DIAMOND DRILL REPORT

ON THE

BROWN GROUP

CARIBOO MINING DIVISION

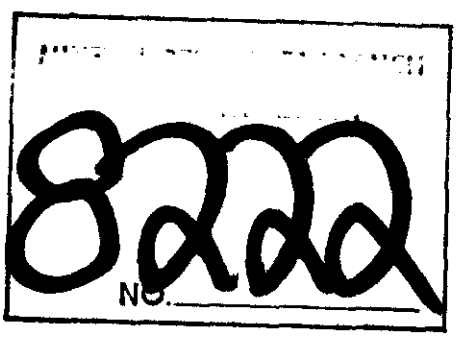
93 B 8W, 9W

(LATITUDE 50°30', LONGITUDE 122° 18')

OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

McLEESE LAKE, B.C.



Author: G.D. Bysouth

Submitted: 31 July 1980

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1.0 INTRODUCTION

The Brown Group lies approximately 1 mile (1.61 km) south-southwest of the Gibraltar Mines concentrator. It lies mainly to the east of Cuisson Lake and extends approximately 1.5 miles (2.4 km) northeast of the northern tip of the lake. Elevations range from 2900 feet to about 3700 feet. Access is via a two-wheel drive road which links the claims to the Gibraltar Mines Road at a point about 3 miles (4.8 km) by road from the plant site. The general location of the group is shown in Figure 1.

This group shares a common history with the adjacent "Pink Group" which lies on its western boundary. The following is quoted from a "Diamond Drill Report of the Pink Group" submitted by G.D. Bysouth on July 11, 1980.

"The property was first staked in 1928 by the Hill Brothers. Mineralization found in a shear zone was tested with a trend and open cut 75 feet in length. A chip sample across the heaviest mineralization gave 25 feet of 2.0% copper, but no gold or silver.

From 1954 to 1956, Sunset (Kimaclo Mines Limited) staked 100 claims in this area and in the Pollyanna area on Granite Mountain. They drove the "Sunset Adit" into the shear zone along Granite Creek at a point about 1 mile (1.6 km) east of the north end of Cuisson Lake. The adit ran for a distance of 110 feet at S35°E. They tested the area around the adit with a pack sack diamond drill. Chip sampling of open cuts west and east of the portal yielded 23 feet of .87% copper and 23 feet of .20% copper respectively. A sample taken of the hanging wall above the shear assayed 12.5 feet of 1.43% copper, and one across the shear yielded 2 1/3 feet of 1.96% copper.

In 1958, Sunset (Major Mines Limited) took over 72 claims in this area. They did 3,000 feet (937.5m) of diamond drilling in 10 holes and carried out a geological mapping program over the area.

In 1967, McPhar Geophysics Limited carried out an I.P. Survey for Cominco Limited which outlined a small anomaly at the northern end of the Pink Group"[1] and the Brown Group.

"Gibraltar Mines have held some claims in the area since 1962. In 1969 they drilled 15 N.Q. wireline holes as part of a larger program designed to test the extensions of the Granite Lake and Gibraltar East orebodies. Gibraltar Mines Limited was working under an agreement with Duval Corporation and Canadian Exploration Limited until 1971 when all interests reverted to Gibraltar."[1] The claims presently in the Brown Group were grouped in 1971 and some of them have been taken to lease. Figure 2 shows a detailed location map of claims and leases in the Brown Group, all of which are owned by Gibraltar

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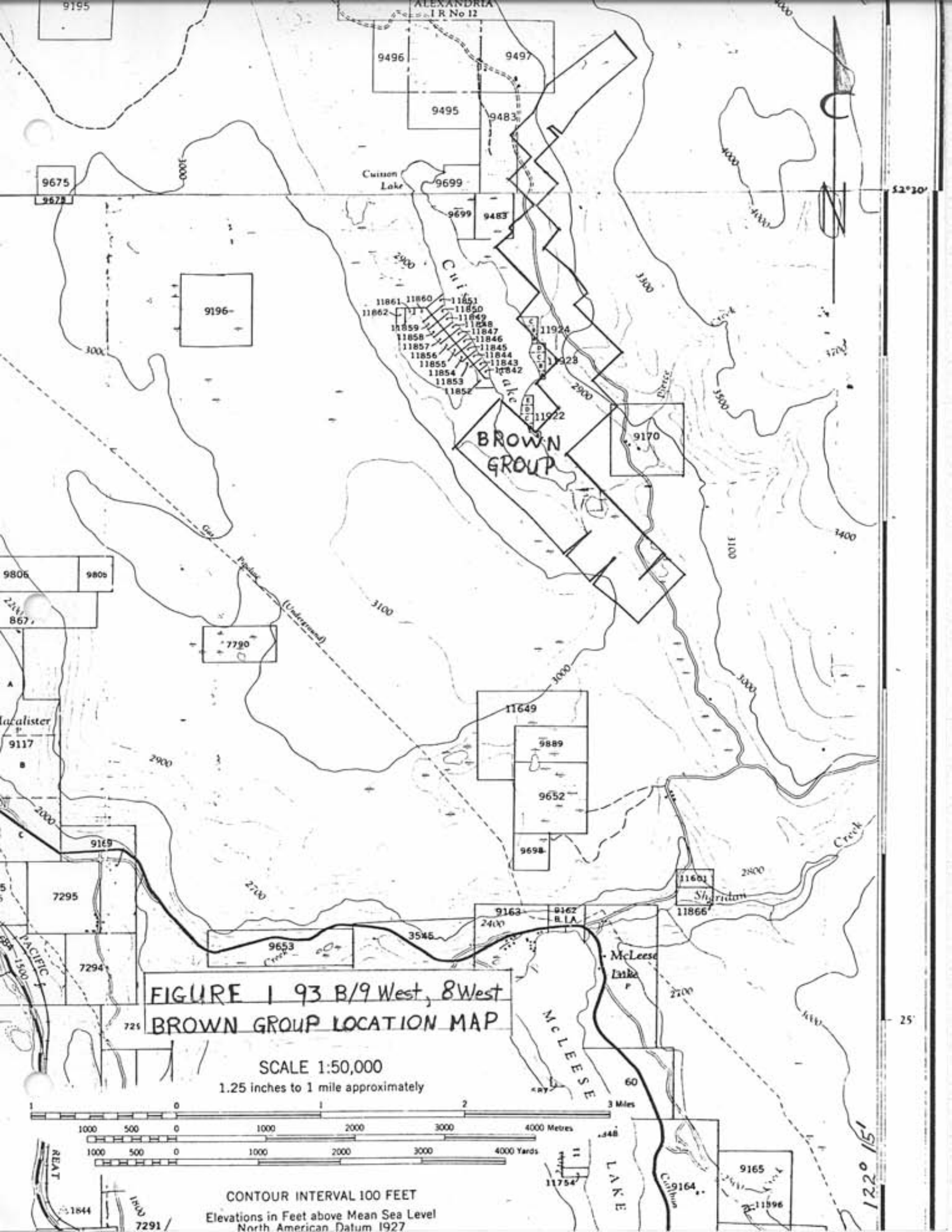
1. G.D. Bysouth, Gibraltar Mines Ltd., Diamond Drill Report on the Pink Group, Cariboo Mining Division 93B8, July 11, 1980.


ALEXANDRIA
I R No 12
9496
9497
9495
9483
9675
9678
9699
Cuisson Lake
9196
11861
11860
11862
11851
11850
11849
11848
11847
11846
11845
11844
11843
11842
11859
11858
11857
11856
11855
11854
11853
11852
11924
11923
11922
BROWN GROUP
9170
9806
9805
7790
9117
11649
9889
9652
9698
9169
7295
7294
9653
9163
9162
B.I.A.
3545
11601
11866
Sheridan Creek
McLeese Lake
MCLEESE LAKE
9164
11754
9165
11596
7291
1844
52°30'
122° 15'
25'
FIGURE 1 93 B/9 West, 8West
BROWN GROUP LOCATION MAP
SCALE 1:50,000
1.25 inches to 1 mile approximately
3 Miles
4000 Metres
4000 Yards
CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927

Mines Limited.

This report covers a drill program designed to test the southerly extension of the mineralized zone indicated by 1969 drilling in the Pink Group and the adit and to test for a possible peripheral porphyry system.

J.T. Thomas was contracted during the period March 4 to March 8, 1980 to drill two vertical N.Q. wireline diamond drill holes totalling 892 feet (271.95m). Core is stored at Gibraltar Mines plant site.

2.0 MINERAL CLAIMS

Claims and leases of the Brown Group are shown in Figure 2. Information on them is tabulated below.

CLAIM NAME	RECORD NO.	LOT NO.	LEASE	ANNIVERSARY DATE
AL 5	28451	-	-	July 2, 1990
8	28454	-	-	"
EV 13	31066	-	-	October 19, 1990
14	67	-	-	"
15	31739	-	-	January 17, 1990
16	40	-	-	"
18	42	-	-	"
20	44	-	-	"
PAN 2	25792	4149	M-64	October
STU 2 FRACTION	52929	-	-	July 18, 1990
3 "	30	-	-	"
4 "	31	-	-	"
6 "	53211	-	-	August 12, 1985
Z 2 Fraction	34969	3601	M-39	July
ZEPHYR 2	25575	3601	M-39	"
4	77	3601	M-39	"
6	79	3601	M-39	"
8	81	3601	M-39	"
FLO 2 FRACTION	43173	-	-	August 3, 1990
VAL 3	33851	-	-	March 18, 1985
5	53	-	-	"
6	54	-	-	"
VAL 35	53212	-	-	August 12, 1985
36	53213	-	-	"
37	52917	-	-	July 18, 1985
38	53214	-	-	August 12, 1985
39	52918	-	-	July 18, 1985
40	53215	-	-	August 12, 1985
41	52919	-	-	July 18, 1985
42	53216	-	-	August 12, 1985
43	52920	-	-	July 18, 1985
44	53217	-	-	August 12, 1985
45	52921	-	-	July 18, 1985
46	53218	-	-	August 12, 1985
47	52922	-	-	July 18, 1985
48	53219	-	-	August 12, 1985
49	52923	-	-	July 18, 1985
50	53220	-	-	August 12, 1985

All of these claims belong to Gibraltar Mines Limited and adjoin to the north, east and west, two-part claims and unit claims, all owned by Gibraltar Mines Limited. The southern edge of the property is

bounded by crown land.

3.0 DRILL PROGRAM

3.1 OBJECTIVE

The purpose of this drill program was to test the southerly extension of a mineralized zone in the Pink Group indicated by the 1969 drilling and the adit zone and to check out the possibility of a peripheral porphyry system. A McPhar Geophysics anomaly also covers the area.

3.2 RESULTS

The drill hole locations are shown in Figure 2. Results from the 1980 drill program in the adjacent Pink Group, submitted in a "Diamond Drill Report" for assessment purposes on July 11, 1980, suggest that a narrow (approx. 180' wide) zone of mineralization, striking 304° azimuth and dipping 60° NE passes about 100 to 150 feet to the north of D.D.H. 80-8. Neither of the two holes drilled in this program hit this system. Grade intersected at the bottom of D.D.H. 80-9 is believed to be another system of mineralization, though further drilling is required to test this theory.

Limonite is noted to 110 and 66 feet in holes 80-8 and 80-9 respectively. Copper oxides are present in only minor amounts.

Diamond drill logs are included in the pocket of this report. All copper values reported here and in the logs are for total copper, all molybdenum reported is MoS_2, and silver is given as ounces per ton.

Hole 80-8 was cased to 20 feet. No significant copper mineralization was intersected. Two 10-foot assays for molybdenum between 270 and 280 feet, and between 450 and 460 feet graded .044% MoS_2 and .042% MoS_2 respectively.

Hole 80-9 was cased to 10 feet. Between 250 and 380 feet, a 130-foot zone of .24% copper was intersected. Molybdenum values were generally low except for a 50 foot zone of .011% MoS_2 at the bottom of the hole. Three random 10-foot samples averaged .020 oz/ton silver.

3.3 INTERPRETATION

According to other drill results, the adit zone strikes 304° azimuth and dips 60° northeasterly. Intersecting south-dipping structures of the same strike do, however, provide some southerly extensions of the zone, and hole 80-8 was situated to test whether or not these were significant. Since only very low pyrite-chalcopyrite concentrations were encountered, the concept of a southward-extending body can be ruled out.

Hole 80-9 was situated to test for porphyry-type mineralization south of the adit zone. The pyrite-chalcopyrite mineralization encountered, even though below ore grade, does suggest the presence of a significantly large sulphide body. The 130 feet of .24% copper intersected at the bottom of the hole could, in fact, represent the low-grade halo of better mineralization. Although mineralization was confined mainly to shear zones, there was a strong indication of increasing vein-and stockwork-type ore control towards the bottom of the hole - this may indicate a trend towards porphyry-type mineralization.

4.0 STATEMENT OF EXPENDITURES

MARCH, 1980 DIAMOND DRILLING, BROWN GROUP

a) Site Preparation

TD 20 C Bulldozer	February 15	2.25 hours @ $57.75/hr.		$ 129.94

b) Drilling Costs

Moving: Flatbed Rental		$180.00		
Drill Company Charges		423.16		
		$603.16	$603.16	
Drilling: 80-8		$ 7,084.00		
80-9		5,404.00		
		$12,488.00	$12,488.00	
Materials:			1,938.42	
			$15,029.58	$15,029.58

c) Vehicle Costs

4x4 1980 Suburban	March 4-8	5 days @ $17.20/day	86.00

d) Assay Costs

90 assays @ $4.40/assay	396.00

e) Miscellaneous Costs

45 core boxes @ $4.60/box	$207.00	
Sample bags, tags, etc.	50.00	
	$257.00	257.00

f) Personnel Costs

Core Logging and Supervision				
G. D. Bysouth	March 5-7	24 hours		
	March 10-11	16 hours		
		40 hours @ $19.60/hr.	$784.00	
Core Logging				
M. R. Schaumberger	March 24-25	16 hours @ $10.67/hr.	170.72	
Field Work and Organizing				
E. Oliver	Feb. 15	4 hours		
	March 4	8 hours		
	March 7	8 hours		
		20 hours @ $13.23/hr.	264.60	
C. Johnston	Feb. 15	4 hours		
	March 4	8 hours		
	March 7	8 hours		
		20 hours @ $10.87/hr.	217.40	

Core Splitting					
E. Oliver	March 6	8 hours			
	March 10-11	16 hours			
	March 14	8 hours			
		32 hours	@ $13.23/hr.	$423.36	
C. Johnston	March 6	8 hours			
	March 10-11	16 hours			
	March 14	8 hours			
		32 hours	@ $10.87/hr.	347.84	
W. Raven	June 10	8 hours	@ $ 9.23/hr.	73.84	
R. Riedel	June 9-10	16 hours	@ $ 6.67/hr.	106.72	
				$2,388.48	2,388.48
			TOTAL DRILLING COSTS		$18,287.00

5.0 CONCLUSIONS

Hole 80-8 rules out a significant southern extension of the adit zone.

Hole 80-9 suggests the presence of a porphyry-type body, and more drilling is required to test this.

Submitted by,

Garry D. Bysouth

Garry D. Bysouth
Senior Geologist

GIBRALTAR MINES LIMITED

APPENDIX I

STATEMENT OF QUALIFICATION

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

1. I am a geologist.

2. I am a graduate of the University of B.C., with a B.Sc. degree in geology in 1966.

3. From 1966 to the present I have been engaged in mining and exploration geology in B.C.

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

Garry D. Bysouth

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Madeline R. Schaumberger, of Gibraltar Mines Limited, McLeese Lake, B.C. do certify that:

1. I am a geologist.

2. I am a graduate of the University of B.C. with a B.Sc. in Geological Science in 1978.

3. From 1978 to the present I have been engaged in mining and exploration geology in B.C. and the N.W.T.

4. I personally logged some of the core from this drill program and assisted in the assessment of the results.

Madeline R. Schaumberger

Madeline R. Schaumberger

APPENDIX II

ABBREVIATIONS USED IN DRILL LOGS

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

BIBLIOGRAPHY

G. Bysouth, Gibraltar Mines Ltd., Diamond Drill Report, Pink Group, Cariboo Mining Division 93B8, July 16, 1980.

HOLE No. 80-8
SHEET No. 1 of 2

GRID [redacted]

LOCATION GIB. WEST
DATE COLLARED Mar. 4, 1980
DATE COMPLETED Mar. 5, 1980

BEARING 0°
LENGTH 506'
DIP -90°

LATITUDE 47883.43 N
DEPARTURE 44493.09 E
ELEVATION 3120.15

CORE SIZE NQW
SCALE OF LOG 1"=10'
REMARKS

LOGGED BY [illegible] & NPC
DATE Mar. 5-7, 1980
Mar. 24-25, 1980.

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
						Casing to 20'			20														
25-30	50		20 CHL			MINE PHASE QUARTZ DIORITE blue qtz - pale green plag.	70 WK		30		10 10 to 60 70 80 x 2 70 60	1/8 hlc x 2 1/20 1/20 1/2 1/4	qtz-py MnO2 + mal x 2 MnO2 + mal MnO2 + mal. qtz-lim qtz-ser-py		Limonite to 110' strong. 160' weak.	30	60	70	97783	.01	.004		
							70 WK		40		70 80 10 x 2 80 x 3 70 x 2 70 x 2 6m 5 30 30	1/10 1/10 1/20 x 2 1/40 x 3 1/8 x 2 1/8 x 1/10 1/4 1/20 1/20	ser-py qtz-py (cc) lim x 2 lim x 3 chl-qtz-py x 2 cht-qtz-py x 2 qtz-py qtz-lim-MnO2 MnO2 MnO2			40	40	60	97784	.11	.004		
							70 Mod		50		5-8 30 2 x 3 80 60 x 2	3/4 2½" hlc x 3 1/10 1/20 x 2	qtz-lim-MnO2-azur. qs MnO2 x 2 qtz-py-lim qtz-lim x 2			47	30	60	97785	.15	.002		
		40-60's				BANDED CHLORITE ZONE (vuggy) (sheared QTZ with incr CHL) 66	80 Str.		60		60-80 x 5 5 80 x 3 45 x 30 80 60 80 70 x 2	hlc x 5 1/2 1/4-1/20 x 3 1/10 + 1/4 1/8 1/2 2" 1/2 x 2	lim x 5 qtz-lim-mal qtz-lim-mal MnO2-mal x 2 lim lim lim lim x 2			56	60	70	97786	.18	.004		
						SHEARED QD (66-77)	80 Str		70		20 10 70 60 x 2 5 40 60 60	1/10 hlc 2" 1/4 x 2 hlc 1/2 1/2 1/2	qtz-py MnO2 qtz-MnO2 MnO2 x 2 MnO2 qtz qtz qtz			66	70	40	97787	.09	.004		

GRID ______ [redacted]

HOLE No. 80-[illegible]
SHEET No. 2 of 8

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
						77 MINE PHASE	70 str		80		80x2 70 80/2 70	1/20 1/2 1/4 x2 1/3	lim x2 qtz-lim qtz x2 qtz			76	80	80	977	88	.09	.002	
						QUARTZ DIORITE (Fresh)	80 WK.		90		10 80 60 80 80 20 70	1/4 1/8 3" 1/8 1/6 2/3 1/8	qtz py chl-py zone qtz (cp) chl-py qtz-chl-MnO2 qtz-cp.			86	90	90	977	89	.10	.004	
							80 WK		100		80 20 20 80x2 20x2 40 30 40	1/2 1/6 1/12 1/4 x2 1/4 + 1/20 1/8 1/4 1/10	qtz-chl-py-lim qtz chl-py chl-py-lim x2 lim-MnO2 x2 lim-MnO2 lim-MnO2 lim-MnO2			96	60	80	977	90	.08	.006	
							80 WK		110		80x2 80 40 70 30 80 10 30	1/20 x2 1/2" 1/6 1/10 2" 1/20 1/10 1/20	py + mal. chl-cp lim-mal chl-lim-mal qtz-chl (cp) lim lim-MnO2 lim-MnO2			106	70	90	977	91	.11	.008	
						116 Fault (to 124)	70 WK		120		40 40x2 40 60x2 30	1/4 1/2 + 1/4 1/8 1/10 + 1/20 x2 1/2 } gg + bx	qtz qtz-lim + qtz qtz lim x2 qtz-py-cp		} bx core + gg	116	50	60	977	92	.09	.006	
						124	80 Mod		130		90 50 40 5+30	1/4 1" 1/4 1/20 x2	qtz qtz-ep-chl. qtz-carb lim-MnO2			124	50	70	977	93	.09	.002	
							80 Mod		140		70 60 50 40 60 80 90	1" 1/4 1" 2" 1" 1/16 1/16	chl-ep-py qtz-chl qtz-chl chl-ep-pied. chl-pied-ep lim lim			134/6	80	85	977	94	.06	[illegible]	

FORM 130-LSD. 2

GRID _____ [redacted]

HOLE No. 80-8
SHEET No. 3 of 8

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Matic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
							80 wk		150		30 + 70 80 x2 90 x2 20 70 80 80	1/20 x2 1/2 + 2" 1/32 x2 1/2 1/4 1/8 1/4	lim x2 qtz (cp) + qtz-py qtz-chl x2 qtz-chl cp qtz qtz			145	80	85	977	95	.07	.004	
						SHEARED QUARTZ DIORITE -ep banding ~ 20-30% ep as 1/8-2" bands	90 str		160		80 60 90 x2 90	16" 2 1" 1/8 1/30 1/20 1/2 + 1" 1"	ep (py) ep zone with lim fract qtz-chl-py qtz-cp lim - mal ep x2 qtz			155/6	30	60	977	96	.08	.002	
						// to foln MINE PHASE	90 str		170		70 80	1/16 1/16	ep - py qtz-py			163/6	80	85	977	97	.08	.005	
						QUARTZ DIORITE ~10% ep mainly as bands // to foln.	80 mod		180		80 x2 80 80 70 70 60 90	1/20 x2 hle 1/8 1/4 1/8 1/4 1/4	qtz-py x2 ep ep ep qtz qtz qtz			176	70	85	977	98	.05	.003	
							80 wk		190		70 80 90 90 70 80 80 80	2/3 1/4 3/16 1/4 3/8 1" 2" 1/4" 4"	chl-py cp ep cp ep zone			186	70	90	977	99	.04	.003	
						Sheared ep-banded quartz diorite	90 mod		200		90 70 80 70-80 x4 80 80	1/4 2" 1/10 1/2 2" 1/20 x4 3" 3/8	qtz ep py ep ep py x4 qtz-ep qtz-py			196	60	90	978	00	.07	.002	
							80 mod		210		80 x3 80 x2 80 90 ? 40 70 ? 60 x3	1/10 x3 1/20 x2 1" 1/4 3" 1" 6" 1/10 x2 + hle	qtz-py x3 py x2 ep chl-py (ep) qtz-chl. (vugsy) qtz-ser-py qtz-chl-ep qtz-py x2 + cp.			206	70	80	978	01	.12	.003	

FORM 130-L50. 2

GRID _____

HOLE No. 80
SHEET No. 4 of 8

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Matic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
							70 Mod.		220		50 70x2 10±2 70 70 65 70x3 7±x2 70	1/16 1"+3" 1/8x2 1/4 1/20 1/10 1/10x3 1"x2 2"	py cp-gt3x2 gt3-pyx2 gt3-py gt3-cp gt3-py pyx3 cp + gt3-py (cp) cp			216	80	90	978 02		.06	.004	
							60 Mod.		230		70+80 70x3 90 40 x2 80 90x2 40 80	1/4+1/2 2"+1/16x2 1/10 1"+1/10 3" 1/8x2 1/2" 1"	gt3 x2 cp + pyx2 gt3-py cp + gt3-py cp-gt3 (py) gt3-pyx2 gt3 gt3-chl (py)			226	80	85	978 03		.04 - .002		
							70 Mod		240		60 40 10±2 70 80 70	6" 4" nile x2 1/4 1/10 1/4	broken zone + hem gg + hem hemx2 gt3-chl-py (cp) gt3-cp gt3-py			236	70	70	978 04		.05	.004	
							70 wk		250		70 70 80 70 50 30? 70 70	1/2 1/2 10" 1/16 - 1" 2" 2" 1"	gt3-py cp-gt3-chl bx gt3-py-cp gt3-ep-chl. zone gt3-chl. gt3-ep gt3-ep gt3-ep	wedge shaped gt3 vein - bx?	1.5% py	246	80	90	978 51		.04	.006	
							70 Mod		260		50 70 60 30 40? 60 x 3 30 20	2" 1" 1" 2" 2" 1/8 + 1/10x2 1/10 1/20	gt3 gt3-cp gt3-ser-py cp cp gg gt3-py-cp + gt3-ser-pyx2 chl-py chl-py			256	85	90	16 201		.07	.004	
							80 Mod		270		50 60 70 60 x 4 60 70 x 3 80 x 3 60 x 2 80 x 2	1 1/2" 1/10 1/4 1/4 + 1/8x2 1/8 1/10 + 2" + 1/4 1/10 x 3 1/10 x 2 1" x 2	cp-gt3 gt3-py gt3-py gt3-ser-pyx2 cp-py gt3-py + cp + gt3-py gt3-pyx3 gt3-ser-py-cp gt3-ser-py-(cp) x2			266	75	85	16202		.12	.004	
							?	EPIDOTE-QTZ BRECCIA ZONE (273-284) Re fragile equatrix cut by gt3.	280		70 80 80 90 90 90 90x2 30 50 40 x2	1/8 1/10 1 1/2" 2" 1" 1"x2 1/10 1/10 1/10x2	gt3-py (cp) gt3-py (cp) gt3-ser-py (cp) gt3-chl (cp) gt3-chl (cp)) (py) gt3-ser-py-cp gt3-ser-py-cpx2 py py pyx2			276	80	85	16203		.14	.044	

FORM 30-LSD. 2

GRID ______ [redacted]

80-8

HOLE No. 80
SHEET No. 5 of 8

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization		Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
						284 MINE PHASE QUARTZ DIORITE	?		290		70 70 70x3 70x3 70 70 80	1/8 6 1/20x3 1/10x3 2 2	qtz-py x2 ep py x3 qtz-py x3 ep ep-qtz-ser-(py)-((cp)) cp			Epidote Flooding	286	65	80	162	04	.12	.006	
							?		300		70 70x2 90 70x2 60x3 10 70 45 90 60x2 40	1/2 1/10x2 2 1x2 1x3 1/4 5 1/10 8 1/10x2 2	ep qtz-py x2 ep ep x2 ep x3 qtz-ser-py ep qtz-py qtz-ep qtz-py x2 ep			3?? - 319' - Massive epidote lenses forming up to 50% of rock	296	80	85	162	05	.05	.004	
							?		310		80 ? 10 60 ? 10x3 ?	1/4 24 1/8 4 8 1/8x3 16	qtz-ser-py qtz-ep-(py)-((cp))-ser qtz-chl ep-ser-qtz chl-ep-(cp) py-chl x3 ep-chl-(py)				306	35	65	162	06	.06	.006	
							2		320		50 30 ? ? 50 40	1/8 2/3 2 1 1 .14	qtz-chl qtz-py qtz-chl qtz-py qtz-chl-py-cp qtz-(cp)	almost massive cp	+1% py		316	20	45	162	07	.12	.004	
							?		330		70 80 ? 20 30 5°	1 1/10 6 2 1 1/4	ep-chl-ser-(cp)-py chl-py ep-ser-qtz ep-qtz qtz-chl-ep-py-cp qtz-chl-(py)-(cp)			325-331 - chl-ep bx	326	40	80	162	08	.07	.005	
						Sheared ep-banded Qtz diorite 330-340	90° Str		340		90x4 70 90 80 90 0 80x3	1/20x4 2/3 hle 2 1/8 hle x3	qtz-py x4 qtz-cp cp qtz-ser-chl-(py)-((cp)) qtz-ser-py-(cp) py hem cpy x3				336	20	75	162	09	.08	.005	
									350		15°x2 70 20 5 30 45	1/4 x2 1/10 1/10 1/8 1/20 1/20	[illegible] hem x2 qtz-py-cp qtz-py carb-gouge qtz-chl-py qtz-py				346	50	80	162	10	.11	.004	

FORM 130-LSD. 2

GRID ______ [redacted]

HOLE No. 80-1
SHEET No. 6 of 8

ROCK TYPES & ALTERATION								GRAPHIC LOG											ASSAY RESULTS				
Qtz.	Plag.	K-Spar	Mafic	Texture	Hardness		∠ to Core Foliation	Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
							?		360		70+30 5 60 50x2 45 40x3 40x2 45x2	1/8x2 1/8 1/4 1/8x2 1/10 1/10x3 1/10x2 1/20x2	qtz-py-cp qtz-(cp) qtz-py-(cp) qtz-ser-py-(cp)x2 qtz-cp qtz-py-cp x3 qtz-cp-py x2 qtz-py			356	70	85	162	11	.13	.006	
							?.		370		50+20 30x3 70+60 70 60 40 30 50x2	1/10x2 1/20x3 2+1 1/10 1/4 1/4 1/8 1/8x2	qtz-chl-py-cp x2 qtz-py x 3 qtz-chl-((cp)) x2 qtz-py qtz qtz-ser-chl-py qtz-py qtz-(cp) x 2			366	60	85	162	12	.12	.004	
							?.		380		45 40x2 50x2 30 10 40x2 ? 30x2	.18 1/8x2 1/10x2 2 1/2 1/2x2 1 1/4x2	qtz-(py) qtz-ser-py x2 qtz-ser-py-(cp)x2 qtz-ser-py-(cp)-(mo) qtz-ser-py qtz-(cp) + qtz-ser-py qtz-chl-cp qtz-chl-py x2			376	60	80	162	13	.18	.005	
							70° wk		390		60 60 60 60x3 90 70x2 50x4 30 35x2	1/10 1/8 1 1/20x3 2 1/20 x2 1/10x4 1/2 1/8, 1/3 x2	qtz-chl-cp-(mo) qtz-((cp)) qtz-ser-py chl-cp qtz-chl qtz-py x2 qtz x4 qtz-chl-cp qtz-chl-((cp))-(py) qtz x2			386	65	85	162	14	.11	.008	
									400		50+25 25 60° 50° 60° 55 70 45 40x2 50 45° 40°	1/20x2 1/8 1/2 1/16 1/4 1/10 1/16 1/3 1 1/20 1/16	qtz-chl-py-(cp) qtz-chl-[illegible] qtz-chl-py-cp-(mo) qtz-ser-py-cp qtz-chl-py-cp-(mo) qtz-chl-(py) qtz-chl (?) qtz-ser-py-((cp)) [illegible] qtz-chl-[illegible]-py-((cp)) [illegible]			396	50	85	162	15	.17	.006	
									410		60x3 60 40+60 55 55° 45° 45° 60x4 35 50 50°	1/16x3 1/2 1/16 x2 1/4 1/8 1 1/2x2 + 1/8x2 2 2 1	qtz-chl-py qtz-ser-cp-(py) qtz-chl-py-cp qtz-ser-chl-py-cp qtz qtz-ser-chl-py-cp qtz-ser-chl-py-cp-(mo) qtz-ser-chl-[illegible]-py-cp x4 qtz-ser-cp-py-(mo) qtz-ser-py-(cp)-(mo) qtz-ser-chl-py-cp(mo)		[illegible]	406	70	90	162	16	.23	.006	
									420		30 45x2 45 65 30° 40 75 25 45 30	1/2 1/4 x2 1/4 12 1/2 1/2 1/2 1/8 1/8 1/16	qtz-ser-py qtz-ser-chl-py x2 qtz-ep-chl qtz-ser-py-hem qtz-chl qtz-ser-chl-py qtz-ser-chl-qtz-(cp) qtz qtz qtz-chl-py-(mo)			416	75	85	162	17	.07	.004	

FORM 130-LSO 2

GRID ______ [redacted] HOLE No. 80- SHEET No. 1 of [illegible]

Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness	ROCK TYPES & ALTERATION	∠ to Core Foliation	Foliation Alteration	GRAPHIC LOG Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
									430		70° 20° 25 80 45 20 45 80 20 35 x2 80°	1/8 1/20 1/4 hle hle 1/2 1/8 1/4 1/20 1/20 1/4 1/8	qtz qtz-chl-(py)-cp) qtz-chl-py-cp chl ser chl ser. chl ser-qtz-py-(cp) qtz-chl-py-(mo)? qtz-chl-ser qtz-chl qtz-chl-py qtz-chl-ser-py-cp qtz-cp			426	80	90	16218		.07	.006	
									6 -70 [illegible] 440		45 45 35 45 70 65° 60 70 x2 45	1/20 1/8 1 1/8 1/16 1/2 3 hle to 1/20 x18 1/4	cp-py qtz qtz-cp-chl-py-cp-(mo) qtz-chl-cp-mo? qtz-chl-py qtz-chl-py-[illegible] qtz-[illegible]-cp qtz-chl-py-cp-(mo)? qtz-chl-py qtz-chl-py-cp		[illegible]	436	80	90	16219		.09	.006	
									450		65° 80° x 4 x3 45 x5 70 60 x2 60 30° 30°	1/4 hle 1/8 x3 hle to 1/20 x8 1/16 1/4 x 2 1 1/8 1/2	qtz chl-py-cp qtz-py-cp x3 qtz-py-cp x8 qtz-chl-py-cp qtz-chl-py-cp x2 qtz-carb-chl-(py)-(cp) qtz-py-cp py		Foliation folds and drags around [illegible] [illegible]	446	60	85	16220		.09	.004	
									460		30° 45 5 30° 30° 28 x2 50 50 35° 30°	1/8 1/2 1/20 1/4 1/8 1/8 x2 1/8 1/16 1 1/4 1/4 1/8	qtz-chl-py qtz-chl-py-cp-mo chl-py qtz-chl-py-cp qtz-chl-py-cp qtz-chl-mag-py-(cp)-(mo) qtz-chl-(py) qtz-chl-py-cp-mo. qtz-chl qtz-chl-py-mo-py-cp		[illegible]	456	70	85	16221		.12	.042	
									470		30° 50° 50° 45° 5° 30° 30° 45° x2 10° 20° 30°	1/20 1/8 1/2 1/8 hle 1/8 1/8 1/8 x2 1/8 1/2	qtz-chl-(py)-(cp) qtz-chl qtz-chl-py-cp-(mo) qtz-chl-py-cp-mo ser qtz-chl-py-(cp)-(mo) qtz-chl-(cp) qtz-chl- qtz-chl-py-cp x2 qtz			466	70	85	16222		.12	.008	
									480		20° 30° 20° 60° 60° 50° 50° 15° 5° 30° 35°	hle hle 1/8 hle 1/8 1/16 hle-1/20 1/8 hle 1/16	chl qtz-py-cp-(mo) qtz chl-cp-py qtz-sauc-py-mo qtz-py-(cp)-(mo) chl-qtz-py-cp qtz-cpy-mo py-chl-qtz qtz-py-(cp)-(mo)		Blue grey [illegible] Mo-[illegible]?	476	[illegible]	80	16223		.06	.008	
									490		45° 40 x2 5 60 x2 80 x2 70 60 80 60°	1/16 1/10 x2 1 1/4 x hle x3 3" 1/4 8"	qtz-py-cp-mo qtz-py + ½" envelope → qtz (cp) qtz-py + qtz py x2 qtz (py-cp) qtz-py qtz-py qtz-py (cp) ser	QSV x2		486	40	80	16224		.09	.004	

FORM 130-LSD. 2

GRID

Qtz.	Plag.	K-Spar	Mafic	Texture	Hardness	ROCK TYPES & ALTERATION	∠ to Core Foliation	Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
											30 x 3 60-80 x 4 50 x 2 40 20 70 60 10	1/10 x 3 1/20-1/10 x 4 1" x 2 1/2 1/8 1/4 1/2 1/8	chl-py x3 chl-py x4 qtz-py + qtz-ser-py qtz chl-carb chl-py chl-cp qtz			495	10	70	16225		.14	.004	
									506		30 30	1/4 2"	qtz qtz-ser-py-cp			506	10	60	16250		.15	.016	
						E.O.H. 506' Gary O. Bysouth									M. R. Schaumberger								

FORM 30-LSD. 2

HOLE No. 80-9
SHEET No. 1 of 6

GRID [redacted]

LOCATION GIB WEST | BEARING 0° | LATITUDE 47,715.00 (N) | CORE SIZE NQW | LOGGED BY G.D.B.
DATE COLLARED Mar 7 1980 | LENGTH 386' | DEPARTURE 11-4,117.00 (E) | SCALE OF LOG 1" = 10' | DATE March 10th/1980
DATE COMPLETED Mar 8, 1980 | DIP -90° | ELEVATION 3,130.00 ASS'D | REMARKS

ROCK TYPES & ALTERATION: Oli.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
						Casing To 10'			10														
25	45 pale green		15-25 chl.			MINE PHASE QUARTZ DIORITE Variable shearing	70 Mod		20		80 x 4 50 x 2 80, 10 80 x 6 45 x ½ 80 x 4	hle x 4 hle x c hle x 10 hle x 6 hle hle x 4	lim x 4 MnO_2 + mal + qs lim + MnO_2 + mal + qs lim x 6 lim - mal lim - qs x 4		Limonite To 66'	16	30	80	9785	05		.04	
							80 Mod		30		80 x 4 60 x 3 80 x 4 20 20 80 30	hle x 4 ½ x 3 ½0 x 4 ½ hle 1" hle	lim - mal x 4 lim x 3 MnO_2 x 4 MnO_2 + lim + mal + qs lim gtz - chl - lim lim			26	40	90	9756	06	.18	.03	
							80 Mod		40		90 x 2 40 x 2 50 x 2 85 x 4	½0 x 2 hle x 2 ½0 x 4 ½0 - hle x 4 1"	lim x 2 lim x 2 lim (MnO_2) x 2 lim x 4 ep			56	80	95	9756	07	.06	.002	
							70 Mod		50		70 80 x 6 80 x 2 90 x 4 90 80	¼ ½0 x 5 hle x 2 1" x 4 ¼ ½	gtz - lim gtz - lim x 5 mal x 2 ep x 2 gtz gtz			46	70	95	9768	08	.09	.002	
									60		90 80 80 90 60 x 2	2" 1" ¼ ⅛ 1" x c 12"	gtz - lim chl - ep - lim gtz - ser - lim gtz gtz - lim + gtz - py bx ep zone			56	70	90	9809		13	.014	

GRID _____ [redacted]

HOLE No. 80-9
SHEET No. 2 of 6

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Matic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Estimated Grade
							80 Mod.		70		4x 4o x 3 90 x 3 70 x 4 30 6o x 5 80 + 3 + 20 30 x 4 80 x 2	8" 1/10 x 3 1/10 - hle x 3 1/10 x 2 + 1/4 1/2 1/20 - hle x 5 1" + 1/20 x 2 + 1/10 hle x 4 1/4 + 1/2	QFP : + hles of xtal. ep + mal x 3 lim x 2 gt3 - lim - py gt3 - lim lim x 5 gt3 - py x 3 + gt3 lim + gt3 - py			66	80	95	97810		.15	.001	
							80 Mod		80		80 x 3 60 x 2 6o 5o 50-60 x 4 4o ? 70 x 2	1/20 x 2 1/4 x 2 1/4 1/2 1/2 - 1" x 4 1/8 6" hle x 2	chl - py x 3 gt3 - py x 2 gt3 - (cp) gt3 - chl - vuggy cp x 4 gt3 - chl - lim gt3 - chl - ep - tr gouge chl - py x 2			76	70	95	97811		.10	.006	
							80 Wk.		90		90 90 x 2 80 x 2 80 90	2 1/2" 1/2 x 2 1/8 + 1/3 1/4 1/2	gt3 - (py) gt3 x 2 gt3 - chl (py) gt3 - py - chl ep			86	20	95	97812		.13	.006	
							70 Mod		100		4o 4o x 2 7o 4o 60 x 3 7o 7o	1/10 hle x 3 1/8 1/20 1/2 + 1/100 x 2 hle 1/4	gt3 - chl - py chl - py x 3 gt3 chl - py gt3 - py (cc) + chl - py x 2 py gt3 - py			96	70	95	97813		.05	.002	
							70 Mod		110		6o 8o 70 x 3 90 9o 70 x 2 80 x 2 + 5 8o x 2 8o 90	1/4 3/4 1/2 + 1/8 x 2 1 1/2" 1/8 1/10 x 2 1/8 x 2 1/4 x 2 1" 2/3	gt3 gt3 - py (cc) gt3 x 3 gt3 - ser - py - chl. gt3 - py - chl. chl - py x 2 gt3 x 2 gt3 x 2 gt3 - chl - (py)(cp) cp		cc only as thin coatings	106	80	85	97814		.12	.007	
							70 Mod		120		90 x 2 45 x 2 85 70 70 x 6 7o 7o 30 x 10 70 x 2 80 x 2	1/8 x 2 1/10 x 2 2" 1/4 1/20 - 1/10 x 6 1" 1/2" hle x 10 1/8 x 2 1" x 2	chl - py (cp) x 2 chl - py x 2 gt3 - chl ((cp)) gt3 chl - py x 6 gt3 - ser - py gt3 - chl. gt3 - [illegible] gt3 - chl x 2			116	80	98	97815		.10	.002	
							80 Wk.		130		60 90? 90 5o 80 5 90	2 1/2" 1" 1/2 3/8 2" 1" 1/4	gt3 - chl (vuggy) gt3 - lim (vuggy) gt3 gt3 gt3 - ser - py gt3 - chl. (vuggy) gt3			126 130	80	90	97816		.06	.004	

FORM 130 - L.S.D. 2

GRID _____ [redacted]

HOLE No. 80-9

SHEET No. 3 of 6

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Au Estimated Grade oz/ton
						MINE PHASE QUARTZ DIORITE (140- (as before except plag. is grey rather than pale green - no sous.)	70 WK		140	70 x 2 60 60 & 30 + 40 35 45 60 x 2 20 70 x 2	1/4 x 2 1/10 1/2 + 1/4 x 2 1" 1/8 1/4 + 1/10 1/8 1/8 x 2	gtz x 2 chl-ep-py ep x 3 gtz-carb-chl. gtz gtz + chl-py gtz gtz x 2			136	70	90	97817		.08	.005	
							70 WK		150	70 60 70 x 3 5 + 95 5 + 70 70 80 70	1/2 3/8 hlc x 3 1/2 + 1/2 1/4 x 2 1/20 1/10 1"	gtz-py-ep (wisp) gtz-py-ep chl-py-ep x 3 gtz + chl-py gtz (py-ep) + chl-ser-py-ep (wisp) lim chl-py gtz-carb (vuggy)			146	80	95	97818		.05	.005	
							70 WK		160	70 70 80 90 60	3" 1/20 1" 1/5 1/20	gtz-ser-py py-chl gtz-chl-py (ep) ep chl-py			156	30	65	97819		.05	.008	.020
									170	40 60 70 x 3 70 80 60	1/10 1/8 1/2 + 1/4 x 2 2" 1" hlc	chl-py chl-py (qtz) gtz x 3 gtz (py-ep) chl-gtz-ser-py ep			166	70	85	97820		.05	.004	.018
									180	70 70 70 80 70	hlc hlc 2" 1/8 3/4	chl-ep chl-ep-py ep gtz-chl (vuggy) gtz-ser-py			176	20	85	97821		.03	.002	
									190	60 40 80 60 60 80 80 80	1/4 1/10 hlc 1/10 hlc 2" 1/10 1/12	gtz-py py ep ep-py ep gtz-chl-py chl-py chl-py-ep			?	60	90	97822		.06	.002	
									200	90 70 90 90 x 2 50 80 80 x 3 80	1" 1/2 2" 1/4 x 2 1/4 2" hlc x 2 1/2	ep ep ep-chl chl-(ep) x 2 ep gtz-ser-py (ep) chl-ep x 2 gtz-ep			196	70	85	97823		.05	.003	

FORM 130-L.S.O. 2

GRID _____ [redacted]

HOLE No. 80-9 80-9
SHEET No. 4 of 6

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Ag Estimated Grade oz/ton
							70 wk		210		80 80 70 60 50 90 x 4 70 90 70	2" ½ 1" 2" 1/10 ⅛ + ½ x 3 2" 1½" ½	gt3-ser-py (cp) chl-py-cp gt3-ep chl-py gt3-chl-py x 4 gt3-chl-py gt3-carb-py (cp) ep.			206	70	95	97824		.09	.008	
							80 str.		220		20 70 30 80 50	2" 1½ ⅓ 2" 2"	gt3 ((cp)) gt3-chl gt3 gt3-ser-py ((cp)) gt3-ep.		214-217 - sheared with ep & chl. bands ~ 40 % ep. as ½-2" bands	216	60	95	97825		.07	.002	
									230		60 60 x 3 90 90 70 70 90 70	¼ ½ x 2 2½ 2" ½0 ½ 1" ½	gt3 (cp) chl-py x 3 gt3-chl gt3-ep gt3-chl-py gt3-chl-py gt3-ser-py (cp) gt3-chl-(cp)			226	80	90	97826		16	.002	
									240		70 60 80 60	¼ ½0 ½ ⅛	gt3 chl-py gt3-ser-py-cp cp		Drillers labelled this → as 246 and the next 256 etc. the blocks are corrected in the log.	236	90	95	97827		.09	.003	
									250		80 90 80 80	1" 2" ⅛ ½"c	gt3-ser-py-cp gt3-ser-py-cp chl-py py			246	95	95	97828		.15	.004	.022
									260		70 70 x 2 30 70 x 2 60 60 5	½0 ½0 x 3 ½0 ½ x 2 ⅓ ¼ ⅛	chl-py chl-cp x 3 chl-(cp) (Mo) chl-py x 2 gt3-cp (Mo) gt3 (cp) gt3-ep			256	80	98	16326		.21	.004	
									270		60 60 5 80 60 90	5" 4" 2" ⅛ ½ 7"	gt3-ser-py (cp) gt3 gt3 gt3-py (cp) gt3-ser-py (cp) gt3-chl-(cp)			266	90	95	16327		.28	.007	

FORM 130-L5D 2

GRID _____ [redacted]

HOLE No. 80-9
SHEET No. 5 of 6

ROCK TYPES & ALTERATION: Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness		∠ to Core Foliation	GRAPHIC LOG: Foliation Alteration	Footage	Structure	Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS: Sample Number Cu.	Sample Number Mo.	% Cu.	% Mo.	Au Estimated Grade $27/ton
							80 WK		280		30 80 90 80 70 70 40 40 x2 80	1/20 x 3 1/4 1" hle 1/8 3/4 1/4 1" 2" + 1/2	py-(cp) x3 gtz gtz-ser py (cp) cp. qtz-(cp)(py) gtz-chl-(cp) gtz-py(cp) gtz-chl-vuggy gtz-ser-py (cp) + gtz-chl (vug)		another 10' > error in footage blocks -There is now a -20' correction on footage blocks recorded in log	~~296~~ 276	75	95	16228		.23	.008	
							70 WK		290		70 x2 60 x2 80 50 80 x2 60 x2 70 70	1/20 x2 hle x5 1/4 1/2 hle x2 1/10 x3 1/4 1/10 1/8	chl-ser-cp (mo) x2 chl-py (cp) x2 chl gtz-mag-chl (cp)(py) chl-py x2 chl-py x3 gtz-py gtz-(cp)			286	80	90	16229		.16	.010	
							70 WK		300		70 x2 60 45 45 10 + 30 80 80 5 80 40	1/10 x2 1" 1" 1/20 + 1/2 1/2 1" 1/2 1/8 1/8	gtz (cp) x3 gtz-ser-chl-py gtz-chl-carb-cp } vuggy gtz-chl-cp chl-cp (mo) + gtz gtz-ser-py (cp) chl-ser-py (cp) gtz-chl-(cp) chl-py gtz-py-cp			296	60	95	16230		.29	.014	
							70 WK		310		80 70 + 30 10 40 + 20 gtz 80 60 60 x 4 60 70	1/4 3/4 + 1/10 1/8 1" + 1/10 1/4 1/8 4" hle x 6 3/4"	gtz-ser-py gtz-cp + chl-(cp) gtz-(cp) gtz-ser-py (cp) + py-cp gtz-ser-py-cp chl-py-cp gtz-ser (py)(cp) py (cp) x4 gtz-ser-py (cp) gtz-ser-py (cp)			306	70	90	16231		.25	.009	
							80 WK		320		80 80 80 80 x2 80 x 10 70 80 80 80	3/8 1/20 1/8 3/8 x2 hle x10 1/2 1/10 1/8 1"	py gtz-py gtz-cp-py gtz-chl-py gtz-chl-py x2 chl-py-(cp) x 10 gtz (cp) chl-cp gtz gtz-ser-py			316	80	95	16232		.13	.005	
							80 WK		330		80 90 50 70 80? 70 80 80 x2 80	1/8 1/2 1/8 1/4 6" 1/2" 1" 1/4 x2 1/10	chl-cp-py gtz-chl-py-cp gtz-chl-py gtz-chl-(cp) gtz-ser-py (cp) gtz-ser-py-cp gtz-cp-py chl-py x2 gtz-chl-py			326	80	90	16233		.23	.009	
									340		80 70 x2 70 90 80 + 70 x 4 70 x3 90 x2 80 x3 90	1/2 1/2 x2 1" 1/10 1/2 + 1/4 + 1/10 x2 1/10 x3 1" x2 1/10 x3 8"	gtz-chl-(cp) vuggy gtz-py (cp) x2 gtz-ser-py chl-(cp) (mo) gtz-cp + gtz-chl-py x4 gtz-chl-py (cp) x2 gtz-ser-py (cp) x2 chl-py (cp) x3 gtz-ser-py (cp)			336	80	95	16234		.31	.007	

FORM 130-L.S.D. 2

GRID _____

HOLE No. 80-9
SHEET No. 4 of 6

ROCK TYPES & ALTERATION							∠ to Core Foliation	GRAPHIC LOG			Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				Estimated Grade
								Foliation Alteration	Footage	Structure									Sample Number		%		
Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness														Cu.	Mo.	Cu.	Mo.	
							80 Mod.		350		80 80 80 x 4 80 80 x 6 80 80 x 4 80 70 80	1" 1" 1/32 x 4 1/16 1/20 - 1/16 1/8 1/20 x 4 8" 2" 6"	qtz-ser-py-cp qtz-cp x 4 qtz-cp qtz-chl-py (cp) qtz-py (cp) py (cp) x 4 qtz-ser-py qtz-cp (Mo) qtz-ser-py ((cp))			346	70	85	16235		.34	.015	
							70 Mod		360		80 70 60 x 2 30 30 70 50	1/4 1/8 1/8 x 2 2" 3" 1/2 1/4	qtz chl-py chl-py x 2 qtz-chl-(vuggy) qg + bx qtz-chl-py qtz-cp		core vuggy	356	70	90	16236		.17	.004	
							70 Str.		370		60 x 2 60 x 2 50 50 70 70 x 3 60 50	1/10 x 2 1/10 x 2 1" 1/4 20" 1/16 x 3 1/20 1/16	qtz-chl-py (cp) x 2 qtz-chl-py-cp x 2 qtz-ser-py-cp qtz-py-cp qtz-ser-py (cp) chl-py-cp x 3 qtz-cp cp		core vuggy	366	70	85	16237		.23	.010	
							40 + 70 Mod-Str.		380		70 x 3 60 60 + 5 40 70 70 70 80 70 50	1/20 x 2 1/8 w + 1" 1/10 1" 1/10 1/10 1/8 1/4 1/8	qtz-py-cp x 3 qtz-ser-py (cp) qtz-ser-py-cp + qtz (Mo) qtz-chl-py qtz-(cp)(py) vuggy chl-py chl-py chl-py-cp qtz-ser-py qtz-py			376	50	90	16238		.30	.014	
							65 Mod		386		45 x 2 60 x 2 70 60 60 x 2 ?	1/20 x 2 1/8 x 2 1/10 1/10 1/20 x 2 6"	qtz-py (wo) x 2 qtz-py (cp) x 2 qtz-chl-py qtz-chl-py chl (blk dry) qg (blk dry + qtz-py frags)			386	40	80	16239		.18	.010	
															Mineralization appears confined to chl.-ser., ser., chl-cp. shear zones which cut the normal foln at a small angle. Rx. between the shears is barren except for random qtz. veins								

EOH 386

Gary O. Bysouth

FORM 130-LSD. 2

N

LEGEND

Brown Group Boundary
Control Survey by BCLS
Control: Chain, compass and topographic map

Scale 1:2,000 (1" = 1,000')

Feet

Meters

INDEX MAP

Scale 1:250,000

Miles

Km

Gibraltar Mines

Granite Mountain

Cusson Lake

McLeese Lake

BROWN GROUP

FRASER RIVER

HWY 97

52°30'

121° 15'

ZEPHYR 15
ZEPHYR 5 FR
ZEPHYR 8
ZEPHYR 7
ZEPHYR 5
ZEPHYR 6
ZEPHYR 13
ZEPHYR 11
ZEPHYR 4
ZEPHYR 2
ZEPHYR 9
ZEPHYR 3
ZEPHYR 1
2 FR
PAN 2
PAN 1
XAIRE 2
XAIRE 1
AL 9
AL 7
AL 10
AL 12
AL 5
STU 3
AL 8
STU 2
AL 6
STU 4
AL 3
AL 4
EV 16
EV 12
EV 11
EV 14
EV 13
FLO 2 FR
EV 18
EV 15
EV 17
EV 20
EV 19
EV 22
EV 21
BUD 6
BUD 8
BUD 7
VAL 5
VAL 3
VAL 7
VAL 6
VAL 8
VAL 10
VAL 12
VAL 14
FLO 4 FR
VAL 4
VAL 2
VAL 1
PINE TREE 3
PINE TREE 1
VAL 41
VAL 43
VAL 45
VAL 47
VAL 49
VAL 44
VAL 46
VAL 48
VAL 50
VAL 42
VAL 40
VAL 39
STU 6
VAL 37
VAL 38
VAL 35
VAL 36
Cusson Lake

55,000 N
50,000 N
45,000 N
40,000 N
35,000 N
30,000 N
25,000 N
55,000 E
50,000 E
45,000 E
40,000 E

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8222

DWN	CHECK	APPR	ISSUED FOR	DATE	REV.	DESCRIPTION

DWN	CHECK	APPR	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE	No.	DWG No.

SCALE	REFERENCE	No.	DWG No.

GIBRALTAR MINES LIMITED

BROWN GROUP

CLAIM LOCATIONS

FILE No. FIGURE 2.

49,000 N

48,500 N

48,000 N

47,500 N

ZEPHYR 1

ZEPHYR 2

ZEPHYR 3

ZEPHYR 4

ZEPHYR 6

ZEPHYR 9

ZEPHYR 11

PAN 1

PAN 2

Z 2 FR

80-8

80-9

43,000 E

43,500 E

44,000 E

44,500 E

45,000 E

45,500 E

46,000 E

N

LEGEND

- DIAMOND DRILL SITE
- CLAIM BOUNDARIES
- BROWN GROUP BOUNDARY

Control: E.D.M. Survey

Scale: 1:1,200

Feet

Meters

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8222

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION

REFERENCE	No.	DWG. No.

SCALE	REFERENCE	No.	DWG. No.

GIBRALTAR MINES LIMITED	DIAMOND DRILL HOLE LOCATIONS
BROWN GROUP	FILE No. FIGURE 3

NO. 211 (5 M)