DIAMOND DRILL REPORT
on the
GREY MINERAL CLAIM GROUP

Cariboo Mining Division 93B/8W & 9W

(Latitude 52°33', Longitude 122°18')

Owner/Operator: Gibraltar Mines Limited

McLeese Lake, B.C.

Authors: G.E. Barker / M. Rydman February 1995

A22-2

24624

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(Latitude 52°33', Longitude 122°18')

OWNER and OPERATOR
Gibraltar Mines Limited
P.O. Box 130
McLeese Lake, B.C.
V0L 1P0

Authors: G. E. Barker
M. Rydman

Submitted: February 1995

TABLE OF CONTENTS

1. INTRODUCTION

The Grey Mineral Claim Group is part of the Gibraltar Mines Limited Mcleese Lake property. It lies along the western side of the property and covers all of the Gibraltar West - Gibraltar North mineralized system as well as part of the Gibraltar East ore body. Main access to the property is via a paved road from McLeese Lake, approximately 20 km to the south. The location of the claim group is shown in Figure 1.

The older claims of the Grey Group have a history in common with other claim groups of the Gibraltar Mines property. Complete details of history are provided in a number of reports listed in the attached bibliography.

This report covers a diamond drill program designed to test for deep ore grade mineralization along the south west side of the Gibraltar West Stage 1 Pit. Eight vertical diamond drill holes totaling 4836 feet (1474 m) were completed during the period July 26 to August 4, 1994, by L.D.S. Diamond Drilling Ltd. of Kamloops, B.C.

2. MINERAL CLAIMS

The mineral claims of the Grey Mineral Claim Group are shown in Figure 2. Information on these claims is tabulated in Table 1. All of these claims belong to Gibraltar Mines Limited.

NAME	RECORDED DD/MM/YY	TENURE NUMBER	UNITS	MINING LEASE
AL #1	02/07/64	207646	1	
AL #2	02/07/64	207647	1	
AL #3	02/07/64	207648	1	
AL #4	02/07/64	207649	1	
AL #6	02/07/64	207651	1	
EV #17	17/01/66	207694	1	
EV #19	17/01/66	207695	1	
EV 21	14/06/66	207731	1	
EV 22	14/06/66	207732	1	
GIB #18 FR	16/12/71	207852	1	
HY 1	01/05/78	204104	4	
HY 3	12/06/80	204317	9	
HY 4	01/05/78	204105	6	
HY 8	10/06/80	204300	3	
HY 9	10/06/80	204301	2	
HY 10	10/06/80	204302	12	
HY 20	24/03/81	204444	2	
HY 22	02/01/85	204914	2	
IT 3	06/04/71	207844	1	
IT NO 1	14/02/66	207700	1	
IT NO 4	14/02/66	207701	1	
IT NO 5	14/02/66	207702	1	
IT NO 6	14/02/66	207703	1	
IT NO 8	14/02/66	207704	1	
JAN NO 5	10/04/64	207644	1	
JAN NO 6	10/04/64	207645	1	
PINETREE #1	04/07/67	207749	1	
PINETREE #2	04/07/64	207750	1	
PINETREE #3	06/09/67	207754	1	

NAME	RECORDED DD/MM/YY	TENURE NUMBER	UNITS	MINING LEASE
PINETREE #4	06/09/67	207755	1	
PINETREE #5	06/09/67	207756	1	
PINETREE #6	06/09/67	207757	1	
STU #5 FR	18/07/69	207790	1	
SUMMIT NO 7	20/07/64	207658	1	
SUMMIT NO 8	20/07/64	207659	1	
VAL NO 1	18/03/66	207705	1	
VAL NO 2	18/03/66	207706	1	
VAL NO 4	18/03/66	207708	1	
DOT NO 2	03/03/66	207491	1	3596 M59
DOT NO 3	03/03/66	207491	1	3596 M59
DOT NO 4	03/03/66	207491	1	3596 M59
DOT NO 5	03/03/66	207491	1	3596 M59
EST #5 FR	20/05/71	207491	1	3596 M59
PAN NO 4	04/05/62	207491	1	3596 M59
PAN NO 5	04/05/62	207491	1	3596 M59
RUM #79 FR	01/06/70	207491	1	3596 M59
ZEPHYR 1	09/01/62	207491	1	3596 M59
ZEPHYR #3	09/01/62	207491	1	3596 M59
ZEPHYR #5	09/01/62	207491	1	3596 M59
GG 81	22/04/65	207492	1	3597 M60
GIB #7	20/05/71	207492	1	3597 M60
ZEPHYR #7	09/01/62	207501	1	3706 M69
IT NO 11	14/02/66	207502	1	3707 M70
BIT #68	21/10/68	207503	1	3708 M71
CREST #1 FR	09/07/69	207503	1	3708 M71
GIB #1 FR	20/05/71	207503	1	3708 M71
GIB #2	20/05/71	207503	1	3708 M71
GIB #3	20/05/71	207503	1	3708 M71
GIB #4	20/05/71	207503	1	3708 M71
GIB #5	20/05/71	207503	1	3708 M71
GIB #6	20/05/71	207503	1	3708 M71
JAN NO 4	10/04/64	207504	1	3709 M72
PAN #7	01/02/66	207505	1	3710 M73
PAN #8	01/02/66	207505	1	3710 M73
EST #6 FR	20/05/71	207520	1	4150 M89
GIB 21 FR	21/06/72	207520	1	4150 M89
JAN #2 FR	22/01/71	207520	1	4150 M89
PAN NO 1	04/05/62	207520	1	4150 M89
TOTAL NUMBER OF UNITS			100	

Table 1
MINERAL CLAIMS

3. TOPOGRAPHY AND GEOLOGY

The Grey Mineral Claim Group lies along the western flank of Granite Mountain (summit elevation 1398 m) and extends into the Cuisson Creek Valley (see Figure 1). Relief is relatively gentle, ranging from about 900 m to 1050 m above sea level. Much of the area has been logged during the past thirty years and second growth pine-fir forest is common. Drainage in the area is good, except for the low lying areas along the Cuisson Creek Valley between and including Cuisson Lake and Valerie lake.

The claim group is underlain mainly by the Upper Triassic Granite Mountain Batholith. A small portion of the group (southern end) is underlain by rocks of the Permian Cache Creek Group. The Granite Mountain Batholith is a zoned, peraluminous, subalkaline body and can be subdivided into at least four phases. These phases are:

1. *Border Phase Diorite*

   This phase consists of a broad zone of assimilated and recrystallized rock formed between the mafic rich Cache Creek Group and the intrusive batholith. This hybrid zone incorporates a baffling array of intermediate rock types and rapid textural variations which closely reflect the country rock composition at its outer edge and that of the parent magma at its inner edge. Typical Border Phase Diorite consists of saussuritized plagioclase (45-50%), chloritized hornblende (35%) and fine grained quartz (≤15%). Textures are variable, with grain sizes of 1 to 5 mm. Mafic rich quartz diorites are also present and these are most prevalent near contacts with the Mine Phase Tonalite.

2. *Mine Phase Tonalite*

   Mine Phase Tonalite is the major host rock for the Gibraltar ore deposits. It has a relatively uniform mineralogical composition of saussuritized andesine plagioclase (50%), chlorite (20%) and quartz (30%). The chlorite appears to be derived from biotite and minor hornblende. Accessory minerals may include magnetite and rutile. Plagioclase is variously altered to albite-epidote-zoisite and muscovite. The rock is generally equigranular with a grain size of 2 to 4 mm. Rock fabrics range from isotropic to intensely schistose. In most cases the unmineralized rock is only weakly foliated and the degree of penetrative deformation increases proportionally with alteration.

3. *Granite Mountain Phase Trondhjemite*

   The trondhjemite consists of saussuritized plagioclase (45%), chloritized biotite (10%) and quartz (≥45%). Grain size is about 2 to 4 mm near contacts with the Mine Phase Tonalite but reaches 8 to 10 mm away from the contacts. The quartz commonly occurs as large grains or grain aggregates set in a finer grained, inequigranular matrix of quartz, plagioclase and minor chlorite. Foliation throughout the trondhjemite body tends to be weak or absent except along contacts with the Mine Phase or Leucocratic Phase.

4. *Leucocratic Phase*

   Associated with all ore grade mineralization are minor zones of fine grained rock classified as Leucocratic Phase due to a prevailing quartz-plagioclase composition and general lack of mafic minerals. The term is used to describe leucocratic, porphyritic quartz diorite as well as quartz porphyry and quartz plagioclase porphyry. In thin section, the quartz plagioclase porphyry has a fresh appearance with coarse quartz phenocrysts up to 8 mm in diameter and oligoclase phenocrysts up to 5 mm in diameter. The phenocrysts, which make up 50 to 60% of the rock are set in a fine grained quartz-plagioclase-sericite groundmass with a felsophyric texture that shows little sign of recrystallization.

4. DRILL PROGRAM

4.1 Objective

The purpose of the drill program was to test for deep copper mineralization along the western edge of the Gibraltar West Pit.

4.2 Discussion

Geological modeling of the Gibraltar North - Gibraltar West mineralized system strongly suggested that ore grade mineralization existed at depth (70 m to 180 m from surface) along the western edge of the Gibraltar West Pit. Accordingly, eight vertical NQ diamond drill holes totaling 1474 m were drilled to test for the mineralized zone.

4.3 Results

Mine Phase Tonalite (see Section 3) was intersected throughout all of the drill holes. This host rock was variously altered with quartz, chlorite, sericite, epidote and carbonate. Most of the high grade copper mineralization was found to be associated with either chlorite, quartz-chlorite, quartz-sericite, or quartz-chlorite-sericite alteration. This alteration was generally associated with penetrative deformation, and in most cases, the strength of alteration and the amount of mineralization increased with the intensity of deformation.

Chalcopyrite and pyrite were observed in all holes, along with minor amounts of molybdenite. However, only three holes (94-51, 53, & 55) intersected significant amounts of ore grade mineralization (ore-waste cutoff = 0.20% total Cu). A summary of drill hole results is given in Table 2. Detailed data can be found in Appendix B - Drill Logs.

		BEST CONSECUTIVE 55 m INTERSECTION			
DDH	DEPTH	FROM - TO	%TCu	%MoS_2	MINERALIZATION
94-50	185 m	71 m - 126 m	0.133	0.004	py - cp - (Mo)
94-51	185 m	76 m - 131 m	0.271	0.006	py - cp - (Mo)
94-52	185 m	49 m - 111 m	0.119	0.002	py - cp
94-53	164 m	104 m - 159 m	0.388	0.004	py - cp - (Mo)
94-54	185 m	122 m - 177 m	0.148	0.002	py - cp
94-55	185 m	79 m - 134 m	0.269	0.002	py - cp
94-56	185 m	110 m - 165 m	0.182	0.001	py - cp
94-57	185 m	130 m - 185 m	0.126	0.003	py - cp

py = pyrite cp = chalcopyrite ( ) = minor amount
TCu = total copper Mo = molybdenite

Table 2
SUMMARY OF DRILL HOLE RESULTS

4.4 Interpretation

All eight drill holes confirmed the presence of a relatively deep mineralized zone, as predicted by the geological model. This zone is thought to be a part of the much larger Gibraltar North - Gibraltar West mineralized system which has been intersected in various places by diamond drilling along a southeast-northwest strike length of about 2.5 km. Drilling results to date suggest that the system increases in size and grade towards the northwest.

Results of holes 94-50 to 57 appear to support this concept as they were drilled near the southeast end of the known system.

5. STATEMENT OF COSTS

1994 Drilling on the Grey Mineral Claim Group

1)	Diamond Drilling Costs		
	L.D.S. Diamond Drilling Ltd. of Kamloops, B.C.		
	Contracted Cost = $52,415.64		**$52,415.64**
2)	Supplies		
	Core Boxes 255 @ $7.65/box =	$1,950.75	
	Sample Bags 460 @ $0.23/bag =	105.80	
	Misc.(flagging, topo thread, etc.) =	25.00	
	Total Supplies	$2,081.55	**$2,081.55**
3)	Vehicle Costs		
	3/4 ton 4X4 truck rented from		
	Lake City Ford Ltd. of Williams Lake, B.C.		
	$970.00/month x 0.5 months = $485.00		**$485.00**
4)	Sample Preparation and Assay Costs		
	Gibraltar Mines Laboratory (5 assays per sample)		
	457 samples @ $13.50/sample = $6169.50		**$6,169.50**
5)	Personnel Costs		
	Supervision		
	G. Barker 9 hrs. @ $33.64/hr =	$ 302.76	
	Field Work and Core Logging		
	G. Grubisa 85 hrs. @ $29.02/hr =	$2,466.70	
	Core Logging		
	D. Poon 145 hrs. @ $20.83/hr =	$3,020.35	
	Total Personnel Costs	$5,789.81	**$5,789.81**
	Total Cost for 1994		**$66,941.50**

6. CONCLUSION

The mineralization intersected in holes 94-50 to 57 was found to be uneconomic. However, the geological model was confirmed and additional drilling should be done northwest of hole 94-57 to further define the Gibraltar North - Gibraltar West mineralized system.

G. E. Barker, P.Geo
Senior Geologist
GIBRALTAR MINES LIMITED

M. Rydman
Project Geologist
GIBRALTAR MINES LIMITED

7. BIBLIOGRAPHY

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8. LIST OF FIGURES

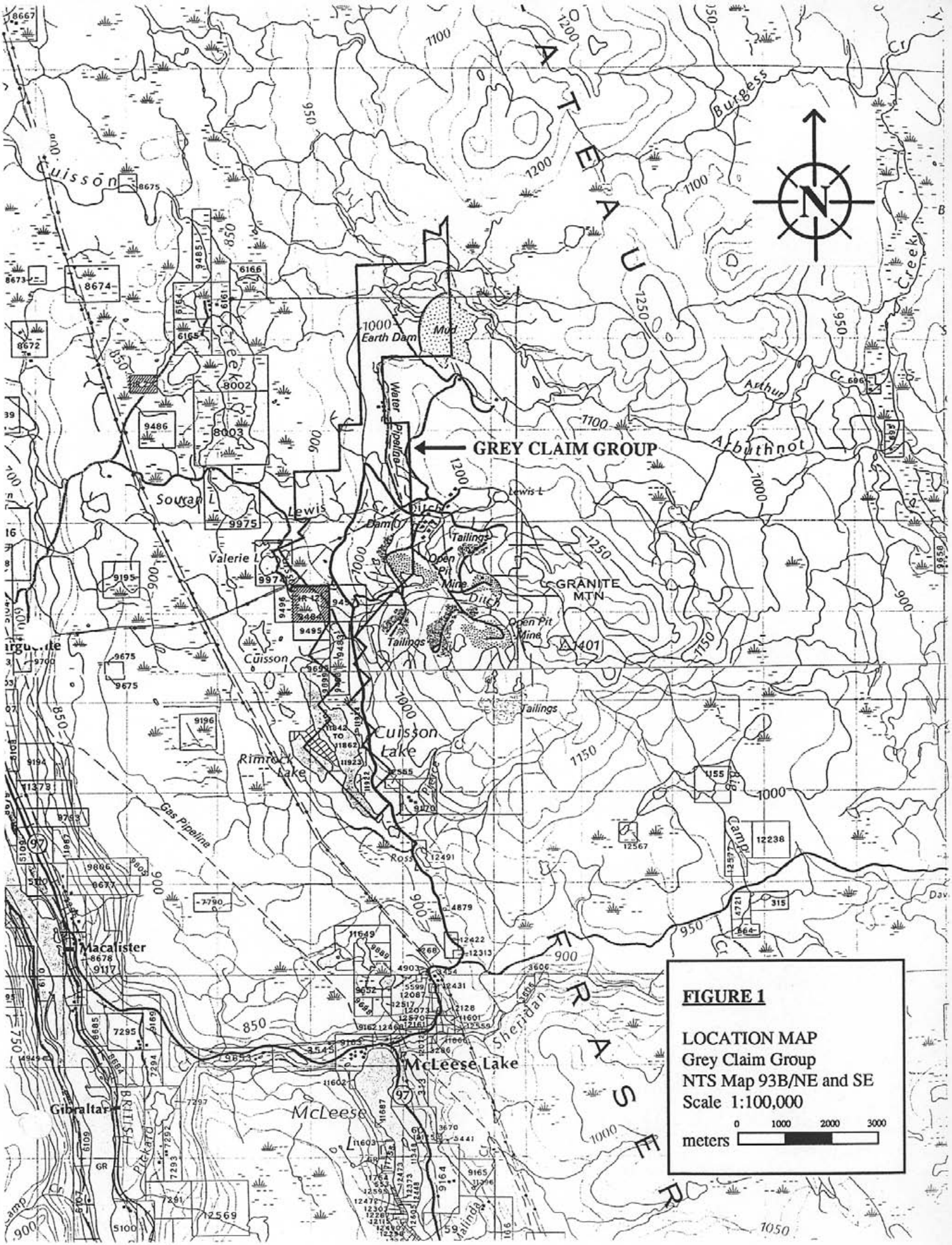


FIGURE 1

LOCATION MAP
Grey Claim Group
NTS Map 93B/NE and SE
Scale 1:100,000

HY 20
3247
(3)
(2NxIW)
16062

HY 9
1666
(6)
(2NxIW)
16272

HY 10
1667(6)
(4NxIE)

HY 12
1669(6)
(7NxIW)

HY
13
1670
(6)
(6NxIE)

HY
13
1670
(6)
(6NxIE)
(15631)

HY22
6693
(1)
2NxIW

80478
15630
16275
16277

HY 14
1671
(6)
(7NxIW)

HY 8
1665
(6)
(3SxIW)

HY 11
1668(6)
(3SxIE)

← GREY CLAIM GROUP

HY
15
1672
(6)

15632
15631
16273
16274

HY
17
1674
(6)
(2SxIE)

HY
5
1710
(6)
(2NxIE)
(16059)

HY 5
1710(6)
(2NxIE)

15629
16276

11062
GARY 1
3NxIE

HY 3
1711(6)
(3NxIW)

16059
16145
16144
16058
16142

HY 7
676(5)

HY 6
675(5)

27318 (o) GM 39
27316(o) GM 37
27314 (o) GM 35
27319(o) GM 40
27317 (o) GM 38
27315(o) GM 36

11052
11053
116705
TK 3
10845
TK 1
10790
2NxIW
116703
4SxIW
11056
TK 2
10791
11063(4)
4SxIE
GARY 2

HY 1
671(5)

HY 4
673(5)

L. 4136
ML 79

L. 3708
ML 71

L. 3597
ML 60

L. 3598
ML 61

L. 3599
ML 62

L. 4137
ML 80

L. 3710
ML 73

L. 3709
ML 72

L. 3707
ML 70

L. 3706
ML 69

L. 4138
ML 81

L. 3596
ML 59

L. 3600
ML 63

L. 3603
ML 66

11064 (4)
GARY 3
3SxIE

I.R.
12

L. 3601
ML 64

L. 3705
ML 68

L.
4150
ML 89

L. 3602
ML 65

L. 3711
ML 74

L. 4139
ML 82

L. 3712
ML 75

L. 3604
ML 67

L. 3713
ML 76

L.
4149
ML 88

L.4148
ML 87

L. 4147
ML 86

L. 3711
M 49

L. 4147
M 62

L. 4145

Cuisson Lake

Rimrock Lake

Pierce C

GRANIT MTN

TIM 1
815(8)
16148
16147

AARON 1
1049(6)

RYAN 1
1048(6)

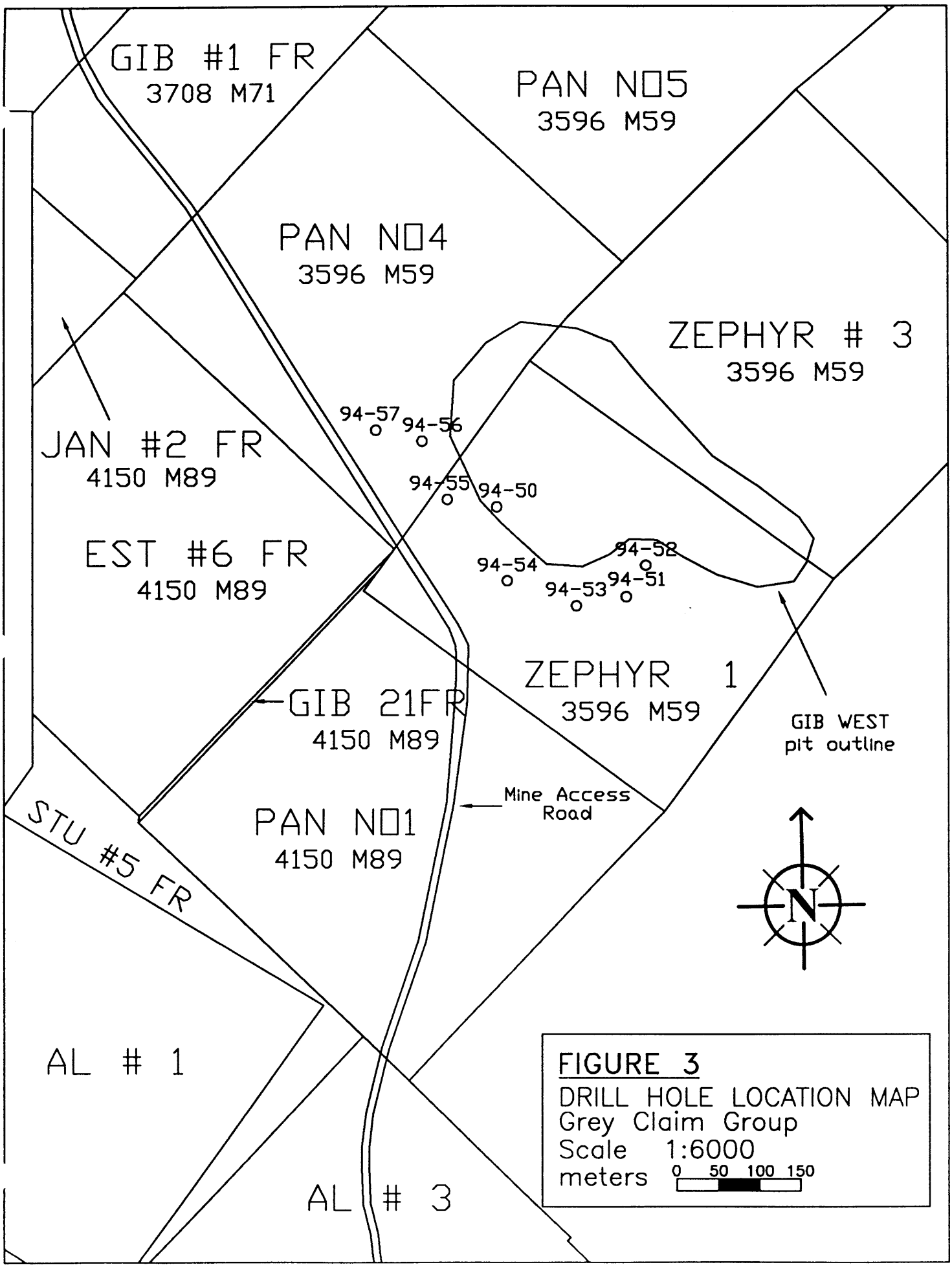
DOUG 1
1047(6)
(15627)
15626
15627
15624

GEOFF 1

FIGURE 2

CLAIM MAP
Grey Claim Group
Mineral Titles Reference Map
Cariboo Mining District
Map 93B/8W and 9W
Scale 1:31,680

0 200 400 600
meters


GIB #1 FR
3708 M71
PAN NO5
3596 M59
PAN NO4
3596 M59
ZEPHYR # 3
3596 M59
JAN #2 FR
4150 M89
EST #6 FR
4150 M89
94-57
94-56
94-55
94-50
94-54
94-52
94-53
94-51
ZEPHYR 1
3596 M59
GIB 21FR
4150 M89
GIB WEST
pit outline
Mine Access
Road
PAN NO1
4150 M89
STU #5 FR
AL # 1
AL # 3
N
FIGURE 3
DRILL HOLE LOCATION MAP
Grey Claim Group
Scale 1:6000
meters 0 50 100 150

APPENDIX A : QUALIFICATION STATEMENTS

STATEMENT OF QUALIFICATIONS - George E. Barker

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

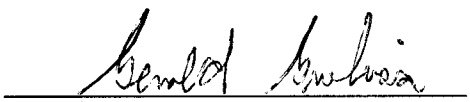
- I am a Professional Geoscientist.
- I am a registered member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, registration number 19697.
- From 1978 to the present I have been engaged in mining and exploration geology in British Columbia.
- I personally supervised the exploration program, interpreted the results, and co-authored the report.

George E. Barker, P.Geo.

STATEMENT OF QUALIFICATIONS - Gerald G. Grubisa

I, Gerald G. Grubisa, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

- I am a geologist.
- I am a graduate of the University of Alberta, with a Bachelor of Science with Specialization in Geology, dated 1992.
- From 1992 to the present I have been engaged in mining and exploration geology in British Columbia.
- I personally participated in the field work and logged the core of two of the diamond drill holes.



Gerald G. Grubisa, B.Sc.

STATEMENT OF QUALIFICATIONS - Dick Poon

I, Dick Poon, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

- I am a geologist.
- I am a graduate of the University of Alberta, with a Bachelor of Science with Honours in Geology, dated 1994.
- From May 1994 to the present I have been engaged in mining and exploration geology in British Columbia.
- I personally logged the core of six of the diamond drill holes.

Dick Poon

Dick Poon, B.Sc.

STATEMENT OF QUALIFICATIONS - Murray Rydman

I, Murray Rydman, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

- I am a geologist.
- I am a graduate of the University of Alberta, with a Bachelor of Science with Specialization in Geology, dated 1992.
- From 1992 to the present I have been engaged in mining and exploration geology in British Columbia.
- I personally prepared and assisted in writing the report.

Murray Rydman

Murray Rydman, B.Sc.

APPENDIX B : DRILL LOGS

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-50 Page No. 1 of 11

LOCATION Gibraltar West | BEARING — | LATITUDE (N) 48,517.36 N | CORE SIZE NQ | LOGGED BY G. Gruhisa
DATE COLLARED July 26, 1994 | LENGTH 607' | LONGITUDE (E) 42,918.84 E | SCALE OF LOG 1"=10' | DATE July 28, 1994
DATE COMPLETED July 27, 1994 | DIP -90 | ELEVATION 2942.18 ft | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- NORMAL MINE PHASE TONALITE
- QTZ-SER-PY ALTN PHASE
- CHLORITE DARKENED MINE PHASE TONALITE
- QTZ-EP-CHL ALTN PHASE

computer depths:
ovb- 14'
leach cap- 14.01'
leach ox- 30.0'
supergene- 30.01'

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

badly broken rock; fault gouge; increase; decrease; ( ) minor amount; (( )) very minor amount

alm = alteration; az = azurite; bo = bornite; brx = broken rock; bx = breccia; carb = carbonate; cc = chalcocite; chl = chlorite; cp = chalcopyrite; diss = disseminated; ep = epidote; gg = gouge; gr = garnet; gyp = gypsum; hem = hematite; lim = limonite; mag = magnetite; mal = malachite; MnO2 = pyrolusite; Mo = molybdenite; mod = moderate; ND = non directional; pied = piedmontite; py = pyrite; qtz = quartz; rx = rock; sauc = saucerite; ser = sericite; sph = sphalerite; str = strong; StWk = stockwork; tet = tetrahedrite; wk = weak

BOTTOM DEPTHS: Leach Cap —; Leachable Ox. 30'; Lim. Zone 55'; Supergene —

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chisel on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
CASING TO 14'		14						14										
	ND	20	?	3'	brk rx → MnO_2-lim-((mal))	<.5		17	100	—	54051	.08	.06	<.01	1.72	.001		.05
	60 vk	30	?	1'	brk rx → MnO_2-lim-((mal))	<.5		27	95	27	54052	.08	.05	.01	1.86	.001		.08
			?	18"	brk rx → MnO_2-lim-mal-ser-(py)													
			40	½"x2	lim-MnO_2													
	70 mod	40	90+50	⅛"x2	hem-carb	<.5		37	100+	87	54053	.02	<.01	.01	.98	.001		.01
	60-70 vk-mod	50	50	½"	qtz-py	<.5		47	100	67	54054	.04	.01	.01	1.39	.001		.03
			90	⅛"x4	lim-py													
			?	6"	brk rx → lim													
			80-90	⅛"x6	(lim)-(py)													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-50 Page 2 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlod on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70-80 mod str	brkrx			?	2½'	brkrx → lim-(py)	<.5	55'-65' → hem staining of core + in fractures.	57	85	27	54055	.07	<.01	.01	1.99	.002		.03
			60		60	2' ½"	brkrx → hem qtz-chl-((cpy))													
66.5'-68' → fine grained chl stained aine phase tonalite.	70-90 mod		70		?	15"	brkrx → hem	<.5		57	100	53	54056	.05	<.01	<.01	1.90	.001		.01
71'-90' → POSSIBLE FAULT - very low recoveries - some hem staining - abundance ≠ brkrx but absence of flt gg	ND		80		?	9'	brkrx → hem	<.5	77'-80' → hem staining	77	60	10	54057	.01	<.01	<.01	1.60	.001		.01
	ND		90		?	10'	brkrx	<.5		81 87	45 15	0	54058	.06	<.01		1.44	.002		.01
91-94' → QTZ-EP-CHL ALTN PHASE	ND		100		5-90	3'	ep stkwk	<.5		97	70	37	54059	.03	<.01		2.12	.002		.01
					80-90	⅛"x6	coarse py				46"									
105'-112' → QTZ-EP-CHL ALTN PHASE	ND		110		80 ?	⅛" 2½'	qtz-chl-py-ep brkrx	<.5		107	90	2 47	54060	.03	<.01		.98	.004		.01
					50-80	5'	oriented ep stkwk													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) **DIAMOND DRILL LOG** Hole No. 94-50 Page 3 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlol on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
QTZ-EP-CHL ALTN PHASE CONT'D																								
	50-70 mod		120		50	¼"	qtz-py-chl	<.5						117	100	97	54061	.02	<.01		.69	.002		.01
	50-70 wk-mod		130		50 90 60 60	¼" ¾" ¾" ¾"	qtz-py-chl qtz-(cp)-(Mo) qtz-ser-chl-(cp) qtz-chl-ser-cp	<.5						127	100	97	54062	.08	<.01		.81	.002		.08
	50-70 wk-mod		140		70 70 60	½" 2½" 2½"	ep-pied qtz-ep-pied ep-(pied)-qtz	<.5						137	100	87	54063	.03	<.01		1.03	.009		.02
	60-90 wk-str		150		50 20	⅛"<4 ¼" 2½"	chl-py qtz-carb-chl-py } diss py @ str foliation @ 90°	<.5						147	100	67	54064	.05	<.01		1.62	.003		.02
	50 mod-ND		160		50 80	¼" 8"	chl-py ep-(chl)	<.5						157	100	83	54065	.02	.01		1.29	.002		.02
	60 wk		170		70 50	⅜" ⅛"	cp-py chl-py	<.5						167	100	97	54066	.19	.01		1.60	.002		.10

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap | Leachable Ox. | Lim. Zone | Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	ASSAY RESULTS: % TCu	% OxCu	% Chlod ox OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		180		70 60 70	½"x6 2" 1"	ep-py-(cp) ep-chl-pied carb-ep-(py) disse py	<.5		177	100 5"	21 90	54067	.04	<.01		1.68	.002		.04
179'-186' → QTZ-EP-CHL ALTN PHASE	ND		190		20-30 60 40-60	¼"x4 ⅛"x6 ⅛"-½"x4	qtz-py-(cp) qtz-chl-py qtz-chl-py	.5		187	100	87	54068	.05	<.01		1.46	.002		.04
	70 mod		200		60 70	¼" 1"	qtz-carb-chl-py chl-py-pied-shear	<.5		197	100	80	54069	.02	<.01		1.40	.002		.01
	ND		210		90 20 60	10" ½" 3"	diss py-(cp) @ str Fol'n @ 90° qtz qtz-chl-ep-cp	<.5		207	95	77	54070	.04	<.01		1.77	.017		.08
	70-80 wk		220		90 60 70 50	¼" ¼" 1" ½"	qtz-chl-cp chl-cp qtz-chl qtz-(chl)-py	<.5		217	100	93	54071	.04	<.01		1.31	.002		.07
	60-80 wk-mod		230		60 80	3" 2"	qtz-chl-py-(cp) qtz-chl-py-ep	.5		227	100	93	54072	.03	<.01		1.73	.002		.05

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) **DIAMOND DRILL LOG** Hole No. 94-50 Page 5 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70 wk-mod		240		50-75	5'	qtz-chl-cp-py	.5			237	100	97	54073	.43	<.01		2.57	.001		.35
	50-80 mod		250		50-80 80 70 70	3" 4" 1" 14"	qtz-chl-cp-py qtz-chl-py-cp qtz-chl-py-cp (Bor) qtz-chl-py-cp	.5			247	100 73"	97	54074	.40	<.01		2.84	.001		.27
	ND-70 wk		260		80 20	2" 1/4"x2	qtz-chl-py-cp. qtz-py-cp-(carb)	<.5		8'	257	100	12 97	54075	.03	.02		1.59	<.001		.10
	70 wk		270		70 20-70	1/8"-1/4"x4 1/16"-1/4"x7	qtz-chl-py qtz-chl-py	.5		262'-64' -> ↑ qtz content in the normal mine phase tonalite.	267	100	97	54076	.03	<.01		1.30	.001		.05
	70 mod		280		70 60 ? 50	1/2" 1/8" 3/8" 1/2" 1/16"x2	qtz-chl-py carb-py-cp qtz-chl-cp BrK rx cp	<.5			277	85	60	54077	.18	<.01		1.53	.001		.15
	70 mod-str		290		60+70 50	1/4"x2 1/4"	qtz-chl-py. qtz-chl-py-cp.	<.5			287	100	90	54078	.06	<.01		1.71	.001		.10

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	Leachable Ox.	Lim. Zone	Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cl'sol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	60 mod-str		300		90 60 70 CO+90	2" ½" 1½" ⅛"x2	solid py-cp-ser c(30%cp?) qtz-chl-py-(cp) ep-qtz-carb chl-py	1.5					282'-304' → ↑ ep stringers but not to a point of being classified as qtz-ep-chl altn	297	100	87	54079	.12	<.01		2.73	.001		.17
	60-20 wk-str		310		90 50 50 30+70 30	2½" 2½" ¾" ½"x2 ¼"x2	folded w/py) qtz qtz-ser-chl-py-(cp) mixed w M.P.Q.D. qtz-carb-chl-py-cp qtz-carb-chl-py-(cp)) qtz-chl-py-(carb)	.8						327	100	87	54080	.04	<.01		1.77	.008		.16
	60 wk-mod		320		20 90 90 60 60	⅛" 3" ¼" 2" 1'	chl-py qtz-chl-ep-carb qtz-chl-py-(cp) qtz-chl-py-(cp) qtz-ser-py	.5						317	100	80	54081	.11	<.01		2.04	.001		.06
319'-330.5' QTZ-SER-PY ALTN PHASE - containing some solid py veins ½"-10" in width	60 mod		330		90 60	10" ← 7'	solid py-((cp))-(qtz)(ser) qtz-ser-py-((cp))	10.0					— hard to tell if any cp is visible.	327	100	73	54082	.13	<.01		11.0	.002		.10?
	70-80 mod		340		60 70 70 80	6" ⅛"x7 ⅛"x5 8"	qtz-ser-py-cp py-chl py-chl mottled qtz-carb-chl-py	.7					⅛" ⅛" finely diss throughout	337	3' 90	30	54083	.28	.01		2.60	.002		.20
	80-60 str-mod		350		90 70	1½" ¼"	qtz-carb-(chl)-(py) qtz-chl-py-((cp))	.5						347	100	50	54084	.07	<.01		1.89	.002		.05

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Attn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	Leachable Ox.	Lim. Zone	Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on Oxfes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70 mod		360		70 ? 70	⅛ x 2 1" ¼"	chl-py gg hem staining gtz-chl-py	<.5					352-56' → SMALL FAULT gg occurring @ 354-55' bounded on both sides by hem stained Normet Mine phase.	357	100	40	54085	.04	<.01		1.49	.001		.03
	60 wk		370		70 30 90 75 70	1½" 1" 3" ⅛" x 3 ⅛"-½" x 5	ep-py-carb gtz-cp-py-tetrahedrite/Mo? ep-gtz gtz-chl-py-cp gtz-chl-py	.5					check for silver!!!	367	100	50	54086	.19	<.01		1.95	.032		.20
	70 wk-mod		380		50-70	⅛"-¼" x 15	gtz-chl-py-((cp))	.6						377	95	60	54087	.05	<.01		1.88	.002		.06
386'-92' → FAULT -brk rx ω hem staining	70 mod		390		50-70 ?	⅛"-¼" x 6 4'	gtz-chl-py-((cp)) brk rx	.5					381'-83' → broken + vuggy, pitted core ω diss py.	387	100	13	54088	.07	<.01		3.24	.003		.05
- no gouge	50-60 wk		400		? ?	2'	brk rx. finely diss py	<.5						397	50	27	54089	.06	<.01		1.63	.003		.05
	50-60 wk-mod		410		? 40 40 80	5" 3" 10" 2"	brk rx → ω diss py gtz-ser-chl-py-((cp)) gtz-ser-chl-py-cp → gtz-py-Mo/tet?	3.0					check for silver!!! → ω a 2" rel solid py-cp vein	407	100	15 53	54090	.10	<.01		4.11	.005		.15

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal as Ox/Res	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	60 wk-mod		420		70 50-55	⅛"x2 10"	qtz-chl-py-(cp) qtz-ser-chl-py	.5			417	31" 95	53	54091	.04	<.01		2.52	.004		.05
425'-55' → - A stkwk type veining system starts @ ~425' starting w/ qtz-chl-py then	50-60 mod		430		50-60 50 20+40	2½' ⅛"-½"x10 1"x2	qtz-chl-ser-py-(cp) qtz-chl-py qtz-ser-py	2.5			427	100+	63	54092	.12	<.01		3.21	.004		.10
grading into qtz-ser-chl-py-cp. Mo/tet's is associated w some of the ser-rich sheers.. qtz-chl-py veining to 433' qtz-ser-chl-py-cp veining to 442' qtz-chl-py veining to 455' The stkwk is orientated @ 50°-70°.	60 mod		440		50-70 50-70	⅛"x8 ⅛"-3"x25	qtz-chl-py qtz-ser-chl-py-cp stkwk.	2.5		possible Mo/tet ? check for silver	437	100	93	54093	.14	<.01		2.53	.008		.30
	60-70 wk-ND		450		50 50-70	⅛"-⅞" ⅛"-1"x15	qtz-ser-chl-py-((cp)) stkwk. qtz-chl-py	1.5		possible Mo/tet ? check for silver	447	100	87	54094	.13	<.01		2.17	.012		.13
455'-62' → QTZ-SER-PY ALTN PHASE - minor carb altn visible.	50-70 mod		460		50 50-70 50	½' ⅛"-1"x6 5'	hem-clay qtz-chl-py qtz-ser-py-(cp)	5.0		459.75'-460.25' → rel. solid py vein	457	100	63	54095	.10	<.01		7.55	.005		.20?
	50-70 mod		470		50 30 40 50	2' ¼"x5 ½"x2 16"	qtz-ser-chl-py-((cp)) qtz-chl-py qtz-ser-chl-py qtz-ser-chl-py-cp	2.5			467	95	60	54096	.15	<.01		4.50	.009		.15

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	60 wk- ND		480		50 20	1/8" x 6 1/16"	gtz-chl-py-(carb). hem-clay (hem in frac.	<.5		477	100	70	54097	.06	<.01		2.44	.005		.05
	ND		490		40 40 ?	1/8" 1/8" x 2 2"	gtz-chl-(cp)-(py) gtz-chl-py-carb-(hem) brktx	<.5		487	91" 100	12 60	54098	.04	<.01		2.10	.002		.03
	ND		500		30 30 30 50	3/4" 2" 3" 1"	gtz-ser-chl-carb-py-cp. chl-py-carb-cp gtz-ser-chl-py-cp gtz-ser-chl-py-((cp))	.6		497	100	70	54099	.15	<.01		2.18	.003		.13
	ND		510		10 ? 90	3/8" 1 1/2" .1"	gtz-py-chl-(cp) brktx gtz-(carb)	<.5		507	95	47	54100	.05	<.01		1.46	.004		.04
	ND		520		80 90 60	1 1/2" 1/4" x 2 1/4"	gtz-(chl) gtz carb-((cp))	<.5		517	100+	60	54101	.05	<.01		1.26	.001		.04
	ND		530		20 ?	1/8" 2 1/2"	gtz-py brkrx/gg→	.7		527	100+	37	54102	.05	<.01		1.74	.002		.06

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-50 Page 10 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu lost on Ox/Res	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		540	A	?	14"	brk rx	<.5						537	100	60	54103	.04	<.01		1.48	.001		.01
	ND		550	A A	? ?	2' 2'	brk rx brk rx	<.5						547	100+ 107"	47	54104	.04	<.01		1.24	.002		.01
	ND		560	// / /	20 60 30	4"x4 3/4" 1/2"	qtz-chl-py-carb qtz leucocratic phase	<.5						557	100	10 50	54105	.02	<.01		1.00	.004		.01
	ND		570	A /	40	1"x2	qtz-chl-py-(cp)	<.5						567	100	50	54106	.05	<.01		1.43	.001		.04
	ND		580	/	60	1/8"	py-chl	<.5						577	100	77	54107	.04	<.01		1.82	.001		.03
	ND		590	A	80 ?	2" 10"	chl-cp brk rx	<.5						587	100	60	54108	.02	<.01		1.15	.001		.04

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		600		? 70 5 ?	6" 4"x2 4" 13"	brktx qtz-carb chl-py brktx → hem. ↑ clay.	<.5		597	100+	40	54173	.01	<.01		.98	.001		.01
	ND		607		5+30	4"x2	chl-py	<.5		607	100	—	54174	.02	<.01		1.15	.001		.04
							607' EOH													

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-51 Page No. 1 of 11

LOCATION GIBRALTAR WEST | BEARING — | LATITUDE (N) 48,151.51 | CORE SIZE NQ | LOGGED BY D. Poon

DATE COLLARED July 27, 1994 | LENGTH 657 feet | LONGITUDE (E) 43,439.05 | SCALE OF LOG 1" = 10' | DATE August 3, 1994

DATE COMPLETED July 28, 1994 | DIP -90° | ELEVATION 3047.12 ft. | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- MINE PHASE TONALITE
- QUARTZ SERICITE CHLORITE PYRITE ALTERATION PHASE
- CHLORITE DARKENED MINE PHASE TONALITE
- TRANSITION ZONE
- QUARTZ EPIDOTE CHLORITE ALTERATION PHASE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

badly broken rock; fault gouge; ↑ increase; ↓ decrease; ( ) minor amount; (( )) very minor amount

alm = alteration; az = azurite; bo = bornite; brx = broken rock; bx = breccia; carb = carbonate; cc = chalcocite; chl = chlorite; cp = chalcopyrite; diss = disseminated; ep = epidote; gg = gouge; gr = garnet; gyp = gypsum; hem = hematite; lim = limonite; mag = magnetite; mal = malachite; MnO2 = pyrolusite; Mo = molybdenite; mod = moderate; ND = non directional; pied = piedmontite; py = pyrite; qtz = quartz; rx = rock; sauc = saucerite; ser = sericite; sph = sphalerite; str = strong; StWk = stockwork; tet = tetrahedrite; wk = weak

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Attn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization — Decreasing Order of Abundance	Est. % Py	BOTTOM DEPTHS	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
									Leach Cap											
									Leachable Ox. 152 feet?											
									Lim. Zone 172 feet											
									Supergene 153 feet?											
									Remarks											
									CASING TO 43'											
MINE PHASE TONALITE 43' to	ND		50		90°	1"x2	qtz-ep-lim stwk	<.5	- from 48' to 53' is a brief interval of Quartz Epidote Chlorite Alteration Phase. - there are some metasedimentary chunks from 43' to 44'	47	90	70	54111	.01	.01	<.01	.58	.001		.01
					50°	1"to2"x3	plag-qtz-chl													
The Tonalite is composed of plag+qtz+chl, just like Tonalites in other holes. The plag has undergone saussuritic alteration, which turns the "white" plag into a yellowish-green. whereas the chl appears as dark green blebs. There is generally a foliation or orientation of the grains in this Tonalite, which contrasts the mainly non-directional Tonalites of	70° wk to mod		60		60° 80°	1" x1 ½" x3	ep-qtz stwk ep-qtz stwk	<.5	- very little veining in this barren looking interval.	57	100	83	54112	.01	<.01	<.01	1.58	.001		.01
the GM Claims. Also, the grain sizes of this Tonalite varies throughout the hole.	ND		70		70° to 80° 70° 80°	1/16" to 1/8" x4 ¼" x1 1½" x1	ep-qtz-chl stwk ep-qtz-lim ep-qtz-MnO2		- grain size of the Tonalite is fairly small from 65' to 78'.	67	99	50	54113	.02	.01	<.01	1.87	.001		.01

June 1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) **DIAMOND DRILL LOG** Hole No. 94-51 Page 2 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	Rx type & Alt.	GRAPHIC LOG Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		20		80°	1/16" x1	ep-gtz		- possible red-brown ankerite/lim? throughout oxide zone.	77	100	67	54114	.02	.01	<.01	.96	.001		.01
					90°	3/8" x1	ep-gtz-lim stwk	<.5												
					40°to90°	1/4" x 6	ep-gtz-lim stwk													
			90		70°	1" to 1 1/2" x1	ep-gtz-chl			87	100	80	54115	.01	<.01	<.01	.91	.002		.01
					70°to90°	1/8" to 1/2" x2	ep-gtz-chl stwk	<.5												
					70°	shearsx6	chl-lim-MnO_2													
					60°to90°	1/16" to 1/2" x5	ep-gtz-chl													
			100		90°	1" x1	ep-gtz-lim		- significant amount of py seen for the first time, in this hole.	97	99	77	54116	.01	<.01	<.01	1.00	.002		.01
					40°	1/8" x3	gtz-carb-chl-py	<.5												
					40°to90°	1/16" x 6	chl-gtz-py													
					70°	1/2" x1	ep-gtz-chl-py													
			110		40°	1/16" x1	gtz-py-chl		- minor diss cp seen mixed with py in veins	107	100	80	54117	.05	.01	.01	1.36	.001		.02
					90°	shears x2	chl-lim													
					80°	1/4" x1	gtz-chl-py-(cp)	<.5												
					80°to90°	1/16"to1/8" x6	ep-pied-gtz-chl													
- there are 1" to 4" bands of chl darkened Tonalite alternating with the Mine Phase Tonalite.			180		mottled	1/8" x ?	gtz (vuggy) - MnO_2 - lim-chl			117	100	83	54118	.02	<.01	<.01	1.29	.002		.01
					70°to80°	1/16"to1/4" x6	ep-gtz-chl stwk	<.5												
					90°	1/2" to 3" x3	ep-gtz-chl-stwk													
					70°	1/16" x2	gtz-chl-py													
	90° wk		130		90°	1/4" x1	ep-gtz-chl		- at 128' are two 1" ep veins, which are quite mineralogically diverse. Within these veins may be some tet, so perhaps a silver assay could be attempted on this interval.	127	100	70	54119	.05	.01	.01	1.34	.002		.06
					50°	shear x1	MnO_2-chl-lim													
					70°	1/16" x2	gtz-chl-py													
					90°	1" x2	ep-gtz-chl-cc?-cp-(Mal Cu_2)													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	Rx type & Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% CNsol on OxRcx	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	90° wk		140		90° 40° 60° 90°	1"x2 ¼"to1"x1 1/16"x1 1"x1	ep-gtz stwk gtz-chl-ep-(cp) gtz-chl-ep-py-(cp) gtz-chl-ep	<.5			137	98	60	54120	.05	<.01	.01	1.27	.002		.02
	ND		150		90° 60° 40° 30°	¼"x1 1/16"to¼"@ shears x2 ½"x1	gtz-chl-ep-cp ep-gtz-chl lim-chl-MnO2 gtz-(cp)	<.5			147	100	73	54121	.04	<.01	<.01	1.18	.002		.02
- there was a change of c drill bit in this interval. As a result a 6" interval of sand from 157' to 157.5' can be seen. The sand most likely caved into the hole when the drill bit was pulled out, which explains its presence.	90° wk		160		70° 80° 80°to90° 60°	¼"x1 ¼"x3 ¼"x4 1/16"x1	ep-gtz gtz-chl-py-cp-cc? gtz-ep stwk gtz-chl-py	<.5	- some lumpy black cc coating some cp+py grains in a few shears - last reminance of MnO2 at 152'		157	100	57	54122	.13	.03	.01	1.35	.002		.04
	ND		170		80°to90° 60° 90° 70°	1/16"x a 1/16"to¼"x4 ¼"x1 ½"x1	ep-gtz-chl gtz-chl-py ep-pied-gtz ep-gtz stwk	<.5	- the plag from 163' to 167' has a slight pinkish tint from some hem staining.		167	99	60	54123	.09	<.01	<.01	1.76	.001		.01
	90° wk		180		80° 50° 0°	¼"x1 1/16"x1 ⅛"x1	ep-chl-gtz-lim gtz-chl-py gtz-chl-py-cp-Mo	<.5	- intense hem shearing yet no signs of any faulting. - last bit of lim seen at 173'		177	98	67	54124	.02	<.01	<.01	1.07	.005		.02
	90° Mod		190		40° 20° 40° 40°	⅛"x1 Shear ⅛"x1 1/16"x1	gtz-chl-py hem-chl gtz-chl-py gtz-(hem)-(py)	<.5			187	100	77	54125	.01	<.01	<.01	.76	.001		.01

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ROCK TYPES and ALTERATION	Foliation angle and intensity	Fx type & Alt.	GRAPHIC LOG Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	60° Mod		200	90°	¾"x1	gtz-chl-cp-py	<.5		197	100	83	54126	.05	<.01	<.01	1.12	.001		.04
				90°	1/16"x3	gtz-chl-py-cp														
				40°	⅛"x1	gtz-chl-(py)														
				90°	1/16"x5	gtz-chl-cp														
	ND		210	80°to90°	1/16"to⅓"x3	gtz-chl-py-(cp)	<.5	- significant amount of py+cp seen for the first time in this hole. - blebs of py are smeared out along chloritized shears	207	100	80	54127	.04	<.01		1.07	.001		.07
				90°	¼"x1	gtz-chl-cp-py														
				70°	¼"x1	gtz-chl-cp-py														
				60°to80°	1/16"to⅛"x7	ep-gtz-(py) stwk														
	ND		220	40°	1/16"x1	gtz-chl-py	<.5		217	100	67	54128	.05	<.01		1.43	.003		.04
				80°	1/12"x1	gtz-chl-cp-py														
				90°	⅛"x1	gtz-chl-cp														
				90°	¼"x2	ep-gtz-chl stwk														
	ND		230	50°	1/16"x2	gtz-chl-cp	<.5		227	100	77	54129	.11	<.01		1.63	.008		.08
				up to 50°	1/16"x2	gtz-carb/vuggy														
				40°to90°	1/16"x3	gtz-chl-carb-py-cp														
				30°	⅓"x1	gtz-chl-cp-py														
- from 230' to 233' the chl content is fairly high and is approaching the Dark Chlorite Alteration Phase.	ND		240	70°to80°	¼"x2	gtz-cp-py-chl	<.5	- from 230' to 231' most of the cp for the entire interval can be seen as large blebs dispersed throughout the tonalite.	237	100	70	54130	.27	<.01		2.19	.006		.34
				70°	⅛"x1	gtz-chl-py-Mo-cp														
				70°	¼"x1	gtz-chl-py-Mo-cp														
				80°	⅓"x1	gtz-chl-py-cp														
	70° wk		250	40°	1/16"x4	gtz-chl-py	<.5	- mostly diss py in this interval.	247	100	67	54131	.04	<.01		1.71	.004		.02
				50°	¼"x1	gtz-chl-py														
				70°to80°	⅛"to¼"x5	gtz-chl-carb-py														
				80°	1/16"x1	gtz-chl-py														

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BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu sol on Ox/Rcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
- from 257' to 260' the Tonalite has been deformed to where the minerals are pressed out into thin lamellae, that have been folded a bit. Within this deformed zone is most of this interval's diss py+cp.	ND		260	90°	1/16" x1	gtz-py-chl														
				40°	1/2" x1	gtz-chl														
				30° to 40°	1/4" to 1/2" x2	ep-gtz-pied-chl stwk	<.5		257	100	70	54132	.15	<.01		2.30	.004		.25
				90°	1/8" x2	py-gtz-chl-(cp)														
				40°	1/16" x1	gtz-ep-chl		- well developed chl shears for this interval												
				folded	1/16" x1	ep-chl-cp														
	ND		270	90°	1" x1	gtz-ep-chl-py-cp	<.5		267	100	60	54133	.12	<.01		2.36	.003		.07
				90°	1/2" x1	gtz-chl-(cp)														
				40° to 90°	1/4" to 1" x1	gtz-chl-py-cp														
				70°	4 1/4" x1	gtz-chl-py-cp		- about half of the Cu grade, for this interval, comes are large cp nugget in a 5" gtz vein, at 271'.												
				90°	5" x1	gtz-py-cp-chl														
	ND			90°	1/16" x3	gtz-chl-py	<.5		277	99	63	54134	.33	<.01		2.90	.009		.14
			280	80° to 90°	1/4" x2	gtz-chl-py-cp														
				60° to 90°	1/16" to 3/8" x8	gtz-chl-py-(cp)														
	ND to 70° wk			40° to 50°	1/16" to 1/4" x3	gtz-chl-carb-py	<.5		287	100	67	54135	.07	<.01		2.08	.003		.02
			290	80° to 90°	1/16" to 1/4" x3	gtz-chl-py														
- from 298' to 299.5' is a slightly deformed chl darkened tonalite interval, which has fairly solid 1/2" cp veins running through it. Naturally this little section contains most of Cu grade, in this 10ft interval.				50°	1/2" x1	gtz-chl-py														
	ND to 70° wk			20°	1/8" x2	gtz-chl-py														
				90°	1/4" x1	gtz-chl-py	<.5		297	100	73	54136	.99	<.01		2.84	.002		.43
			300	40°	1/2" x1	cp-gtz-chl														
				30°	1/16" x1	gtz-chl-py														
				40°	1/4" x1	gtz-cp-chl														
	ND			30°	1/4" x1	carb-gtz-py-chl	<.5		307	100	77	54137	.12	<.01		1.88	.003		.06
			310	40°	1/16" to 1/4" x3	gtz-chl-py														

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chief on Ox Rcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70° wk		320		30°	1/16" x 2	gtz-chl-py		Leach Cap											
					40° to 70°	1/8" to 1/4" x 2	gtz-ep-(py)-((cp))	<.5	Leachable Ox.											
					40°	1/8" x 2	gtz-ep-cp-py		Lim. Zone	317	100	73	54138	.07	<.01		1.36	.005		.02
					40°	1/16" x 2	gtz-chl		Supergene											
- from 325' to 326.5' is a low chl Tonalite section	ND to 40° wk		330		40°	1/16" x 1	gtz-chl-py		- some carb + hem joints and shears											
					mottled	1/16" x 3?	gtz-chl-py													
					20°	1/2" x 1	gtz-Mo-cp	<.5		327	100	67	54139	.13	<.01		1.18	.013		.05
					10°	1/2" x 1	ep-pied-gtz-carb-chl													
	ND		340		40°	5" x 1	gtz-chl-cp		- fair amount of cp+Mo seen smeared out in chl shears											
					70°	1/8" x 1	gtz-chl-py		- some 1/16" cp veins are running down the core axis, in the chl darkened tonalite section.											
					Sheer		Mo-cp	<.5		337	99	70	54140	.23	<.01		1.81	.026		.29
					30°	1/8" x 1	gtz-chl-py-ep													
	70° wk		350		0°	1/16" x 1	ep-pied-gtz-chl													
					70° to 90°	1/16" x 4	gtz-chl-py													
					70°	1/8" x 1	gtz-chl-carb-py	<.5		347	100	80	54141	.04	<.01		1.40	.001		.02
					mottled	1/16" to 1/2" x 1	gtz-chl-py													
	ND		360		0°	1/16" x 1	gtz-chl-py		- hem stained fragments of core from 357' to 358' may represent a fracture or fault zone											
					40°	shears x 2	chl-carb-(py)													
					90°	1/4" x 1	gtz-chl-cp-py	<.5		357	98	60	54142	.17	<.01		2.38	.001		.08
from 360' to 365' is a Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase section, which has a sharp contact with the surrounding Tonalite. ↓	ND		370		50°	1" x 1	gtz (vuggy) - chl - cp-py		- minor amounts of cp are well mixed with the abundant Py, so estimation of Cu grade will be difficult. - most of the cp for this interval resides in the Quartz Sericite unit.												
					80°	1" x 1	gtz-cp-py													
					20°	1/16" x 2	gtz-chl-py	3.0		367	97	67	54143	.38	<.01		6.59	.007		.26
					40°	1/8" x 1	gtz-chl-py													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on Ox Rec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		380		30° 10° 30°to40° 30°	1/16"to1/8" x5 1/8"to1/2" x1 1/8" x2 1/16" x2	gtz-chl-py gtz-chl-py-(cp) gtz-chl-cp-(py) gtz-chl-py	<.5			377	100	77	54144	.07	<.01		1.25	.003		.04
	ND		390		40° 50° 10° 20°	1/16"to1/4" x1 1/4" x1 1/16" x1 1/16" x5	gtz-chl gtz-chl-cp gtz-chl-py gtz-chl-carb-py	<.5		-very little veining and poorly developed joints/shears, in this strongly saussuritized interval	387	100	83	54145	.05	<.01		.87	.002		.03
	ND		400		20°to30° 10° 10° 40°	1/4" x3 1/16" x1 1/16" x6 1/16" x1	gtz-chl-py gtz-chl-cp gtz-chl-py gtz-chl-py	<.5		-light hem staining in a few fractures	397	100	73	54146	.09	<.01		1.51	.001		.03
-large blebs of cp can be seen in the chl darkened tonalite	ND		410		40° 10° 40° 40°	4" x1 1/8" x1 1/16" x2 1" x1	gtz-chl-cp gtz-chl-py gtz-chl-py-(cp) gtz-cp-chl	<.5		- most of the cp in this interval are not confined to veinlets but instead as diss blebs and a few large 1" nuggets.	407	100	77	54147	1.33	.01		4.58	.001		.88
	ND to 80°WK		420		20° 0° 10° 50° 40°	1/8" x1 1/16"to1/4" x1 1/4" x1 1/8" x1 1/16" x1	gtz-py-chl-cp cp-gtz gtz-py-chl-cp gtz-cp-Mo-chl gtz-chl-cp	<.5		- a few 1/16" to 1/4" solid cp veins running down the core axis might raise the Cu grade of this interval higher than it actualy is.	417	100	70	54148	.45	<.01		2.23	.023		.28
	ND		430		40° 40° 40° 40°	1/4" x1 shear 1/16"to3/8" x2 1/4" x1	ep-gtz-chl-cp hem-carb-gtz gtz-chl-py gtz-chl-(hem)	<.5		- extensive and strong hem staining of shears and joints.	427	100	60	54149	.09	<.01		1.52	.003		.03

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cl sol on Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		440		30°	Shear	hem - carb	<.5					- from 437' to 439' is a fault, with some hem stained gouge visible.	437	99	47	54150	.09	<.01		1.54	.010		.07
- from 447' to 449' is a short interval of the Quartz Sericite Chlorite Pyrite Alteration Phase.	ND		450		50° 40° 90° 40°	¼"x1 ⅛"x1 ¼"x2 shear	gtz - chl - py - (cp) gtz - chl - Mo - (cp) gtz - py - cp - mag - chl	<.5					- more hem stained gouge from 445' to 447', which represents another small fault.	447	96	57	54151	.07	<.01		2.75	.012		.04
	60°to70° mod to str		460		80° 40° 90° 50°	¼"x1 ¼"x3 3"x1 ⅛"x1	py - cp - gtz - chl gtz - chl - cp gtz - chl - cp - Mo gtz - chl - py	<.5						457	98	47	54152	.29	<.01		2.22	.023		.18
- there are bands of Chlorite Darkened Tonalite alternating with the Mine Phase Tonalite. It is the Chl darkened Tonalite that contains most of the cp.	70° str		470		40° 80° 40° 40°	⅛"to¼"x2 shear 3"to4"x5 6"x1	gtz - chl - py - (cp) rem - carb gtz chl - py - cp gtz (vuggy) - chl - cp - py	<.5						467	99	73	54153	.13	<.01		2.22	.001		.21
	40°to 70° str		480		40°to 50° 80° 70° 70°	⅛"to¼"x3 ⅛"to1"x2 1/16"x2 ⅛"to⅜"x3	gtz - chl - py - (cp) gtz - chl - cp - py gtz - chl - py gtz - chl - (py)	<.5						477	98	53	54154	.17	<.01		2.03	.009		.09
	70° wk		490		70° 50° 40°	½"x2 1/16"x10 ½"to2"x1	gtz - chl - py gtz - chl - py gtz - cp - chl - py - cp	<.5					- possible fault/fracture zone, from 480' to 482', full of broken core.	487	98	40	54155	.19	<.01		2.38	.004		.12

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70°to 90° wk		500		50°	1/8"x1	gtz-chl-py						- fault zone from 485' to 495', with some hem stained gouge visible.											
					50°	1/16"x3	gtz-chl-py																	
					80°	1/2"x1	gtz-chl-ep-py	<.5						497	95	43	54156	.12	<.01		1.88	.006		.03
					40°	1/16"x10	gtz-chl-py-ep																	
	ND to 70°wk		510		40°	1/4"to3/4"x2	gtz-chl-py-(cp)						- plenty of cp+py intermixed, in this interval's chl darkened tonalite.											
					40°	4"x1	gtz-chl-cp-py																	
					50°	1/16"to1/2"x2	gtz-py-cp-chl	<.5						507	100	70	54157	.23	<.01		3.71	.010		.22
					40°	1/4"x1	gtz(vuggy)-chl-cp-(py)																	
	ND to 70°wk		520		40°	1/16"x6	gtz-chl-py						- small fault zone from 103' to 103', with about 2" of gouge seen but no hem staining, within the zone, just in a few surrounding joints											
					40°	2"x1	gtz-chl-py	<.5						517	97	33	54158	.10	<.01		2.55	.004		.02
					40°to50°	1/16"x8	gtz-chl-py																	
	ND to 70°wk		530		10°	shear	hem-carb																	
					40°	1/16"to3"x5	gtz-chl-cp-(py)																	
					40°to50°	1/2"x3	gtz-chl-py-cp	<.5						527	100	73	54159	.16	<.01		2.54	.003		.17
					80°	1/4"to1/2"x1	gtz-chl-py-cp																	
- from 533' to 534' is a chl darkened tonalite interval which supplies most of cp for the entire 10ft interval					80°	1"x1	gtz-chl-py						- a few Mo bearing veinlets visible											
	70° wk to Str		540		70°to80°	1/16"x5	gtz-chl-py																	
					40°	1/16"x1	gtz-cp-py-chl	<.5						537	100	67	54160	.42	<.01		2.57	.007		.38
					40°	1/4"x1	gtz-py-chl-cp																	
	ND to 70°wk		550		40°	1/4to1/2"x1	gtz-chl-py-(cp)																	
					40°	5"x1	gtz-ep-chl-cp																	
					40°	1/8"to1/2"x2	ep-gtz-chl-py	<.5						547	100	77	54161	.18	<.01		1.73	.003		.09
					40°	1/16"x4	gtz-chl-py-(cp)																	

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-51 Page 10 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type & Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-from 553' to 557' is a Transition zone, within the zone the plag content has dropped severely and the qtz+chl content has increased. Therefore, the Transition zone is a hybrid between the Chl darkened Tonalite	ND		560	40° 40° 30° 70°	1/16" x 2 1/16" to 1/2" x 2 1/8" x 1 1/16" x 4	qtz-chl-cp qtz-chl-py-cp py-qtz-(cp) qtz-chl-cp	1.0		557	100	53	54168	.23	<.01		3.46	.010		.08
and the Leucocratic phase. Only the qtz grains have visible grain boundaries, whereas the plag+chl are somewhat blended into a dark grey matrix.	40° to 70° WK		570	40° 40° 50° 50°	1/2" x 1 2" x 1 6" x 1 1/16" x 3	qtz-py-cp-chl qtz-cp-chl qtz-chl-carb qtz-py-chl	<.5		567	100	50	54163	.17	<.01		2.51	.011		.07
	ND		580	70° 40° 40°	1/4" x 1 1/16" x 3 1/16" to 3" x 2	qtz-py-chl-ep qtz-chl-py qtz-chl-py-(cp)	<.5		577	98	47	54164	.13	<.01		2.02	.005		.04
	ND		590	40° 40° 40° 40°	1/16" x 2 1/8" to 2" x 3 4" x 2 1/2" x 1	qtz-chl-py-hem py-qtz-cp qtz-chl-py-cp py-cp-qtz	<.5	-some hem stained gauge in a few fractures from 580' to 581'. The gauge measures 2" at most.	587	99	50	54165	.23	<.01		3.84	.005		.18
	ND		600	40° 40° 40°	1/16" x 2 1" x 1 1/8" to 1" x 2	qtz-py-cp-chl py-qtz qtz-py-cp-chl	2.0	-abundant diss py+(cp) dispersed throughout this interval.	597	100	67	54166	.21	<.01		4.92	.006		.23
-from 607' to 608' is a small interval of Quartz Epidote Chlorite.	40° to 70° mod		610	40° 70° 80° 30°	1/8" x 1 1/2" x 1 1/8" to 1/4" x 2 2" x 1	qtz-py-chl qtz-cp-chl qtz-py-chl-cp qtz-ep-chl-cp	<.5		607	100	83	54167	.10	<.01		1.30	.004		.11

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlcd on OxPtcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70° wk		620	folded	1" x 1	gtz-chl-py	<.5	- there is some evidence of small scale folding and deformation in this interval.	617	98	67	54168	.10	<.01		3.32	.006		.04
				40°	2 1/2" x 1	gtz-py-(Mo)-(cp)														
				folded	1/2" x 1	gtz-chl-cp														
				40°	2 1/2" x 1	gtz-py-Mo-(cp)														
	ND to 60° wk		630	10° to 90°	1/16" x 2	gtz-chl-py-cp-Mo	<.5		627	100	70	54169	.07	<.01		1.33	.002		.03
				70°	1/3" x 1	gtz (vuggy)-ep-chl														
				30°	1/16" x 4	gtz-chl-py														
				40°	1/16" x 2	gtz-chl-py														
	40° wk to str		640	40°	1/4" x 1	gtz-py-chl-(cp)	<.5		637	100	77	54170	.14	<.01		2.04	.003		.07
				40°	4" x 1	gtz-chl-ep-(py)														
				40°	1/16" x 2	gtz-chl-py-cp														
				40°	1/16" to 1" x 8	gtz-chl-py														
	40° wk		650	40°	1/4" x 1	gtz-chl-ep	<.5	- one 9" section of Quartz Sericite Pyrite Chlorite Chalcopyrite Alteration Phase supplies most of the cp for this entire left interval	647	99	70	54171	.13	<.01		2.26	.005		.13
				40°	1/16" x 1	gtz-py-chl														
				50°	9" x 1	gtz-chl-py-cp														
				30°	1/4" x 1	gtz-ep-chl-(cp)														
	40° mod			40°	1/16" x 2	gtz-chl-py	<.5		657	100	70	54172	.07	<.01		1.42	.003		.02
				40°	1/16" to 1/2" x 2	gtz (vuggy)-chl-py-cp														
				40°	1 1/2" x 1	gtz-py-chl														
						657' ☆ EOH														
						Duck Pond														

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-52 Page No. 1 of 11

LOCATION GIBRALTAR WEST | BEARING — | LATITUDE (N) 48,280.41 | CORE SIZE NQ | LOGGED BY Dick Poon

DATE COLLARED July 28, 1994 | LENGTH 607 feet | LONGITUDE (E) 43,516.99 | SCALE OF LOG 1" = 10' | DATE August 9, 1994

DATE COMPLETED July 29, 1994 | DIP -90° | ELEVATION 3059.56 ft. | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- MINE PHASE TONALITE
- CHLORITE DARKENED MINE PHASE TONALITE
- QUARTZ SERICITE CHLORITE PYRITE ALTERATION PHASE

computer depths:
ovb- 0.01'
leach cap- 0.02'
leach ox- 0.03'
supergene- 0.04'

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

badly broken rock | fault gouge | increase | decrease | ( ) minor amount | (( )) very minor amount

alt = alteration, az = azurite, bo = bornite, brx = broken rock, bx = breccia, carb = carbonate, cc = chalcocite, chl = chlorite, cp = chalcopyrite, diss = disseminated, ep = epidote, gg = gouge, gr = garnet, gyp = gypsum, hem = hematite, lim = limonite, mag = magnetite, mal = malachite, MnO2 = pyrolusite, Mo = molybdenite, mod = moderate, ND = non directional, pied = piedmontite, py = pyrite, qtz = quartz, rx = rock, sauc = saucerite, scr = sericite, sph = sphalerite, str = strong, StWk = stockwork, tet = tetrahedrite, wk = weak, ank = ankerite

BOTTOM DEPTHS: Leach Cap —; Leachable Ox. 134 feet?; Lim. Zone 143 feet; Supergene 68 feet?

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization (Decreasing Order of Abundance)	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Chal on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
							⁂51983 → HQ core sample representing 0-12'. Do not enter in computer.				51983	.01	<.01		.67	.001		
							CASING TO 12'											
MINE PHASE TONALITE: 12' to 607' The Tonalite in this hole is quite similar to Tonalites seen in other holes of Gib west. The	ND	20	40°+50° 40° 40°	⅛"x2 shear ⅛"x2	ep-gtz-lim-MnO_2 lim-chl-MnO_2 ep-gtz	<.5	- light brown mineral, that coats most of the gtz grains in this interval might be ankerite! but no effervescence even upon scratching.	17	98	60	54201	.01	.01	<.01	.85	.001		.01
Tonalite is composed of plag+ gtz+chl mainly. The plag has generally undergone some degree of saussurite alteration, which explains its yellow-green appearance whereas the chl blebs are dark green and vary in concentration		30	40° 40° 40° 40°	⅛"x1 ⅓"x3 Sheers x2 shear	ep-gtz-chl ep-gtz-ank? slwK lim-MnO_2-chl lim-chl-MnO_2	<.5	- the grain. - a few mal bearing joints in this 20' to 30' interval	27	99	57	54202	.01	.01	<.01	.77	<.001		.02
throughout the unit.		40	40° 5 mottled 40° 40°	½"x2 ⅛"x5 ⅓"x1 shear	gtz-chl-ep-(py) ep-gtz-chl ep-gtz-ank? chl-lim-MnO_2	<.5	- ep alteration has resulted in numerous ep stringers that mottle the appearance of the Tonalite a bit.	37	99	53	54203	.01	.01	<.01	1.00	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-52 Page 2 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Ox Grade
	ND to 90°wk		30		40°to50° 40° 0°to10° 40°	1/8"x3 shears x3 1/16"x1 1"x1	ep-gtz-chl-ank lim-chl-MnO_2 gtz-chl-py-cp chl-gtz-lim	<.5	- first significant appearance of cp+lim so this interval might be a transitional zone between lim+cp.	47	99	60	54204	.20	.01	.01	1.96	.001		.07
	ND to 90°wk		60		70° 40° 80° 70° 40°	5"x1 1/16"x2 shears x2 1/4"x1 1/8"x3	ep(vuggy)-chl-lim-(MnO_2) ep-gtz-chl chl-MnO_2-py-mal gtz-chl-cp-py ep-gtz-chl-pied	<.5	- there are jade green specks of mal dispersed throughout this interval.	57	100	77	54205	.05	.01	<.01	1.54	.003		.06
	ND		70		20° 40° 40° 40°to50°	1/2"x1 1/16"to1/8"x2 1/4"x3 1/8"x2	gtz-chl-cp-(py) ep-gtz-chl-pied stwk ep-gtz-chl gtz-chl-gr-sph	<.5	- at 68' is possibly some dark cc coating a few cp+py grains. Also, at 64' is some native Cu smeared out along chl shears.	67	100	70	54206	.13	.01	.01	2.11	.004		.10
	ND		80		80° 40°to50° 40° 40°	11"x1 1/16"x2 1"to1 1/2"x2 1/4"x3	chl-ep-gtz-carb-grsph ep-pied-chl chl-gtz-ep-py-cp ep-gtz-chl stwk	<.5	- from 69' to 71' there is some transparent orange garnets and yellowish sphalerite embedded in the chl. - at 75'.	77	100	87	54207	.03	<.01	<.01	2.30	.002		.03
	ND to 40°-70°wk		90		40° 40° 50° 70°	1/4"to1"x1 1/16"x2 8"x1 1/4"x2	ep-gtz-chl stwk gtz-chl-cp-py gtz-chl-carb gtz-chl	<.5		87	100	80	54208	.07	<.01	<.01	1.48	.002		.02
	70° to 80°wk		100		40°to50° 40° 50° 40° 80°	1/8"to1/4"x4 1/16"to1/8"x2 1/4"x1 1/8"to1 1/2"x1 1/8"x1	ep-gtz-chl stwk gtz-chl-py-cp gtz-py-chl-cp gtz-ep-chl-cp-py gtz-chl-cp	<.5		97	100	73	54209	.12	<.01	.01	1.70	.001		.08

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cl sol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 30° mal	110	0° 30°to45° 50° 40°	1/8"x1 1/8"x2 1/16"x20" 1/16"x2	chl-gtz-py-hem gtz-chl-carb-cp-py chl-gtz-ep-py ep-gtz-chl	<.5	-from 100' to 103' the Tonalite has been stained a purplish-red by hem. Within this section is a 4" interval of gouge, which may represent a small fault zone.	107	98	57	54210	.10	.01	.01	1.81	.041		.03
	ND to 40°-70° wk	120	70°to85° 0°to10° 20° 40°	1/16"to2"x3 1/8"to2"x1 1/8"x1 1/16"to1"x3	gtz-chl-ep gtz-chl ep-gtz-chl gtz-chl-ep-py	<.5	-fair number of veins in this interval but not much cp+py mineralization seen.	117	99	77	54211	.01	<.01	<.01	.95	.001		.01
	70°-90° wk-str	130	40° 45°to70° 40° 80° 80°	1/16"to3/16"x4 1/8"to1"x2 1/2"to3/4"x3 1/16"x1 shears x3	ep-gtz-chl-(cp) ep-gtz-pied-chl-py ep-gtz-chl-pied-py gtz-chl-py lim-chl	<.5	-mostly diss py seen in this interval. -quite a few intensely limonized shears seen near the end of this interval.	127	100	57	54212	.09	.01	.01	1.53	.003		.02
	70°-80° mod-str	140	40°to50° 40° 20° 40° 70°	1/16"x3 shear 1"to3"x1 1 3/4"x1 1/16"to1"x4	ep-gtz-pied lim-(mal) gtz-chl-cp ep-gtz-chl stwk gtz-chl-py-cp	<.5	-reappearance of mal in one of the shears for this interval.	137	100	73	54213	.08	.01	<.01	1.15	.002		.06
	ND to 70°wk	150	50° 70°to80° 70° 70°	1 3/8"x1 1/16"to1"x4 1/16"to3/8"x8 1/2"x2	ep-gtz-chl-py ep-gtz-chl stwk ep-gtz stwk ep-gtz-pied stwk	<.5		147	99	63	54214	.02	<.01	.01	.93	.002		.01
	ND to 70°wk	160	60°to70° 40° 80° 70°	1/2"x3 1/4"x1 1/16"to1 1/2"x2 1"x1	ep-gtz-chl ep-gtz-chl ep-gtz-chl-(py) ep-gtz-chl	<.5		157	100	83	54215	.01	<.01	<.01	.99	.001		.01

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CN sol on Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-there are bands of chl darkened Tonalite, from 1" to 1', that alternate with the Mine Phase Tonalite. It is the chl darkened Tonalite that contains most of the cp+py.	ND to 70°-90° wk		170		70°to90°	$\frac{1}{16}$"x6	ep-gtz-chl stwk																	
					70°	$2\frac{1}{2}$"x1	py-gtz-chl-ep-cp	<.5						167	98	57	54216	.19	<.01		2.20	.002		.12
					65°	$\frac{1}{4}$"x2	gtz-chl-ep-cp-py																	
					50°to70°	$\frac{1}{4}$"x2	ep-gtz-pied-chl stwk																	
	ND to 90°wk		180		70°	$\frac{1}{8}$"x2	ep-gtz-chl stwk																	
					40°to50°	$\frac{1}{16}$"to$\frac{1}{8}$"x3	gtz-chl-ep-py-cp																	
					40°	3"x1	gtz-chl-ep	<.5						177	100	80	54217	.07	<.01		1.18	.001		.03
					40°	$\frac{1}{4}$"x1	gtz-chl-ep-cp-py																	
	ND to 70°-90° wk		190		80°	$\frac{1}{16}$"x4	ep-gtz-chl stwk						- very little veining and banding, in this interval, makes the Tonalite quite barren											
					40°	$\frac{1}{16}$"x1	gtz-ep-chl	<.5						187	100	83	54218	.02	<.01		.82	.001		.01
					30°	$\frac{1}{16}$"x1	gtz-chl-ep																	
	ND		200		40°	2"to3"x2	gtz-chl-cp-py						- within 190' to 191' are two 2" to 3" chl darkened bands, which supply most of the cp for the entire interval.											
					90°	$\frac{1}{8}$"x1	ep-gtz-pied-chl stwk																	
					80°to90°	$\frac{1}{16}$"to$\frac{1}{2}$"x4	ep-gtz-chl-py	<.5						197	100	50	54219	.13	<.01		1.63	.002		.14
					45°to90°	$\frac{1}{4}$"to$\frac{1}{2}$"x2	gtz-chl																	
	ND to 70°wk		210		80°	$\frac{1}{8}$"x1	gtz-chl																	
					70°	$\frac{1}{4}$"x1	gtz-(chl)-(cp)																	
					mottled	$\frac{1}{8}$"to$\frac{1}{4}$"x5	ep-gtz-chl	<.5						207	100	80	54220	.21	<.01		1.67	.001		.08
					50°to70°	$\frac{1}{4}$"x2	gtz-cp-py-chl																	
	ND		220		70°	$\frac{1}{16}$"to$\frac{1}{8}$"x2	ep-gtz-chl						- increased chl content and cp+py mineralization in this interval.											
					40°	3"x1	ep-gtz-cp-chl																	
					70°	$\frac{1}{16}$"to$\frac{1}{4}$"x4	ep-gtz-chl-py	<.5						217	100	67	54221	.08	<.01		1.36	.001		.07
					70°to90°	$\frac{1}{16}$"to$\frac{1}{4}$"x3	gtz-py-chl																	

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap | Leachable Ox. | Lim. Zone | Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Chlcl on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		230		70°	⅛"x2	ep-gtz-chl stwk													
					70°	¼"x1	py-gtz-cp-chl													
					50°	1/16"to1"x10	ep-gtz-chl stwk	<.5		227	100	60	54222	.11	<.01		1.79	.008		.06
					90°	1/16"x1	gtz-chl-py													
-from 233' to 235' is a short interval of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase.	ND		240		40°	⅛"x2	gtz-chl		-there are some truncated gtz veins, which may indicate some deformation occured within this interval.											
					40°	1"x1	ep-gtz-chl-py stwk													
					90°	1"to2"x1	gtz-chl-cp-py	<.5		237	97	63	54223	.07	<.01		2.00	.002		.16
					90°	¼"x1	py-gtz-cp													
					40°	¼"x4	ep-gtz-chl-py													
	ND		250		80°	⅛"x3	ep-gtz-chl stwk													
					mottled	1/16"x7?	ep-gtz-chl stwk													
					90°	1"x1	ep-gtz-chl-py	<.5		247	100	87	54224	.02	<.01		1.18	.002		.02
					80°	1/16"x3	gtz-chl-py													
- there are a few 2" bands of Quartz Sericite Pyrite Chlorite Chalcopyrite Alteration Phase.	ND		260		50°	¼"x1	gtz-chl-py													
					40°	¼"x1	gtz-py-cp-chl													
					50°	3⅛"x1	gtz-py-cp-chl	<.5		257	100	57	54225	.20	<.01		2.13	.003		.17
					40°	1/16"to¼"x7	ep-gtz-chl													
	ND		270		80°	1/16"x4	gtz-chl-py		- mostly diss py and ep stringers running through this interval.											
					40°	1/16"x1	gtz-chl-py													
					70°	1/16"to¼"x4	ep-gtz-chl-py	<.5		267	100	73	54226	.10	<.01		1.26	.005		.02
					70°	1/16"to⅛"x2	gtz-chl-py													
	ND		280		mottled	1/16"to¼"x3	ep-gtz-chl stwk													
					40°	1"to2"x2	ep-gtz-chl stwk													
					50°	⅛"x1	gtz-chl-py	<.5		277	100	80	54227	.06	<.01		1.09	.003		.03
					90°	⅛"x1	gtz-chl-py													

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-52 Page 6 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cl/sol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		290	mottled folded 50° 80°	1/16" x 20° 1/4" vn 1/16" x 5? 1/8" vn	ep-gtz-chl stwk gtz-chl-py ep-gtz-chl stwk ep-gtz-chl stwk	<.5					-light hem staining of the tonalite, from 288' to 289'. -most of the veins and veinlets have either been offset or folded in this interval.	287	100	70	54228	.07	.01		1.58	.002		.02
	ND		300	40°to60° 40° 40°to50°	1/8"to2"x2 1/8"to1"x2 1/16"to1/8"x6	gtz-carb-chl ep-gtz-chl stwk ep-gtz-chl	<.5					-fault zone from 298' to 308', with some short intervals of hem stained gouge.	297	100	60	54229	.07	<.01		1.88	.003		.02
	ND		310	40° 40° 80°to90°	shear 1/16"x1 1/8"x2	chl-(hem) gtz-chl-cp-py gtz-cp-py-chl	<.5					-drastic drop in the number of ep stringers from the previous interval to this one. As a result cp+py is slightly higher.	307	70	17	54230	.17	<.01		1.86	.002		.08
-from 310' to 314' is an interval of Quartz Sericite Chlorite Pyrite Alteration Phase. Within this interval are small 1"to2" bands of Tonalite alternating with this Quartz Sericite unit.	ND		320	90° 80°to90° 70° 80°	3/4"x1 1/8"x2 1/8"x1 1/8"to1 1/8"x1	gtz-py-ser-chl-cp gtz-py-chl-(cp) gtz-py-carb-chl gtz-chl-ep-py	<.5						317	97	60	54231	.11	<.01		3.01	.001		.03
-one small 4" interval of Quartz Sericite Chlorite Pirite Chalcopyrite Alteration Phase, within a chl darkened Tonalite section from 329' to 330', provides almost all the cp+py for the entire 10ft interval.	ND to 70°-90° wk		330	70°to80° mottled 40° 50°	1/16" to 1/8"x4 1/16" to 1/4"x5 1/8"x1 4"x1	gtz-py-chl gtz-chl-py-cp gtz-chl-cp-cp gtz-cp-py-ser-chl	<.5					-the cp+py are well mixed together, in this interval.	327	100	67	54232	.39	<.01		3.77	.001		.23
	ND to 70°-90° wk		340	70° 40° 40° 40°	1/8"x1 1/8"x2 1/4"x1 1/16"x1	gtz-chl-cp-py gtz-chl-py-ep gtz(vuggy)-chl-py gtz-chl-py	<.5						337	100	73	54233	.08	<.01		1.47	.002		.06

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70° wk		350	40°	1/16" x 5	gtz-chl-py	<.5					- light hem staining on a few joints + shears.	347	100	67	54234	.03	<.01		1.24	.003		.02
				40°	1"+0.2"x1	gtz-chl-py-cp																		
				40°	1/8"x2	gtz-chl-py																		
				10°	1/16"x8	gtz-chl-py																		
	ND		360	70°	1/2"x1	gtz-ep-py-chl-ser	<.5						357	100	77	54235	.02	<.01		1.40	.003		.01
				40°	1/4"+0.1/2"x1	gtz-py-chl																		
				30°	1/8"+0.1/2"x1	gtz-carb-chl-py																		
				40°	1/8"x1	gtz-chl-py																		
	ND to 20°-30° wk		370	40°+50°	1/16"x 7	gtz-chl-py	<.5						367	100	83	54236	.05	.01		2.03	.006		.02
				40°	1/16"+0.1/8"x8	gtz-chl-py																		
				40°	1/4"+0.2"x1	gtz (wispy)-carb-py-chl																		
				40°	1/4"x1	gtz-chl-py-hem-cp																		
	ND to 70°-90° wk		380	70°	1"x1	gtz-py-chl-cp	<.5					- most of the diss cp can be found between 370' and 371'.	377	100	53	54237	.08	<.01		2.50	.003		.04
				30°	1/16"x2	gtz-chl-py																		
				70°	1/2"x1	gtz-ep-chl																		
				70°	1"x1	ep-gtz-chl wk																		
	ND		390	30°	1/8"x1	ep-gtz-chl	<.5					- there appears to be atleast two generations of veins, as the primary gtz + py ± cp veins have been truncated by later ep+gtz veins.	387	100	67	54238	.08	<.01		1.93	.002		.06
				40°	1"x1	ep-gtz-chl wk																		
				40°	1/8"+0.1"x2	gtz-chl-py-(cp)-(hem)																		
				30°	1/4"x1	ep-gtz-chl-py-cp																		
	ND		400	40°	1/16"+0.1/4"x6	gtz-chl-py-(cp)	<.5						397	100	57	54239	.05	<.01		2.45	.018		.04
				40°	1/16"x4	gtz-chl-py-carb																		
				70°	1"x1	gtz-py-carb-cp-chl																		
				40°	1/16"+0.1/8"x10	gtz-chl-py																		

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu sol on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND				40°to 50°	1/16" x 4	gtz-chl-py																	
					40°to 50°	1/16" to 1/8" x 3	gtz-chl-carb-py																	
			410		50°	1/16" x 18	gtz-chl-py	<.5						407	100	77	54240	.04	<.01		1.94	.003		.01
					40°	1/2" x1	gtz-chl-py																	
-from 418' to 430.5' is a Quartz Sericite Chlorite Pyrite interval, along with several small bands alternating with the tonalite throughout this 12ft interval.					50°	1" x1	gtz-chl-ser-py																	
	ND to Wk				40°to 90°	1/16" to 1/8" x 5	gtz-chl-py																	
					30°	shear	carb-hem-chl	1.0						417	100	73	54241	.09	<.01		3.15	.004		.01
			420		50°	1/2" x1	gtz-chl-carb																	
					70°	1/8" x1	gtz-py-ser-chl																	
					50°	1/2" x1	ep-gtz-chl																	
					70°	1/16" x2	gtz-chl-py-ep																	
	70°-90° mod-str				70°	1" x1	gtz-py-chl-(Mo)	<.5						487	100	63	54242	.05	<.01		1.56	.004		.02
			430		80°	1/2" x1	gtz-chl-py-cp																	
					70°	1/2" x1	ep-gtz-chl						-fault zone from 435' to 434', with about 2' of hem stained gouge visible.											
	ND				40°	1/16" x1	gtz-chl-py																	
					80°	1/8" to 1/4" x2	gtz-carb-chl	<.5						437	96	27	54243	.06	<.01		2.23	.005		.01
			440																					
-several chl darkened tonalite bands alternating with the Mine Phase tonalite.					70°	1/2" to 1"	gtz-py-chl-cp-carb						- mostly diss py, with a minor amount of cp) for this interval.											
	70°-90° mod-str				70°	1/2" x1	gtz-chl-carb-py-cp																	
					90°	1" x1	gtz-py-chl-(Mo)-(cp)	<.5						447	92	53	54244	.18	<.01		2.68	.013		.04
			450		70°	1" to 2" x2	gtz-chl-py-cp																	
					50°	1/16" x2	gtz-chl-py																	
					40°	6" x1	gtz-chl-py																	
	70°-80° wk-str				20°	1/8" x1	gtz-py-carb-cp	<.5						457	100	77	54245	.10	<.01		1.67	.005		.04
					70°	1/8" to 1/2" x8	gtz-py-chl-cp																	
			460		50°	1/16" to 2" x10	gtz-chl-py																	

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Cu not as Ox/Sec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70°-90° wk-mod		470		70° 50° to 70° 80° 50° 50°	1/8" x1 1/16" x3 1/2" x3 6" x1 5" x1	gtz-carb-chl gtz-chl-py-(cp) gtz-chl-(py) gtz-chl-py-(Mo) gtz-py-ser-chl	<.5		467	100	80	54246	.07	<.01		2.76	.010		.08
- a fair bit of Mo can be seen in the Quartz sericite intervals	ND to 70° wk		480		50° 80° 60° 70°	4" x1 1/16" x3 3/4" x1 6" x1	gtz-py-ser-cp-chl-Mo gtz-chl-py gtz-chl-carb gtz-py-ser-Mo	<.5		477	100	60	54247	.12	<.01		2.95	.026		.06
	50°-70° wk-mod		490		0° 40° 40° to 50° 40°	1/16" to 2" x1 2" x1 1/16" x3 1/8" x2	gtz-carb-chl-py gtz-chl-py gtz-chl-py gtz-chl-py-cp	<.5	- mostly diss py seen, with next to nil cp in this interval	487	100	63	54248	.05	<.01		1.53	.005		.02
	ND		500		40° 40° 60° to 70° 90°	1/4" x1 1/8" x1 1/16" to 1/4" x2 1 1/2" x1	gtz-chl gtz-chl-py gtz-py-chl-cp gtz-cp-chl	<.5	- most of the cp for this interval is within the chl darkened Tonalite.	497	100	73	54249	.25	<.01		2.31	.003		.23
	ND to 70° mod		510		50° to 70° 50° 70° 50°	1/16" to 1" x6 1/8" to 1" x2 1/4" to 1/2" x2 3" x1	gtz-chl-py-ep-(cp) gtz-chl-cp-py gtz-py-chl-(cp) gtz-py-Mo-chl	<.5		507	100	57	54250	.07	<.01		2.67	.008		.03
	ND to 60°-90° mod		520		70° 60° 70° 50° 50°	1/8" to 1 1/2" x2 3/4" to 1" x2 1/4" to 2" x2 1/16" x1 8" x2	gtz-chl-carb-ep gtz-chl-py-Mo gtz-chl-ep-(py) gtz-py-chl gtz-chl-py-((cp))	<.5		517	100	87	54251	.04	<.01		1.26	.006		.02

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlst on Ox/Rcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 50°-90° mod-str		530	50°to70° 60° 50° 60° 0°	1/8"x2 1"to3"x2 1"x1 1/4"to1"x2 1/2"to1 1/2"x1	gtz-chl-carb-py gtz-chl-ep-py gtz-chl-py-(ep) gtz-chl-py-(ep) gtz-chl-carb-ep	<.5						527	100	77	54252	.13	<.01		1.95	.005		.04
-Quartz Sericite Pyrite Chlorite Alteration Phase, from 538'to 540.5'	ND to 50°-90° wk		540	50° 40° 40°to50° 70°	1/16"x2 1/16"x1 1/16"x2 1/8"to3/8"x3	gtz-py-chl gtz-ep-chl gtz-chl-py-(cp) gtz-chl-py	<.5						537	100	70	54253	.06	<.01		2.43	.001		.03
-quite a range of rock types in this interval. For instance, there are 3"-5" bands of Chl Darkened Tonalite and Leucocratic Phase, that alternate with the Mine Phase Tonalite.	ND to 60°-90° wk		550	50° 70° 60° 60° 60°	3"x1 1/4"x1 2 1/2"x1 3"x1 3"x1	gtz-carb-ep-cp gtz-py-chl gtz-py-chl-Mo-((cp)) gtz-chl-ep-(py) gtz-carb-chl-cp-py	<.5	-there are a few short cp veins that run down the core axis, so this may raise the grade of this interval higher than it actually is.					547	98	67	54254	.11	<.01		2.33	.004		.07
	ND to 50°-90° mod-str		560	40° 50° 50° 60°	1/16"to1/4"x2 1/8"x2 1/4"x1 1/8"to1"x8	gtz-ep-chl-(py) gtz-chl-py gtz-chl-((cp)) gtz-chl-(py)	<.5						557	100	80	54255	.05	<.01		1.20	.003		.01
-Chl content is fairly high, for this entire interval, and is very close to being the Dark Chlorite Alteration Phase. unfortunately, mostly diss py seen with all this chl.	ND		570	40° 40° 50° 40°	1/4"to1"x1 1/4"x1 3"x1 1"x1	gtz(vuggy)-carb-chl-pycp gtz-py-chl-carb carb(vuggy)-gtz-chl-py gtz-py-carb-(cp)	<.5						567	100	63	54256	.05	<.01		2.02	.001		.08
	ND		580	90° 50°to70° 30° 40°	1/4"to1 1/2"x1 1/8"x8 1/8"x1 1/16"to1/2"x3	gtz-chl-carb-(cp) gtz-chl-py-carb gtz-carb-chl gtz-carb-py-chl-cp	<.5	-at 574' is a 2" section of the Tonalite that has been heavily stained by hem, with no sign of any faulting or fracturing closeby.					577	100	57	54257	.05	<.01		1.68	.002		.03

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt'n.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu as OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		590	40°	1/16" x 1	gtz-chl-py	<.5		-heavy hem staining on a few shears in this interval -two generations of veins, for this interval so that the gtz-carb veins cut across the earlier gtz-py veins.	587	100	77	54258	.05	<.01		1.41	.002		.02
				50°	7" x 1	gtz-chl-ep-(cp)															
				40°-70°	1" to 2" x 2	gtz-chl-carb															
				60°	4" x 1	chl-gtz-carb-(cp)															
	ND		600	30°	1/4" x 1	gtz-ep-chl stwk	<.5			597	100	67	54259	.13	<.01		2.31	.005		.02
				40	1/8" x 3	gtz-carb-chl															
				50°	1/2" x 1	gtz-chl-ep															
				70°-80°	1/16" x 2	py-gtz-carb-chl-cp															
	ND to 90° wk			40°	1/8" x 1	gtz-carb-chl	<.5			607	100	73	54260	.07	<.01		1.24	.003		.01
				50°	1/4" to 1" x 4	gtz-chl-ep-(py)															
				40	1/16" to 1/8" x 2	ep-pied-gtz-chl															
						607' ★ E.O.H.															
						Duck Poor															

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-53 Page No. 1 of 9

LOCATION GIBRALTAR WEST | BEARING — | LATITUDE (N) 48,114.61 | CORE SIZE NQ | LOGGED BY Dick Toon

DATE COLLARED July 29, 1994 | LENGTH 537 feet | LONGITUDE (E) 43,239.37 | SCALE OF LOG 1" = 10' | DATE August 12, 1994

DATE COMPLETED July 30, 1994 | DIP -90° | ELEVATION 3021.66 ft. | REMARKS RODS STUCK, HAD TO ABANDON HOLE

ROCK TYPES and ALTERATION SYMBOLS

- MINE PHASE TONALITE
- DARK CHLORITE ALTERATION PHASE
- CHLORITE DARKENED MINE PHASE TONALITE
- QUARTZ SERICITE CHLORITE PYRITE (cp) ALTERATION PHASE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

badly broken rock; fault gouge; ↑ increase; ↓ decrease; ( ) minor amount; (( )) very minor amount

alt = alteration, bo = bornite, brx = broken rock, bx = breccia, carb = carbonate, cc = chalcocite, chl = chlorite, cp = chalcopyrite, diss = disseminated, ep = epidote, gg = gouge, gr = garnet, gyp = gypsum, hem = hematite, lim = limonite, mag = magnetite, mal = malachite, MnO2 = pyrolusite, Mo = molybdenite, mod = moderate, ND = non directional, pied = piedmontite, py = pyrite, qtz = quartz, rx = rock, sauc = saussurite, ser = sericite, sph = sphalerite, str = strong, StWk = stockwork, tet = tetrahedrite, wk = weak

BOTTOM DEPTHS

Leach Cap —; Leachable Ox. —; Lim. Zone 89 feet; Supergene —

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization (Decreasing Order of Abundance →)	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
							CASING TO 82'											
MINE PHASE TONALITE: 82' to 537' Mineralogically the tonalite is made up of plag-qtz-chl. The plag has undergone saussurite	ND to 90° wk	90	40°-50° 50° 70° 80°	¼"-½"x5 shear 1/16"x1 1"x1	qtz-chl-py chl-py-cp qtz-chl-cp-(py) ep(vuggy)-qtz-carb-chl	<.5	- a few quartzites and meta sedimentary chunks mixed in with the debris, from 82'-83'	87	99	80	54061	.05	.01	<.01	1.61	.002		.02
alteration, which gives it a yellow-green appearance. The chl, represents the major mafic component in a tonalite, and is found as dark green blebs. These chl blebs are generally oriented	ND to 40°-60° mod	100	80° 70° 60° 40°	1/16" to 1½"x4 ⅛"x1 ½"x2 1/16"x1	ep-qtz-chl stwk qtz-chl ep-qtz-py-chl qtz-chl-py-(cp)	<.5	- some hem stained joints in this interval.	97	100	63	54062	.03	<.01	<.01	1.00	.001		.01
to some direction, in the holes of Gib West, and can fluctuate in concentration throughout the hole.	ND to 70-90° wk	110	mottled 40° 70° 80°	⅛"x4? 1/16"x3 ¼"x1 1/16"-¼"x2	qtz-chl-ep qtz-chl-py-cp-ep qtz-chl-ep-py ep-qtz-chl stwk	<.5	- minor sericite seen in a few shears.	107	100	70	54063	.08	.01	<.01	1.46	.001		.02

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 40°mod		120	40° 70° 50° 90°	1/16"to1/8"x3 1/2"x2 1/16"to1/4"x1 2"?x1	ep-gtz-chl stwk ep-gtz-chl stwk gtz-carb-chl-hem-(py) gtz-chl-cp	<.5	-the tonalite from 116' to 130' is a purple-red color from intense hem staining. -from 119' to 120' are a few chunks of a broken gtz vein	117	99	50	54264	.09	<.01		1.31	.002		.04
	ND		130	30° 70°to80° 80° 90°	1/16"x1 1/8"x6 1"x1 1/2"x1	gtz-carb-chl ep-gtz-chl-pied stwk gtz-chl-cp-ep-py ep-gtz-chl-stwk	<.5	that supplies the interval with most of the cp.	127	98	33	54265	.09	<.01		1.64	.003		.06
	ND		140	80° 70° ? ? 70°	2"x1 1/8"x1 1/16"x1	ep-gtz-chl-py-hem gtz-py-cp-chl ep-gtz-chl stwk	<.5	-major fault zone from 132' to 216', with large sections of hem stained gouge and pebble to cobble sized pieces of core	137	60	3	54266	.09	<.01		1.68	.002		.03
	ND to 90°mod		150	90° 40° 70° 60°	1/8"x2 2"x1 1/8"x1 1/16"x2	ep-gtz-chl stwk ep-gtz-chl stwk ep-gtz-pied-chl stwk gtz-chl-py	<.5		147	85	13	54267	.07	<.01		1.55	.001		.01
	ND to 80°-90° mod		160	70° 70° 80° mottled	1/16"to1/8"x3 1/4"x1 shear 1/16"x3	ep-gtz-chl-(py) stwk ep-gtz-chl hem-carb ep-gtz-chl-(py) stwk	<.5	-heavy hem staining in nearly all the joints + shears.	157	90	10	54268	.01	<.01		.93	.005		.01
	ND		170	? ? 90° ?	1/16"x1	ep-gtz	<.5	-only about a foot of intact tonalite, in this interval, the rest is busted up debris	167	45	3	54269	.01	<.01		1.00	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-53 Page 3 of 9

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Footage	Rx type & Alt.	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not as Ox/Sx	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 80°-90° wk	180			40°	1/8"x1	ep-gtz-chl stwk	<.5			177	60	10	54270	.03	<.01		.80	.001		.01
					70°	1/16"x1	ep-gtz-chl stwk														
					70°	1/2"-2"x1	ep-gtz-chl stwk														
					80°	1"x1	gtz-ep-chl-hem														
	ND to 80°-90° wk	190			80°	1"x1	ep-gtz-chl-hem	<.5		very little cpy mineralization seen in this fault zone.	187	90	30	54271	.10	<.01		.93	.001		.01
					70°	1/4"to1/8"x2	gtz-ep-chl-hem stwk														
					40°to70°	1/4"x3	ep-chl-gtz stwk														
					40°	3"x1	gtz-carb-chl-ep-(hem)														
	ND to 30°-80° wk-mod	200			50°	2"x1	gtz-chl-ep-hem	<.5			197	88	43	54272	.01	<.01		.68	.002		.01
					80°	shear	chl-carb-hem														
					60°	1/8"x1	ep-gtz-chl-(hem)														
abundant ep alteration in this interval					40°	1/16"x1	gtz-chl-py														
	ND to 90°wk	210			80°	1/16"x2	ep-gtz-chl	<.5			207	97	13	54273	.01	<.01		.70	.001		.01
					80°	1/16"to1/4"x3	ep-gtz-chl-(hem) stwk														
					90°	1/4"x1	gtz-chl-ep-(py) stwk														
					90°	1/2"x1	ep-gtz-chl-hem stwk														
	ND to 90°wk	220			?			<.5			217	55	27	54274	.04	<.01		1.07	.001		.01
					?																
					40° 70°to 90°	1/16"x6 shears x3	gtz-chl-py-(hem) chl-py														
	ND to 70°-90° wk	230			90°	1/8"x1	gtz-chl-(py)	<.5		fair bit of Mo smeared out along chl shears and dispersed throughout the chl darkened tonalite sections of this loff interval.	227	100	60	54275	.09	<.01		1.17	.072		.02
					70°to 90°	1/8"x3	gtz-chl-py														
					60°	2"x2	gtz-chl-ep-py-(cp)														
					70°	1/16"x1	ep-gtz-chl														

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GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 90° mod-str		240	40° to 50° 70° 70° 50°	1/16" x 2 1/4" to 1/2" x 3 1/16" x 2 1/4" x 1	pied-ep-gtz-chl ep-pied-gtz-chl-carb gtz-cp-chl gtz-chl-py	<.5	- quite a sharp increase in the amount of diss cp+py present	237	100	70	54276	.11	<.01		1.71	.002		.16
	ND to 40-90° wk		250	40° 40° 30° to 40° 40°	1/16" x 3 3/4" x 1 1/8" to 1 1/2" x 2 1/16" x 1	gtz-chl-py ep-gtz-chl-(py)-(hem) gtz-chl-ep-py gtz-chl-py	<.5	- the sheers + joints are filled with lots of carb	247	99	67	54277	.04	<.01		1.78	.002		.02
- the 1" to 6" bands of chl darkened Tonalite supply this interval with plenty of diss cp	50°-90° wk-mod		260	40° 40° 70° 40°	6" x 1 5" x 1 1" to 3" x 2 1/8" to 2" x 3	gtz-chl-py-cp ep-gtz-cp-chl gtz-chl-py-cp gtz-chl-cp-py	<.5		257	100	60	54278	.41	<.01		2.56	.004		.33
	60°-90° wk		270	70° to 90° 40° to 90° 70° to 80° 80°	1/16" x 5 1/16" to 1 1/8" x 5 1/4" to 2" x 4 3" x 1	gtz-chl-py gtz-chl-py-cp gtz-chl-py-cp gtz-chl-py-cp	<.5	- lots of diss cp+py mixed together in this interval.	267	100	70	54279	.21	<.01		2.19	.005		.21
	ND to 50°-90° wk-mod		280	40° to 50° 10° 90° 40°	1/16" to 1/8" x 3 1 1/2" x 1 1/16" to 1/4" x 2 1/16" to 1/8" x 3	gtz-chl-carb-py ep-gtz-(chl) stwk gtz-py-chl gtz-chl-cp-py	<.5		277	97	47	54280	.06	<.01		1.54	.003		.05
- from 280' to 281' is a 1' interval of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase, within this brief unit is most of the interval's cp. ↓	ND to 50°-90° wk-str		290	80° 50° 20° 60° to 70°	1/8" to 1" x 1 1/4" x 6 1/8" x 2 1/8" x 4	cp-py-gtz-ser-(chl) gtz-chl-py-cp gtz-chl-py gtz-chl-py	<.5	- a few cp veins are running down the core axis for a short period, which may prop the Cu grade higher than it actually is	287	98	53	54281	.32	<.01		2.53	.004		.24

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu sol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-from 292.5' to 293.5' is an interval of the Dark Chlorite Alteration Phase	ND to 80°-90° wk		300		50° to 70° 0° to 70° 70° 60°	1/4" to 1 1/4" x3 1/8" x2 1/16" to 1/2" x3 1/8" to 1/4" x8	gtz-chl-py-cp gtz-py-chl-cp cp-gtz gtz-chl-(cp)-(py)	0.7			297	100	70	54282	.20	<.01		1.90	.007		.15
	50°-90° wk-mod		310		70° 70° to 80° 40° 50° to 70°	3" x1 1/8" x3 0 1/8" x1 1/4" to 1/2" x2	gtz-chl-py-cp gtz-chl-py gtz-Mo-chl-cp-(py) gtz-chl-py-cp	<.5		• minor hem staining in shears + joints - a few sericite + chl shears, in this interval	307	99	60	54283	.12	<.01		1.58	.068		.10
	ND to 70°-90° wk		320		30° to 40° 40° 20° 20° to 90°	1/16" x4 1" x1 1/16" x6 1/4" x2	gtz-chl-py gtz-py-Mo-cp-chl gtz-chl-py gtz-chl-py-cp	1.0			317	99	73	54284	.11	<.01		1.72	.006		.05
	ND to 90° wk		330		40° 70° 20° 40°	1/16" to 1/4" x2 1/4" x1 1 1/8" x1 1/16" to 1/4" x6	gtz-chl-py gtz-chl-Mo-py gtz-chl-(cp)-(Mo) gtz-chl-py-cp	0.9		• mostly py blebs seen, in this interval. - some Mo+chl shears, in this interval	327	99	67	54285	.23	<.01		2.17	.007		.15
- at 336' is a 4" band of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase. There is a distinct 3" Transition zone separating the Quartz Sericite from the tonalite. The Transition zone has characteristics of both units and has a sharp	ND		340		40° 40° 40° to 50° 40° to 60°	1/16" x8 1/4" to 1/2" x2 1/8" to 1/4" x8 1/4" to 1" x2	gtz-py-chl gtz-chl-cp-(carb) gtz-chl-py-cp gtz-chl-py-cp-Mo	<.5		- abundant clays seen in joints.	337	100	70	54286	.16	<.01		1.97	.010		.17
contact with the Tonalite	ND		350		30° 20° 10° 30° to 40°	1/16" x3 1/8" x1 1" x1 1/8" to 1/4" x4	gtz-chl-py cp-gtz-pied-chl gtz-chl-Mo-cp gtz-chl-py-cp	0.7		- most of the py+cp blebs are found in veinlets	347	99	53	54287	.12	.01		2.04	.008		.04

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		360		30°	1/16" x 3	gtz-chl-py	<.5	- some Mo smeared out in chl shears.	357	100	80	54288	.06	<.01		2.08	.002		.02
					30°	1/16" to 1/8" x 8	gtz-chl-py													
					20°	1/4" x 1	gtz-carb-chl													
					30°	1/16" x 1	gtz-chl-py													
- from 361' to 364' the chl darkened tonalite has been intensely deformed and altered by ep.	ND		370		40° to 70°	1/16" x 3	gtz-chl-py	1.0	- most of the diss cp+py resides in the chl darkened tonalite.	367	100	77	54289	.17	<.01		1.81	.006		.16
					60°	1" x 1	ep-gtz-pied-chl-cp													
					80°	6" x 1	ep-gtz-chl													
					30° to 40°	1/16" to 1/8" x 3	gtz-chl-py-(cp)													
	ND		380		30° to 40°	shears x 2	chl-clay-carb	<.5	- noticeable reduction in the number of veins.	377	100	73	54290	.03	<.01		1.15	.002		.03
					40° to 90°	1" to 4" x 1	ep-gtz-chl-(py)-(cp)													
					80°	1/2" x 1	gtz-chl-py-(Mo)-(ep)													
					40°	1/16" x 3	gtz-chl-py													
- numerous chl darkened tonalite bands throughout the interval, as well a section from 380' to 383'.	ND to 70° mod		390		60°	2" x 1	ep-gtz-pied-chl	<.5	- from 389.5' to 390.5' is 1' of high grade tonalite and supplies most of the Cu grade for this interval and the next one.	387	99	77	54291	.20	.01		1.79	.005		.18
					20° to 30°	shears x 3	clay-carb-chl													
					40° to 50°	1/16" to 1/4" x 3	gtz-chl-py-cp-Mo													
					50°	1/16" x 2	gtz-py-cp-chl													
	ND to 70-80° wk-mod		400		70°	1/2" to 3/4" x 1	cp-gtz-py-chl	<.5	- fair bit of Mo seen in a few gtz veins. - the calcareous-clay persists throughout this interval.	397	100	83	54292	.25	.01		1.38	.006		.27
					40°	1/8" to 1/2" x 6	gtz-Mo-chl-cp-py													
					40°	3" x 1	gtz-chl-py-cp													
					50° to 80°	1/2" to 1" x 3	gtz-chl-ep-(py)													
	ND		410		40° to 80°	1/2" to 3" x 6	gtz-chl-py-cp	0.7	- cp+py well mixed in this interval.	407	100	73	54293	.13	<.01		1.53	.003		.20
					20°	1/8" x 1	ep-gtz-chl stwk													
					70°	6" x 1	cp-gtz-chl													
					30°	1/16" x 1	gtz-chl-carb-(hem)													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type & Alter.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on Ox/Rx	% SolFe	% MoS2	oz/ton Ag	Estimated Ox Grade
	UD		420		30°	1/16"x1	gtz-carb-chl-hem	0.7	- possible fault zone from 412' to 414', with no sign of any gouge but hem stained fragments of tonalite are visible.	417	96	53	54294	.26	.01		1.74	.002		.14
					60°	1/16"x2	gtz-cp-py-chl													
					40°	3"x1	gtz-chl-py-cp													
					10°to20°	1/8"x1	gtz-py-chl													
	ND		430		10°	1/8"x1	gtz(vuggy)-py-chl-cp	1.0	- next to nil cp seen in this interval.	427	99	80	54295	.04	<.01		1.37	.004		.01
					stwk	1/16"x5?	gtz-chl-py													
					40°	1/4"x1	gtz-ep-py													
- the chl darkened Tonalite bands and sections, within this 10 ft interval, supply a large quantity of cp. In fact, solid blebs/veins of cp get as large as 1" but for this interval most of cp is diss. Closely associated with the chl	ND		440		80°	2"x1	gtz-carb-cp-chl	1.0	- the cp appears rather pure, in this interval, with little py mixed in.	437	100	73	54296	1.37	.01		3.24	.003		1.36
					50°	6"x1	gtz-cp-ser-chl-(py)													
					40°	20"x1	gtz-chl-ser-cp-py													
					40°to50°	1/4"x2	gtz-chl-cp-py													
darkened Tonalite is sericite generally, in which the sericite content fluctuates throughout this high grade zone	ND to 90° wk		450		80°	18"x1	gtz-chl-ser-py-cp-(Mo)	1.5	- the cp is more dispersed throughout this interval rather than in the previous interval where the cp can be seen in concentrated "pockets".	447	100	83	54297	.49	.01		3.08	.014		.64
					80°	4"x1	gtz-chl-ser-cp-py													
					30°	1/8"x1	gtz-carb-chl-py													
					80°	13/4"to7"x3	gtz-chl-ser-cp-py													
	ND		460		70°	2"to10"x2	gtz-chl-ser-cp-py	2.5	- abundant diss cp+py throughout this entire interval. - at 450.5' is a 1/2" solid cp vein	457	100	80	54298	.99	.01		3.41	.002		.96
					70°	10"x1	gtz-chl-ser-cp-py													
					40°	5"x1	gtz-ser-chl-py-cp													
					40°to70°	3"to4"x3	gtz-ser-chl-cp-py													
	ND to 70°-90° wk		470		70°	5"x1	gtz-chl-ser-cp-py	1.5	- shears remain well chloritized. - roughly half the cp comes from one 1 3/4" cp+gtz vein, which is nearly pure cp, at 468.5'.	467	100	83	54299	1.12	.01		3.71	.002		1.20
					40°to60°	1"to5"x4	gtz-chl-ser-cp-py													
					40°	1"to2"x8	gtz-ser-chl-py-cp													
					50°	17"x1	gtz-ser-chl-cp-py-(carb)													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) **DIAMOND DRILL LOG** Hole No. 94-53 Page 8 of 9

ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type & Alta.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-the cp occurs a large blebs or clusters in the Chl darkened Tonalite but in the Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration phase the cp+py is finely dispersed and diss.	ND to 80-90° str		480		60°	3"x1	gtz-chl-ser-cp-(py)	8.0	- the contacts between the Quartz sericite bands and the chl darkened tonalite are not very sharp like they were in the previous 40ft.	477	100	77	54300	.68	.01		4.34	.004		.40
					40°	6"x1	gtz-chl-ser-cp-(py)													
					50°	11"x1	gtz-carb-chl-(cp)													
					70°+to80°	⅛"to2"	py-gtz-ser-(cp)													
	ND to 70-90° mod-str		490		40°+70°	1/16"to¼"x3	gtz-py-chl	1.0		487	100	80	54301	.47	<.01		2.51	.004		.25
					40°	2"x1	gtz-ser-py-chl-cp													
					40°to50°	1"to3"x4	gtz-ser-chl-py-(cp)													
					40°	5"x1	gtz-ser-cp-chl-py													
	ND to 70°-90° wk		500		70°to90°	1/16"to⅛"x4	gtz-chl-cp-py	0.7	- drastic drop in amount of cp and quartz sericite bands, in this interval.	497	100	77	54302	.12	<.01		1.90	.003		.05
					50°	3½"x1	gtz-chl-ser-py-cp													
					50°	1/16"to¼"x2	gtz-py-chl													
					40°	½"x1	gtz-ser-chl-py													
	ND to 70°-90° wk-mod		510		60°	⅛"to¼"x4	gtz-chl-py	<.5		507	100	73	54303	.07	<.01		1.42	.005		.03
					70°	1"x1	gtz-chl-py-(cp)													
					70°	1/16"x3	gtz-py-chl													
					70°	1/16"to½"x2	gtz-py-chl-cp													
-the 2' of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase, from 512' to 514', supplies most of the py+cp for the entire 10ft interval.	ND to 70-80° wk		520		10°	1/16"x1	gtz-py-carb-chl	3.0		517	100	67	54304	.41	.01		5.12	.004		.12
					50°	15"x1	gtz chl-ser-py-cp-carb													
					50°	⅛"x1	gtz-py-cp-ser													
					50°	⅛"x1	ep(vuggy)													
	70° mod-str		530		60°	14"x1	gtz-chl-ser-py-(cp)	1.5		527	100	63	54305	.13	<.01		2.70	.005		.13
					30°	1"to2"x2	gtz-chl													
					60°	1¼"to1½"x2	gtz-chl-py-ser-cp													
					40°	8"x1	gtz-chl-ser-py-cp.													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-53 Page 9 of 9

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlol on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
↓	NJ to 70° mod-str				40°	1"x1	gtz-chl-ser-py-cp																	
					60°+70°	½"+2"x3	gtz-chl-ser-py-cp	<.5																
					40°	5"x1	gtz-(chl)							537	100	73	54306	.09	<.01		1.77	.003		.09
							537' ★ E.O.H.																	
							Duck Poor																	

June 1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-54 Page No. 1 of 10

LOCATION GIBRALTAR WEST | BEARING | LATITUDE (N) 48,216.19 | CORE SIZE NQ | LOGGED BY Dick Poon
DATE COLLARED | LENGTH 607 feet | LONGITUDE (E) 42,961.60 | SCALE OF LOG 1"=10' | DATE August 17, 1994
DATE COMPLETED | DIP -90° | ELEVATION 2996.15 ft | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- MINE PHASE TONALITE
- CHLORITE DARKENED MINE PHASE TONALITE
- QUARTZ SERICITE CHLORITE PYRITE CHALCOPYRITE ALTERATION PHASE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

- badly broken rock
- fault gouge
- ↑ increase
- ↓ decrease
- ( ) minor amount
- (( )) very minor amount

alm = alteration, az = azurite, bo = bornite, brx = broken rock, bx = breccia, carb = carbonate, cc = chalcocite, chl = chlorite, cp = chalcopyrite, diss = disseminated, ep = epidote, gg = gouge, gr = garnet, gyp = gypsum, hem = hematite, lim = limonite, mag = magnetite, mal = malachite, MnO2 = pyrolusite, Mo = molybdenite, mod = moderate, ND = non directional, pied = piedmontite, py = pyrite, qtz = quartz, rx = rock, sauc = saucerite, scr = sericite, sph = sphalerite, str = strong, StWk = stockwork, tet = tetrahedrite, wk = weak

BOTTOM DEPTHS: Leach Cap | Leachable Ox. 71 feet | Lim. Zone 96 feet | Supergene —

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Fx type & Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlcol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
							CASING TO 62'											
MINE PHASE TONALITE: 62' to 607' The Tonalite in this hole is similar to Tonalites seen in other holes at Gib West. Again the Tonalite's	ND to 90°wk	70	30°	shear	hem-(chl)	<.5	- shears are heavily stained by hem and there is only an occasional appearance of lim+MnO_2.	67	100	60	54311	.01	<.01	<.01	.98	.002		.01
			40°	1/16"x1	ep-qtz-chl-(lim)													
			80°	1"x1	ep-qtz-chl-((py))-((lim))													
mineralogy consists of plag+qtz+ chl. Out of the three minerals the plag is generally the dominant one, that has undergone some degree saussurite alteration to appear as a yellow-green. As for the chl, it appears as small green blebs that	UD to 70°-80° wk	80	50°	1/16"x0.5"	ep-qtz chl stwk	<.5	- from 73' to 75' the grain sizes within the Tonalite are significantly smaller than grains in other parts of the interval	77	100	50	54312	.01	<.01	<.01	.89	.003		.01
			50°	3/8"x1	ep-qtz-chl-((hem)) stwk													
			40°	1/16"x2	ep-qtz-chl													
			0°	1/16"x1	hem-chl													
depending on the amount of deformation are often oriented. The chl also fluctuates in content throughout the hole.	70°-90° wk-str	90	40°	2"x1	qtz-chl-cp	<.5		87	100	60	54313	.03	<.01	<.01	.76	.002		.04
			60°	1/4"x1	qtz-chl-ep													
			40°	shear	chl-(cp)													
			80°	1/4"x1	qtz-pied-ep-carb-chl													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typ & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cleaved as Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70°-90° wk-mod		100		40° 70° 50° 20°-30° 70°	1/16" x2 1/8" x1 4" x1 shears x2 4 1/2" x1	ep-gtz-chl gtz-chl-py-(cp) chl-gtz-carb-cp-(py) chl-lim ep-gtz-chl	<.5	- most of the cp resides in a chl+gtz vein, at 95'.	97	99	67	54314	.07	<.01	<.01	1.07	.005		.04
	60°-90° mod-str		110		70° 70° 40° 70°	1/16"to1/4" x 3 shear 1/8" x1 1/4"to1/2" x3	gtz-chl-ep chl-py gtz-carb-chl ep-gtz-chl	<.5	- there are signs of deformation and mild folding, in this interval, leaving a few relict gtz veins.	107	100	73	54315.	.02	<.01	<.01	.93	.002		.01
- from 115' to 182' the tonalite has been extensively altered by ep. As a result the tonalite is relatively devoid of cp or py mineralization and is covered by numerous ep bands/stringers. There is both ep and chl alteration to	ND		120		70° 40° 70° 90°	1/4" x1 1/16" x1 1/16"to1/2" x6 1/8" x1	ep-chl-py gtz-chl-py-cp ep-gtz-chl-pied-py gtz-py-chl	<.5	- the tonalite, in this interval, has a veggy appearance.	117	99	40	54316	.06	<.01	<.01	1.54	.002		.02
the tonalite but the ep alteration is the most prevalent of the two. Most the cp is in the few gtz veins that can be found.	ND		130		70° 50°to65° 40° 70°to80°	1/16"to1/4" x3 1/4" x3 1/2"to1" x1 1/16" x2	ep-gtz-chl ep-gtz-pied-chl stwk gtz-ep-chl-py-(cp) ep-gtz-chl	<.5		127	98	77	54317	.03	<.01		1.30	.003		.02
	ND		140		40° 40°to70° 80° 70°to80°	1/4" x1 1/8"to1/4" x2 1/8" x1 1/4" x3	gtz-chl-(cp)) gtz-chl-(cp) ep-gtz-chl stwk ep-gtz-chl	<.5	- there are a few examples of offset ep veins, which may imply some deformation or microfaulting.	137	99	60	54318	.02	<.01		1.62	.008		.02
↓	ND		150		90° 90° 40° mottled	1/16"to1/8" x2 1/2" x2 1" x1 1/16"to1/2" x40%	ep-gtz: chl stwk ep-gtz-chl-py gtz-chl-ep-cp-py ep-gtz-chl stwk	<.5	- it is evident that there is a dual generation of veining, in this interval, as gtz+py veins cut across the earlier ep veins.	147	100	77	54319	.06	<.01		1.63	.001		.06

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		160		80°to90° 90° 90° 70°	1/8"to1/2"x5 1/16"x3 1/16"x3 1/16"x1	ep-gtz-chl stwk gtz-chl-py-cp ep-gtz-chl gtz-cp-py-chl	<.5	- dispersed diss cp+py throughout this interval makes Cu grade estimation somewhat difficult	157	100	83	54320	.20	<.01		2.41	.002		.09
	ND		170		90° 50° 90° 50°to70°	1/4"to1/8"x2 1/16"x1 6"x1 1/16"x2	ep-gtz-chl gtz-chl-py ep-gtz-chl gtz-chl-cp-py	<.5		167	100	83	54321	.07	<.01		1.04	.001		.08
	ND		180		10°to90° 30° 70° 50°to60°	1/16"to1 1/2"x4 6"x1 1/8"x1 2"to8"x2	ep-gtz-chl stwk gtz-chl-cp gtz-chl-py-cp gtz-chl-((cp))	<.5		177	99	73	54322	.05	.01		1.23	.001		.04
- from 188' to 190' the chl content has increased and is approaching the Dark Chlorite Alteration Phase.	ND		190		70° 90° 90°	1/8"x1 1 1/2"x1 3/4"x1	ep-gtz-chl gtz-chl-carb gtz-chl	<.5	- from 180.5' to 187' is a fault zone, with some gougy intervals but no sign of any hem. However there is the reappearance of lim in the fault zone.	187	90	13	54323	.08	<.01		1.85	.001		.09
	ND		200		80° 10° 20°	shearsx4 1"x1 3"x1	chl-(py) gtz-chl ep-gtz-chl	<.5		197	99	60	54324	.07	<.01		1.78	.001		.01
	ND to 70°-90° wk		210		40° 40° 40° 70°	2"x1 1/8"x2 1/16"x8 3"x1	gtz-chl. gtz-chl-py gtz-chl-py-cp gtz-chl-py-cp	<.5	- from 206' to 208' most of the cp can be seen spread out along chl shears. Also, some bo altering to cp within this interval possibly.	207	100	73	54325	.24	<.01		2.06	.001		.18

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70°-90° wk-mod	220	40°-50° 50° 60° 70°	1/16" x 2 3/4" x 1 1/16" x 3 1/4" x 1	gtz-chl-py-ep ep-gtz-chl-cp gtz-chl-cp-py ep-pied-gtz-chl	<.5		217	99	70	54326	.06	.01		1.50	.001		.03
- there are bands and intervals (228' to 231') where the Tonalite's crystal size is significantly smaller than normally seen in a Tonalite. This grain size may be attributed to some localized crystalization feature or possibly some deformation event.	ND	230	70° 10° 30° 80°	3/4" to 1" x 2 1/16" x 1 1/16" x 9 1/4" x 1	ep-gtz-chl-py gtz-chl-py gtz-chl-py gtz-chl-py-ep-((cp))	<.5	- some microscopic specks of cp can be seen intermixed with the py.	227	100	73	54327	.01	<.01		1.31	.001		.02
	ND to 70° wk	240	30°to 30° 40° 30°to 40° 50°	1/16" to 1/8" x 2 1 1/2" x 1 1/16" to 1/8" x 2 8" x 1	gtz-chl-py ep-gtz-pied-chl-(py) gtz-chl-py ep-pied-gtz-chl	<.5		237	95	67	54328	.01	<.01		1.15	.002		.01
	ND	250	30°to 40° 40° 40° 20°	1/16" x 2 1/4" x 1 3" x 1 1/4" x 1	ep-gtz-chl-((py)) ep-gtz-pied-chl pied-ep-gtz-chl gtz-py-chl-ep	<.5	- very little py or cp visible in this interval - most of the py seen is smeared out along well developed chl shears	247	100	80	54329	.02	<.01		1.57	.001		.01
	ND	260	30° 40° 40° 80°	1/4" x 1 2 1/2" x 1 1 1/2" x 1 1" x 1	gtz-chl-carb-py ep-gtz-pied-chl gtz-chl-pied-ep-cp ep-gtz-chl-py-cp	<.5		257	100	60	54330	.09	<.01		2.16	.002		.06
- first appearance of the Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase, in this hole. The Quartz Sericite unit appears as small 1" to 9" bands that alternate with the Tonalite. Within the Quartz Sericite unit is most of the cp+py, for the 10ft interval	ND	270	50° 90° 60°to 90° 40°to 90°	1 1/2" x 1 6" x 1 1/2" to 5" x 3 1" to 9" x 3	pied-ep-gtz-chl gtz-chl-ser-Mo?-py-cp gtz-chl-ser-py-cp gtz-ser-chl-py-cp	1.5	- at 262.5' is some molybdenite? possibly.	267	97	70	54331	.19	.01		3.18	.032		.30

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu as Ox/Res	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		280	70°	3" x 2	gtz-chl-ser-py-cp														
				80°to90°	$\frac{1}{8}$" to $\frac{3}{4}$" x 2	gtz-chl-cp-py	0.7		277	100	73	54332	.12	<.01		2.26	.001		.11
				60°to70°	2" to 6" x 2	gtz-chl-ser-ep-pied-py														
				40°	6" x 1	ep-gtz-chl-py														
	ND		290	70°	6" x 1	gtz-ser-chl-py-cp		- some signs of minor deformation, in this interval.												
				0°to10°	$\frac{1}{8}$" x 2	gtz-py-chl	1.0		287	100	83	54333	.04	<.01		2.41	.001		.05
				70°	2" x 1	gtz-chl-ep-py														
				folded	$\frac{3}{8}$" to 1" x 1	ep-pied-gtz-py														
	ND to 90° wk		300	50°	$\frac{1}{2}$" x 1	gtz-ep-chl-(py)	<.5	- poorly developed shears + joints. - this barren interval is a prototypical Mine phase Tonalite.	297	100	80	54334	.02	<.01		1.16	.001		.01
				5°	$\frac{1}{16}$" x 1	gtz-chl-py														
				20°	$\frac{1}{4}$" x 1	gtz-chl-ep														
	ND to 80-90° wk-mod		310	50°	$\frac{1}{16}$" x 1	gtz-chl	<.5	- very little veining seen	307	100	73	54335	.04	<.01		1.72	.001		.01
				20°	$\frac{1}{16}$" x 1	gtz-chl-py														
	ND to 40° wk		320	30°	$\frac{1}{16}$" x 2	gtz-chl-py	<.5	- some hem stained joints + shears, in this interval.	317	100	73	54336	.03	<.01		1.17	.001		.03
				70°	shears x 2	chl-hem-py														
				40°	$\frac{1}{4}$" x 1	gtz-chl-py-cp														
	ND to 40-70° wk		330	30°	$\frac{1}{2}$" x 1	gtz-chl-ep-py	<.5		327	100	43	54337	.02	<.01		1.51	.001		.02
				90°	$\frac{1}{16}$" x 1	gtz-chl-cp														
				40°	8" x 1	ep-gtz-carb-pied-chl														
				40°to60°	1" to 3" x 2	gtz (vuggy)-carb-chl														

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typs & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cl sol on Ox/Res	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 90°wk		340	70° 70° 30° 60°	¾"x1 ⅛"x2 shear 1"x1	gtz-chl-py-cp gtz-chl-py chl-clay-py ep-gtz-chl	<.5		- there is a series of small fault zones from 334' to 415'. - a fault zone from 334 to 337'	337	96	37	54338	.03	<.01		1.99	.002		.01
	ND		350	40° 30° 40°	1/16"x2 ⅛"x2 1"x1	gtz-chl gtz-chl-py gtz-carb-chl-py	<.5			347	99	50	54339	.02	<.01		1.23	.001		.01
- there is a noticeable transition from weak to moderate saussurite alteration, in the mine Phase Tonalite, right to the Chl darkened tonalite.	ND		360	40° 70°	½"x1 ½"x1	chl chl-gtz-carb	<.5			357	98	37	54340	.02	<.01		2.57	.007		.01
	ND		370	90° 70°&80° 30°	2.5'x1 ⅛"x2 ½"x1	ep-gtz-pied-carb-hem gtz-chl-py gtz-chl-carb-py	<.5		- the large 2.5' ep+gtz shows the cross cutting relationship, between the ep veins and gtz veins, very well. As it is the gtz vein which came in later to run through the ep vein.	367	95	50	54341	.02	<.01		1.65	.010		.01
- within the fault zone the chl darkened Tonalite has been extensively altered and there is an increased chl content, which is approaching the Dark Chlorite Alteration phase.	ND		380	45° ? ?	¼"to1"x2	gtz-chl-ep-cp-py	<.5		- fault zone from 369.5' to 380.5', with some hem stained gauge. - at 371' is a fairly large bleb (½"x1") of cp, on one of the few whole sections of core, in the interval.	377	87	3	54342	.07	<.01		2.56	.010		.13
↓	ND to 50°str		390	40°-50° 40° 10° 40°	1/16"x2 ⅛"x1 ⅜"x1 ¼"x1	gtz-py-chl gtz-chl-py-cp gtz-chl-py gtz-chl-py	<.5			387	93	43	54343	.05	<.01		2.51	.006		.03

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Ex ops & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chisel on Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 50°-70° mod		400		40°	¼"x1	gtz-chl-ep						- heavy hem staining of the shear + joints continues throughout this interval.	397	100	47	54344	.06	<.01		1.80	.002		.04
					30°	⅛" to ½"x2	gtz-chl-py																	
					30°	¼"x1	gtz-chl-py	.06																
					5°	shear	hem-(chl)																	
					50°	1½"x1	gtz-chl-ser-py-cp																	
- at 409' is a 2" section of heavily hem stained fault gouge.	ND to 50°-80° wk-mod		410		60°	¼"x1	gtz-chl-cp						- nearly all the cp resides within the chl darkened Tonalite interval. There are ½" bands of nearly solid cp; otherwise most of the cp is seen diss.	407	100	43	54345	.45	.01		3.05	.003		.80	G.G. 047 + Sluth
					90°	⅛"x1	gtz-cp-py-Mo																	
					40°	4"x1	gtz-carb-chl-cp	<.5																
					40°	¾"x1	ep-gtz-(																	
	40°-80° wk-mod		420		40°	¼"x1	gtz-chl-cp-hem						- fault zone from 413' to 415', with some cp chunks mixed in with the debris.	417	95	47	54346	.06	<.01		1.63	.001		.04
					80°	⅛"x1	gtz-chl-py																	
					30°	¼"x1	gtz-chl-py	<.5																
					40° to 70°	⅛"x2	gtz-py-chl																	
- there are a few small bands (1" to 4") of Quartz sericite chlorite Epidote Chalcopyrite Alteration Phase, that contain most of the interval's cp.	ND to 60°-90° mod		430		20°	½"x1	gtz-chl-py							427	100	83	54347	.06	<.01		1.76	.001		.03
					40°	1⅛"x1	gtz-ep-chl																	
					50°	4"x1	gtz-ser-chl-ep-cp-(py)	<.5																
					20°	¼"x1	gtz-chl-py-(cp)																	
	ND to 50°-90° wk		440		80°	½"x1	gtz-carb-chl						- the cp+py are well mixed, in this interval.	437	100	80	54348	.02	<.01		1.41	.001		.02
					85°	1/16"x3	gtz-chl-py																	
					90°	1/16"x1	gtz-carb-chl-py	0.7																
					30°	shear	hem-chl-carb-(py)																	
	ND		450		40° to 50°	1/16"x2	gtz-chl-py						- the gtz content is noticeably lower in this interval's Tonalite.	447	99	57	54349	.08	<.01		1.91	.001		.08
					40°	⅛"x1	ep-gtz-chl																	
					40°	1/16"x1	gtz-chl-py	<.5																
					70° to 80°	1/16" to ¼"x3	gtz-chl-py-(cp)																	

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		460		80° to 90° 80° 30° 40°	1/16" x 2 1/8" x 1 1/16" x 1 1/4" x 2	gtz-cp-py-chl gtz-chl-py gtz-chl-py ep-gtz-chl	<.5			457	100	53	54350	.04	.02		1.27	.001		.03
	ND		470		70° 50° 50° 70°	1/4" x 1 1/16" x 1 1/2" to 1 1/4" x 1 1/8" x 1	gtz-py-cp gtz-chl-ep-cp gtz-chl-py-ep-cp gtz-chl-py	0.7			467	100	50	54351	.11	<.01		2.18	.001		.10
-from 474' to 483' the chl darkened Tonalite has been severely deformed and altered. Also the amount of foliation and chl has increased, in this deformed zone. There also is some minor carb alteration visible.	ND to 70° str		480		70° 85°	shears x 7 1/4" x 2	chl-carb carb-gtz-chl	<.5		-the high level of deformation, in this interval, has destroyed most of the structures like veins. -there are some mottled blebs of cp that can be seen from 477'-480'	477	98	30	54352	.26	<.01		2.34	.002		.23
-numerous bands and intervals of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase, that alternate with the Tonalite, from 480' to 530'.	ND to 70°-80° mod-str		490		60° 70° 70° 60°	1/4" x 1 1/4" x 1 4 1/2" x 1 1/2" to 1" x 4	gtz-carb-cp-py-chl gtz-chl-py-(cp) gtz-chl-ser-py-(cp) gtz-ser-chl-ep-py	<.5			487	97	67	54353	.16	<.01		1.82	.002		.07
	ND to 50° mod		500		85° 50° 40° 30°	1 1/4" to 7" x 2 4" x 1 1/16" x 1 1/16" x 1	gtz-ser-py-chl-cp gtz-chl-ser-cp-py gtz-py-chl hem-carb	1.0			497	100	87	54354	.16	<.01		2.18	.001		.13
	ND to 40° mod		510		40° 40° 0° 40°	1/16" x 1 1/16 to 1/8" x 3 1/16" x 2 Shear	gtz-chl-py gtz-chl-py hem-carb hem-chl	<.5			507	98	63	54355	.11	<.01		1.04	.002		.04

GG 0.12

Tone 1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-54 Page 9 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu as Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 50-70 wk		580		40°	1/4" x 1	gtz-chl-ep-py-cp	1.0	- practically all of this interval's cp is found in the Quartz sericite unit from 515.5' to 517'.	517	100	83	54356	.15	<.01		1.87	.001		.17
					30°	3/4" x 1	gtz-ep													
					40°	1.5' x 1	gtz-chl-ser-py-cp													
					40° to 50°	1/8" x 3	gtz-chl-py													
	ND		530		50°	1/4" x 1	gtz-py-cp-chl	<.5		527	100	87	54357	.08	<.01		1.00	.002		.08
					40°	2 1/8" x 1	gtz-chl-ser-cp-py													
					50°	1/8" to 3/4" x 2	gtz-chl-ep-py													
					85°	1/4" x 1	gtz-chl-cp													
	ND to 50° wk		540		40° to 60°	1/16" to 1/8" x 4	gtz-chl-py-cp	0.6		537	100	77	54358	.11	<.01		1.60	.002		.09
					50°	8 3/4" x 1	gtz-chl-ser-py-ep-cp													
					30°	1/8" x 1	gtz-chl-(py)													
	ND to 70° wk		550		70° to 90°	1/8" x 2	gtz-chl-py	<.5		547	100	83	54359	.06	<.01		1.48	.004		.05
					40°	1/4" x 1	pied-gtz-ep-carb													
					60°	4" x 1	gtz-chl-ser-py-cp													
					40° to 50°	1/16" x 2	gtz-chl-py													
	ND to 50 wk		560		50°	2 1/4" x 1	gtz-chl-ep-((py))	<.5		557	100	90	54360	.07	<.01		1.36	.009		.08
					40° to 70°	1/16" x 3	gtz-chl-py-(cp)													
					50°	1/8" to 1/2" x 3	gtz-chl-py-cp													
					40° to 50°	1/16" x 2	gtz-chl-py													
	ND		570		40°	1/8" x 1	gtz-chl-py	1.0	- sharp increase in the amount of cp seen in this interval versus the previous interval, with most of the cp blebs between 565' to 567'.	567	100	73	54361	.31	<.01		2.14	.004		.43
					40°	1/8" x 1	gtz-carb-chl-py													
					80°	3 1/2" to 5" x 2	gtz-chl-ser-cp-py													
					90°	2 1/2" x 1	gtz-ser-chl-py-cp													

G.S. 0.35

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-54 Page 10 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bz typ & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxFes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-gradational boundaries between the Chl darkened Tonalite and the Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase.	ND				cp°	2.5'x1	gtz-ser-chl-py-cp	2.0			577	100	67	54362	.37	.01		3.61	.004		0.62
			580		80°	1/4"to 3/4"x1	gtz-carb-(cp)														
					80°	1/4"x1	gtz-chl														
					90°	1'x1	gtz-chl-ser-cp-py														
	ND				90°	1/4"x2	gtz-chl-py	1.5			587	100	57	54363	.16	<.01		1.52	.008		.15
					80°	1/16"x4	gtz-chl-cp														
			590		90°	1/16"x2	gtz-chl-py-cp														
					90°	1/4"x1	gtz-py-cp-chl														
	ND				40°	1/16"x3	gtz-chl-py-cp	1.0			597	99	60	54364	.12	<.01		2.02	.004		.12
					40°	1/16"to 1/4"x4	gtz-chl-py														
					90°	1/16"x1	gtz-cp-carb-chl														
			600		40°	9"x1	gtz-chl-ser-py-cp														
-this entire interval is composed of the Quartz sericite Chlorite Pyrite Chalcopyrite Alteration Phase, with a couple 6" sections of chl darkened Tonalite that are visible	20°E/40° wk-mod				30°	1/8"x1	gtz-py-cp	4.0		-at 602' is a 3" wide band of py. -some cp may be finely mixed with the py in this interval	607	99	57	54365	.19	<.01		6.91	.004		.15?
							607' ☆ E.O.H.														
							Dick Poon														

G.G 0.5

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page No. 1 of 11

LOCATION Gibraltar West	BEARING –	LATITUDE (N) 48,547.66	CORE SIZE NQ	LOGGED BY G. Grubisa	
DATE COLLARED August 1, 1994	LENGTH 607'	LONGITUDE (E) 42,718.63	SCALE OF LOG 1" = 10'	DATE August 22, 1994	
DATE COMPLETED August 1, 1994	DIP -90°	ELEVATION 2956.75 Ft.	REMARKS		

ROCK TYPES and ALTERATION SYMBOLS

- QTZ-CARB-CHL ALTN PHASE
- QTZ-EP-CHL ALTN PHASE
- CHL DARKENED MINE PHASE TONALITE
- QTZ-SER-CHL-PY ALTN PHASE
- NORMAL MINE PHASE TONALITE
- QTZ-SER-PY ALTN PHASE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

- badly broken rock
- fault gouge
- ↑ increase
- ↓ decrease
- ( ) minor amount
- (( )) very minor amount

altn = alteration; az = azurite; bo = bornite; bcx = broken rock; bx = breccia; carb = carbonate; cc = chalcocite; chl = chlorite; cp = chalcopyrite; diss = disseminated; ep = epidote; gg = gouge; gr = garnet; gyp = gypsum; hem = hematite; lim = limonite; mag = magnetite; mal = malachite; MnO2 = pyrolusite; Mo = molybdenite; mod = moderate; ND = non directional; pied = piedmontite; py = pyrite; qtz = quartz; rx = rock; sauc = saucerite; ser = sericite; sph = sphalerite; str = strong; StWk = stockwork; tet = tetrahedrite; wk = weak; ank = ankerite.

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typ & Altn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
CASING TO 24'									–	50'	75'	–												
			24											24										
(24'-607') Normal and chl darkened mine phase tonalite w subsequent altn phases. Qtz-carb-chl altn	70-80 str		30		70-80	4'	qtz-carb-chl altn w lim-MnO_2	<.5					24'-38' → QTZ-CARB-CHL ALTN. - intense carb-lim altn. - ↑ MnO_2. - core is locally vuggy in some areas.	27	75	–	54401	.05	.03	<.01	1.53	.002		.01
is prominent @ the beginning of hole. Ore grade cp mineralization occurs from ~280-450' w some weaker zones inside of the larger zone. Most of the mineralization occurs as qtz-ser-chl-py shears, ranging from ¼" to 18" in width, hosted by both the	70-80 str		40		?	10"	brk rx → MnO_2-(mal)	<.5					- possibly more of an oxidation feature than an altn feature.	37	80	17	54402	.07	.06	<.01	1.78	.001		.03
						3'	brk rx → lim-MnO_2-ank						38'-62' → QTZ-CARB-CHL ALTN											
normal ± chl darkened mine phase tonalite. A possible new mineral to Gibraltar has been identified. Bournonite ($PbCuSbS_3$)	80 str		50		40	⅛"	mal-lim-MnO_2-ank	<.5					- intense carb (ankerite) altn - numerous qtz veins have invaded this zone as opposed to absence of qtz veins in upper carb zone - very strong foliation w an orange-brown core color	47	80	40	54403	.12	.07	.01	2.66	.003		.08
					40-80	10'	qtz-carb-chl altn w lim-MnO_2																	
					90	⅛"	qtz-ep																	

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-55 Page 2 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type & Alt'n	GRAPHIC LOG Footage	GRAPHIC LOG Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS Sample Number	% TCu	% OxCu	% Cu not on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
QTZ-CARB-CHL ALTN PHASE CONT'D									Leach Cap											
									Leachable Ox.											
									Lim. Zone											
									Supergene											
	70-90 str		60		70	2"<4	qtz-ank-(cp)	<.5	- some areas are folded	57	85	37	54404	.04	.02	.01	2.17	.002		.04
					70-90	10'	qtz-carb-chl altn Gillin													
	70-90 str - ND		70		70-90	2'	qtz-carb-chl altn	<.5	68'-85' → minor ep altn	67	100	50	54405	.05	.01	.01	1.98	.002		.03
					90	1"x2	gg → lim													
	ND		80		70	½<2	lim-clays.	<.5	but not to a point of qtz-ep-chl altn phase.	77	100	60	54406	.04	<.01	<.01	1.36	.002		.01
					ND ?	1" 8"	gg brkrx													
	60 wk		90		50	½"<3	chl-py-cp	<.5	↓	87	100	70	54407	.04	<.01	<.01	1.90	.001		.05
					70	½<2	chl-py													
					50	1½"	qtz-carb.													
	60wk - ND		100		30	½"	qtz	<.5		97	100+ 74"	70	54408	.08	<.01	<.01	1.88	.001		.01
					40	2"	qtz-chl													
	ND		110		50	½"x2	qtz-chl-py-ep	<.5		107	95	5 70	54409	.03	<.01		1.66	.001		.05
					70	10"	qtz													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 3 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt'n	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chrol on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70 wk		120		5 ? 30	½" 15" ½"	chl-carb brkrx/gg→ hem-carb vuggy qtz-carb	<.5						117	100+	43	54410	.02	<.01		1.80	<.001		.01
	60-70 wk - ND		130		20 70 30	½"x2 2" ½"	hem in fract. chl-qtz-(py)-(cp) qtz-carb-chl-py-cp.	<.5						127	100+	73	54411	.05	<.01		1.49	.001		.05
	ND		140		30 70	½"x4 1"	cp. chl-py	<.5						137	100	67	54412	.04	<.01		1.54	<.001		.03
	60-70 wk - ND		150		90	2"	chl-py-cp.	<.5					145.5-146.5' → possible fine grained intrusion of border phase diorite. ↑ plag, chl-↓qtz	147	100	73	54413	.05	<.01		1.48	.001		.04
151'-54' → DARK CHL ALTN PHASE Folded + mottled	30-60 str - ND		160		70 20-60 80 ? ?	1" 3' 1' 6"	qtz chl-qtz-py-cp-carb qtz-(chl)-cp brkrx	.5						157	100	30	54414	.33	<.01		2.47	.001		.30
			170		? 2 90 30	2' 8" ½" ½"x2	brkrx → (hem) brkrx/gg. chl-qtz cp.	<.5						167	80	40	54415	.03	<.01		1.67	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 4 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alter.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not as Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	60-80 wk-mod		180		60-70 80	⅛-⅜×15 15"	ep-pied chl-qtz-py	<.5					173'-77' → moderate ep-pied alt'n & oriented ep-pied veins. 177'-211' → lesser ep alt'n & absence of pied. ↓	177	100 35"	83	54416	.02	<.01		1.75	.002		.01
	ND		190		80 70 10 70	¼" ⅛-⅜×8 ½" ½"×2	qtz-carb-ep ep-(qtz) qtz-chl ep-chl-(py)	<.5					veining continues at its organized orientation.	187	100	80	54417	.02	<.01		1.40	.001		.01
	50-70 wk-mod		200		50 30	2" 2"	chl-qtz-py chl-py-qtz	<.5						197	100	73	54418	.03	<.01		1.66	.003		.03
	ND		210		? ? ?	3' 8' 1'	?? brkrx brk-rx	<.5						207	60	17	54419	.01	<.01		1.37	.002		.01
211'-20' → QTZ-EP-CHL ALTN PHASE Ep stkwk density has increased substantially classifying this unit as qtz-ep-chl altn phase. Pied occurs ↓ the ep ↑ the beginning of the interval. 218'-29' → FAULT.	?		220		? 40-30 ?	9' 2'	ep-pied stkwk gg/brx	<.5						217	100+	17	54420	.02	<.01		1.28	.008		.01
- characterized by gouge + poorly consolidated core. Hem staining occurring towards bottom part of fault. Slickensides evident on many fracture surfaces. ↓	ND		230		? ?	4' 6"	gg/brx gg	<.5					228'-43' → hem staining of core + frac	227	55	7	54421	.03	<.01		1.58	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 5 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlst on OxRcx	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	50-60 mod		240		?	3'	brk rx → hem.	<.5					hem staining of core + frac cont'd	237	100	37	54422	.04	<.01		1.25	.001		.01
	70 wk-mod		250		? 20	2' ½"	brk rx → hem qtz-chl	<.5						247	100	37	54423	.04	<.01		1.15	.001		.01
	70 mod		260		? 40	10" ½"x2	brk rx chl-py	<.5						257	100	50	54424	.02	.01		1.02	<.001		.01
	ND		270		? 90,60+30 70 20	2' ½"x3 ½"x2 ¼"x2	brk rx/gg qtz-chl-py chl-qtz-py-(ccp) qtz-chl-py.	.5						267	47" 80	2 37	54425	.12	<.01		2.14	.001		.05
	70 wk-mod		280		30 90 40	¼" ½" ⅜"	py-chl qtz-chl-py-cp ep-chl-py-cp	<.5						277	100+	70	54426	.08	<.01		1.38	.001		.09
	70 wk-mod		290		70 70	5" 5'	qtz-ser-chl-py-cp qtz-ser-chl-py-cp	<.5						287	100	80	54427	.15	<.01		1.69	.001		.18

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 6 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Fx type & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chiefly as Ox/Sec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	70 mod				60	2"	qtz-ser-chl-py-cp	.8	297'-99' → SMALL FAULT characterized by hem	297	100	67	54428	.53	.01		2.57	.002		.63 D.P. .64
					80	2"	qtz-ser-chl-cp-py													
					70	12"	qtz-ser-chl-cp-py													
					70	3"	qtz-ser-chl-py-cp													
					60	½"	qtz-chl-cp													
			300		?	2'	brk/gg → hem													
	50-60 mod-str				80	¼"x2	chl-qtz-py	<.5	stained brk fx + gg. Hem staining occurs in fractures until 315'. Brk fx common to this interval. Hem pitch slickensides visible	307	100	17	54429	.22	<.01		1.55	.002		.13
					?	3'	brk fx → @ hem-carb in frac.													
					30	1½"	qtz-chl-cp-(py)													
			310		?	2'	brk fx/gg → hem			310	100									
					70	4"	ep-qtz-hem													
	60-70 mod				60	2"	qtz-chl-py-cp	1.3		317	95	57	54430	.84	<.01		3.57	.002		.72 D.P. .70
					60	2"	qtz-ser-chl-py-cp													
					80	⅜"x3	qtz-chl-(py)													
			320		70	18"	qtz-ser-chl-cp-py													
	50-60 wk-mod				50	12"	qtz-ser-chl-cp-py	.5		327	100+	73	54431	.32	<.01		2.70	.004		.27 D.P. .28
					80	3"x2	qtz-ser-chl-py-cp													
					30	¼"x4	qtz-carb													
					?	15"	brk fx													
			330		70	2"	qtz-chl-py-cp-Mo				105"									
331'-344' → The lithology is still chl darkened mine phase but carb altn has invaded some areas resulting in the core having a lighter color. Plag content may also be higher as well. Foliation is strong @ 70-80°.	70-80 str				?	10"	brk fx	.6	slight carb altn; all of py comes from the 2 shears towards end of interval	337	100	7 53	54432	.04	<.01		2.66	.001		.03
					70	½"	chl-qtz-py-(cp)													
			340		80	5"	qtz-ser-chl-py													
	80 str - ND				80	3"	qtz-ser-chl-py-cp	<.5	346.5'-55' → mod-str hem staining of core @ hem in fractures as well.	347	100	53	54433	.17	<.01		2.38	.001		.14
					70,70,+90	2"x2, 1"	qtz-ser-chl-py-cp													
			350		?	1'	brk fx → hem													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 7 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	ASSAY RESULTS: % TCu	% OxCu	% Chiol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
					60	½"	qtz-carb																	
					5-20	½"-¾"x8	hem-clay-carb.						hem staining in fractures											
	ND				5	⅜"	chl-py-qtz-(carb)	.5							100									
					20-70	¼"-⅜"x7	qtz-chl-py-(cp)							357										
			360		60	2"x2	qtz-ser-py-cp																	
	ND				60	2½"	qtz-ser-chl-py-cp.	.5							100									
	-													367										
	40 mod												368'-98' →											
			370		10-20	3"	qtz-ser-chl-py-cp → tarnished cp																	
Double Crush.					60	2"x2	qtz-ser-chl-py-cp ω tarnished cp possibly bo						slight hem staining of core + in fractures.											
	40-70				40	1"	qtz-ser-chl-py-cp	.5					¼ ½"-¾" ½" ¼-½		100									
	wk				50	1"	chl							377										
					60	2'	qtz-cp-(chl)						367'-69' → qtz-cp vein											
			380		70	1'	qtz-chl-py-cp						ω abundant coarse cp.											
					70	6"	qtz-chl-py-cp																	
					?	2'	gg ω ↑ ser-py-cp-carb-hem																	
	40-70				40	8"	qtz-ser-chl-py-cp-(pied)	1.0							95									
	wk				5	⅛"	hem-carb							387										
			390																					
					60	¾"	qtz-cp-py-(cp)																	
					40-60	⅛"x6	chl-py																	
	ND				70	1"	qtz-py-(cp)	<.5							100									
														397										
					?	20"	brkrx → ↑ hem																	
			400																					
	50																							
	wk				60	7"	qtz-ser-chl-cp-py-(carb)	.5					massive cp in this shear		100									
														407										
			410																					

D.P. .68

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 8 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Cu/ol on Cu/Res	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	50 wk-mod		420		70 ?	3/8"x2 10"	qtz-chl-cp-tet brkrx/gg→hem	<.5	slight hem staining get silver assay	417	99% 100	L 30	54440	.10	<.01		1.60	.005		.14
421'-54' → This zone appears to be a distinct mineralized zone that is bounded on both sides by a qtz-chl-py stkwk. The "guts" of the zone (429'-43') consist of cp mineralized chl darkened Mine phase and the	ND		430		40-70 70	1/16"-1/8"x35 3"x3	chl-py-qtz-(cp) qtz-chl-py-cp	1.5		427	100	57	54441	.15	<.01		2.73	.002		.15
qtz-ser-chl-py alt'n phase. Cp mineralization occurs mainly as fine disseminations but also in small veinlets as well.	40-70 mod-str		440		40-70 60 70	2½' 3' 2"	qtz-chl-py-cp qtz-ser-chl-py-cp qtz-chl-py-cp	1.5		437	100	67	54442	.29	.01		3.37	.001		.80
	70 str-mod		450		50 70-80 70	1" 2' 1/8"-1/4"x10	qtz-chl-py-ser-(cp) qtz-ser-py qtz-py-chl	4.0	→ including a 10" zone of ↑py mineralization	447	100	73	54443	.07	<.01		6.42	.004		.13
	70-50 mod-wk		460		50 40	1/8"x5 1/8"x2	qtz-py-chl qtz-chl-py	<.5		457	100	90	54444	.04	<.01		1.44	.004		.03
	ND		470		40	1/16"-1/8"x4	qtz-chl-py	<.5		467	100	93	54445	.02	<.01		1.30	<.001		.04

.53 A.P. sluice

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 9 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typs & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	NC		430		70 20-70 30	¼"x2 ¼"x5 ¼"x2	py-chl-qtz qtz-carb qtz-py-chl	<.5	Leach Cap: Leachable Ox.: Lim. Zone: Supergene: Remarks: slight hem staining	477	100 117"	73	54446	.02	<.01		1.70	<.001		.03
	ND		490		90 90+70 60	1" 1½"+½" 2/3"	qtz qtz-carb-cp qtz-chl-py	<.5	¼"	487	100	19 93	54447	.10	<.01		1.30	.002		.08
	60 wk		500		70 20 5	3/3" ⅛"x3 3/3"	qtz-carb-chl chl-py-carb qtz-cp-py	<.5		497	100	93	54448	.06	<.01		1.10	.004		.06
	ND		510		5 80 30	¼" 1" ½"	chl-py-qtz qtz-carb-chl qtz-chl-py-cp-(carb)	<.5	503'-04' → ↓ chl content leading to leucocratic phase mixed w normal mine phase & thin py veins cut the unit	507	100	93	54449	.05	<.01		1.21	.004		.08
	ND		520		50 50 50x2, 30	3/3" 3/3" 3/3"x3	qtz-cp-py qtz-chl-cp-py qtz-chl-cp-py	<.5		517	100	97	54450	.10	<.01		1.25	.001		.15
	ND		530		50 10	3/3" ⅛"x4	qtz-chl-py-cp chl-py-(cp)-qtz	<.5		527	100	97	54451	.02	<.01		1.26	<.001		.05

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-55 Page 10 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		540		? 30 30	7" 1' 13"	brk rx gtz-ser-chl-py-cp gtz-ser-chl-py-cp	1.0						537	95	50	54452	.11	<.01		2.25	<.001		.23
	ND		550		50 ?	13" 6'	gtz-ser-chl-py-cp brk rx → hem-(carb)	<.5					¼"	547	100	33	54453	.09	<.01		2.30	<.001		.08
	ND		560		30 20 80	⅛"x3 ¼"-½"x4 ¼"	gtz-chl-py-(cp) gtz-chl-py-cp gtz-((Mo))	<.5						557	100	100	54454	.04	<.01		1.18	.002		.08
	ND		570		40-50 60	⅛"x 7 ¼"x2	gtz-chl-py-((cp)) gtz-chl	<.5						567	56" 100	4 100	54455	.03	<.01		1.04	<.001		.06
	ND		580		70 50 60	2" ¼" 2"	gtz py-cp-chl gtz-chl-py-cp-bournonite?	<.5					576' → possible new mineral identified → bournonite, ($PbCuSbS_3$), stubby, prismatic xtals as well as disseminated grains. Associated w chalcopyrite	577	100	67	54456	.05	<.01		1.20	<.001		.08
	ND		590		30 70+90	⅛"x2 ¼"x2	chl-(py) gtz	<.5						587	100	90	54457	.03	<.01		1.15	<.001		.01

June 1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-55 Page 11 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typ & Alte.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		600	/	60	3"	qtz	<.5	Leach Cap / Leachable Ox. / Lim. Zone / Supergene	597	100	97	54458	.02	<.01		1.35	<.001		.01
	ND .40 str		607	&	40	3'	qtz-ser-chl-py-cp	5.0	606' → 5" rel solid py-cp vein	607	85	-	54459	.27	<.01		6.53	<.001		.47
							607' EOH													
							Sealed Grubs.													

D.P. .75

June1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-56 Page No. 1 of 11

LOCATION GIBRALTAR WEST | BEARING — | LATITUDE (N) 48,780.87 | CORE SIZE NQ | LOGGED BY Dick Peon

DATE COLLARED August 2, 1994 | LENGTH 607feet | LONGITUDE (E) 42,616.57 | SCALE OF LOG 1" = 10' | DATE August 23, 1994

DATE COMPLETED August 2, 1994 | DIP -90° | ELEVATION 2973.14 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- CHLORITE DARKENED MINE PHASE TONALITE
- QUARTZ EPIDOTE CHLORITE ALTERATION PHASE
- QUARTZ CARBONATE SERICITE CHLORITE ALTERATION PHASE
- QUARTZ SERICITE CHLORITE PYRITE CHALCOPYRITE ALTERATION PHASE
- MINE PHASE TONALITE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

- badly broken rock
- fault gouge
- ↑ increase
- ↓ decrease
- ( ) minor amount
- (( )) very minor amount

alm = alteration; az = azurite; bo = bornite; brx = broken rock; bx = breccia; carb = carbonate; cc = chalcocite; chl = chlorite; cp = chalcopyrite; diss = disseminated; ep = epidote; gg = gouge; gr = garnet; gyp = gypsum; hem = hematite; lim = limonite; mag = magnetite; mal = malachite; MnO2 = pyrolusite; Mo = molybdenite; mod = moderate; ND = non directional; pied = piedmontite; py = pyrite; qtz = quartz; rx = rock; sauc = saucerite; ser = sericite; sph = sphalerite; str = strong; StWk = stockwork; tet = tetrahedrite; wk = weak

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization (Decreasing Order of Abundance)	Est. % Py	BOTTOM DEPTHS	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on Ox/Rx	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
									Leach Cap											
									Leachable Ox. 56 feet?											
									Lim. Zone 71 feet											
									Supergene —											
									Remarks											
									CASING TO 14'											
CHLORITE DARKENED MINE PHASE TONALITE: 14' to 43' This unit is comprised of plag+chl+qtz like other Chlorite	ND		20	90° / 90°	90° / Shears x4	1/8" x1	lim-chl / chl-lim-MnO_2	<.5		17	90	3	54461	.07	.05	<.01	3.61	.002		.01
Darkened Tonalites (CDT). But the CDT, in this hole, has undergone some major changes to its appearance. For instance, the CDT, at the start of this hole, is quite vuggy looking. This may be due to the extensive and pervasive lim alteration, that	ND to 90°		30	90° / 90°	Shears x3 / 1/16" x2		chl-lim-MnO_2 / lim-qtz-py-chl	<.5		27	45	7	54462	.10	.06	.01	4.70	.005		.01
resulted in creating a more "fragile" CDT and led to the poor core recoveries. Besides the lim alteration is the chl alteration, which approaches the Dark Chlorite Alteration Phase, in a few spots. A third and minor alteration to the CDT is	ND		40	90° / 50° / 90°	Shears x3 / 2" x1 / Shears x5		lim-MnO_2-ser-chl / qtz (vuggy)-lim-chl-MnO_2 / lim-ser-MnO_2-chl	<.5		37	10	0	54463	.13	.09	<.01	4.06	.005		.01

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Ex. type & Attn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu sol on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
the slight carb alteration.	ND to 90°/gr		50		70° 70°+80° 90°	¼"x1 ⅛"+⅛"x2 1.5'x1	gtz-carb/lim gtz-carb/lim-chl gtz-carb/lim-chl	<.5	-some mal blebs in the shears. -it appears the lim may be closely associated with the carb.	43 47	50 99	40	54464	.05	.02	<.01	2.53	.003		.03
QUARTZ CARBONATE SERICITE CHLORITE ALTERATION PHASE: 43' to 66' This unit is mostly composed of gtz, with ser+chl+carb as the other main constituents. Therefore, due to the high	ND		60		70° 60° crenulated 10+80°	⅛"x1 shears x 4 5.5'x1 shears x3	gtz-carb/lim-chl ser-lim-MnO_2-mal gtz-carb/lim-chl-(py) ser-(lim)-(chl)	<.5	-from 58.5' to 60' is a chl darkened Tonalite section that contains most of the cp+py in this 10ft interval =final occurance of mal+MnO_2 at 56', in a shear.	57	94	27	54465	.08	.01	<.01	3.05	.002		.08
gtz content the unit looks very resistant and competent. As for the chl+ser+carb, they normally are seen crenulated throughout this unit. The carb, in this unit, has the same 'orange-brown' appearance as lim but may	ND		70		crenulated 80° 70°	3'x1 ¼"x1 shears x2	gtz-chl-carb gtz-carb-chl chl-lim	<.5	-the carb content has decreased drastically, while the chl has increased, but the crenulation continue until the chl darkened Tonalite unit is reached.	67	88	37	54466	.05	<.01	<.01	2.62	.020		.03
be distinguished by a simple acid test. Both the chl+ser+carb fluctuate in content throughout this unit.	ND		80		90° 40°&80° 80° 85°	Shear ⅛"x2 1½"x1 3"x1	chl-lim gtz-carb-chl ep-pied-gtz-chl gtz-carb-chl-(hem)	<.5	-there are some garnetiferous bands of chl, running through this interval. -last occurance of lim, in a shear, at 71'.	77	100	57	54467	.02	<.01	<.01	2.04	.006		.08
	ND to 70°-90° wk-mod		90		85° 60° 60° 70°	16"x1 1/16"x1 1/16"x1 ⅛"x1	gtz-chl-carb ep-gtz-chl stwk gtz-chl-py-cp gtz-py-chl-cp	<.5		87	100	60	54468	.13	<.01	<.01	2.72	.001		.07
	ND to 90° wk-gr		100		90° 90° 90°	⅛"x1 ½"x1 ¼"x1	cp-gtz-chl chl-gtz-cp ep-pied-chl-gtz-(py)-(cp)	<.5	-most of the cp blebs have been smeared out and display a 90° foliation.	97	100	73	54469	.15	<.01	<.01	2.53	.001		.15

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-56 Page 3 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typ & Alt'n	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		110		80°	1"x2	ep-gtz-chl-pied-(py)	<.5		107	98	53	54470	.04	<.01		1.95	.001		.01
					90°	1/4"x1	ep-pied-gtz-chl													
					40°	1/16"to1/8"x2	pied-gtz-ep-chl-(py)													
					30°	1/16"x1	gtz-chl-py													
	ND		120		40°	1/16"x1	gtz-chl-cp-py	<.5		117	100	60	54471	.05	<.01		1.62	<.001		.01
					60°	1/8"x1	ep-gtz-chl stwk													
					30°	1/8"x1	ep-gtz-chl-py													
	ND		130		40°	3/4"x1	ep-gtz-chl	<.5	-there is quite a variance in the grain sizes of the minerals in the Tonalite, which may be related to the crystalization of the rock.	127	97	73	54472	.01	<.01		1.10	.001		.01
					40°	1/8"x1	ep-gtz-chl													
					60°	1/16"x8	ep-chl-gtz													
	ND		140		70°to80°	1/8"to1/2"x2	ep-gtz-chl stwk	<.5		137	100	93	54473	.02	<.01		1.22	.001		.01
					30°	1/16"x1	gtz-chl-py													
					30°	1/16"x1	gtz-chl-py													
					30°to40°	1/16"to1/2"x3	ep-gtz-chl-(py) stwk													
-extensive ep+pied alt'n throughout this interval.	ND		150		0°	shear	hem-chl-carb	<.5	*there is some soft, brown sph? associated with a few py blebs and the ep stringers. Therefore a Zn assay should be done from 140' to 190'.	147	99	30	54474	.02	<.01		1.54	.001		.01
					10°	1/16"x1	gtz-carb-chl-py-sph?													
					0°to30°	2"x1	gtz-ep-chl-(py)													
-from 153' to 158' the ep alt'n has increased enough to make the protolith indistinguishable. Therefore this 5ft interval is a Quartz Epidote Chlorite Alteration Phase. ↓	ND		160		30°	1/8"x1	ep-gtz-chl	<.5		157	98	40	54475	.02	<.01		1.49	.001		.01
					10°	1/4"x1	gtz-carb-chl													
					20°	3/4"x1	ep-gtz-chl-(sph)?													

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-56 Page 4 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		170		80° 10° 60°	$\frac{1}{8}$"x1 $\frac{1}{8}$"x1 $\frac{1}{8}$"x1	ep-pied-gtz-chl stwk gtz-pied-chl gtz-chl.	<.5	- next to nil cp+py seen in this interval	167	99	63	54476	.02	<.01		1.08	<.001		.01
	ND to 90° mod		180		10°to20° 70°to80° 70° 40°	$\frac{1}{16}$"x1 $\frac{1}{8}$"to$\frac{1}{4}$"x3 2"x1 2"x1	gtz-ep-chl ep-chl-gtz gtz-chl-sph? gtz-ep-chl	<.5		177	100	83	54477	.03	<.01		1.60	.001		.01
	ND		190		50° 90° 40° 70°	3"x1 11"x1 $\frac{1}{16}$"x1 $\frac{1}{16}$"x1	ep-gtz-(pied) ep-gtz-chl-pied ep-(chl) gtz-chl-py	<.5	- there are 3" to 11" bands of nearly solid ep, in this interval	187	100	87	54478	.01	<.01		1.04	.001		.01
	ND to 80-90° mod		200		40° 20°to40° 30°	$\frac{1}{4}$"x1 $\frac{1}{16}$"x2 $\frac{1}{4}$"to$\frac{1}{2}$"x1	gtz-chl-((cp)) gtz-carb-chl gtz-carb-chl-sph?-py-cp	<.5	- some of the gtz+chl veins cut across and displace the ep stringers, which may give insight about the Tonalite's history.	197	100	90	54479	.01	<.01		1.03	.001		.01
- significant increase in chl alth for this interval over the previous interval.	ND to 40°-90° str		210		85° 70° 40° 50°	$\frac{1}{8}$"x1 $\frac{1}{4}$"x1 $\frac{1}{8}$"to$\frac{1}{4}$"x1 $\frac{1}{8}$"x3	gtz-chl-py gtz-chl-py gtz-chl-carb-cp-sph? gtz-chl-py-carb	<.5	- possible fault gouge from 209' to 210, with about a foot of nearly all gouge. But no signs of any hem in the 10 ft interval.	207	99	33	54480	.06	<.01		1.75	.001		.03
	ND to 70-90 mod		220		50° 70 80° 40°	$\frac{1}{8}$"x1 $\frac{1}{16}$"x3 $\frac{1}{8}$"x1 $\frac{1}{16}$"x1	gtz-chl-ep-cp ep-gtz-chl stwk ep-gtz-pied gtz-chl-cp	<.5	- some minor dis. cp visible in this interval.	217	95	80	54481	.06	<.01		1.36	.017		.03

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-56 Page 5 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bz typ & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 70°-80° wk		230	/	40°	4"x1	gtz-chl-carb																	
				1	0°	2"x1	gtz-carb-chl-ep	<.5						227	100	63	54482	.01	<.01		1.47	.001		.01
				/	40°	¼"x1	ep-gtz-chl																	
				/	90°	¼"x1	gtz-carb																	
	ND to 70°-80° mod		240	/	60°	1/16"x2	ep-gtz-chl																	
				/	40°	¼"x1	gtz-carb-py																	
				/	70°	⅜"x1	gtz-chl-ep-(py)	<.5						237	100	93	54483	.01	<.01		1.58	<.001		.01
				/	40°	¼"x1	gtz-ep-chl																	
	ND to 80° wk-mod		250	/	30°	1"x1	ep-gtz-chl-py																	
				1	0°	⅛"x1	gtz-chl-py																	
				/	80°	⅜"x1	gtz-chl-ep	<.5						247	100	90	54484	.05	<.01		2.13	<.001		.01
				/	70°	1"x1	gtz-chl-pied-ep																	
	ND to 60°-80° wk-mod		260	/	70°	⅜"x2	gtz-chl-pied-ep						- cp+py are well mixed in this interval											
				/	80°	3"x1	chl-gtz-carb-pied-ep						- a few sph stringers alternating with the chl stringers.											
				/	40°	⅛"x1	gtz-chl-py-(cp)	<.5						257	100	73	54485	.03	<.01		1.46	.001		.02
				/	50°	¼"x1	chl-gtz-(carb)-(py)																	
	ND to 60°-90° mod		270	/	80°	1"x1	ep-gtz-chl-(py) stwk																	
				/	70°	1/16"x3	gtz-chl-py																	
				/	60°	⅛"x3	gtz-chl-py	<.5						267	100	77	54486	.07	<.01		1.99	<.001		.01
				/	50°	⅛"x1	gtz-hem-carb-chl																	
	ND to 60° wk-mod		280	/	40°	3½"x1	gtz-chl						- most of the cp comes from a gtz vein from 277' to 277.5'.											
				-	90°	½"x2	ep-gtz-chl	<.5						277	100	80	54487	.07	<.01		1.88	<.001		.10
				/	60°	6½"x1	gtz-chl-cp																	
				/	50°	½"x1	gtz-chl-carb-py-cp																	

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap | Leachable Ox. | Lim. Zone | Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on OxRcs	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 80°wk		290		70° 80° 65° 90°	1/8"v 9 1/2"x1 14"x1 1/2"x1	ep-gtz-chl gtz-chl-((py)) gtz-chl-carb-cp gtz-chl-ep	<.5	- some of the gtz veins have xenoliths, of the Tonalite, within them.	287	100	70	54488	.38	.01		2.80	.001		.25
	ND to 80°mod		300		80°/90° 80° 60° 70°	1/16"x3 1/2"x1 1/2"x1 1/4"x1	ep-gtz-chl stwk gtz-(cp) gtz-carb-chl-py gtz-chl-py	<.5		297	99	80	54489	.02	<.01		1.80	<.001		.02
- once again the ep alteration is quite prevalent, especially in the chl darkened tonalite.	ND to 80°wk		310		80° 70° 80°	1"x1 1/16"x4 1/16"to1/2"x3	ep-gtz-chl stwk ep-gtz-chl stwk ep-gtz-chl stwk	<.5		307	99	83	54490	.01	<.01		1.60	<.001		.01
	ND to 80°wk		320		90° 70°/90° 40° 40°	1/4"x1 1/16"to1/2"x3 1/2"x1 1"x1	ep-gtz-pied-chl-cp ep-gtz-chl stwk gtz (vuggy)-carb-chl ep-gtz-chl stwk	<.5	- there is a few blebs of cp associated with the ep, which is a bit unusual.	317	99	77	54491	.01	<.01		1.31	.001		.02
- the degree of saussurite altn has decreased, while the chl content has increased in its place, from 330' to 340'.	ND		330		60° 30° 80° 10°	1/8"x1 1/8"x1 1/4"to1/2"x1 1"to3"x1	ep-gtz-chl gtz-carb-chl ep-gtz-chl stwk ep-gtz-(chl)	<.5		327	100	80	54492	.01	<.01		1.22	.001		.01
	ND to 60°-80°wk		340		0° 50° 70°	1/8"x1 1/16"to1/2"x4 1/4"to1/2"x2	gtz-chl-(cp) ep-gtz-chl stwk ep-gtz-chl	<.5		337	99	67	54493	.02	<.01		1.53	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap | Leachable Ox. | Lim. Zone | Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Cu not as Ox/Sx	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		350		80°to90° 90° 60° 70°	1/4"to3/4"x3 4½"x1 1/16"x1 1/4"x1	gtz-chl-carb-ep gtz-chl gtz-py-chl gtz-ep-tet?	<.5	- possible dark grey tet? seen, in a few gtz veins, so a silver assay should be done on this interval. The Tet? is associated with small blebs of cp.	347	97	50	54494	.05	<.01		1.77	.005		.02
	ND		360		30° 50°to60° 60°	1"x1 shearsx3 2"x1	gtz-hem-carb-chl hem-carb gtz-chl-carb	<.5	- there is a fault zone from 358' to 375', with several feet of hem stained gouge visible	357	99	43	54495	.09	<.01		2.21	.001		.01
	ND		370		? 30° 90° 90°	1/8"x1 1/16"to1/8"x2 3/4"x1	gtz-chl-hem gtz-carb-py-chl gtz-ser-chl-py	0.7	- there are some chunks of cp mixed in with the gouge, which makes grade estimation difficult. - most of this interval has been fractured or broken to some extent.	367	90	3	54496	.71	<.01		3.60	.001		.07?
- from 375' to 377' is a Quartz Sericite Chlorite Chalcopyrite Pyrite Alteration Phase.	ND		380		40° 20°to90° 90° 90°	1/16"to1/2"x1 11"x1 2'x1 1/16"x1	gtz-chl-carb-cp gtz-cp-chl-carb gtz-ser-chl-cp-py gtz-carb-chl-cp	0.7	- poor core recoveries in the high grade sections of this interval has lowered the Cu grade a bit in reality. - more tet? seen in some gtz+cp veins.	377	95	40	54497	.97	<.01		3.31	<.001		1.07	GG 0.77 *slushy
- the hem staining throughout the interval and the Quartz Sericite Chlorite unit has darkened the whole interval.	ND		390		85° 30° 90° 90°	1/16"x1 shearsx2 1"x1 2"x1	gtz-chl-py hem-carb-chl gtz-ser-chl-py gtz-ser-chl-cp-(py)	<.5	- most of the cp, in this interval, can be seen in a 2" band at 387.5'	387	100	47	54498	.45	<.01		2.86	.001		.72
↓	ND to 90° wk-mod		400		90° 90° 90° 50°	1/2"to3"x3 3"x2 1/2"x1 1/4"x1	gtz-ser-chl-cp-(py) gtz-ser-chl-py-cp gtz-chl-py-hem gtz-(chl)-(py)-(carb)	<.5		397	99	37	54499	.20	<.01		2.71	.001		.15

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND	410	80° to 90° 40 90° 0°	1/16" x 3 1/16" x 1 1/16" x 3 1/16" x 1	gtz-chl-cp gtz-chl-carb-py gtz-chl-py-carb carb-hem	<.5	- at 406' is a 2" section of hem gouge, which may or may not be significant.	407	99	33	54500	.03	<.01		1.70	.001		.02
	ND	420	40° 70° 90° 80°	1/16" x 1 shears x 3 12" x 1 1" x 1	cp-gtz-chl stwk hem-carb chl-ep-gtz ep-pied-gtz-chl	<.5	- possible fracture zone from 413' to 432', which may be interpreted as a fault zone but no gouge is visible, just a bunch of fractured tonalite.	417	96	37	54501	.03	<.01		1.37	.001		.01
	ND	430	60° 50°	1/4" x 1 shears x 2	gtz-py-carb-chl chl-carb-(hem)	<.5	- well developed striations in chl shears support the fault theory, on the zone from 413' to 432', the slickensides indicate some kind of movement atleast.	427	95	27	54502	.05	<.01		2.06	.001		.01
	ND	440	80° 20° 40°	1/4" x 1 1/16" x 1 shear	gtz-py-carb ep-gtz-chl stwk hem-carb	0.6	- there are some offset gtz veins, which may link a deformation event with the faulting/fracturing. This may explain the near absence of veins.	437	97	47	54503	.07	<.01		2.03	.001		.03
- most cp+py, in this interval, is found finely diss and associated together.	ND	450	40° 40° 40° 30°	1/16" x 5 shears x 2 1/4" x 1 1/16" x 2	gtz-chl-py carb-hem-chl gtz(vuggy)-carb-cp-py gtz-chl	<.5	* significant increase in the gtz+chl+py stwk (reminiscent of 421' to 454' in hole 94-55, where the increased stwk is a precursor to a Quartz sericite unit).	447	100	80	54504	.06	<.01		1.86	.001		.07
- there is a gradational contact between the chl darkened Tonalite and the Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase. ↓	ND	460	50° 40° 40°	1/4" x 1 1/16" x 8 2.5' x 1	gtz-carb-py gtz-chl-py gtz-ser-chl-py-(cp)	3.0	- abundant diss py+cp throughout this interval - there are large blebs of py in the Quartz sericite, which may contain some cp.	457	97	50	54505	.27	<.01		5.07	.008		.30?

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		470		70° 40° 40°	14"x1 1"x1 1/16"x2	gtz-ser-chl-py-(cp) gtz-ser-py-cp? gtz-chl-carb	1.5	- possible fault zone from 463' to 464', with some gouge visible.	467	97	67	54506	.04	<.01		2.13	.001		.08?
	ND		480		40° 40° 30° 20°	shear 1/16"x1 1/8"x1 1/8"x1	chl-hem-carb-(py) gtz-chl-py gtz-chl-py-carb gtz-carb-chl	0.7	- most of the Tonalite, in this interval, has a pinkish tint due to the slight hem staining	477	100	63	54507	.04	<.01		1.66	.001		.03
- from 484' to 578' is a chl darkened Tonalite, with a significant ser component but enough of the Tonalite protolith remains to not classify as a Quartz sericite unit. Therefore, this is a ser rich chl darkened Tonalite.	ND		490		30° 20° 30° 40°	1"x1 1/16"x1 1/16"<1 1/16"x2	gtz-carb-chl-hem gtz-chl-py gtz-py-chl gtz(vuggy)-carb	0.6	- the gtz+carb veins cut across and displace the gtz+chl+py veins, which points to a dual generation of veins.	487	100	67	54508	.05	<.01		1.58	.001		.02
	ND		500		70° 50° 90° 60°	1"x2 2"x1 1/2"x1 1/8"x1	gtz-ser-chl-(py) gtz-ser-chl-carb-py gtz-carb-py-cp gtz-carb-cp-chl	1.0	- sharp increase in amount of diss cp visible, especially as you go down towards the end of the interval.	497	99	67	54509	.10	<.01		2.30	.001		.30
	ND		510		30° 0° 40°	shears x2 1/8"x1 3/4"x1	hem-carb gtz-chl-carb gtz-carb-py	<.5		507	100	50	54510	.03	<.01		1.66	.002		.03
	ND		520		40°to50° 40° 40° 30°to50°	1/16"x2 1/16"<2 1/16"x2 1/16"x4	gtz-carb-py-chl gtz-carb-chl gtz-chl-py-carb gtz-chl-py	0.6		517	99	70	54511	.03	<.01		1.72	<.001		.02

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alts.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on Ox Rec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		530		10° 50° 30° 40°	⅛"x1 4"x2 1/16"x5 1/16"x3	gtz-carb-hem-chl gtz-chl-ser-py gtz-chl-py gtz-chl-py	0.6						527	100	73	54512	.03	<.01		1.76	.001		.02
- degree of sericitization has increased for this interval and so has the py+cp content.	ND		540		40° 10° 30° 40°	1/8"to1/4"x3 ⅛"x1 ¼"x8 shearsx2	gtz-carb-py-cp-(ser) gtz-cp-py-ser gtz-carb-chl ser-chl	1.0						537	100	57	54513	.12	<.01		2.41	.001		.86
	ND		550		40°to50° 40°to50° 40°to70° mottled	1/16"x2 ½"x8 shearsx3 1/16"to¼"x17	gtz-chl-py gtz-chl-ser-carb-(py) hem-carb-(ser)-(chl) gtz(vuggy)-carb-chl-py	<.5						547	100	43	54514	.03	<.01		1.58	.002		.01
	ND		560		0° 20° 0° 40°	⅛"x1 ¼"x1 1/16"x1 ¼"x1	gtz-carb-chl carb(vuggy)-gtz-chl-ep gtz-carb-chl-py gtz-chl-carb-ep	<.5					- abundant carb+gtz filled fractures, in this interval. - minor specks of cp+py seen.	557	97	73	54515	.05	<.01		1.62	.002		.03
- it appears the intense sericitic altn has removed most of the veins, leaving a few deform gtz+carb veins, from 560' to 580'.	ND		570		80°to90° 40° 30° 50°	1/16"to¼"x2 ⅛"x3 1/16"x3 4"x1	gtz-carb-chl gtz-carb-chl gtz-chl-carb gtz-ser-chl	<.5						567	100	87	54516	.04	<.01		1.26	<.001		.01
	ND		580		80°to90° 10°to20° 30° 90°	⅛"to¼"x2 ¼"x1 ¼"x2 6"x1	gtz-carb-chl gtz-ser-ep-cp-py ep-pied-gtz-chl-py-sph? gtz-chl-carb-py	0.7						577	100	77	54517	.17	<.01		1.75	.003		.05

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG Hole No. 94-56 Page 11 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Attn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
- the rock has returned to a prototypical Tonalite for the rest of the hole, and is fully out of the sericitized zone.	ND		590	1	20°	1/8" x 1	qtz-carb-hem-chl	<.5	- a small (less than 1/16") cp vein running down the core axis from 588' to 588' might be enough to raise the grade of this interval	587	100	97	54518	.04	<.01		1.11	.004		.03
	ND			1	80°	1/4" x 1	qtz-carb-py-(cp)													
				1	0°	1/16" x 1	qtz-chl-py-cp													
				/	40°	1/16 to 1/4" x 4	qtz-chl-carb-py-cp													
	ND		600	1	20°	1/16" x 2	qtz-chl-py	<.5		597	100	73	54519	.02	<.01		1.06	.001		.01
				/	30°	shear	hem-chl-py-carb													
				\	30° to 10°	1/16" x 1	qtz-chl-py													
	ND			1	30°	1/16" x 1	qtz-chl-py	<.5		607	99	50	54520	.02	<.01		1.05	.001		.02
				/	40°	shears x 2	hem-carb-chl													
				-	80°	1/4" x 1	qtz-chl-cp													
							607' ☆ E.O.H.													
							Duck Poor													

Form 1994

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

Hole No. 94-57 Page No. 1 of 11

LOCATION GIBRALTAR WEST | BEARING — | LATITUDE (N) 48,824.63 | CORE SIZE NQ | LOGGED BY Dick Boon
DATE COLLARED August 3, 1994 | LENGTH 607 feet | LONGITUDE (E) 42,427.16 | SCALE OF LOG 1" = 10' | DATE August 26, 1994
DATE COMPLETED August 3, 1994 | DIP -90° | ELEVATION 2941.84 ft. | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- CHLORITE DARKENED MINE PHASE TONALITE
- MINE PHASE TONALITE
- QUARTZ CARBONATE SERICITE CHLORITE ALTERATION PHASE
- QUARTZ EPIDOTE CHLORITE ALTERATION PHASE
- DARK CHLORITE ALTERATION PHASE
- QUARTZ SERICITE CHLORITE PYRITE (CHALCOPYRITE) ALTERATION PHASE

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

- badly broken rock
- fault gouge
- ↑ increase
- ↓ decrease
- ( ) minor amount
- (( )) very minor amount

alm = alteration, az = azurite, bo = bornite, brx = broken rock, bx = breccia, carb = carbonate, cc = chalcocite, chl = chlorite, cp = chalcopyrite, diss = disseminated, ep = epidote, gg = gouge, gr = garnet, gyp = gypsum, hem = hematite, lim = limonite, mag = magnetite, mal = malachite, MnO2 = pyrolusite, Mo = molybdenite, mod = moderate, ND = non directional, pied = piedmontite, py = pyrite, qtz = quartz, rx = rock, sauc = saucerite, ser = sericite, sph = sphalerite, str = strong, StWk = stockwork, tet = tetrahedrite, wk = weak, Cren = crenulated

BOTTOM DEPTHS: Leach Cap —; Leachable Ox. 88 feet; Lim. Zone 95 feet; Supergene —

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization (Decreasing Order of Abundance)	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
									CASING TO 14'											
CHLORITE DARKENED MINE PHASE TONALITE 14' to 27' The Chlorite Darkened Tonalite (CDT) in this hole has the main mineralogy	ND		20		80° 60°	shears x 2 1/16" x 1	lim - chl lim - MnO_2	<.5	- the chl darkened tonalite has a vuggy appearance. - extensive MnO_2 has helped darkened the unit.	17	95	0	54521	.07	.05	.01	3.28	.004		.01
of qtz + chl + plag, just like other Tonalites seen. But has undergone chl + lim + carb alteration, which has changed the appearance of the CDT. Of the 3 alterations the chl one is most dominant and the carb the least. While the lim has made the CDT incompetant and a bit orange.	ND		30		70° 70°to90° 85°	1/8" x 1 shears x 10 1/4" x 1	chl - lim lim - chl - MnO_2 qtz + carb - chl - (cp)	<.5	- first appearance of cp is within the Quartz Carbonate unit. - gradational contact between the two units.	27	90	0	54522	.09	.07	<.01	3.63	.003		.03
QUARTZ CARBONATE SERICITE CHLORITE ALTERATION PHASE 27' to 68' This unit's most distinctive features are its crenulated appearance and orange-brown carbonate. As for the ser, most of it can be seen only in the shears. It	40-70 str Cren		40		70°to90° 70° 40°to90°	1" x 1 shears x 15 1.5' x 1	qtz - carb - chl - lim - mal - cp ser - chl - lim - MnO_2 - carb qtz - carb - chl - lim - MnO_2	<.5	- there is some mal + cp mixed in with the crenulated stringers of carb.	37	75	3	54523	.06	.04	<.01	2.85	.005		.05

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chiefly as Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
appears that some of the lim is mixed with carbonate, so only an acid test can distinguish the two.	0°-90° str cren		50	40°to50° 60° 0°to90°	2.5' ⅓"x 3"x1	gtz-carb-chl-lim-ser gtz(vuggy)-carb-MnO2-lim gtz-carb-chl-lim-ser-MnO2	<.5	- there are some perfect rhombohedral calcite crystals in a few shears of this interval.	47	95	27	54524	.07	.03	.01	4.22	.004		.02
	ND to 20°-90° str cren		60	0°to90° 70°to80° 50° 80°	1"x1 shearsx3 1"x1 3"x1	gtz-carb-chl-lim-MnO2-ser ser-MnO2-carb-lim gtz-(carb)-(lim)-(mal)-(cp) gtz-tet?-carb-ser	<.5	- some steel grey, with metallic luster, Tet? seen in a 3" gtz vein just under 60°. Therefore, a silver assay should be performed on this interval.	57	65	10	54525	.03	.02	<.01	3.10	.006		.20?
	ND to 0°-80° str cren		70	50°? 0°to80° 40°	6'x1 2"x1 ⅛"x1	gtz-carb-lim-MnO2-cc? gtz-carb-chl-lim-ser-MnO2 gtz-cp-chl	<.5		67	60	17	54526	.04	.01	<.01	2.02	.003		.05
MINE PHASE TONALITE: 68' to 607' Mineralogically this unit is a Tonalite, with plag+gtz+chl as its main assemblage. The plag normally is the dominate mineral and has been saussurite altered to some degree, so	ND to 70°-90° mod		80	70° 40° 30°	shearsx9 shear 1/16"x1	lim-chl-MnO2-carb lim-MnO2-chl lim-py-MnO2	<.5	- the rock, in this interval, can be best described as a gtz-rich Tonal?	77	98	53	54527	.02	.01	<.01	2.16	.001		.01
that the plag appears a yellow-green. The chl blebs are dark green and are generally oriented, in the holes of Gib West	ND to 50°-90° wk-mod		90	50°to80° 40° 70° 50° 40°	shearsx5 2½"x1 shear 1/16"x2 ½"x2	chl-lim-MnO2 gtz-chl-py-(cp) lim-(mal) gtz-py-cp-chl gtz-py-cp-chl	1.5	- from 80' to 83' there is a steel grey, metallic luster mineral that is closely associated with the chl blebs. This mineral may be some partially altered biotite? or blebs of tet?!	87	99	37	54528	.19	.03	.02	3.07	.002		.10
	ND to 90° mod-str		100	80° 70°to90° 85° 30°	⅛"x1 shearsx3 1½"x1 shear	chl-gtz-cp-py chl-lim gtz-chl chl-(py)	<.5	- minor hem stain in this interval, from 95' to 97'	97	95	53	54529	.05	<.01	<.01	2.11	.002		.04

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlol on Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 90°wk		110	1	10°	1/4"x1	carb-gtz-chl	<.5		- competant core has resulted in very little veining and poorly developed joints+shears.	107	99	73	54530	.01	<.01	<.01	1.94	.001		.01
- from 113' to 116' is a Dark Chlorite Alteration Phase.					30°	1/16"x1	gtz-chl-carb-py														
	ND to 60-90° wk-mod				30°to40°	1/4"x2	gtz-chl-py-carb-(cp)	1.0		- most of cp for this interval is in a 1/4" gtz vein, just under 120°.	117	100	90	54531	.16	<.01		2.79	.003		.08
			120		40°	1/8"x1	gtz-chl-carb-py														
				1	20°	1 1/4"x1	gtz-chl-py-carb-cp														
	ND to 70-90° wk-str				folded	1/4"x1	gtz-chl-carb	0.6		- from 124' to 126' the chl darkened tonalite has been intensely sheared and deformed. This shear zone has a gradational contact with the rest of the interval.	127	100	83	54532	.07	<.01		2.30	.002		.02
			130		50°to70°	1/8" to 1 1/4"x2	gtz-carb-chl														
					70°	2"x1	ep-gtz-carb-chl-cp														
	ND to 90°wk		140		30°	1/4" to 3/4"x1	ep-chl-gtz-(hem)	<.5			137	100	77	54533	.01	<.01		.94	.002		.01
					40°	1/16"x1	gtz-py-ep-chl														
					20°	shear	hem-carb														
					50°to60°	1/8"x2	gtz-chl-py-(cp)														
	ND to 90°wk		150		40°	1/16"x1	gtz-cp-chl	<.5			147	100	80	54534	.02	<.01		.96	.001		.03
					40°	2"x1	ep-gtz-chl stwk														
					40°to70°	1/4"x1	ep-gtz-chl stwk														
					20°	1/16"x1	carb-hem														
					70°	shear	hem-chl														
	ND		160		60°	shear	ep-gtz-chl	<.5		- from 152' to 166' the Tonalite contains "squat" hornblende, which appears as a black and subhedral to euhedral mineral.	157	99	87	54535	.01	.01		1.16	.001		.01
					5°	1/16"x1	gtz-chl-py														

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BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx typ & Alm.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Cu as Oxides	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		170		30°	shear	hem-carb-chl	<.5	- there is quite a range, in the grain sizes, of the Tonalite, in this interval. The smaller grains share a gradational boundary with their larger counterparts, so that the size of the crystals may only reflect the crystallization history of the Tonalite	167	100	97	54536	.01	<.01		.99	.002		.02
					40°	1/16" x1	gtz-chl-py-(cp)													
					10° to 20°	1/8" x2	ep-gtz-chl													
					20°	1" to 4" x1	ep-gtz-chl													
	ND		180		50°	1/16" x2	ep-gtz-chl	<.5		177	100	93	54537	.01	<.01		1.02	<.001		.01
					30°	1/4" x1	gtz (vuggy)-carb-chl-hem													
					50°	1/16" x1	gtz-chl-py													
	ND to 90° wk		190		20°	shear	clay-carb-(hem)	<.5	- from 184.5' to 185' is about 6" of hem stained gouge, so this small section may represent a fault zone?	187	100	63	54538	.04	<.01		1.81	.001		.02
					70°	1/4" x1	gtz-carb-chl													
					30° to 40°	1/16" x2	gtz-chl-py-(cp)													
					40°	1/16" x1	ep-gtz-chl													
	ND to 70-90° wk		200		60°	1/16" x1	gtz-chl-py	0.6	- small jump in amount of cp+py seen.	197	100	60	54539	.02	<.01		2.05	.001		.03
					50°	1/4" x1	gtz-py-chl-cp													
					0°	1/16" x1	carb (vuggy)-gtz-hem													
					50°	1/16" x3	gtz-chl-py													
	ND to 70° wk		210		60°	1/16" x1	gtz-chl-py	<.5		207	100	93	54540	.01	<.01		.96	<.001		.01
					70°	1/8" x1	ep-gtz-pied stwk													
					50°	1/16" x1	gtz-py-chl													
	ND to 90° wk		220		20°	1/16" x1	gtz-chl-py	<.5	- next to nil py or cp in this barren Mine Phase Tonalite	217	100	77	54541	.01	<.01		1.00	.001		.01
					40°	1/16" x3	ep-gtz-chl stwk													
					70°	1/16" to 1/8" x2	ep-gtz-chl stwk													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Attn.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		230		50°	$\frac{1}{8}$"x1	gtz-py-chl-(cp)	<.5			227	100	77	54542	.03	<.01		1.28	.001		.01
					70°	$\frac{1}{16}$"x2	ep-gtz-chl														
					30°	shear	hem-clay-carb														
					40°	$\frac{1}{16}$"to$\frac{3}{4}$"x2	ep-gtz-chl														
	ND to 90° mod-str		240		70°	$\frac{1}{4}$"x1	gtz-chl-sph?-py	<.5		- Small amounts of sph? can be seen as orange translucent crystals associated with blebs of py at 231'. Therefore, a Zn assay can be done from 230' to 240'.	237	100	73	54543	.01	<.01		1.23	.001		.01
					70°	1"x1	ep-pied-gtz-py-chl														
					90°	$\frac{1}{8}$"x1	ep-pied-chl														
					40°	$\frac{1}{16}$"x1	gtz-carb-chl-py														
	ND to 80°-90° str		250		80°to90°	$\frac{1}{8}$"x3	ep-gtz-chl stwk	<.5			247	100	93	54544	.02	<.01		.96	<.001		.01
					mottled	$\frac{1}{16}$"to$\frac{1}{8}$"x4?	gtz-chl-py-ep														
					60°	$\frac{1}{4}$"x1	ep-gtz-chl stwk														
	ND to 80°-90° str		260		0°	$\frac{1}{16}$"x1	gtz-chl-(py)	<.5			257	100	73	54545	.02	<.01		.98	.001		.01
					90°	$\frac{1}{16}$"x1	gtz-chl-py														
					20°	shear	hem-carb-(chl)														
					80°to90°	$\frac{1}{16}$"x5	ep-gtz-chl stwk														
- ep alteration has increased sharply in this interval.	ND		270		20°	$\frac{1}{8}$"to$\frac{3}{4}$"x4	ep-gtz-chl-(py) stwk	<.5			267	100	77	54546	.01	<.01		.92	.001		.01
					80°	2"x1	ep-gtz-chl														
					40°	2"x1	ep-gtz-carb-(chl) stwk														
					70°to80°	$\frac{1}{4}$"x2	ep-gtz-chl stwk														
	ND		280		40°to70°	$\frac{1}{4}$"to1$\frac{1}{4}$"x3	ep-gtz-chl stwk	1.0		- Small fault zone from 276' to 278', with some layers of hem stained gouge visible.	277	97	37	54547	.03	<.01		1.87	.002		.01
					50°to60°	$\frac{1}{4}$"to$\frac{1}{2}$"x2	ep-gtz-chl-(py) stwk														
					folded	$\frac{1}{8}$"x1	ep-chl														
					90°	1"x1	py-ep-gtz-carb														

Zn assay

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chal on Order	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		290		70°to90° 80° 80°to90° 80°to90°	1/16" to 1 1/4" x 4 1/2" x 1 1/16" to 1/4" x 6 1/16" x 8	ep-gtz-chl stwk py-gtz ep-gtz-chl stwk ep-gtz-chl stwk	<.5		287	95	47	54548	.01	<.01		.98	.001		.01
-from 297.5' to 298.5' the ep alteration has become dominant enough to obscure the chl darkened Tonalite protolith, so this is a 1' interval of the Quartz Epidote Chlorite Alteration Phase.	ND		300		60° 70°to80° 70°to90° 80°	1/8" x 1 1/2" to 1" x 3 1/16" to 3/8" x 5 1/4" x 1	gtz-py-chl-cp ep-gtz-chl stwk ep-gtz-chl stwk gtz-chl-ep-py	0.7	- minor increase in amount of diss py+cp seen. The py+cp are well mixed together.	297	99	50	54549	.03	<.01		1.75	.002		.06
- the ep alteration has decreased and the core has returned to a near barren mine Phase Tonalite.	ND to 70°-80° wk		310		70° 40° 40° 40°	1" to 1 1/2" x 2 1/2" x 1 1/2" x 1 1/2" x 1	ep-gtz-chl stwk ep-gtz-chl-carb stwk gtz-chl-py gtz-chl-py	<.5		307	99	63	54550	.03	<.01		1.37	.002		.01
	ND to 40°-50° wk		320		50° 40° 90°	1/16" x 1 1/4" x 1 shears x 15	ep-gtz-chl ep-gtz-chl stwk chl	<.5		317	100	33	54551	.02	<.01		1.65	.001		.01
	ND to 50°-80° wk-mod		330		60° 40°	1/2" x 1 1" x 1	ep-gtz-carb-chl-py ep-gtz-chl	<.5	- there are 3" to 4" sections of brx and gouge, seen at 324' and 325' respectively.	327	97	43	54552	.01	<.01		1.86	.001		.01
	ND to 80°-90° wk-str		340		80° 0°to20° 40°	1/16" x 1 1/8" x 1 shear	pied-gtz-ep-chl gtz-chl chl-(cp)	<.5	- a couple of cp blebs can only be seen in the interval from 339' to 340'.	337	99	70	54553	.03	<.01		1.86	.001		.02

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap	BOTTOM DEPTHS: Leachable Ox.	BOTTOM DEPTHS: Lim. Zone	BOTTOM DEPTHS: Supergene	Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlst on OxFes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
- brief Dark Chlorite Alteration Phase from 349' to 350'.	ND to 90° mod		350		70° to 80° 40° 30°	1/16" to 1/2" vn 1/8" x 1 2" x 1	gtz-chl-cp ep-gtz-chl gtz-chl.	0.7					- most of the cp, in this interval, can be found in the chl darkened Tonalite, from 341' to 343'. - possible fault zone from 343' to 350', with about 3" of gouge seen at 350'.	343 347	95 90	27	54554	.18	<.01		2.92	.002		.15
	ND to 85° mod		360		0° to 20° 80° 70° 60°	1/16" x 1 1/8" x 1 1/16" x 1 1/4" x 1	gtz-chl-py gtz-chl-(py)-(cp) ep-gtz-chl-cp ep-gtz-chl-py	<.5						357	97	50	54555	.07	<.01		1.70	.002		.03
	ND to 90° wk		370		0° 0° to 10° 0° 90°	1/8" x 1 1/8" x 1 1/16" x 1 1/8" x 1	gtz-chl-py pied-ep-gtz-chl stwk ep-pied-gtz-chl stwk gtz-py-ep	<.5					- mostly diss py seen, in this interval	367	100	80	54556	.02	<.01		1.67	.002		.01
	ND to 90° mod-str.		380		70° 60° 0° 40° to 50°	1/4" x 1 1/16" x 1 1/16" x 2 shears x 2	gtz-py-ep gtz-chl-py gtz-chl chl-py-(hem)	0.6						377	100	63	54557	.02	<.01		1.32	.001		.01
	ND to 60°-90° mod		390		40° 0° to 10° 80°	1 1/2" x 1 1/8" x 1 1/8" x 1	chl-ep-gtz-py-cp gtz-ep-pied-chl gtz-mod-py-(cp)	<.5					- near the end of the interval is a 3" section of core, which contains abundant Mo.	387	100	67	54558	.08	<.01		1.86	.006		.03
- there are bands of chl darkened Tonalite, ranging from 1/4" to 6", that supply the interval with most of the cp. There is a bit of ser mixed in with these bands. ↓	ND to 40°-90° wk-str		400		80° 60° 50° to 80°	1/16" x 4 1/4" x 1 1/4" to 6" x 3	gtz-chl-py gtz-chl-cp-py gtz-chl-py-ser-cp	1.0					- fair size increase in amount cp + py seen.	397	98	43	54559	.13	<.01		2.65	.003		.05

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	Sample Number	% TCu	% OxCu	% Chlst on OxRec	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
-from 400.5' to 401.5' is a chl dark Tonalite section, which contains some large blebs of cp.	ND to 80-90° str		410		60°	1/2" c	gtz-chl-py-cp	0.7	Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	407	96	70	54560	.14	<.01		1.97	.002		.20
					40°	1/16" to 1/8" x 8	gtz-chl-py													
					40°	1/8" x 1	gtz-chl-py													
					40°	1 1/2" x 1	gtz-chl-ep-py													
	ND to 80-90° mod		420		20°	1/4" x 1	gtz-chl-py	0.6	-most of the cp, in this interval, is not seen freely diss but instead much of the cp is restricted to veinlets.	417	97	47	54561	.09	<.01		1.87	.002		.15
					70°	1/4" x 6	gtz-chl-py-cp													
					60°+70°	1/4" x 8	gtz-chl-py-(cp)													
					40°	1/8" x 2	gtz-py-chl													
	ND to 80-90° wk-str		430		0°	1/8" x 1	ep-pied-gtz-chl stwk	<.5		427	98	27	54562	.07	<.01		1.68	.003		.23
					40°+60°	1/4" x 2	gtz chl-py													
					80°	1 1/4" x 1	ep-gtz-chl													
					0°	1/4" x 1	gtz-(cp)													
	ND to 90° str		440		85°	1/16" x 1	gtz-py-chl	<.5	-the Tonalite has a pink tint, from 435' to 445', due to the hem staining -there is some signs of folding, which coincides with the 3" of near gouge seen at 436.5' that could have be created from intense shearing or deformation.	437	99	37	54563	.06	<.01		1.72	.002		.04
					90°	1/4" x 1	gtz-ep-chl-cp													
					80°	1/4" x 1	gtz-chl-ep-cp													
-the bands of Quartz Sericite Chlorite Pyrite Chalcopyrite Alteration Phase contain most of the cp + py for the interval.	ND to 70-90° wk		450		0°	1/2" x 1	gtz-chl-cp	<.5		447	96	27	54564	.10	<.01		1.61	.001		.12
					70°	5" x 1	gtz-chl-ep-pied-ser-py-cp													
					85°	4 1/2" x 1	gtz-chl-ser-py-cp													
	70-80° mod-str		460		40°	3" x 1	gtz-ser-chl-cp-(py)	0.6		457	99	67	54565	.19	<.01		1.53	.002		.19
					40°	1/4" x 1	gtz-chl-py													
					70°	3/4" x 1	gtz-chl-ser-py-cp													
					40°	1/3" x 1	gtz-ep-chl-py-(cp)													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx typs & Alt'n.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 40°-70° wk-mod		470		40°	1/16"x2	gtz-chl-py	<.5		467	99	43	54566	.07	<.01		1.50	.003		.08
					30°	3/4"x1	gtz-chl-ser-py-cp													
					40°	1/2"x1	gtz-chl-ep-cp-py)													
					30°	1/8"x1	gtz-chl-py													
	ND to 40°-70° wk		480		30°	shear	chl-carb	<.5	- from 476.5' to 495' is a fault zone, with large sections of hem stained debris. - some ser shears visible on a few frags within the fault zone.	477	99	53	54567	.03	<.01		1.64	.001		.03
					80°	1/16"x'	gtz-chl-py													
					20°	1/4" to 3/4"x1	gtz-carb-chl-cp-py													
	ND		490		70°+080°	1/8"x2	gtz-chl-py	<.5		487	80	3	54568	.10	<.01		2.23	.003		.06
					70°?	0°?x1	gtz-chl-ser-cp-py													
					? ? ? brx															
	ND to 90° wk		500		10°	1/16" to 1/8"x3	ep-gtz-carb	1.0	- there are a couple of 1/4" nuggets of cp in the broken interval, from 491' to 492'. The nuggets are probably remnant frags of some relict gtz vein	497	85	13	54569	.59	<.01		3.00	.003		.30
					? brx															
					90°	3"x1	gtz-ser-chl-cp-py													
	ND to 90° wk		510		90°	1/16"x1	gtz-chl-py	1.5	- most the cp in this interval, is found finely diss from 508' to 510'.	507	99	73	54570	.06	<.01		2.22	.002		.07
					0°	1" x 1	gtz-chl-((py))-((cp))													
					0°+020°	1/8"x1	carb-gtz													
					30°	10"x1	gtz-ser-chl-py-cp													
- ser content for the entire interval has increased dramatically, with the appearance of several Quartz Sericite Chlorite Pyrite Chalcopyrite sections. ↓	ND to 40°-80° str		520		40°	3'x1	gtz-ser-chl-py-cp	4.0		517	100	67	54571	.19	<.01		3.09	.004		.17
					80°	1/8"x1	gtz-ser-chl-py													
					60°	2"x1	gtz-ser-chl-py-cp													

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% CNsol on OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND to 85°str		530	89° 0° ? ? ? brx	1/8" to 1/2" x 8 1/4" to 2" x 1	gtz-chl-(py)-(cp) carb(vuggy)-gtz	<.5	- from 523' to 541' is a fault, which unlike the previous fault, has long sections of gouge.	527	92	10	54572	.11	<.01		2.35	.003		.02
	ND		540	? ? brx mottled ? ? brx	1/16" x 2?	gtz-chl-py	<.5	- heavy hem staining throughout the interval	537	90	0	54573	.10	<.01		2.71	.003		.02
	ND		550	30° to 40° 20° 40°	shears x 5 1/16" x 1 2 1/4" x 1	chl-carb gtz-chl-py-cp gtz-ep-cp-(py)	<.5	- most of the cp is in the Quartz Epidote Chlorite Alteration Phase.	547	95	33	54574	.14	<.01		2.03	.006		.09
- both hem staining and epaltn has helped to darken this entire interval a bit.	ND		560	50° 40° to 50° 30° 70°	1/16" x 3 1/16" x 2 1/4" x 1 1/16" x 2	gtz-py-chl-(hem) gtz-py-chl-(cp) gtz-chl-cp-py gtz-carb-chl-hem-(py)	<.5		557	100	37	54575	.04	<.01		2.07	.004		.03
	ND		570	30° 20° 0° to 10° 40°	1/16" to 1/8" x 5 1/8" x 1 1/4" x 2 1/16" x 3	gtz-chl-py gtz-py-chl-carb-cp gtz-hem-chl-carb gtz-chl-py	1.0	- more hem staining from 568' to 573.	567	99	50	54576	.04	<.01		1.55	.003		.02
	ND		580	20° 0° 10° to 30° 25°	shears x 2 1/4" x 1 1/4" to 1/2" x 3 1/16" x 4	clay-carb-chl-(hem) gtz-hem-carb-chl gtz-chl-py-carb gtz-chl-py	1.0		577	100	60	54577	.04	<.01		1.62	.001		.01

GIBRALTAR MINES LIMITED (McLEESE LAKE PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type & Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Chlot as OxRes	% SolFe	% MoS2	oz/ton Ag	Estimated Cu Grade
	ND		580		0°	1/16" x1	gtz-chl-py-(carb)	<.5		587	100	73	54578	.05	<.01		1.37	.002		.01
					0° to 10°	1/16" to 1/8" x2	gtz-chl-py-carb													
					70°	1/4" x1	ep-gtz-chl													
					20°	1/16" to 1/8" x3	gtz-chl-carb-py-((cp))													
	ND		600		10°	1/8" x2	gtz-py-chl	0.6		597	98	47	54579	.15	<.01		2.33	.002		.11
					35°	1/4" x1	gtz-cp-chl													
					20°	1/4" to 3/4" x1	gtz-chl-(cp)													
					30°	2" x1	gtz-chl-ser-py-cp													
	ND				70°	2" x2	gtz-chl-ser-py-ser	0.7	-the Quartz sericite bands contain most of the cp and run at low angles (nearly down the core axis).	607	99	67	54580	.21	<.01		2.77	.011		.22
					20°	3" x1	gtz-ser-cp-chl-py													
					10° to 30°	1/16" to 1/8" x13	gtz-chl-py-(cp)													
							607' ★ E.O.H.													
							Dick Poor													

June 1994

APPENDIX C : ASSAY PROCEDURES

All core was bucked and assayed at the Gibraltar Mines Limited laboratory facilities. The core was sampled in 3.05 m (10 feet) sections (core was not split). Each sample was crushed and passed through a Jones Splitter to produce a small representative sample for pulverizing to 100 mesh. The pulverized material was used for assaying then stored as a "pulp" sample for an indefinite period of time. The splitter reject material was bagged and stored until assaying was completed then the "waste" rejects were discarded and the "high grade" rejects were stored at the mine for approximately one year.

The following assay procedures were applied to the samples:

Acid Soluble Copper

Acid soluble copper analysis (oxide copper minerals) is carried out on 1 g samples dissolved in 50 ml of 30% H_2SO_4 for 90 minutes at room temperature, agitating regularly. The remaining solution was then bulked to 200 ml with H_2O. A portion of filtered solution was then assayed using standard atomic adsorption techniques.

Total Copper

Total copper analysis was carried out on 2 g samples dissolved in 15 ml of HNO_3 and digested until fumes were expelled. 20 ml of HCl was then added, with the sample digesting for a further five minutes. This solution was then bulked to 200 ml with H_2O. A portion of filtered solution was then assayed using standard atomic adsorption techniques.

Cyanide Soluble Copper Analysis on the Acid Soluble Residue

Cyanide soluble copper analysis on the acid soluble residue is done by washing the residue with H_2O, then leaching in 50 ml of 0.5% NaCN solution for 30 minutes at room temperature, agitating regularly. The remaining solution was then bulked to 200 ml with H_2O. A portion of filtered solution was then assayed using standard atomic adsorption techniques.

Acid Soluble Iron

Acid soluble iron analysis was done on 1 g samples dissolved in 15 ml of HNO_3. The sample was then boiled until fuming was finished, with an additional 20 ml of HCl being added and boiled until fuming was complete. The remaining solution was then bulked to 200 ml with H_2O. A portion of filtered solution was then assayed using standard atomic adsorption techniques.

Molybdenum Sulfide

MoS_2 analysis was carried out on 2 g samples dissolved in 15 ml of a $KCLO_3$ saturated HNO_3 and boiled until fuming was complete. 20 ml of HCl was then added, with digesting occurring for a further five minutes. $AlCl_3$ was added to bring the solution to excess of 1000 ppm Al. The remaining solution was then bulked to 200 ml with H_2O. A portion of filtered solution was then assayed using standard atomic adsorption techniques.