qtz-cp | 70 | | | | | | | | | |
| | | | | 1/20x2 | qtz-chl-cp | 80 | | | | | | | | | |
| E.O.H 655' | 5-60 Med. str. | 650 | 5-60 | 1/10 | chl-cp | 90 | <0.5 | 655 | 60 | | 97164 | .06 .010x | .008 | | .10 |
| | | | | 1/10 | chl (cp) | 95 | | | | | | | | | |

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15/07/15

MR. Shaw
for G.D. Bysouth



GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 1 of 11

LOCATION POHYANNA SOUTH WALL BEARING N 20° E (20° 03') LATITUDE 4863 6.00 CORE SIZE N.O.W LOGGED BY G.D.B.
DATE COLLARED 01-May-87 LENGTH 646' DEPARTURE 53163.50 SCALE OF LOG 1" = 10' DATE May 4-6, 1987
DATE COMPLETED 03-May-87 DIP 55° @ collar; 65° @ EOH ELEVATION 3956.40 REMARKS mineralization (ep) is fine grn and uniformly distributed in a dk vuggy rx - low py - that is, Zone C-type ore.
- 62° used in computer

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Vena L to Core Alt | Width of Vena | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | |
|---|------------------------|-------------|--------------------------|------------------|----------------------------------|--|-----------------------|-----------------------------------|-------------------------|------------------------------------|-------|------------------|---------|---------|--------------------|------|--|
| | | | | | | | | LEACH CAP → (110' in Comp.) | LIM. ZONE 170 (weak) | | | Sample Number | % Cu | % Mo | Estimated Grade | | |
| Casing To 30' | | | | | | | | | | | | | | | | | |
| MINE PHASE QUARTZ DIORITE (30' - 538') | ND | | 30-60 x 8 | 1/4 - 1/2 x 8 | Coarse qtz-stk wks | | <0.5 | | 34 | 95 | 17 | 97026 | .10 | .001 | | .10 | |
| not a typical Mine Phase - prob. much alt'd and structurally deformed - tex. often indistinct (silicification?) | ND | | 35-40 | 1/20 x 2 | gg-lim-mal | | | | 40 | 90 | | | .09 ox | | | | |
| and of variable grn size - a sample is collected every ten feet for geol. analysis. | ND | | 25+30 x 2 | 1/2 - 1/4 x 3 | qtz x 3 | | <0.5 | | 46 | 90 | 33 | 97027 | .05 | .001 | | .10 | |
| Fault @ 54'-60' | | | 60+30 x 2 | 1/3 - 1/4 x 6 | qtz x 6 | | | | | | | | .05 ox | | | | |
| throughout most of this hole, and particu- larly the min. sections, the rx is only weakly saws. alt'd - approx. in a dk. vuggy alt'd phase. | ND | | 70-30 x 10 | 1/10 - 1/2 x 10 | qtz-stk wks | | <0.5 | | 56 | 80 | 7 | 97028 | .09 | .001 | .08 | .08 | |
| | | | 10-15 | 1/20 x 2 | gg-lim-mal x 2 | | | | | | | | .06 ox | | | 3905 | |
| | | | 50-40 x 2 | 1/2 x 3 | lim - MnO ₂ (mal) x 3 | | <0.5 | | 63 | | | | | | | | |
| | | | ? | 6' | gg-bx (+ 5 1/2' lost core) | | | | | | | | | | | | |
| | | | 35 x 2 | 1/3 x 2 | qtz x 2 | | | | | | | | | | | | |
| | | | 30 | 3' | qtz-chl-carb (lim) zone | | <0.5 | | | | 13 | 97029 | .08 | .001 | | .05 | |
| | | | ? | 14" | gg-bx | | | | | | | | .08 ox | | | | |
| | | | 40-70 | 2 1/2' | qtz-chl-ep (lim) zone | | | | 70 | | | | | | | | |

METRES

0
3.05
6.10
9.14
12.19
15.24

0
10
20
30
40
50
60
70
80
90

0
10
20
30
40
50
60
70
80
90

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 2 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Vein L to Core Mitt | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Footage Discard. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | |
|-------------------------|------------------------|----------------|---------------------------|------------------|----------------|--|-----------------------|---------------|-----------|---------------------|------------------------------------|-------|------------------|---------|---------|--------------------|--|-----|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade | | | |
| 0 | 0 | | | | | 0 | | | | | | | | | | | | | |
| 3.05 | 10 | | | | | 10-20 | <0.5 | | | 76 | 30 | 0 | 987030 | .16 | .001 | | | .05 | |
| | | | | | | 20-30 | | | | | | | | | | | | | |
| 6.10 | 20 | | | | | 30-40 | <0.5 | | | 80 | 25 | | | | | | | | |
| | | | | | | 40-50 | | | | | | | | | | | | | |
| 9.14 | 30 | | | | | 50-60 | <0.5 | | | 86 | 50 | 0 | 987031 | .14 | .001 | | | .14 | |
| | | | | | | 60-70 | | | | | | | | | | | | | |
| 12.19 | 40 | | | | | 70-80 | <0.5 | | | 91 | 70 | | | | | | | | |
| | | | | | | 80-90 | | | | | | | | | | | | | |
| 15.24 | 50 | | | | | 90-100 | <0.5 | | | 96 | 25 | 0 | 987032 | .19 | .001 | | | .12 | |
| | | | | | | 100-110 | | | | 99 | 90 | | | | | | | | |
| 18.29 | 60 | | | | | 110-120 | <0.5 | | | 105 | 90 | 3 | 987033 | .63 | .001 | | | .20 | |
| | | | | | | 120-130 | | | | | | | | | | | | | |
| | | | | | | 130-140 | <0.5 | | | 111 | 95 | | | | | | | | |
| | | | | | | 140-150 | | | | | | | | | | | | | |
| | | | | | | 150-160 | <0.5 | | | 116 | 90 | 57 | 987034 | .20 | .003 | | | .14 | |
| | | | | | | 160-170 | | | | | | | | | | | | | |
| | | | | | | 170-180 | <0.5 | | | 126 | 95 | 47 | 987035 | .20 | .018 | | | .12 | |
| | | | | | | 180-190 | | | | | | | | | | | | | |

METRES

FEET

Since gra var.
1/2" - 1/4" dia gas

* first vein sulfide
- fine dissem py occurs
near top of hole

WI: 1499

WI = 1499

3862-

Estimated
Grade

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 3 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Yield % to Core Vols | Width of Vain | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Feeling Block. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|---|------------------------|----------------|----------------------------|------------------|--|---|-----------------------|---------------|-----------|-------------------|------------------------------------|------------|------------------|---------|---------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade |
| mainly dx alt'n. 132' - 170' - This may also contain carb. and sparse disse cp-bo | 15-20 wk. Mod | 140 | ? | 12" | gg-bx gg-bx qtz-chl (M) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | w1 = 14.99 | 134 | 85 | 50 | 9 87036 | .34 | .021 | .08 | |
| | | | | | | | | | 137 | 85 | | | | | | |
| | 10-20 Mod | 150 | ? | 8" | gg-bx chl-py qtz-chl-(cp)(bo) x2 qtz-chl-(cp) x3 qtz | 0 10 20 30 40 50 60 70 80 90 | 40.5 | w1 = 14.99 | 142 | 100 | 47 | 9 87037 | .20 | .003 | .15 | |
| | 10-20 Mod | 160 | ? | 14" | chl qtz-chl qtz-chl zone | 0 10 20 30 40 50 60 70 80 90 | <0.5 | w1 = 14.99 | 156 | 85 | 20 | 9 87038 | .17 | .004 | .08 | |
| | 10-20 Mod | 170 | ? | 20" | gg-bx qtz | 0 10 20 30 40 50 60 70 80 90 | <0.5 | w1 = 16.43 | 162 | 95 | 40 | 9 87039 | .28 | .015 | .25 | |
| | 10-15 str. | 180 | ? | 3' | qtz-chl-carb-spec zone qtz-carb | 0 10 20 30 40 50 60 70 80 90 | <0.5 | w1 = 16.43 | 172 | 90 | 47 | 9 87040 | .21 | .004 | .10 | |
| | 10-15 str. | 190 | ? | 1/2 x 3 | chl-(bo) x3 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | w1 = 16.43 | 181 | 95 | 27 | 9 87041 | .19 | .005 | .15 | |

METRES

3.05

6.10

9.14

12.19

15.24

18.29

0

10

20

30

40

50

60

FEET

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 4 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Value L to Core Y | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Feeling Discard. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|------------------------|--------------------------|--------------------------------|------------------|--|---|-----------------------|---------------|-----------|---------------------|------------------------------------|-------|------------------|---------|---------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade |
| 0 | NO | 20x2 60 70 | 1/2x2 1/2 | 1/2 | qtz-chl (cp)(Cba) x2 qtz qtz(Ma) | 0 10 20 30 40 50 60 70 | <0.5 | W1 = 16.43 | 193 | 30 | 90 | 9 | 87042 | .30 | .011 | .24 |
| | | | | | | | | | 200 | | | | | | | |
| 3.05 | 10 | 60x2-50x2 35 60x3 | 1/2-1/2x4 1/2 1/2x3 | 1/2 | qtz-chl (cp)(Cba) x4 qtz qtz-chl-cp(Cb) x3 | 0 10 20 30 40 50 60 70 | <0.5 | W1 = 16.43 | 205 | 27 | 70 | 9 | 87043 | .16 | .022 | .08 |
| 6.10 | 20 | 20x2 45 70 20x3 | 1"-1/2 10" 1/20 1/4x3 | 1" | qtz-carb x2 qtz-chl-(vug) chl-cp qtz-(vug) x3 qtz-carb | 0 10 20 30 40 50 60 70 80 90 | | | 210 | | | | | | | |
| 9.14 | 80 WK | 45+? 40 ? | 14"+10" 12" 6" | 1/2 | qtz-carb-chl (vug) x2 qtz-carb qtz | 0 10 20 30 40 50 60 70 80 90 | <0.5 | W1 = 16.43 | 215 | 30 | 98 | 9 | 87044 | .21 | .006 | .05 |
| | | | | | | | | | 220 | | | | | | | |
| 12.19 | 45 WK | 30x4 70 5 | 1/10+1/4 1/4 1/8 | 1/2 | qtz-chl(cp)x2 qtz-(Ma)(cp) qtz-chl-carb-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | W1 = 13.37 | 226 | 60 | 90 | 9 | 87045 | .25 | .004 | .10 |
| | | | | | | | | | 230 | | | | | | | |
| 15.24 | 20- 80 STR | 20-80 | 10' | 10' | qtz-chl-carb (cp) zone | 0 10 20 30 40 50 60 70 80 90 | <0.5 | W1 = 13.37 | 236 | 30 | 90 | 9 | 87046 | .19 | .007 | .18 |
| | | | | | | | | | 240 | | | | | | | |
| 18.29 | 70 STR | 30 80 | 1/2 1/2x2 | 1/2 | qtz qtz-chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | W1 = 13.37 | 246 | 33 | 85 | 9 | 87047 | .16 | .026 | .10 |
| | | | | | | | | | 250 | | | | | | | |

METRES

FEET
0
10
20
30
40
50
60

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 5 of 11

| ROCK TYPES & ALTERATION | | L to Core Foliation | GRAPHIC LOG | Veins L to Core Axis | Width of Vein | Mineralisation | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Feetage Direct | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|--|------------------------|---|---|------------------|---|---|-----------------------|---|------------|-------------------|------------------------------------|------------|----------------|---------|------------------|---------|
| | | | | | | | | | LEACH CAP | LIM. ZONE | | | | SUPERGENE | REMARKS | Sample Number | % Cu |
| | | 80 57 | 80 70x2 10 25 260 | 1/3 1/2x2 1/8 1/4 | | qtz-mag-(cp) qtz+qtz-chl qtz-chl(cp) qtz((cp)) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | WI=13.37 | 255 | 90 | 50 | 9 87048 | .21 L.o.l.x | .010 | .21 37±5 | .10 |
| | | 80 WK | 40 80x2 45+50x3 80x3 80+25 30+50 270 | 1/10 1/10+1/8 1/3+1/10x3 1/2x3 1/4+1/10 1/2x2 | | qtz-chl-cp qtz-chl x2 qtz-chl-(cp) qtz-chl-cpx2 qtz-chl(cpx)x2 qtz-chl x2 qtz-chl-(cp) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | -The veins in this hole are not clearly defined. nor is the distribution of cp confined to the vein - most cases, the cp. is dissem. across the vein and into the wall | 263 266 | 95 | 50 | 9 87049 | .25 L.o.l.x | .008 | | .18 |
| | | 80 NS | 60 70x2 50 70 30 80 40 20 280 | 1/2 1/10x2 1/8 1/8 1/8 1/8 1/8 1/8 1/2x2 1/2x2 | | qtz-chl-mag-cp qtz-chl-cpx qtz-chl-cp qtz-chl(cpx) qtz-chl-cp qtz-chl-(W) (cp) qtz-chl-cp qtz-chl-mag-cp qtz-chl-mag-cp x2 qtz-chl-mag-cp x3 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | -much of the core is sl. vuggy and soft. | 276 | 95 | 57 | 9 87050 | .66 L.o.l.x | .020 | | .40 |
| | | 80 WK | 60 60x2 60 80 50 290 | 1/4x2 1/8 1/8 1/8 1/2x3 | | qtz-chl-cp qtz-chl-cpx2 qtz-chl-cp qtz-mag(cpx) qtz-mag-cp qtz-chl-cpx3 chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | WI = 11.22 | 286 | 95 | 53 | 9 87051 | .55 L.o.l.x | .022 | | .35 |
| | | 80 WK | 40 60 45 80 70 80 80x3 300 | 3/8 1/8 1/8 1/8 1/10 1/10x3 1/8 | | qtz-chl-cp qtz-chl-cp qtz-chl-cp qtz-chl-mag-cp qtz-chl-cp qtz-chl-cpx3 qtz-chl-cp-mag-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | WI = 11.22 | 296 | 95 | 43 | 9 87052 | .56 L.o.l.x | .016 | | .40 |
| | | 80 WK | 60 60 40 70 80 60+50+70x2 80x3 310 | 2/8 1/8 1/8 1/2 1/4 1/4x4 1/10x3 3/8 | | qtz-chl-mag-cp qtz-chl-cp qtz-chl-cp qtz-chl-mag(cpx) qtz-chl-cp qtz-chl(cpx) x4 qtz-chl-cpx3 qtz-chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | WI = 11.22 | 305 | 80 | 37 | 9 87053 | .64 L.o.l.x | .029 | | .30 |

METRES

0
3.05
6.10
9.14
12.19
15.24
18.29

0
10
20
30
40
50
60

| ROCK TYPES & ALTERATION | | GRAPHIC LOG | Values to Core 7' | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Footage Discard. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | |
|-------------------------|-----|-------------|-------------------|------------------|----------------|---|---|---------------|-----------|------------------|---------------------------|-------|---------------|------|------|------------------|--------------------|----|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | % S ₂ | Estimated Grade | | |
| 80 Mod | 320 | 0-80 | 2" | qtz-chl-cp | 0 | <0.5 | 111 = 1.22 | 315 | 95 | 70 | 9 | 87054 | .37 | .024 | 3680 | -25 | | | |
| | | 80-100 | 1/8 | qtz-chl (cp) x 3 | 10 | | | | | | | | | | | | qtz-cp | 20 | qtz-chl (cp) |
| 80 Mod-str. | 330 | 0-80 | 2" | qtz | 0 | <0.5 | 111 = 1.22 | 326 | 90 | 50 | 9 | 87055 | .41 | .037 | | .28 | | | |
| | | 80-100 | 1/8 | qtz-chl-cp | 10 | | | | | | | | | | | | qtz-chl-cp x 8 | 20 | chl-cp |
| 70 Mod | 340 | 0-80 | 2" | qtz-chl-cp | 0 | <0.5 | A this, and most of the other mag veins consist of a central qtz-mag (cp) vein and a chl-cp envelope or hole. WI = 10.8 | 336 | 95 | 67 | 9 | 87056 | .42 | .026 | | .30 | | | |
| | | 80-100 | 1/2 + 1/8 x 2 | qtz-chl (cp) x 3 | 10 | | | | | | | | | | | | qtz-chl (cp) | 20 | qtz-chl (mag) (cp) |
| 70 Mod | 350 | 0-70 | 1/2 | qtz-chl-cp | 0 | <0.5 | WI = 14.38 | 346 | 95 | 60 | 9 | 87057 | .35 | .012 | | .25 | | | |
| | | 70-100 | 1/2 | qtz-chl-mag (cp) | 10 | | | | | | | | | | | | qtz-chl (cp) x 2 | 20 | qtz-chl (cp) x 2 |
| 70 WK | 360 | 0-60 | 1/2 + 1/8 | qtz-chl (cp) x 2 | 0 | <0.5 | WI = 14.35 | 356 | 95 | 57 | 9 | 87058 | .27 | .013 | | .25 | | | |
| | | 60-100 | 1" x 2 | qtz-chl (cp) x 2 | 10 | | | | | | | | | | | | chl (qtz) (cp) x 2 | 20 | qtz-chl (cp) x 2 |
| 70 WK | 370 | 0-40 | 1/2 | qtz (cp) | 0 | <0.5 | WI = 17.38 | 366 | 98 | 43 | 9 | 87059 | .32 | .010 | 3635 | .30 | | | |
| | | 40-100 | 1/8 x 2 | qtz-chl (cp) | 10 | | | | | | | | | | | | qtz-chl-cp x 2 | 20 | qtz-chl (cp) x 2 |

METRES

FEET

0 3.05 6.10 9.14 12.19 15.24 18.29

0 10 20 30 40 50 60

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 7 of 11

| METRES | FEET | ROCK TYPES & ALTERATION | GRAPHIC LOG | GRAIN SIZE | SHAPE | DISTRIBUTION | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | Estimated Grade |
|--------|------|-------------------------|-------------|-------------|--------------------------|--------------|---|--------------------|---------------|-----------|---------------------------|-------|---------------|------|------|-----------------|
| | | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | |
| | | | | | | | | | REMARKS | | | | | | | |
| | | | | | | | | | Footage | | | | | | | |
| 0 | 0 | | 70x2+25 | Y10x3 | qtz-chl-cpx | 0 | | | | | | | | | | |
| | | | 70-70x10 | Y8-Y2x10 | qtz-chl-cpx | 10 | | | | | | | | | | |
| | | | 80 | Y2 | at3-chl-cp | 20 | | | | | | | | | | |
| | | | 90 | 5' | qtz-chl-carb (cp) ((bo)) | 30 | | | | | | | | | | |
| | | | 380 | | | 40 | | | | | | | | | | |
| 3.05 | 10 | | 90 | 3' | qtz-chl-carb (cp) | 50 | | | | | | | | | | |
| | | | 80 | 4" | qtz-ser-(Mo) | 60 | | | | | | | | | | |
| | | | 390 | 3' | qtz-ep (cp) ((Mo)) | 70 | | | | | | | | | | |
| | | | 400 | | | 80 | | | | | | | | | | |
| 6.10 | 20 | | 70 | 2 1/2 | qtz-chl-cp | 90 | | | | | | | | | | |
| | | | 70 | 3' | qtz-ser-carb (cp) | 10 | | | | | | | | | | |
| | | | 70 | 7' | qtz-ep (cp) | 20 | | | | | | | | | | |
| | | | 70? | | | 30 | | | | | | | | | | |
| | | | 400 | | | 40 | | | | | | | | | | |
| 9.14 | 30 | | 70? | 2' | qtz-ep (cp) | 50 | | | | | | | | | | |
| | | | 80 | 3' | qtz-chl-ep-cp (bo) | 60 | | | | | | | | | | |
| | | | 70 | Y3 | qtz-chl-cp | 70 | | | | | | | | | | |
| | | | 60x3 | Y2x3 | qtz-cpx | 80 | | | | | | | | | | |
| | | | 80 | Y8 | qtz-chl-(cp) | 90 | | | | | | | | | | |
| | | | 410 | | | 10 | | | | | | | | | | |
| | | | 60 | 1" | qtz-chl-cp | 20 | | | | | | | | | | |
| | | | 70x3 | Y10x3 | qtz-chl-cpx | 30 | | | | | | | | | | |
| | | | 80 | Y2 | qtz | 40 | | | | | | | | | | |
| | | | 80 | 2" | qtz-chl-cp | 50 | | | | | | | | | | |
| | | | 45x2 | Y4x2 | qtz-chl-cp (bo) x2 | 60 | | | | | | | | | | |
| | | | 80 | 2' | qtz-chl-cp | 70 | | | | | | | | | | |
| | | | 50 | Y8 | qtz-chl-cp | 80 | | | | | | | | | | |
| | | | 420 | | | 90 | | | | | | | | | | |
| | | | 20x2+80x2 | Y8+Y4+Y10x2 | qtz-chl-cpx | 10 | | | | | | | | | | |
| | | | 80 | 2" | qtz-chl-ep-cp | 20 | | | | | | | | | | |
| | | | 80 | 3" | qtz-chl-cp | 30 | | | | | | | | | | |
| | | | 65 | 2" | qtz-chl-(Mo)-cp | 40 | | | | | | | | | | |
| | | | 8-90x4 | Y8-Y2x4 | qtz-chl-cpx | 50 | | | | | | | | | | |
| | | | 45 | 1" | qtz-chl-cp | 60 | | | | | | | | | | |
| | | | 40 | 4" | qtz-chl-cp | 70 | | | | | | | | | | |
| | | | 430 | | | 80 | | | | | | | | | | |
| | | | | | | 90 | | | | | | | | | | |

METRES

FEET

3.05

6.10

12.19

15.24

18.29

10

20

30

40

50

60

Bo-Str

Bo-Mod

70-90 Mod

70 Mod

Bo Mod

ND

Footage

376

386

394

401

406

415

425

95

Estimated Core Recovery %

95

95

95

90

95

90

85

95

Sample Number

9
87060

9
87061

9
87062

9
87063

9
87064

9
87065

% Cu

.69

.47

.32

.39

.59

.44

% Mo

.014

.078

.014

.014

.030

.022

Estimated Grade

.30

.28

.20

.25

.30

.35

W1 = 14.38

W1 = 21.19

W1 = 21.19

W1 = 21.19

W1 = 21.19

W1 = 21.19

ferritic cp

.46
3590

↓

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 8 of 11

| ROCK TYPES & ALTERATION | 7 to Core Foliation | GRAPHIC LOG | 7 to Core Vena All | Width of Vena | Illustration | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | | |
|-------------------------|---------------------------|-------------|-----------------------------|--------------------|---------------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|--|--|--|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 30-35 | 35 | | 1/2 | qtz-chl-ep | 0 | | | | 432 | | | | | | | | | |
| | 35-40 | 40 | 60-80 x 4 | 1/2 x 4 | qtz-chl-cp x 4 | 10 | | | | | | | | | | | | | |
| | 40-45 | 45 | 70 | 8" | cp | 20 | | | | | | | | | | | | | |
| | 45-50 | 50 | 80 | 5" | qtz-chl-carb (co) | 30 | | | | | | | | | | | | | |
| | 50-55 | 55 | 45 | 1/2 | qtz-chl-carb-cp | 40 | | | | | | | | | | | | | |
| | 55-60 | 60 | 50 | 1/4 | qtz-Mo | 50 | | | | | | | | | | | | | |
| | 60-65 | 65 | 70 x 2 | 1/10 x 2 | qtz-chl (cp) x 2 | 60 | | | | | | | | | | | | | |
| | 65-70 | 70 | 80 | 1/3 | qtz-chl-cp | 70 | | | | | | | | | | | | | |
| | 70-75 | 75 | 70 x 2 + 80 | 1/2 + 1/8 + 1/4 | chl (qtz) - cp x 3 | 80 | | | | | | | | | | | | | |
| | 75-80 | 80 | 80 | 1/2 | qtz-chl-cp | 90 | | | | | | | | | | | | | |
| | 80-85 | 85 | 5 + 90 | 1/4 | qtz-cp | 0 | | | | | | | | | | | | | |
| | 85-90 | 90 | 80 + 70 | 1/10 x 2 | qtz-chl-cp x 2 | 10 | | | | | | | | | | | | | |
| | 90-95 | 95 | 80 + 70 | 1/10 x 2 | qtz-chl (cp) x 2 | 20 | | | | | | | | | | | | | |
| | 95-100 | 100 | 80 | 1/8 | qtz-chl-cp | 30 | | | | | | | | | | | | | |
| | 100-105 | 105 | 80 | 6" | chl-cp | 40 | | | | | | | | | | | | | |
| | 105-110 | 110 | 90 | 1/10 | qtz-chl-cp | 50 | | | | | | | | | | | | | |
| | 110-115 | 115 | 80 + 90 | 1/8 + 1/10 | qtz-chl-cp x 2 | 60 | | | | | | | | | | | | | |
| | 115-120 | 120 | 90 | 1/2 | qtz-chl-cp | 70 | | | | | | | | | | | | | |
| | 120-125 | 125 | 80-90 x 6 | 1/10 x 6 | qtz-chl-cp x 6 | 80 | | | | | | | | | | | | | |
| | 125-130 | 130 | 80 x 2 | 1/2 x 2 | qtz-chl-cp x 2 | 90 | | | | | | | | | | | | | |
| | 130-135 | 135 | 90 | 1/4 | qtz | 0 | | | | | | | | | | | | | |
| | 135-140 | 140 | 5 | 1/10 | qtz-chl-cp | 10 | | | | | | | | | | | | | |
| | 140-145 | 145 | 5 + 90 x 3 | 1/10 x 3 | qtz-chl-cp x 3 | 20 | | | | | | | | | | | | | |
| | 145-150 | 150 | 70 | 8" | qtz (Mo) (Co) | 30 | | | | | | | | | | | | | |
| | 150-155 | 155 | 80 x 5 + 30 x 10 | 1/10 x 5 + 1/8 x 2 | qtz-chl-cp x 7 | 40 | | | | | | | | | | | | | |
| | 155-160 | 160 | 80 x 5 | 1/10 + 1/8 x 5 | qtz-chl (cp) x 5 | 50 | | | | | | | | | | | | | |
| | 160-165 | 165 | 90 | 1/8 | qtz-chl-cp | 60 | | | | | | | | | | | | | |
| | 165-170 | 170 | 80 x 3 | 1/10 x 3 | qtz-chl-cp x 3 | 70 | | | | | | | | | | | | | |
| | 170-175 | 175 | 90 | 1/4 | qtz | 80 | | | | | | | | | | | | | |
| | 175-180 | 180 | 5 | 1/10 | gg-hen | 90 | | | | | | | | | | | | | |
| | 180-185 | 185 | 80 x 5 | 1/10 + 1/8 x 5 | qtz-chl (cp) x 5 | 0 | | | | | | | | | | | | | |
| | 185-190 | 190 | 90 | 1" | qtz-cp | 10 | | | | | | | | | | | | | |
| | 190-195 | 195 | 80 x 2 | 1/10 | qtz-chl-cp-Mo | 20 | | | | | | | | | | | | | |
| | 195-200 | 200 | 90 | 1/2 + 1/8 | qtz-chl-cp x 2 | 30 | | | | | | | | | | | | | |
| | 200-205 | 205 | 80 x 2 | 1/2 | qtz-carb-cp | 40 | | | | | | | | | | | | | |
| | 205-210 | 210 | 45-70 | 1/10 + 1/20 | fine chl-cp stk wks | 50 | | | | | | | | | | | | | |
| | 210-215 | 215 | | | | 60 | | | | | | | | | | | | | |
| | 215-220 | 220 | | | | 70 | | | | | | | | | | | | | |
| | 220-225 | 225 | | | | 80 | | | | | | | | | | | | | |
| | 225-230 | 230 | | | | 90 | | | | | | | | | | | | | |
| | 230-235 | 235 | | | | 0 | | | | | | | | | | | | | |

METRES

0
3.05
6.10
9.14
12.19
15.24
18.29

FEEET

0
10
20
30
40
50
60

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 9 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Yield 7" to Core | Width of Vain | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Feet to Discard | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------------------|------------------------|-------------|----------------------------|------------------------------|--|--|-----------------------|---------------|-----------|--------------------|------------------------------------|-------|------------------|---------|---------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade |
| | 70 WK | | 50+60 50 70x2 | 1/4+1/8 1/2 1/2x2 | qtz-cpxz qtz-chl (vug) qtz-chl-cpxz | | <0.5 | | | 491 | 75 | 23 | 97072 | .12 | .004 | .15 |
| | 80 WK | | 80 80 80 80 | 1/8 2" 1/2x3 2" | qtz-cp qtz-chl-cp qtz (chl) ep-chl-py-cp | | <0.5 | | | 506 | 90 | 47 | 97073 | .06 | .004 | .14 |
| | 70 WK | | 65 70x3 70+60 | 1/10 1/4+1/8x2 1/4x2 | qtz (cp) qtz (cp) qtz-chl (cp) qtz (cp)x3 qtz-chl-x2 | | <0.5 | | | 514 | 95 | 63 | 97074 | .04 | .002 | .19 3500 .10 |
| | 70 WK | | 70 15 5 70+60 | 1/4 1/4 1/3 1/3+1/2 | qtz (cp) qtz-chl qtz qtz-chl (cp)x3 | | <0.5 | | | 524 | 90 | 37 | 97075 | .04 | .002 | .10 |
| small fault | ND | | 20 25+40+80x2 | 4" 6" 1/8x4 | gg-bx hem qtz-chl-carb-mag-cp qtz-chl (cp) | | <0.5 | | | 530 | 55 | 10 | 97076 | .11 | .002 | .15 |
| <u>SERRATE PHASE</u> (538'-578') | ND | | 5 30-70x10 15x3+10x5 | 1/8 1/10-1/8x10 1/4x6 | qtz qtz-chl stkwics qtz x3 + qtz-chl x3 | | <0.5 | | | 541 | 95 | 30 | 97077 | .03 | .006 | .08 |

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15, 9715

METRES

0
3.05
6.10
9.14
12.19
15.24
18.29

0
10
20
30
40
50
60

a complex, very
hard siliceous rx
~ 50% qtz as rounded
mass up to 1/4" dia

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-16
SHEET No. 10 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG Foliation Alteration Foliation | Value L to Core ' | Width of VIA | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | | | | | | | |
|--|------------------------|---|-------------------------|-----------------|-----------------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|----------------------------|-------------------------------|--------|---------|----|----|----|----|----|----|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | | | | | | | | | |
| but also making up a fine gr. matrix for the other constituents 25-35% saws plag as subhedral small (30-40) dia prisms and scatters anhedral gr. up to 1/4" dia | ND | 560 | 1" | 1" | qtz | 0 | <0.5 | | 553 | 90 | 17 | 97078 | .06 | .006 | .05 | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | qtz-chl | qtz-ch | qtz-chl | | | | | | |
| - 10-20% chl as rounded blobs up to 1/4" dia with fuzzy boundaries - grades in places to Granite Mtu Phase and also to Leucocratic Phase | ND | 570 | 1/10 | 1/10 | chl-cp | 0 | <0.5 | | 568 | 90 | 17 | 97079 | .03 | .002 | .05 <small>2055</small> | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | chl | | | | | | | | |
| 578' | ND | 580 | 1/2" | 1" | qtz | 0 | <0.5 | | 574 | 80 | 10 | 97080 | .01 | .002 | .05 | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | qtz } highly broken 99% rx | | | | | | | | |
| MAJOR FAULT ZONE (578-602) | ND | 590 | 10' | 10' | gg-bx (~6' lost core) | 0 | <0.5 | | 586 | 15 | 0 | 97081 | .03 | .002 | .05 | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | gg-bx | | | | | | | | |
| main dislocation appears to be @ 586-590' | ND | 600 | 10' | 10' | bx (gg) | 0 | <0.5 | | 596 | 55 | 0 | 97082 | .03 | .010 | .05 | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | bx (gg) | | | | | | | | |
| MINE PHASE QUARTZ DIORITE (602-646) same as above.) | ND | 610 | 2' | 1/2 + 1/4 | gg-hem x2 | 0 | <0.5 | | 602 | 90 | 20 | 97083 | .02 | .002 | .05 | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | | | | | | | | | | | | | | | | gg-hem x2 | | | | | | | | |

GEOLOGICAL
BRANCH
ASSESSMENT
REPORT
15, 945

METRES

0
3.05
6.10
9.14
12.19
15.24
18.29

0
10
20
30
40
50
60

GIBRALTAR MINES LTD.

HOLE No. 87-15
SHEET No. 11 of 11

GRID _____

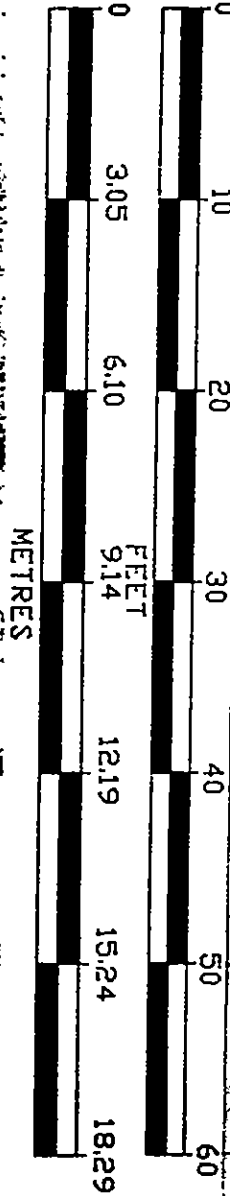
| ROCK TYPES & ALTERATION | 7 to Core Foliation | GRAPHIC LOG Foliation Alteration Footage | Veins 7 to Core Vail | Vein -Width- Vail | Microthelion | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Footage Discard. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | |
|-------------------------|------------------------|---|----------------------------|-------------------------|------------------|--|-----------------------|---------------|-----------|---------------------|------------------------------------|-------|------------------|---------|---------|--------------------|--|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade | | |
| 0 | | | 60 | 12" | gg-bx | 0 | | | | | | | | | | | | |
| 3.05 | ND | 35 | 3" | | gg-bx | 0-90 | 40.5 | 618 | 98 | 33 | 87084 | .02 | .004 | .02 | 340 | | | |
| 6.10 | ND | 60 x 2 | 3" | | gg-bx-hex | 0-90 | <0.5 | 623 | 95 | 10 | 97085 | .03 | .002 | | | | | |
| 9.14 | ND | 60 x 2 | 1/8 x 2 | | qtz-ehl-py + qtz | 0-90 | <0.5 | 630 | 80 | | | | | | | | | |
| 12.19 | ND | 35 | 1/3 | | qtz | 0-90 | <0.5 | 634 | 85 | | | | | | | | | |
| 15.24 | ND | 60 | 1/8 | | qtz | 0-90 | <0.5 | 640 | 90 | 17 | 97086 | 1.04 | .002 | | | | | |
| 18.29 | F.O.K. | 60 | 1 1/2 | | gg-bx | 0-90 | <0.5 | 646 | 60 | | 97087 | .01 | .002 | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

15,045
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

M.R. Shaw
 for G.D. Bysouth

METRES

FEET



GRID _____

GIBRALTAR MINES LTD.

HOLE No. 87-17

SHEET No. 1 of 11

LOCATION POLLYANNA SOUTH WALL

BEARING N 20° E

LATITUDE 48656.00

CORE SIZE N.Q.W.

LOGGED BY G.D.B.

DATE COLLECTED 05-May-87

LENGTH 644'

DEPARTURE 52286.00

SCALE OF LOG 1"=10'

DATE May 11-13, 1987

DATE COMPLETED 07-May-87

DIP -55° @ collar; -65° @ 350'; -65° @ 644'
-62° used in computer

ELEVATION 3946.00

REMARKS similar to 87-15 and 87-16 but more py. less bn. and steeper structures (to core axis)

| ROCK TYPES & ALTERATION | GRAPHIC LOG | FALLING TO CORE 7' | FALLING TO CORE 7' | WIDTH OF VOA | MINERALIZATION | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | | |
|---|-------------|--------------------|--------------------|--------------|-----------------------------|---|--------------------|---------------|-----------|---------------------------|-------|---------------|-------|-------|-----------------|--|----|------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | | | |
| Casing To 10' | | | | | | | | | | | | | | | | | | |
| MINE PHASE QUARTZ DIORITE (10'-181') | 10' | | 70-80x10 | 1/10-1/2x10 | qtz x 10 | | | | | | | | | | | | | |
| typical | 20' | 80 WK | 30x2 | 2"x1" | qtz x 2 | | <0.5 | | | 90 | 30 | 97176 | .02 | <.002 | | | 10 | .0x. |
| ~1/10-1/8" avg. grn size ~20% chl 30% qtz fs-50% saus. | 30' | 90 WK STR. | 60-75x6 | 1/4-1/3x6 | qtz x 6 | | | | | 90 | | | | | | | | |
| down to ~20' | 40' | | 90 | 5' | vugsy-qtz-carb-chl-lim zone | | <0.5 | | | 85 | 17 | 97177 | .05 | .002 | | | 12 | .0x. |
| The spar appears supergene alt'd (ie soft + bleached) | 50' | ND | 50-70 x 5 | hlex 5 | lim-MnO2-mal x 5 | | | | | 85 | 40 | 97178 | .06 | .002 | | | 10 | .0x |
| | | | 60-80 x 12 | 1/10-1/2 x 5 | qtz x 12 | | <0.5 | | | 98 | | | .050x | | | | | |
| | | | 65-90 x 20 | 1/8-1" x 20 | qtz x 20 | | | | | 95 | 57 | 97179 | .06 | .002 | | | 10 | .0x |
| | | | 60x3 | hlex 20x3 | gg-lim-mal x 3 | | <0.5 | | | | | | .050x | | | | | |
| | | | 10-15x4 | hlex 4 | MnO2 x 4 | | | | | | | | | | | | | |
| | | | 10-90 | X-1/2 | qtz-stk wks | | | | | | | | | | | | | |

METRES

3.05
6.10
9.14
12.19
15.24

FEET

0
10
20
30
40
50

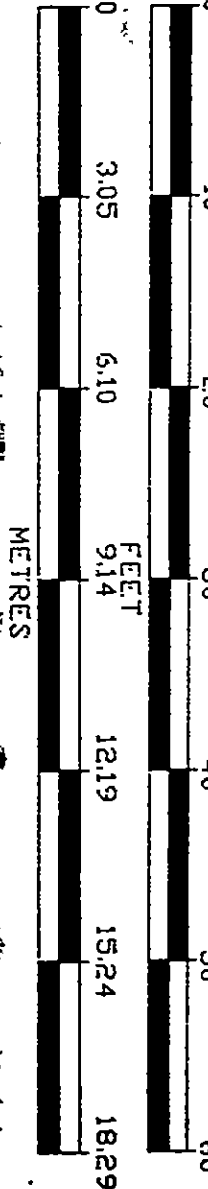
GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 2 of 11

| ROCK TYPES & ALTERATION | L to Core Recovery | GRAPHIC LOG | Veins L to Core Axis | Width Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|-----------------------|----------------|---|---|--|---|-----------------------|---------------|----------------|------------------|------------------------------------|-------|---------------|---------|--------------------|--|
| | | | | | | | | LEACH CAP | Feet Block. | Sample Number | | | % Cu | % Mo | Estimated Grade | |
| | | | | | | | | LIM. ZONE | | | | | | | | |
| | | | | | | | | SUPERGENE | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |
| | ND | 60 | 50 54+60+70 65+70+80 20 | 1" 1/8-1/2 x 4 1"+1 1/2 x 3 6" | qtz qtz x 4 qtz (lim) x 3 qtz | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 53 | 70 | 40 | 97180 | .06 .050x | .002 | .10 | |
| | ND | 70 | 26 20+60 x 8 50 x 3 | 1/4 1/8-1/2 x 9 1/2 x 3 | qtz-chl-MnO2 qtz-lim x 9 qtz-lim x 3 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 62 | 100 | 30 | 97181 | .05 .040x | <0.002 | .08 | |
| | ND | 70 | 15+20 40-80 | hlc x 2 1/4-1/2 | MnO2 (mal) x 2 qtz-stk wks | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 70 | 95 | 37 | 97182 | .07 .060x | <0.002 | .05 | |
| | ND | 80 | 40 x 3 40 x 4 80 x 6 50-70 x 10 10 | 2"+1"+3" 1/4-1/2 x 4 1/8-1/2 x 6 1/4-1/2 x 10 1/2 | qtz-lim x 3 qtz x 4 qtz x 6 qtz x 10 gg-lim (mal) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 80 | 90 | 20 | 97183 | .09 .080x | <0.002 | .10 .0x | |
| | ND | 90 | 60+50 x 3 40+45 x 2 60 40+70 40-70 | 16" 2"+1 1/2 x 2 1/2 x 2 1" x 2 1/2-2" | gg-bx-lim qtz x 3 chl-lim (mal) x 2 chl-lim qtz-lim x 2 qtz stk wks | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 90 | 90 | 27 | 97184 | .07 .060x | .002 | .08 .0x 3860 | |
| | ND | 100 | 60 x 10 30+70 90 x 6 20+80 70 x 3 90 x 5 | 1/8-1/4 x 10 1/2 x 2 hlc x 6 1/2+2 1/2 1/4 x 3 hlc x 5 | qtz x 10 qtz x 2 lim x 6 qtz-lim x 2 qtz x 3 lim x 5 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 96 | 95 | 27 | 97185 | .11 .090x | <0.002 | .18 .0x | |
| | ND | 110 | 60-70 x 6 ? | 1/2 x 6 2 1/2" 5' | lim (mal) x 6 gg-bx-(lim) (mal) qtz (chl) zone | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 106 | | | | | | | |

151945
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT



GRID

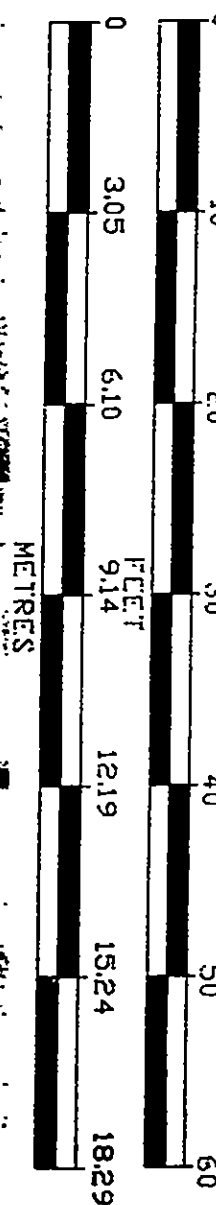
GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 3 of 11

| ROCK TYPES & ALTERATION | GRAPHIC LOG | GRAIN SIZE | MINERALOGY | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|-------------------------|-------------|------------------|---------------|---|--------------------|---------------|-----------|---------------------------|-------|---------------|--------------|------|-----------------|--|
| | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| ND | 120 | 50 | 14" | qtz-chl (lim) (Muo ₂) | 0 | <0.5 | 115 | 95 | 13 | 97186 | .14 .11ox | .002 | .14 .0x | |
| | | 60 x 4 | 1/20 x 4 | qtz-chl-lim (mal) x 4 | | | | | | | | | | |
| | | 5 x 2 | 1/20 x 2 | qtz-Muo ₂ -lim x 2 | | | | | | | | | | |
| | | 50-70 x 5 | 1/20 x 5 | chl-lim-mal x 5 | | | | | | | | | | |
| ND | 130 | 40-60 x 5 | 1/10 x 5 | qtz-chl-mal-lim x 5 | 0 | <0.5 | 125 | 90 | 13 | 97187 | .16 .12ox | .002 | .15 .0x | |
| | | ? | 6" | qtz (mal) | | | | | | | | | | |
| | | 30 x 2 | 1/8 x 2 | qtz x 2 | | | | | | | | | | |
| | | 60 x 3 + 80 | 1/20-hlex 4 | chl-lim (mal) x 4 | | | | | | | | | | |
| NP | 140 | 50-70 | 1/4-1/2" | qtz (lim) stkwks | 0 | <0.5 | 135 | 95 | 57 | 97188 | .12 .07ox | .002 | .14 .0x | |
| | | 60 x 4 | 1/20 x 4 | qtz-mal x 4 | | | | | | | | | | |
| | | ? | 8" | qq-bx-lim-mal | | | | | | | | | | |
| | | 60 x 70 | 1/4 x 2 | qtz x 2 | | | | | | | | | | |
| Z | 150 | 50 x 3 | 1/4 x 2 | qtz x 3 | 0 | <0.5 | 145 | 90 | 30 | 97189 | .28 .08ox | .002 | .16 .0x | |
| | | 60 | 30" | qtz-chl (Ccp) | | | | | | | | | | |
| | | ? | 1/2" | qtz | | | | | | | | | | |
| | | 90 | 12" | qtz-chl (lim) | | | | | | | | | | |
| Z | 160 | 50 x 3 + 70 x 3 | 1/20 x 3 | lim-mal x 3 | 0 | <0.5 | 152 | 95 | 60 | 97190 | .11 .02ox | .002 | .14 | |
| | | 60-70 x 5 | 1/4-1/3 x 5 | qtz x 5 | | | | | | | | | | |
| | | 25 x 2 | 1/3 x 2 | qtz x 2 | | | | | | | | | | |
| | | 30 x 10 | 1/10-1/3 x 10 | qtz x 10 | | | | | | | | | | |
| 90 Mod | 170 | 90 x 3 | 1/20 x 3 | qtz-chl-lim-mal x 3 | 0 | <0.5 | 162 | 95 | 30 | 97191 | .14 .02ox | .002 | .14 | |
| | | 90 + 30 + 60 x 5 | 1/8-1/2 x 7 | qtz x 7 | | | | | | | | | | |
| | | 20 x 2 | 1/10 x 2 | chl-py x 2 | | | | | | | | | | |
| | | 30 + 40 | 1/10 x 2 | qtz-chl-py-cpx x 2 | | | | | | | | | | |
| | | 15 x 2 | 1/8 x 2 | qtz-chl x 2 | 0 | <0.5 | 166 | 95 | 30 | 97191 | .14 .02ox | .002 | .14 | |
| | | 90 | 1" | qtz-chl-cp | | | | | | | | | | |
| | | 90 | 2 1/2' | qtz-chl-carb (Gp) | 0 | <0.5 | | | | | | | | |

151915

GEOLOGICAL BRANCH ASSESSMENT REPORT



GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 4 of 11

| ROCK TYPES & ALTERATION | | GRAPHIC LOG | Veins T to Core T to Core Alt | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|---------|-------------|--|---|---|---|--|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| 0 3.05 | 0 10 | 180 | 80-90 | 5' | qtz-chl-carb ((cp)) (py) | 0 10 20 30 40 50 60 70 80 90 | 0.5 | | 98 | 43 | 97192 | .14 <.01ox | .002 | | .15 |
| | | | 80 Str | 40x2 70+80 | 1/10x2 1/10x2 | qtz-chl-(py)x2 qtz-chl-py-cpx2 | 10 20 30 40 50 60 70 80 90 | | 176 | | | | | | |
| 6.10 | 20 | 190 | 80 | | qtz-cp (cc) qtz-chl-py qtz-(cp) qtz-chl-cp qtz-chl-cpx2 qtz-chl-cp chl (cp) | 0 10 20 30 40 50 60 70 80 90 | <.5 | | 95 | 43 | 97193 | .17 <.01ox | .002 | | .20 |
| | | | 80 Wk | 70 50 40 30+50 20 | 1/5 1/4 1/10 1/20 1/10x2 1/4 | | 10 20 30 40 50 60 70 80 90 | | 186 | | | | | | |
| 9.14 | 30 | 200 | No. | | hem carb-hem x2 chl-cp (Mo) ((ba)) x2 qtz (cp) (ba) qtz-chl-cp qtz x 4 | 0 10 20 30 40 50 60 70 80 90 | <.5 | | 95 | 43 | 97194 | .03 <.01ox | .002 | | .12 3770 |
| | | | 80 | 30 30x2 40x2 35 40 40x2+60x2 | n/a 1/20x2 1/20x2 1/8 1/20 1/8x4 | | 10 20 30 40 50 60 70 80 90 | | 194 | | | | | | |
| 12.19 | 40 | 210 | 80 Str | 6' | qtz x2 qtz-chl-carb ((cp)) | 0 10 20 30 40 50 60 70 80 90 | <.5 | | 98 | 47 | 97195 | .16 .01ox | <.002 | | .12 |
| | | | | 50+60x2 80 | 1/4x3 | | 10 20 30 40 50 60 70 80 90 | | 204 | | | | | | |
| 15.24 | 50 | 220 | 70-80 Str | 10' | qtz-chl-carb (py)(cp) | 0 10 20 30 40 50 60 70 80 90 | 0.5 | | 95 | 33 | 97196 | .10 <.01ox | .050 | | .15 |
| | | | | 70 70 | | | 10 20 30 40 50 60 70 80 90 | | 212 | | | | | | |
| 18.29 | 60 | 230 | 70 Str | 4' 16' 4' | qtz-chl-carb ((cp)) qtz-(Mo)(cp) qtz-chl-carb | 0 10 20 30 40 50 60 70 80 90 | <.5 | | 98 | 67 | 97197 | .19 .01ox | .032 | | .12 |
| | | | | 70 70 | | | 10 20 30 40 50 60 70 80 90 | | 226 | | | | | | |

151915
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

METRES

FEET

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 25 of 11

| ROCK TYPES & ALTERATION | GRAPHIC LOG | Vein L to Core Axis | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|-------------|------------------------|---------------|----------------|---|--------------------|---------------|-----------|---------------------------|-------|---------------|------|------|-----------------|
| | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| | | | | | | | REMARKS | | | | | | | |
| dk alt'n. | 70 Mod | 60x3 | hlex3 | chl-ep x 2 | 0 | <0.5 | 236 | 95 | 67 | 97198 | .10 | .004 | .12 | |
| | | 70 | 1/2 | qtz | 10 | | | | | | | | | |
| 70 WK | 250 | 4x | 1/2 | qtz | 0 | <0.5 | 246 | 95 | 63 | 97199 | .07 | .002 | .12 | |
| | | 60 | 1/3 | qtz-ep | 10 | | | | | | | | | |
| 80 WK | 260 | 70 | hlc | chl-ep | 0 | <0.5 | 256 | 95 | 80 | 97200 | .12 | .008 | .16 | |
| | | 80 | 1/20 | chl-ep | 10 | | | | | | | | | |
| 80 WK | 270 | 80x10 | 1/10-1/4x20 | qtz-chl x 20 | 0 | <0.5 | 266 | 98 | 80 | 97201 | .13 | .008 | .16 | |
| | | 70 | 1/3 | qtz-mag | 10 | | | | | | | | | |
| 80 Str | 280 | 80x4 | hlc-1/20 x 4 | chl-ep-cp x 4 | 0 | <0.5 | 276 | 95 | 40 | 97202 | .26 | .014 | .15 | |
| | | 45+50 | 1/8+1/4 | qtz x 2 | 10 | | | | | | | | | |
| dk alt'n. | 290 | 10 | 3/4 | qtz | 0 | <0.5 | 286 | 95 | 20 | 97203 | .06 | .002 | .12 | |
| | | 60 | 1/3 | qtz-mag | 10 | | | | | | | | | |

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 15, 915

METRES
0 3.05 6.10 9.14 12.19 15.24 18.29

FEET
0 10 20 30 40 50 60

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 6 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Veins L to Core A to | WIDTH of Vein | Mineralisation | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|--|------------------------|----------------|----------------------------|-------------------|----------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|-----|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| dk alt'n - grades to a qtz-chl-carb zone | 50-60 Mod | 300 | 45x3+60x2 | 1/2-1" x 5 | qtz x 5 | 0 | <0.5 | | 295 | 90 | 67 | 97204 | 0.4 | .002 | .12 | .10 |
| | | | 20 | 1" | qtz | 10 | | | | | | | | | | |
| | | | 20 | 1/2" | qtz | 20 | | | | | | | | | | |
| | | | 10 x 2 | 1/2 x 2 | qtz-cpx | 30 | | | | | | | | | | |
| | | | 20+40+60 | 1/4 x 3 | qtz | 40 | | | | | | | | | | |
| | | | 90 | 1/2 | qtz-carb | 50 | | | | | | | | | | |
| | | | 5 | 1/2 | qtz | 60 | | | | | | | | | | |
| | | | | | | 70 | | | | | | | | | | |
| | | | | | | 80 | | | | | | | | | | |
| | | | | | | 90 | | | | | | | | | | |
| 60 Mod | 310 | 5+60x2 | 1/2+1/3+1" | qtz x 3 | 0 | <0.5 | | 305 | 95 | 37 | 97205 | 0.6 | .006 | .10 | | |
| | | 60-80 x 3 | 1/4-1/2 x 2+1/10 | qtz x 3 | 10 | | | | | | | | | | | |
| | | 45 x 2 | 1/3 x 2 | qtz-chl-mag x 2 | 20 | | | | | | | | | | | |
| | | 60-80 x 8 | 1/4 x 8 | qtz-chl x 8 | 30 | | | | | | | | | | | |
| | | 90 x 2 | 1/10 x 2 | qtz-cp (ba) x 2 | 40 | | | | | | | | | | | |
| | | | | | 50 | | | | | | | | | | | |
| | | | | | 60 | | | | | | | | | | | |
| | | | | | 70 | | | | | | | | | | | |
| | | | | | 80 | | | | | | | | | | | |
| | | | | | 90 | | | | | | | | | | | |
| 70 wk | 320 | 20-30 x 4 | 1/4-1/3 x 4 | qtz x 4 | 0 | <0.5 | | 315 | 98 | 50 | 97206 | 1.5 | .012 | .12 | | |
| | | 80 | 1/10 | qtz-cp | 10 | | | | | | | | | | | |
| | | 45+55 | 1/4 + 1/2 | qtz x 2 | 20 | | | | | | | | | | | |
| | | 90 x 3 | 1/10 x 3 | chl-cp (ba) x 3 | 30 | | | | | | | | | | | |
| | | 90 x 2 | 1/10 x 2 | chl-cp (Mo) x 2 | 40 | | | | | | | | | | | |
| | | 25 | 1/3 | qtz | 50 | | | | | | | | | | | |
| | | | | | 60 | | | | | | | | | | | |
| | | | | | 70 | | | | | | | | | | | |
| | | | | | 80 | | | | | | | | | | | |
| | | | | | 90 | | | | | | | | | | | |
| dk alt'n | 30-70 wk str | 330 | 30 x 2 | 1/2+1/3 | qtz x 2 | 0 | <0.5 | | 325 | 98 | 67 | 97207 | 0.4 | .002 | .10 | |
| | | | 60 | 2" | qtz | 10 | | | | | | | | | | |
| | | | ? | 12" | qtz-chl-ep | 20 | | | | | | | | | | |
| | | | | | | 30 | | | | | | | | | | |
| | | | | | | 40 | | | | | | | | | | |
| | | | | | | 50 | | | | | | | | | | |
| | | | | | | 60 | | | | | | | | | | |
| | | | | | | 70 | | | | | | | | | | |
| | | | | | | 80 | | | | | | | | | | |
| | | | | | | 90 | | | | | | | | | | |
| 30-50 str. | 330 | 30 | 1/2 | qtz | 0 | <0.5 | | 335 | 95 | 23 | 97208 | 0.5 | .002 | .08 | | |
| | | | | | 10 | | | | | | | | | | | |
| | | | | | 20 | | | | | | | | | | | |
| | | | | | 30 | | | | | | | | | | | |
| | | | | | 40 | | | | | | | | | | | |
| | | | | | 50 | | | | | | | | | | | |
| | | | | | 60 | | | | | | | | | | | |
| | | | | | 70 | | | | | | | | | | | |
| | | | | | 80 | | | | | | | | | | | |
| | | | | | 90 | | | | | | | | | | | |
| 30-50 Mod- wk | 340 | 60 | 1/3 | qtz-mag | 0 | <0.5 | | 345 | 95 | 13 | 97209 | 1.7 | .004 | .09 | | |
| | | 35 | 1/2 | qtz-chl | 10 | | | | | | | | | | | |
| | | 70 | 1/10 | chl-cp-Mo | 20 | | | | | | | | | | | |
| | | 70 x 2 | 1/10 x 2 | qtz-chl-cp-bo x 2 | 30 | | | | | | | | | | | |
| | | | | | 40 | | | | | | | | | | | |
| | | | | | 50 | | | | | | | | | | | |
| | | | | | 60 | | | | | | | | | | | |
| | | | | | 70 | | | | | | | | | | | |
| | | | | | 80 | | | | | | | | | | | |
| | | | | | 90 | | | | | | | | | | | |

1515
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

METRES

0 3.05 6.10 9.14 12.19 15.24 18.29

0 10 20 30 40 50 60

FLEET

3635

GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 7 of 11

| ROCK TYPES & ALTERATION | | 7 to Core Foliation Alteration | GRAPHIC LOG | Values of Core 7. | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | |
|---|--------------|--------------------------------------|----------------|-------------------------|------------------|--|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|--------|
| | | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade | |
| pale grey seriate zone | 60 Mod | 360 | 80x4 | 5' | 1/10 x 4 | qtz-chl-carb-mag (cp) (Mo) (bluish grey zone) | 0-10 | 20.5 | | 355 | 80 | 17 | 97210 | .18 | .006 | .12 | |
| | | | | | | gg-br | 10-20 | | | | | | | | | | <01 ox |
| | | | | | | qtz-carb x 4 | 20-30 | | | | | | | | | | |
| pale grey seriate zone | 80 WK | 370 | 80x4 | 12" | 1/2 x 4 | qtz-mag | 0-10 | <.5 | 365 | 90 | 30 | 97211 | .12 | .010 | .14 | | |
| | | | | | | gg-br | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | chl-cp x 4 | 20-30 | | | | | | | | | | |
| | | | | | | qtz-chl-mag | 30-40 | | | | | | | | | | |
| pale grey sheared seriate and Q.P. zone | 70-80 Mod | 380 | 80x3 | 2" | 1/10 x 3 | qtz-chl (cp) x 3 | 0-10 | 20.5 | 375 | 98 | 40 | 97212 | .26 | .026 | .25 | | |
| | | | | | | qtz-chl-mag (cp) | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | qtz-chl (cp) x 2 | 20-30 | | | | | | | | | | |
| | | | | | | chl-cp x 2 | 30-40 | | | | | | | | | | |
| | | | | | | qtz (cp) | 40-50 | | | | | | | | | | |
| pale grey sheared seriate and Q.P. zone | 70-80 Mod | 380 | 60x4 | 2" | 1/10 x 4 | qtz-chl-mag (cp) | 0-10 | <.5 | 385 | 95 | 50 | 97213 | .11 | .018 | .14 | | |
| | | | | | | qtz (Mo) x 2 | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | qtz (Mo) | 20-30 | | | | | | | | | | |
| | | | | | | chl-cp x 3 | 30-40 | | | | | | | | | | |
| pale grey seriate zone | 80 WK | 400 | 80x2 | 3" | 1/2 x 3 | chl-cp x 3 | 0-10 | 20.5 | 395 | 98 | 40 | 97214 | .27 | .016 | .20 | | |
| | | | | | | qtz (Mo) (cp) x 2 | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | chl-cp-Mo x 2 | 20-30 | | | | | | | | | | |
| | | | | | | qtz-chl | 30-40 | | | | | | | | | | |
| | | | | | | qtz-chl-cp | 40-50 | | | | | | | | | | |
| | | | | | | qtz-cp | 50-60 | | | | | | | | | | |
| pale grey seriate zone | ND | 410 | 80x2 | 3" | 1/10 x 2 | qtz-chl-cp x 2 | 0-10 | 20.5 | 405 | 95 | 37 | 97215 | .19 | .014 | .18 | | |
| | | | | | | gg-br | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | qtz-cp | 20-30 | | | | | | | | | | |
| | | | | | | qtz-chl (vug) | 30-40 | | | | | | | | | | |
| | | | | | | qtz-cp | 40-50 | | | | | | | | | | |
| pale grey seriate zone | ND | 410 | 80x2 | 3" | 1/10 x 2 | qtz-chl-cp x 2 | 0-10 | 20.5 | 405 | 95 | 37 | 97215 | .19 | .014 | .18 | | |
| | | | | | | gg-br | 10-20 | | | | | | | | | <01 ox | |
| | | | | | | qtz-cp | 20-30 | | | | | | | | | | |

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 15/9/15

METRES

FEET

0 3.05 6.10 9.14 12.19 15.24 18.29

0 10 20 30 40 50 60

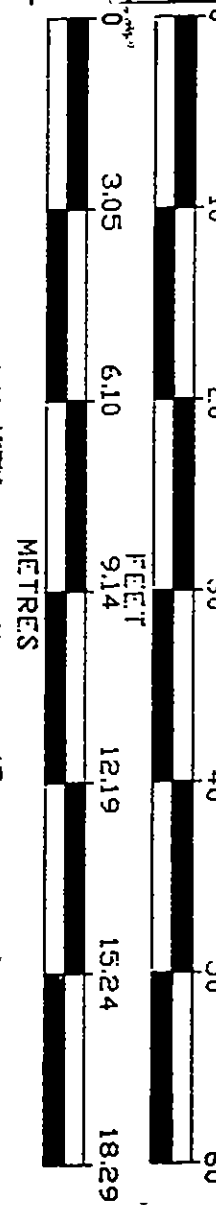
GRID

GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 8 of 11

| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Veins L to Core Alt | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTNS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|------------------------|----------------|--|---|--|---|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|-------------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| | ND | 420 | 60-70 x 5 70 80 x 3 90 80-90 x 6 | 1/10 - 1/20 x 5 1/10 1/20 x 3 1/10 1/10 - 1/20 x 6 | qtz-chl-cp x 5 chl-cp (cc) chl-cp x 3 qtz-cp qtz-chl-cp x 6 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 90 | 27 | 97216 | .21 0.01 | .014 | .35 | |
| | ND | 430 | 70-90 x 6 80-90 x 10 70 x 2 90 90 15 70 x 2 | 1/20 - 1/10 x 6 1/20 - 1/10 x 10 1/8 x 2 1/10 6" 1/3 1/2 + 1/10 | qtz-chl-cp x 6 qtz-chl-cp x 10 qtz-chl-cp x 2 qtz-chl-cp qtz-carb (W) (cp) qtz (vug) chl-mag-cp + qtz-W | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 90 | 27 | 97217 | .28 .01 | .070 | .40 | |
| | ND | 440 | 90 x 3 90 + 65 + 70 60 80 70 x 2 80 + 70 25 | 1/10 x 3 1/3 - 1/4 x 3 1/2 1/2 1/20 x 2 1/10 x 2 2" | chl-cp x 3 qtz-chl-cp x 3 qtz-chl (cp) qtz-chl (mag) (cp) qtz-chl-cp x 2 qtz-chl-cp (ba) x 2 qtz-chl (vug) | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 98 | 27 | 97218 | .18 .02 | .012 | .25 | |
| | ND | 450 | 80 + 50 70 x 6 80 x 2 15 x 2 | 1/2 + 1" 1/10 - 1/3 x 8 1/8 x 2 1/10 x 2 | qtz-chl-cp x 2 qtz-chl-cp (W) qtz-chl-cp x 2 qtz-chl-cp x 2 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 98 | 50 | 97219 | .28 .01 | .008 | .23 3545 | |
| dk alt'n | ND | 460 | 60 70 x 3 80 + 30 70 50 15 + 60 x 2 | 1/20 1/20 x 3 1/20 x 2 1/20 1" 3" + 1/8 x 2 | chl-cp ep-qtz-cp x 3 ep-cp x 2 chl-cp chl-cp qtz-chl-carb-py x 3 | 0 10 20 30 40 50 60 70 80 90 | 0.5 | | 95 | 33 | 97220 | .14 0.01 | .004 | .25 | |
| | ND | 470 | 60 x 2 + 70 x 2 25 x 2 45-55 x 3 60-80 x 8 70 40 + 30 5 + 40 | 1/10 - 1/4 x 4 1/4 x 2 1/10 - 1/8 x 3 1/10 - 1/20 x 8 1/10 x 2 1/3 + 1/2 | qtz-chl-cp x 4 qtz-chl (cp) x 2 qtz-chl (cp) x 3 chl-cp-cp x 8 qtz-W qtz-chl-cp x 2 qtz x 2 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 95 | 67 | 97221 | .14 0.01 | .023 | .20 | |

GEOLOGICAL
ASSESSMENT
BRANCH
REPORT
15, 9715



| ROCK TYPES & ALTERATION | L to Core Foliation | GRAPHIC LOG | Values in Core | Width of Vain | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | |
|-------------------------|------------------------|----------------|-------------------|-------------------------|-----------------|--|-----------------------|---------------|-----------|------------------------------------|-------|------------------|---------|---------|--------------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | Sample Number | % Cu | % Mo | Estimated Grade |
| dk alth | 90 Wx- Nod | f80 | 65-70 x 8 | hlc-Y ₂₀ x 8 | qtz-chl-cp x 8 | 0 | <0.5 | | | 95 | 23 | 97222 | .15 | .006 | .18 |
| | | | 20 x 3 | 1/2 + 1/3 + 1/10 | qtz-chl-cp x 3 | 10 | | | | | | | | | |
| | | | 40 x 4 | hlc x 4 | chl-cp (Mo) x 4 | 20 | | | | | | | | | |
| | | | 5 + 6 | 1/2 + 2 | qtz x 2 | 30 | | | | | | | | | |
| | | | | | | 40 | | | | | | | | | |
| | | | | | | 50 | | | | | | | | | |
| | | | | | | 60 | | | | | | | | | |
| | | | | | | 70 | | | | | | | | | |
| | | | | | | 80 | | | | | | | | | |
| | | | | | | 90 | | | | | | | | | |
| | | | 100 | | | | | | | | | | | | |
| | | | 110 | | | | | | | | | | | | |
| | | | 120 | | | | | | | | | | | | |
| | | | 130 | | | | | | | | | | | | |
| | | | 140 | | | | | | | | | | | | |
| | | | 150 | | | | | | | | | | | | |
| | | | 160 | | | | | | | | | | | | |
| | | | 170 | | | | | | | | | | | | |
| | | | 180 | | | | | | | | | | | | |
| | | | 190 | | | | | | | | | | | | |
| | | | 200 | | | | | | | | | | | | |
| | | | 210 | | | | | | | | | | | | |
| | | | 220 | | | | | | | | | | | | |
| | | | 230 | | | | | | | | | | | | |
| | | | 240 | | | | | | | | | | | | |
| | | | 250 | | | | | | | | | | | | |
| | | | 260 | | | | | | | | | | | | |
| | | | 270 | | | | | | | | | | | | |
| | | | 280 | | | | | | | | | | | | |
| | | | 290 | | | | | | | | | | | | |
| | | | 300 | | | | | | | | | | | | |
| | | | 310 | | | | | | | | | | | | |
| | | | 320 | | | | | | | | | | | | |
| | | | 330 | | | | | | | | | | | | |
| | | | 340 | | | | | | | | | | | | |
| | | | 350 | | | | | | | | | | | | |
| | | | 360 | | | | | | | | | | | | |
| | | | 370 | | | | | | | | | | | | |
| | | | 380 | | | | | | | | | | | | |
| | | | 390 | | | | | | | | | | | | |
| | | | 400 | | | | | | | | | | | | |
| | | | 410 | | | | | | | | | | | | |
| | | | 420 | | | | | | | | | | | | |
| | | | 430 | | | | | | | | | | | | |
| | | | 440 | | | | | | | | | | | | |
| | | | 450 | | | | | | | | | | | | |
| | | | 460 | | | | | | | | | | | | |
| | | | 470 | | | | | | | | | | | | |
| | | | 480 | | | | | | | | | | | | |
| | | | 490 | | | | | | | | | | | | |
| | | | 500 | | | | | | | | | | | | |
| | | | 510 | | | | | | | | | | | | |
| | | | 520 | | | | | | | | | | | | |
| | | | 530 | | | | | | | | | | | | |
| | | | 540 | | | | | | | | | | | | |
| | | | 550 | | | | | | | | | | | | |
| | | | 560 | | | | | | | | | | | | |
| | | | 570 | | | | | | | | | | | | |
| | | | 580 | | | | | | | | | | | | |
| | | | 590 | | | | | | | | | | | | |
| | | | 600 | | | | | | | | | | | | |
| | | | 610 | | | | | | | | | | | | |
| | | | 620 | | | | | | | | | | | | |
| | | | 630 | | | | | | | | | | | | |
| | | | 640 | | | | | | | | | | | | |
| | | | 650 | | | | | | | | | | | | |
| | | | 660 | | | | | | | | | | | | |
| | | | 670 | | | | | | | | | | | | |
| | | | 680 | | | | | | | | | | | | |
| | | | 690 | | | | | | | | | | | | |
| | | | 700 | | | | | | | | | | | | |
| | | | 710 | | | | | | | | | | | | |
| | | | 720 | | | | | | | | | | | | |
| | | | 730 | | | | | | | | | | | | |
| | | | 740 | | | | | | | | | | | | |
| | | | 750 | | | | | | | | | | | | |
| | | | 760 | | | | | | | | | | | | |
| | | | 770 | | | | | | | | | | | | |
| | | | 780 | | | | | | | | | | | | |
| | | | 790 | | | | | | | | | | | | |
| | | | 800 | | | | | | | | | | | | |
| | | | 810 | | | | | | | | | | | | |
| | | | 820 | | | | | | | | | | | | |
| | | | 830 | | | | | | | | | | | | |
| | | | 840 | | | | | | | | | | | | |
| | | | 850 | | | | | | | | | | | | |
| | | | 860 | | | | | | | | | | | | |
| | | | 870 | | | | | | | | | | | | |
| | | | 880 | | | | | | | | | | | | |
| | | | 890 | | | | | | | | | | | | |
| | | | 900 | | | | | | | | | | | | |
| | | | 910 | | | | | | | | | | | | |
| | | | 920 | | | | | | | | | | | | |
| | | | 930 | | | | | | | | | | | | |
| | | | 940 | | | | | | | | | | | | |
| | | | 950 | | | | | | | | | | | | |
| | | | 960 | | | | | | | | | | | | |
| | | | 970 | | | | | | | | | | | | |
| | | | 980 | | | | | | | | | | | | |
| | | | 990 | | | | | | | | | | | | |
| | | | 1000 | | | | | | | | | | | | |

GEOLOGICAL
BRANCH
ASSESSMENT
REPORT
15, 975

METRES

0
3.05
6.10
9.14
12.19
15.24
18.29

0
10
20
30
40
50
60

0

3.05

6.10

9.14

12.19

15.24

18.29

GRID

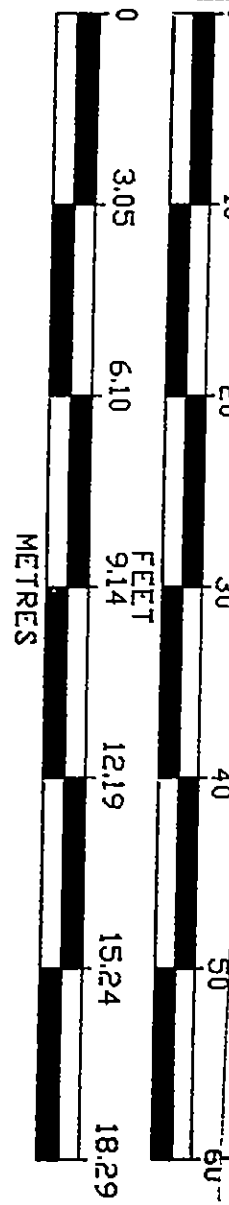
GIBRALTAR MINES LTD.

HOLE No. 87-17

SHEET No. 10 of 11

| ROCK TYPES & ALTERATION | | L to Core Foliation | GRAPHIC LOG | Width of Vain | Mineralization | FRACTURE ANGLE TO CORE AXIS -FREQUENCY- | ESTIMATED % PYRITE | BOTTOM DEPTHS | | Feet Dist. | Estimated Core Recovery % | R O D | ASSAY RESULTS | | | | | |
|-------------------------|--|------------------------|-------------|--|---|---|-----------------------|-----------------|-----------|---------------|------------------------------------|-------|------------------|---------|-------------|--------------------|--|--|
| | | | | | | | | LEACH CAP | LIM. ZONE | | | | Sample Number | % Cu | % Mo | Estimated Grade | | |
| | | | | 1/3 1/8 x 2 | qtz qtz-chl-cp + qtz-carb | 0 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | | |
| | | | 540 | 30 10 x 2 | 1/4 chl-cp chl-cp qtz-chl-cp x 2 | 50 60 70 80 90 | <0.5 | * furnished cp | 536 | 85 | 33 | 97228 | .20 <.010x | .009 | | .16 | | |
| | | | | 15 10 20+30 60 50 30x2 55x2 20+60 60 | 1" 1/2 1" + 1/10 1/10 1/8 1/10 x 2 1/2 x 2 1/3 x 2 qtz-chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 545 | 90 | 27 | 97229 | .27 .010x | .005 | .27 3955 | .25 | | |
| | | | 550 | 50+30x2+70 15 15x2+60x2 65x3+70x4 30x2 25+20 | 1/8 x 3 + 1/2 1" 1/4-1/3 x 4 1/10-1/3 x 7 1/2 + 1/3 1/2 + 1/10 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | * furnished cp. | 555 | 98 | 33 | 97230 | .41 .010x | .016 | | .30 | | |
| | | | 560 | 25x2 50x2+30x2 60x2 60 50x2 60x2 40 | 1/4 + 1/10 1/3 x 2 + 1/2 x 2 1/3 x 2 1/10 1/3 x 2 1/6 x 2 1/2 qtz-chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 560 | 95 | 47 | 97231 | .29 <.010x | .003 | | .22 | | |
| | | | 570 | 90+60 ? 60x2 30 60+35+40 | 1/8 x 2 ? 12" 1/2 + 1/3 1" 1" + 1/2 x 2 | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 570 | 95 | 30 | 97232 | .26 <.010x | .009 | | .25 | | |
| | | | 580 | 50 50 55x2 60 | qtz qtz-chl-cp qtz-chl-cp qtz-cp qtz-cp qtz-chl-cp qtz-chl-cp | 0 10 20 30 40 50 60 70 80 90 | <0.5 | | 580 | 95 | 23 | 97233 | .22 <.010x | .015 | | .28 | | |
| | | | 590 | | | 0 10 20 30 40 50 60 70 80 90 | | | | | | | | | | | | |

15, 9715
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

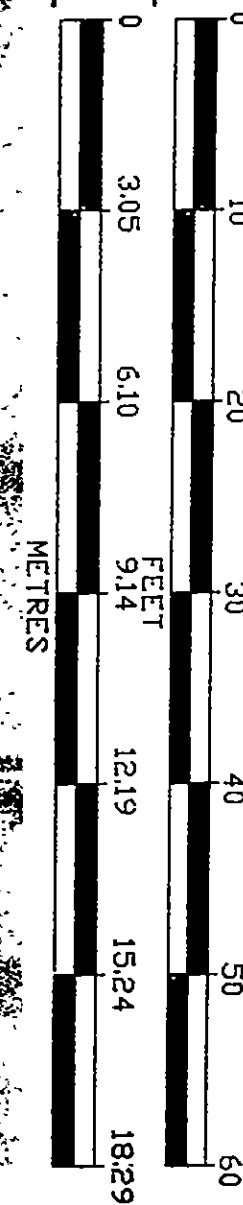


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GIBRALTAR MINES LTD.

HOLE No. 87-17
SHEET No. 11 of 11

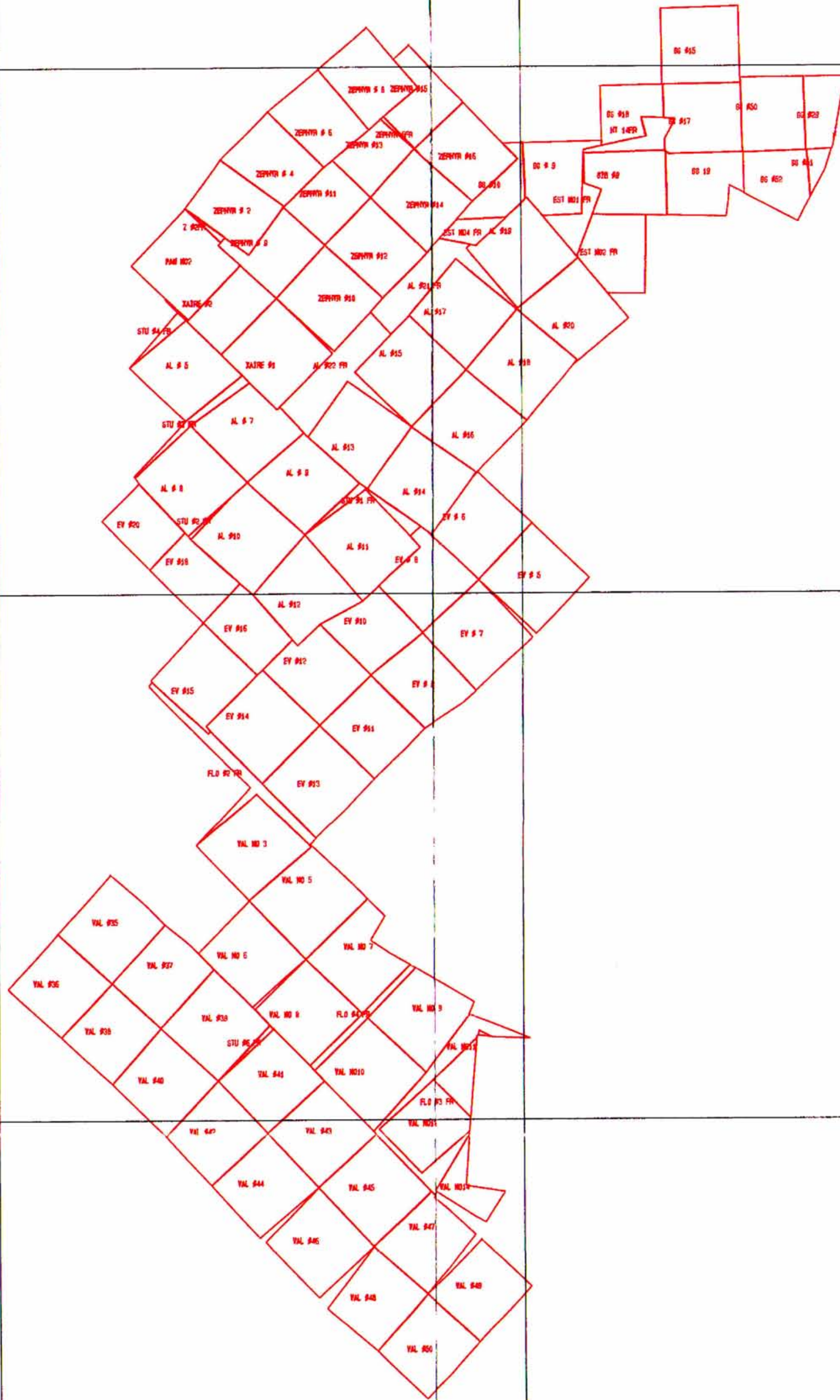
| ROCK TYPES & ALTERATION | | GRAPHIC LOG | Veins to Core | Width of Vein | Mineralization | FRACTURE ANGLE TO CORE AXIS - FREQUENCY - | ESTIMATED % PYRITE | BOTTOM DEPTHS | | | Footage Discrep. | Estimated Core Recovery % | R O D | Sample Number | ASSAY RESULTS | | | Estimated Grade |
|-------------------------|--|-------------|---------------|-----------------|-------------------------------|---|--------------------|---------------|-----------|-----------|------------------|---------------------------|-------|---------------|---------------|---|---|-----------------|
| | | | | | | | | LEACH CAP | LIM. ZONE | SUPERGENE | | | | | % | % | % | |
| | | | 70+50+40 | 1/2 x 3 | qtz-chl (cp) | 0 | | | | | | | | | | | | |
| | | | 30 x 2 | 1/2 x 2 | qtz-chl-cp | 10 | | | | | | | | | | | | |
| | | | 50 | 1/2 | qtz-chl (cp) | 20 | | | | | | | | | | | | |
| | | | 45 | 1/2 | gg-bx | 30 | | | | | | | | | | | | |
| | | | 60 | 1/2 | qtz-cp | 40 | | | | | | | | | | | | |
| | | | 70+30 | 1/2 | qtz-cp | 50 | | | | | | | | | | | | |
| | | | 45 x 2 | 1/2 + 1/10 | qtz-chl-cp (Mo) x 2 | 60 | | | | | | | | | | | | |
| | | | 50 x 2 | 1 1/2 + 1/2 | qtz-chl (cp) x 2 | 70 | | | | | | | | | | | | |
| | | | 66 | 1 1/2 + 1/2 | qtz-chl-carb (cp) | 80 | | | | | | | | | | | | |
| | | | 70+20 | 30" | qtz-chl (cp) x 2 | 90 | | | | | | | | | | | | |
| | | | | 15" | gg-bx | 100 | | | | | | | | | | | | |
| | | | | | seriate zone | | | | | | | | | | | | | |
| | | | 70 | 3" | qtz | 0 | | | | | | | | | | | | |
| | | | 25 | 1" | qtz-chl (cp) | 10 | | | | | | | | | | | | |
| | | | 20+20 | 1/3 x 2 | qtz-chl-cp x 2 | 20 | | | | | | | | | | | | |
| | | | 35 | 1" | qtz (chl)-cp | 30 | | | | | | | | | | | | |
| | | | 55 | 2" | qtz-chl (cp) | 40 | | | | | | | | | | | | |
| | | | 60+20 | 1/2 + 3 | qtz-chl (cp) x 2 | 50 | | | | | | | | | | | | |
| | | | 90+50 x 2 | 1/2 + 1/10 x 2 | qtz-chl (cp) x 2 | 60 | | | | | | | | | | | | |
| | | | 60 x 3 + 10 | 1/2 - 1/4 + 1/4 | qtz-chl (cp) x 2 + qtz (cp) x | 70 | | | | | | | | | | | | |
| | | | 50 | 1/2 | qtz-chl-cp | 80 | | | | | | | | | | | | |
| | | | 60+40 | 1/2 x 2 | qtz-chl-cp x 2 | 90 | | | | | | | | | | | | |
| | | | 60 x 2 | 1/10 + 1/3 | qtz-chl (cp) x 2 | 100 | | | | | | | | | | | | |
| | | | 80 | 6" | qtz-chl | 0 | | | | | | | | | | | | |
| | | | 40 | 1/10 | qtz-chl (cp) x | 10 | | | | | | | | | | | | |
| | | | 55-65 x 6 | 1/3 - 1/10 x 6 | qtz-chl (cp) x 6 | 20 | | | | | | | | | | | | |
| | | | 50 x 2 | 1/10 x 2 | qtz-chl-pv | 30 | | | | | | | | | | | | |
| | | | 55-75 x 5 | 1/20 - 1/10 x 5 | qtz-chl-cp x 5 | 40 | | | | | | | | | | | | |
| | | | 40 x 2 | 1/10 x 2 | qtz-chl (cp) x 2 | 50 | | | | | | | | | | | | |
| | | | 60 | 1/4 | qtz-chl (cp) | 60 | | | | | | | | | | | | |
| | | | 60+10 | 1/10 x 2 | qtz-chl-cp | 70 | | | | | | | | | | | | |
| | | | 5 | 1/10 | chl-Mo | 80 | | | | | | | | | | | | |
| | | | | | | 90 | | | | | | | | | | | | |
| | | | | | | 100 | | | | | | | | | | | | |



GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 51915

MR. Shon
 for G.D. Bysonth

.19
3365



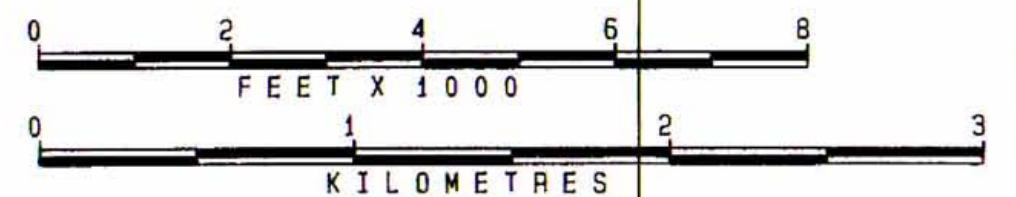
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

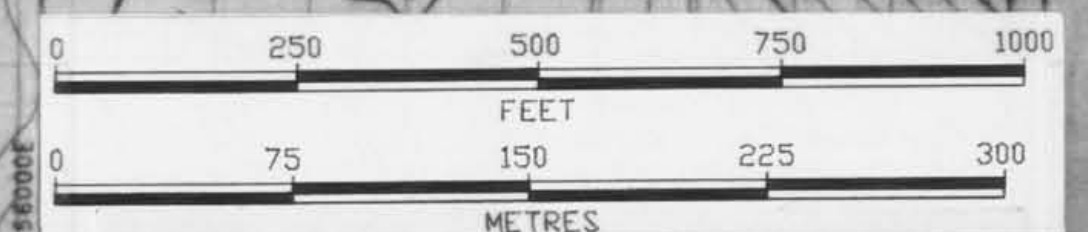
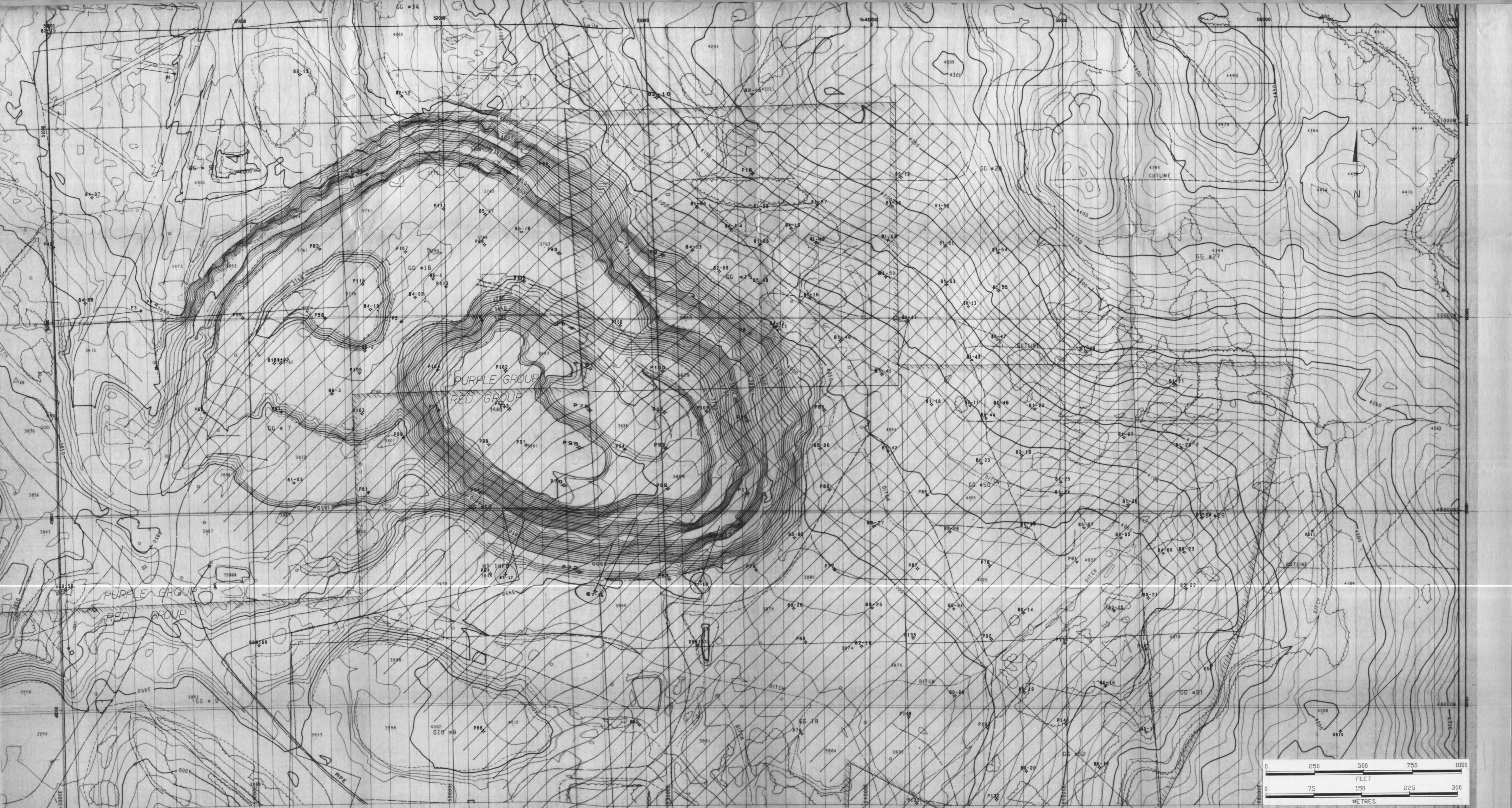
15,945

FIGURE 2.

**RED
MINERAL CLAIMS**

GIBRALTAR MINES LIMITED
14-JUL-87 SCALE=1: 24000





LEGEND

| | | | |
|---|--------------|---------|------------|
| △ | Spot elev. | — 3180 | Tree lines |
| ○ | Photo centre | — 3750 | Contours |
| □ | Building | — 4000 | Contours |
| — | Shading | — 4300 | Contours |
| — | Cracks | — 4600 | Contours |
| — | Contours | — 4900 | Contours |
| — | Contours | — 5200 | Contours |
| — | Contours | — 5500 | Contours |
| — | Contours | — 5800 | Contours |
| — | Contours | — 6100 | Contours |
| — | Contours | — 6400 | Contours |
| — | Contours | — 6700 | Contours |
| — | Contours | — 7000 | Contours |
| — | Contours | — 7300 | Contours |
| — | Contours | — 7600 | Contours |
| — | Contours | — 7900 | Contours |
| — | Contours | — 8200 | Contours |
| — | Contours | — 8500 | Contours |
| — | Contours | — 8800 | Contours |
| — | Contours | — 9100 | Contours |
| — | Contours | — 9400 | Contours |
| — | Contours | — 9700 | Contours |
| — | Contours | — 10000 | Contours |

REVISIONS

| No. | By | Description |
|-----|----|-------------|
| | | |
| | | |
| | | |
| | | |

REVISIONS

| No. | By | Description |
|-----|----|-------------|
| | | |
| | | |
| | | |
| | | |

Scale 1:200
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

GIBRALTAR MINES LTD
 POLLYANNA
 Drawing No. E
 File No.

RED GROUP
 GREEN GROUP

15,945
 POLLYANNA DDH'S AS OF MAY 87

FIGURE 3. Drill Hole Location Map 200 SCALE