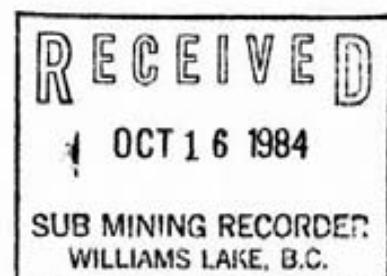


DIAMOND DRILL REPORT
ON THE
YELLOW GROUP

Cariboo Mining Division

93 9/8 9W

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



OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

MCLEESE LAKE, B.C.

GEOLOGICAL BRANCH
ASSAYMENT REPORT

13,117

AUTHOR: M. R. Than

Submitted: September 5, 1984

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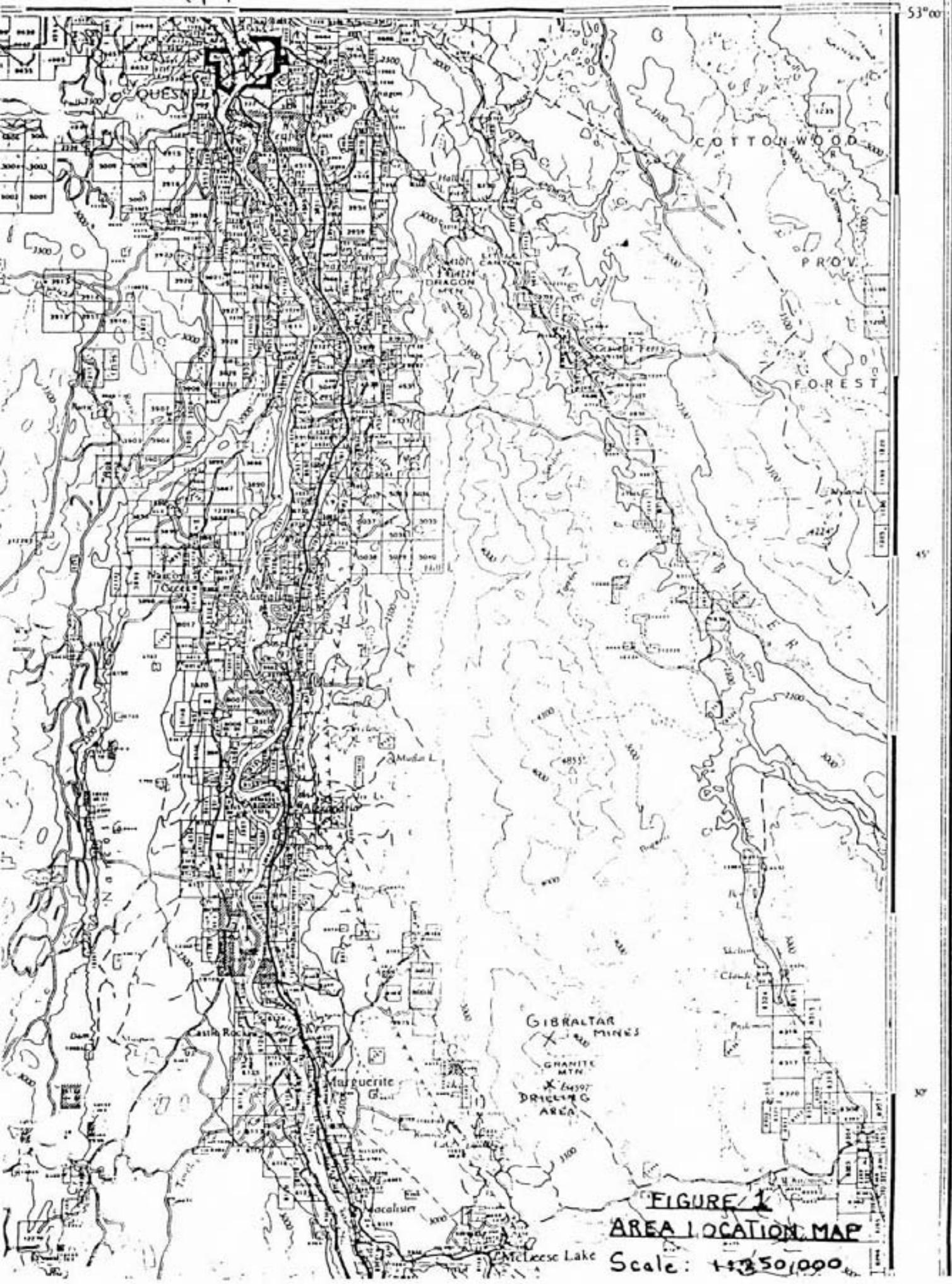
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1.0 INTRODUCTION

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

Diamond drilling took place on this group in May of 1984 and a report on these results was submitted for assessment work on June 6, 1984. A second drill program was carried out in June of 1984 and the results of this program will be reported here. These holes serve to fill in the drill spacing between holes drilled by Canex in 1959 to 1971, and Gibraltar Mines Limited in 1979, 1982, and 1984. The drill locations are shown in Figure 3.

Drilling was carried out by J. & D. Diamond Drilling of 5425 Dallas Drive, Kamloops, B.C. during the period June 16 to June 23, 1984. Four vertical N.Q. wireline diamond drill holes were completed for a total of 2,076 feet (632.75 m.). Core was not split. The whole core was sent to the assay lab for analysis. The ground core is stored at Gibraltar Mines plant site for a period of one year.



2.2 MINERAL CLAIMS

The Yellow Claim Group has mineral leases grouped with mineral claims. Particulars of each claim are listed below. Some of the claims are owned by Cuisson Lake Mines Limited but Gibraltar Mines Limited has full administrative rights over all of these claims. Mineral Claim locations are shown in Figure 3 (in pocket).

G I B R A L T A R M I N E S L I M I T E D
11-JUN-84

C L A I M G R O U P S

YELLOW	GROUP	MINERAL CLAIMS	RECORDED	RECORD	MINERAL	OPTIONED
=====			DOMMYY	NUMBER	UNITS	LEASE FROM
BUD #1		230574	71611	1		
BUD #2		230574	71591	1		
BUD #3		230574	71599	1		
BUD #4		230574	71608	1		
CAROL #4FR		120768	46104	1		CLM
CAROL #6FR		120768	46106	1		CLM
CAROL #7FR		120768	46107	1		CLM
EV #1		230574	71594	1		
EV #2		230574	71593	1		
EV #3		090174	71588	1		
EV #4		230574	71614	1		
FFE #13		160566	35766	1		CLM
FFE #14		160566	35767	1		CLM
FFE #15		160566	35768	1		CLM
FFE #16		160566	35769	1		CLM
FFE #17		160566	35770	1		CLM
FFE #19		160566	35772	1		CLM
FI #2 FR		230574	71601	1		
FI #4 FR		230574	71602	1		
FLO #1 FR		230574	71603	1		
GIB #15FR		030971	54566	1		
GIB #20FR		210672	66782	1		
GJ #20FR		090174	71323	1		CLM
HAS #2		161068	48026	1		CLM
HAS #12		161068	48031	1		CLM
HAS #13		161068	48032	1		CLM
HAS #14		161068	48033	1		CLM
HAS #15		161068	48034	1		CLM
HAS #16		161068	48035	1		CLM
HAS #17		161068	48036	1		CLM
HAS #18		161068	48037	1		CLM
HAS #19		161068	48038	1		CLM
HAS #20		161068	48039	1		CLM
HO #5		051066	37784	1		CLM
HO #6		051066	37785	1		CLM
HO #7		051066	37786	1		CLM
HO #8		051066	37787	1		CLM
HO #20		051066	37797	1		CLM
SAP #2 FR		030971	54568	1		CLM
SAP #3 FR		030971	64569	1		CLM
SAP #5 FR		210672	66783	1		CLM
VE #21		280469	50693	1		CLM
VE #22		280469	50694	1		CLM
ZIP #1FR		120276	00139	1		
EST NO3 FR		200571	62401	1	3634 M42	
LYNNE #3		130766	30599	1	3634 M42	
RUM #80 FR		031270	51406	1	3634 M42	
VE NO 1		140266	34947	1	3634 M42	
VE NO 2		140266	34948	1	3634 M42	
VE NO 3		140266	34949	1	3634 M42	

C L A I M G R O U P S

NAME	RECORDED DOMHYY	RECORD NUMBER	UNITS	MINERAL LEASE	OPTIONED FROM
VE NO 5	140266	34951	1	3604	M42
VE NO 7	140266	34953	1	3604	M42
VE NO 10	140266	34955	1	3712	M50
VE NO 4	140266	34950	1	3713	M51
VE NO 6	140266	34952	1	3713	M51
VE NO 8	140266	34954	1	3713	M51
HO #18 FR	051066	37795	1	4139	M58
HO #19	051066	37795	1	4139	M58
LINDA #1	211169	55049	1	4139	M58
LINDA #2	211169	55050	1	4139	M58
LINDA #3	211169	55051	1	4139	M58
LINDA #4	211169	55052	1	4139	M58
SAP #4 FR	030971	54570	1	4139	M58
VE NO 15	140266	34961	1	4142	M61
VE NO 16	140266	34962	1	4142	M61
VE NO 17	140266	34963	1	4142	M61
VE NO 18	140266	34964	1	4142	M61
VE NO 19	140266	34965	1	4142	M61
VE NO 20	140266	34966	1	4142	M61
HAS 4	161068	48028	1	4143	M59
HAS 6	161068	48029	1	4143	M59
SAP #1 FR	030971	54567	1	4140	M50
TOTAL UNITS 72				TOTAL 1	

3.0 DRILL PROGRAM

3.1 OBJECTIVE.

Drill results of the May 1934 program confirmed the faulted nature of the Granite Lake orebody showing that ore is cut-off abruptly along strike by numerous faults. This program was designed to test the projectability of ore found by previous drilling within the various fault blocks.

3.2 RESULTS.

The drill hole locations are shown in Figure 3. The locations were surveyed with an E.O.M. AGA survey instrument. Drill logs are included in the pocket of this report. All copper values reported here and in the logs are for total copper. All molybdenum reported is MoS.

All holes intersected a typical "Mine Phase Quartz Diorite." This is a medium grained rock comprised of about 30% dark grey quartz, 20% green chloritized mafics, and 50% light green saussuritized feldspar. "Dark Alteration Zones" mentioned in the drill logs are zones of further alteration in which the epidote content of the saussurite has been remobilized out of the dark zones to form clots and veins of epidote near the borders of the dark zones. The feldspar in these dark zones is a gray color and there is often a higher concentration of chlorite and sericite associated with these zones. These dark alteration zones were encountered in all of the drill holes in this drill program along with narrow intersections of quartz-chlorite-sericite shear zones. A "Leucocratic Phase" was also intersected in places. This is a high quartz, low chlorite rock sometimes showing a seriate texture.

Hole 34-15 was drilled south of the Granite Lake pit near the eastern edge of the fault block. Overburden was sixty-five feet deep but no leach cap, oxide or supergene were intersected. An ore zone was encountered from 120 feet to 240 feet to give 120 feet of 0.45% copper and 0.005% MoS. A small fault was intersected at 331 feet and drilling water was lost. The hole was abandoned at 393 feet.

Hole 34-17 was drilled on the western side of the same fault block south of the pit. The bounding fault of this zone was intersected at 129 to 165 feet and a weak ore zone started below this. Chalcocite was present in the fault zone and is believed to have been channeled down the fault and is not a true supergene blanket. There is evidence for more faulting deeper in the hole with soft gougy broken core. RQD's were very low in places. The ore zone extends from 180 feet to 320 feet for 140 feet of 0.32% copper and 0.011% MoS. Rods and equipment were lost down the hole.

Hole 84-18 also intersected the major fault on the western edge of the fault block. This fault is striking 030 degrees and dipping 30 degrees to the northwest. Ore is found only beneath this fault. In this hole a weak ore zone was intersected from 130 feet to 230 feet for 100 feet of 0.23% copper, 0.013% MoS. A second fault was intersected at 185 feet to 212 feet. This is thought to be a northerly trending fault dipping at 55 degrees to the west. The recoveries and RQD's were very low throughout most of the hole. The hole was lost at 235 feet due to loss of drill water. Some equipment was lost down the hole.

Hole 84-19 was drilled into the fault that forms the eastern boundary of this block. This hole was abandoned at 182 feet. Grades intersected in this hole should not be projected into the ore zone within the fault block as they represent a northerly trending low grade zone associated with the fault. The fault is believed to strike due north and be virtually vertical.

Hole 84-20 was also drilled down a fault zone, this one in the center of the "fault block". This fault also strikes northerly and dips steeply to the west. It was known to exist in this "block" but because it does not appear to cause a major ore off-set, this southern area is still thought of as one major block between the fault on the west at 030/30 degrees NW and the one intersected by 84-19 striking 000 degrees, dipping 90 degrees. Holes 84-19 and 84-20 were moved from the proposed locations in the field due to access problems. Unfortunately these moves into fault systems made the reliability of assy's in these holes very low. Recoveries in 84-20 were very low and RQD's average less than 2% for the entire hole. This hole was abandoned at 183 feet.

Holes 84-21, 84-22, and 84-23 were drilled on the north-eastern edge of the pit. This area too is badly faulted with the two major bounding faults being a second 000/90 degree fault on the western edge and a 004/58 w fault on the eastern boundary. It was also thought that cross-structures existed between these two faults forming wedges. These three holes give a bit more evidence for a fault striking approximately 355 degrees dipping 61 degrees to the west within the block.

Hole 84-21 was drilled to a full proposed depth of 300 feet despite bad ground. Recoveries were poor and RQD's were low. No leach cap was intersected but oxide ranged from the top of the hole to 125 feet. A weak supergene zone continued down to 150 feet. The entire hole had good copper mineralization averaging 0.34% copper over 260 feet. MoS averaged 0.013% over the hole. A fault zone was intersected at 244 feet to 252 feet.

Hole 84-22 was abandoned at 140 feet in badly broken ground though no major gouge zones were intersected. A weak limonite zone extended down to 70 feet and supergene continued to the bottom of the hole. No strong consistent ore zones were intersected. An average grade of 0.20% copper, 0.005% MoS was intersected between 20 feet and 110 feet.

Hole 84-23 was drilled near the eastern edge of the "fault block". A limonite zone was present to 38 feet and a supergene zone continued down to 198 feet. An ore zone 56 feet thick, averaging 0.31% copper and 0.012% MoS, was intersected from 240 feet to the bottom of the hole. A few small faults were intersected. The hole was drilled to 296 feet.

3.3. INTERPRETATION.

This drill program confirmed many of the faults proposed in this area. It has demonstrated that care must be taken with ore projections to ensure that ore is not placed across a fault which, in fact, cuts off the ore. A good understanding of the structure is essential.

4.0 STATEMENT OF EXPENDITURES

June 1984 Diamond Drilling, Yellow Group

(a) Drilling costs

i) Direct footage charges

84-16	393'	@ \$13.50/ft.	\$5305.50
84-17	347'	@ \$13.50/ft.	\$4654.50
84-18	235'	@ \$13.50/ft.	\$3172.50
84-19	182	@ \$13.50/ft.	\$2457.00
84-20	183	@ \$13.50/ft.	\$2470.50
84-21	300	@ \$13.50/ft.	\$4050.00
84-22	140	@ \$13.50/ft.	\$1890.00
84-23	295	@ \$13.50/ft.	\$3996.00

			\$23026.00
ii) Equipment and Materials Lost			
84-17			\$4185.58
84-18			\$ 603.48

			\$4789.06
			\$32,815.06

(b) Vehicle

4x4 1980 Suburban May 3, 5-12
9 days @ \$20/day \$ 180.00

(c) Assay Costs

104 Cu - MoS2 assays @ 4.40/assay \$ 457.60

(d) Supplies

Core boxes,
104 boxes @ \$6/box = 5624.00
Tags, bags, etc. = 62.40

\$636.40 \$ 686.40

(e) Personnel Costs

(1) Core Logging and Supervision

G. Sysouth

June 29 8 hrs.

July 2-5 28 hrs.

36 hrs. @ \$31.55 \$1135.80

(2) Core Logging, Interpretations, Sample Prep.		
*M. R. Thon		
June 22-26 20hrs.		
July 5-10 16hrs.		
July 11-13 20hrs.		
Sept 3 8hrs.		

	64hrs. @ \$22.02	\$1409.28
(3) Field Work and Sample Preparation		
E. Oliver		
June 5-11 20hrs.		
June 25-27 20hrs.		

	40hrs. @ \$19.64	\$ 785.60
(4) Field Work		
G. E. Barker		
June 15 4hrs.		
June 18-22 12hrs.		

	16hrs. @ \$21.43	\$ 342.88

	\$3,673.56	3,673.56

TOTAL DRILLING COST		\$37,812.62

*Married name of M. R. Schnupperger

5.0 CONCLUSIONS

Because of the faulted nature of the orebody it is necessary to have relatively close-spaced drilling to test for the continuity of the ore projections. It is recommended that future drill programs decrease the drill spacing to about 200' x 200'. It is also recommended that ore projections be restricted by fault boundaries where these are thought to exist.

SUBMITTED BY:

GIBRALTAR MINES LIMITED

Madelene R. Thor
Madelene R. Thor
Mine Exploration Geologist

APPENDIX I

STATEMENT OF QUALIFICATIONS

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

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

Garry J. Bysouth
Garry J. Bysouth
Senior Geologist

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Madeline R. Thon, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

1. I am a geologist.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree in Geological Science in 1978.
3. From 1978 to the present I have been engaged in mining and exploration geology in British Columbia.
4. I personally assisted in the logging of the core and the assessment of the results of this drill program.

Madeline R. Thon

Madeline R. Thon

APPENDIX II

ABBREVIATIONS USED IN DRILL LOGS

cal.....	calcite
carb.....	carbonate
chi.....	chlorite
cp.....	chalcopyrite
cren.....	crenulated
dissem.....	disseminated
ep.....	epidote
foln.....	foliation
grn.....	grained
lim.....	limonite
mai.....	malachite
mag.....	magnetite
py.....	pyrite
QSP.....	quartz-sericite-py
qtz.....	quartz
rx.....	rock
ser.....	sericite
str.....	strong
stckw.....	stockwork
wk.....	weak
Wt. Q.D.....	White Quartz Diorite = Leucocratic Phase
RQD.....	Rock Quality Determination

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-16
SHEET No. 1 of 6

LOCATION S. of Granite Lake Pit
DATE COLLARED June 16, 1984
DATE COMPLETED June 17, 1984

REMARKS 0.0°

LENGTH 393'

DIP -90°

LATITUDE 45°18' 19N

LONGITUDE 59°00' 55E

ELEVATION 2938.04'

CORE SIZE N.g. Wireline

SCALE OF LOG 1" =

REMARKS Hole lost 203' due to loss of drilling water (in fracture rock below a fault). Poor rec. low R.D.

LOGGED BY M.R.S.

DATE June 22, 1984

ROCK TYPES & ALTERATION			Lithology	Foliation	Graphic Log	Mineralization	Fracture Angle to Core Axis - FREQUENCY -	Estimated % Pyrite	Bottom Depths		Estimated Core Recovery %	R.D.	ASSAY RESULTS		
Lithology	Foliation	Alteration Features							Lerch Cap	Lim. Zone	Supergene	Remarks	Sample Number	% Cu	% Mo
Cased to 61'									0						
O.R. to 65'									0						
Mica Schist	60°	60°	70	70	70	70	0-2-ep	12%	61						
Quartz Diorite	Mod	Mod	70	70	70	70	0-2-ep	12%	64%						
30% act., 20% ill.			60x2	70	70	70	0-2-ep	12%	65						
Satin Spar			60x2	70	70	70	0-2-ep	12%	66						
65-95% Sars Alt's	60	60	60x2	70	70	70	0-2-ep	12%	67						
Q.D. (less than normal)	Mod	Mod	60x2	70	70	70	0-2-ep	12%	68						
Zones of Dark Chl. - rich Alt's	20	20	60x2	70	70	70	0-2-ep	12%	69						
			60x2	70	70	70	0-2-ep	12%	70						
			60x2	70	70	70	0-2-ep	12%	71						
			60x2	70	70	70	0-2-ep	12%	72						
			60x2	70	70	70	0-2-ep	12%	73						
			60x2	70	70	70	0-2-ep	12%	74						
			60x2	70	70	70	0-2-ep	12%	75						
			60x2	70	70	70	0-2-ep	12%	76						
			60x2	70	70	70	0-2-ep	12%	77						
			60x2	70	70	70	0-2-ep	12%	78						
			60x2	70	70	70	0-2-ep	12%	79						
			60x2	70	70	70	0-2-ep	12%	80						
			60x2	70	70	70	0-2-ep	12%	81						
			60x2	70	70	70	0-2-ep	12%	82						
			60x2	70	70	70	0-2-ep	12%	83						
			60x2	70	70	70	0-2-ep	12%	84						
			60x2	70	70	70	0-2-ep	12%	85						
			60x2	70	70	70	0-2-ep	12%	86						
			60x2	70	70	70	0-2-ep	12%	87						
			60x2	70	70	70	0-2-ep	12%	88						
			60x2	70	70	70	0-2-ep	12%	89						
			60x2	70	70	70	0-2-ep	12%	90						
			60x2	70	70	70	0-2-ep	12%	91						
			60x2	70	70	70	0-2-ep	12%	92						
			60x2	70	70	70	0-2-ep	12%	93						
			60x2	70	70	70	0-2-ep	12%	94						
			60x2	70	70	70	0-2-ep	12%	95						
			60x2	70	70	70	0-2-ep	12%	96						
			60x2	70	70	70	0-2-ep	12%	97						
			60x2	70	70	70	0-2-ep	12%	98						
			60x2	70	70	70	0-2-ep	12%	99						
			60x2	70	70	70	0-2-ep	12%	100						

Chl-Sar Shear

in places.

GRID

GIBRALTAR MINES LTD

HOLE NO. 89-16
SHEET NO. 2 OF 6

GRID _____

GIBRALTAR MINES LTD.

卷之三

GRID

GIBRALTAR MINES LTD.

HOLE No. 24-16
SHEET No. 4 of 6

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-16
SHEET No. 5 of 6

GRID _____

GIBRALTAR MINES LTD.

HOLE NO. 84-16
SHEET NO. 6 of 6

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 1 of 6

LOCATION GRANITE LAKE
DATE COLLARED JUNE 17, 1984
DATE COMPLETED JUNE 18, 1984

BEARING _____
LENGTH 347'
DIP -90°

LATITUDE 75.25232 N
LONGITUDE 53.43149 E
ELEVATION 3972.33'

NAME N. G. W.
SCALE OF LOG 1" = 10'
REMARKS

ccco in G.D.R.
re June 29, 1984

LOCATION	GRANITE LAKE	BEARING	-	LATITUDE	75.252.32 N	CORE SIZE	N.Q.W.	LOGGED IN	G.D.B							
DATE COLLECTED	JUNE 17, 1984	LENGTH	347'	DEPARTURE	53.431.49 F	SCALE OF LOG	1" = 10'	DATE	JUNE 29, 1984							
DATE COMPLETED	JUNE 18, 1984	DIP	-90°	ELEVATION	3972.33'	REMARKS										
ROCK TYPES & ALTERATION				GRAPHIC LOG	FRACTURE ANGLE TO CORE AXIS	DEPTH	ASSAY RESULTS									
		L to Core Foliation	Alteration Features Structures	Value L to Core Axis	Width of Zone	Mineralization	ESTIMATED % PYRITE	Bottom Leach Cap	LEACH CAP	Estimate Core Recovery %	ROD	Sample Number	% Cu	% Mo	Estimated Grade	
								LIM. ZONE	-							
								SUPERFICIAL	* 150							
								REMARKS								
Casing To 20'																
MINE PHASE				20											35.50	
QUARTZ DIORITE (20' -)				70- 30 Mod	80	10°	Drill core Chl - Qz Zone	100			20					.25
- 45% Sulf. Pbo				20	60	10°	Chl - Ep - (Pf) Zone	100								
- 20% Qz				70	20-40	10°		100								
- 20% Chl				70	30	10°		100								
~ lower qz and higher mafic than normal				40	50	10°		100								
- med size - sulf. chl phase				60 Mod	20-30±2	10°±5	qz-chl ± 5	100								
				60	30±2	10°±5	qz-chl	100								
				60	60	X	qz-pied	100								
				60	20	10°	qz -	100								
				60	20	10°	qz - chl (avg)	100								
				60	20	10°	chl (avg) Zone	100								

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 2 of 6

ROCK TYPES & ALTERATION			GRAPHIC LOG		FRACTURE ANGLE TO CORE AXIS - FREQUENCY -		ESTIMATE OF PYRITE %	BOTTOM DEPTHS			Estimated Core Recovery %	ASSAY RESULTS				
			L to Core	Alteration Alteration	Voids L to Axis	Width of Voids		LEACH CAP	LIM. ZONE	SUPERGENE		Sample Number	% Cu	% Mo	Estimated Grade	
			L to Core	Passage	Mineralization	Mineralization	Mineralization									
			60- 50 40- Mod	Rd 20 70	2"	97%	chi (tr)	0	10	20	62	99405	.01	.005	10.5	
				5x3	hicks	99.8m±2		0	10	20	67				.05	
			N.C.	60±2	hicks	99.8m±2		0	10	20	85				.05	
								0	10	20	74	99406	.01	.004	10.5	
								0	10	20	60				.05	
			dark chalc	NO	24	7%	bright core	0	10	20	50	99407	.02	.004	10	
				G+	-"	chi (tr)		0	10	20	66%					
								0	10	20	91					
			60- 50- Mod	100	20±1%	2"±1%	ep (tr)±2	0	10	20	40%	99408	.02	.012	.08	
								0	10	20	85					
			50 Mod	35	2"	97%	ca (tr)	0	10	20	100	99409	1.01	.004	.05	
				45	1%	97%		0	10	20	75					
				40±2	1/2-1/4	97%±2		0	10	20	105	99410	.01	.001	.05	
				10	X	10		0	10	20	105					
				40±2	1"±1/2	97%±2		0	10	20	105					
			60 Mod	40	1%	97%	qbs (tr) (avg)	0	10	20	105					
				100	5	100	non	0	10	20	105					

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 3 of 6

ROCK TYPES & ALTERATION			GRAPHIC LOG		FRACTURE ANGLE TO CORE AXIS - FREQUENCY -		ESTIMATED % PYRITE		BOTTOM DEPTHS		ASSAY RESULTS			
			L to Core Foliation	Alteration Feet	Value L to Axis	Width of Zone	Mineralization	% Pyrite	Leach Cap	Estimated Core Thickness in	Sample Number	% Cu	% Mo	Estimated Grade
			60 Pt. 5	55	50	5'	Pyrite	45	0' - 10' 10' - 20' 20' - 30' 30' - 40' 40' - 50' 50' - 60' 60' - 70' 70' - 80' 80' - 90' 90' - 100' 100' - 110' 110' - 120' 120' - 130' 130' - 140' 140' - 150' 150' - 160' 160' - 170' 170' - 180' 180' - 190' 190' - 200' 200' - 210' 210' - 220' 220' - 230' 230' - 240' 240' - 250' 250' - 260' 260' - 270' 270' - 280' 280' - 290' 290' - 300' 300' - 310' 310' - 320' 320' - 330' 330' - 340' 340' - 350' 350' - 360' 360' - 370' 370' - 380' 380' - 390' 390' - 400' 400' - 410' 410' - 420' 420' - 430' 430' - 440' 440' - 450' 450' - 460' 460' - 470' 470' - 480' 480' - 490' 490' - 500' 500' - 510' 510' - 520' 520' - 530' 530' - 540' 540' - 550' 550' - 560' 560' - 570' 570' - 580' 580' - 590' 590' - 600' 600' - 610' 610' - 620' 620' - 630' 630' - 640' 640' - 650' 650' - 660' 660' - 670' 670' - 680' 680' - 690' 690' - 700' 700' - 710' 710' - 720' 720' - 730' 730' - 740' 740' - 750' 750' - 760' 760' - 770' 770' - 780' 780' - 790' 790' - 800' 800' - 810' 810' - 820' 820' - 830' 830' - 840' 840' - 850' 850' - 860' 860' - 870' 870' - 880' 880' - 890' 890' - 900' 900' - 910' 910' - 920' 920' - 930' 930' - 940' 940' - 950' 950' - 960' 960' - 970' 970' - 980' 980' - 990' 990' - 1000' 1000' - 1010' 1010' - 1020' 1020' - 1030' 1030' - 1040' 1040' - 1050' 1050' - 1060' 1060' - 1070' 1070' - 1080' 1080' - 1090' 1090' - 1100' 1100' - 1110' 1110' - 1120' 1120' - 1130' 1130' - 1140' 1140' - 1150' 1150' - 1160' 1160' - 1170' 1170' - 1180' 1180' - 1190' 1190' - 1200' 1200' - 1210' 1210' - 1220' 1220' - 1230' 1230' - 1240' 1240' - 1250' 1250' - 1260' 1260' - 1270' 1270' - 1280' 1280' - 1290' 1290' - 1300' 1300' - 1310' 1310' - 1320' 1320' - 1330' 1330' - 1340' 1340' - 1350' 1350' - 1360' 1360' - 1370' 1370' - 1380' 1380' - 1390' 1390' - 1400' 1400' - 1410' 1410' - 1420' 1420' - 1430' 1430' - 1440' 1440' - 1450' 1450' - 1460' 1460' - 1470' 1470' - 1480' 1480' - 1490' 1490' - 1500' 1500' - 1510' 1510' - 1520' 1520' - 1530' 1530' - 1540' 1540' - 1550' 1550' - 1560' 1560' - 1570' 1570' - 1580' 1580' - 1590' 1590' - 1600' 1600' - 1610' 1610' - 1620' 1620' - 1630' 1630' - 1640' 1640' - 1650' 1650' - 1660' 1660' - 1670' 1670' - 1680' 1680' - 1690' 1690' - 1700' 1700' - 1710' 1710' - 1720' 1720' - 1730' 1730' - 1740' 1740' - 1750' 1750' - 1760' 1760' - 1770' 1770' - 1780' 1780' - 1790' 1790' - 1800' 1800' - 1810' 1810' - 1820' 1820' - 1830' 1830' - 1840' 1840' - 1850' 1850' - 1860' 1860' - 1870' 1870' - 1880' 1880' - 1890' 1890' - 1900' 1900' - 1910' 1910' - 1920' 1920' - 1930' 1930' - 1940' 1940' - 1950' 1950' - 1960' 1960' - 1970' 1970' - 1980' 1980' - 1990' 1990' - 2000' 2000' - 2010' 2010' - 2020' 2020' - 2030' 2030' - 2040' 2040' - 2050' 2050' - 2060' 2060' - 2070' 2070' - 2080' 2080' - 2090' 2090' - 2100' 2100' - 2110' 2110' - 2120' 2120' - 2130' 2130' - 2140' 2140' - 2150' 2150' - 2160' 2160' - 2170' 2170' - 2180' 2180' - 2190' 2190' - 2200' 2200' - 2210' 2210' - 2220' 2220' - 2230' 2230' - 2240' 2240' - 2250' 2250' - 2260' 2260' - 2270' 2270' - 2280' 2280' - 2290' 2290' - 2300' 2300' - 2310' 2310' - 2320' 2320' - 2330' 2330' - 2340' 2340' - 2350' 2350' - 2360' 2360' - 2370' 2370' - 2380' 2380' - 2390' 2390' - 2400' 2400' - 2410' 2410' - 2420' 2420' - 2430' 2430' - 2440' 2440' - 2450' 2450' - 2460' 2460' - 2470' 2470' - 2480' 2480' - 2490' 2490' - 2500' 2500' - 2510' 2510' - 2520' 2520' - 2530' 2530' - 2540' 2540' - 2550' 2550' - 2560' 2560' - 2570' 2570' - 2580' 2580' - 2590' 2590' - 2600' 2600' - 2610' 2610' - 2620' 2620' - 2630' 2630' - 2640' 2640' - 2650' 2650' - 2660' 2660' - 2670' 2670' - 2680' 2680' - 2690' 2690' - 2700' 2700' - 2710' 2710' - 2720' 2720' - 2730' 2730' - 2740' 2740' - 2750' 2750' - 2760' 2760' - 2770' 2770' - 2780' 2780' - 2790' 2790' - 2800' 2800' - 2810' 2810' - 2820' 2820' - 2830' 2830' - 2840' 2840' - 2850' 2850' - 2860' 2860' - 2870' 2870' - 2880' 2880' - 2890' 2890' - 2900' 2900' - 2910' 2910' - 2920' 2920' - 2930' 2930' - 2940' 2940' - 2950' 2950' - 2960' 2960' - 2970' 2970' - 2980' 2980' - 2990' 2990' - 3000' 3000' - 3010' 3010' - 3020' 3020' - 3030' 3030' - 3040' 3040' - 3050' 3050' - 3060' 3060' - 3070' 3070' - 3080' 3080' - 3090' 3090' - 3100' 3100' - 3110' 3110' - 3120' 3120' - 3130' 3130' - 3140' 3140' - 3150' 3150' - 3160' 3160' - 3170' 3170' - 3180' 3180' - 3190' 3190' - 3200' 3200' - 3210' 3210' - 3220' 3220' - 3230' 3230' - 3240' 3240' - 3250' 3250' - 3260' 3260' - 3270' 3270' - 3280' 3280' - 3290' 3290' - 3300' 3300' - 3310' 3310' - 3320' 3320' - 3330' 3330' - 3340' 3340' - 3350' 3350' - 3360' 3360' - 3370' 3370' - 3380' 3380' - 3390' 3390' - 3400' 3400' - 3410' 3410' - 3420' 3420' - 3430' 3430' - 3440' 3440' - 3450' 3450' - 3460' 3460' - 3470' 3470' - 3480' 3480' - 3490' 3490' - 3500' 3500' - 3510' 3510' - 3520' 3520' - 3530' 3530' - 3540' 3540' - 3550' 3550' - 3560' 3560' - 3570' 3570' - 3580' 3580' - 3590' 3590' - 3600' 3600' - 3610' 3610' - 3620' 3620' - 3630' 3630' - 3640' 3640' - 3650' 3650' - 3660' 3660' - 3670' 3670' - 3680' 3680' - 3690' 3690' - 3700' 3700' - 3710' 3710' - 3720' 3720' - 3730' 3730' - 3740' 3740' - 3750' 3750' - 3760' 3760' - 3770' 3770' - 3780' 3780' - 3790' 3790' - 3800' 3800' - 3810' 3810' - 3820' 3820' - 3830' 3830' - 3840' 3840' - 3850' 3850' - 3860' 3860' - 3870' 3870' - 3880' 3880' - 3890' 3890' - 3900' 3900' - 3910' 3910' - 3920' 3920' - 3930' 3930' - 3940' 3940' - 3950' 3950' - 3960' 3960' - 3970' 3970' - 3980' 3980' - 3990' 3990' - 4000' 4000' - 4010' 4010' - 4020' 4020' - 4030' 4030' - 4040' 4040' - 4050' 4050' - 4060' 4060' - 4070' 4070' - 4080' 4080' - 4090' 4090' - 4100' 4100' - 4110' 4110' - 4120' 4120' - 4130' 4130' - 4140' 4140' - 4150' 4150' - 4160' 4160' - 4170' 4170' - 4180' 4180' - 4190' 4190' - 4200' 4200' - 4210' 4210' - 4220' 4220' - 4230' 4230' - 4240' 4240' - 4250' 4250' - 4260' 4260' - 4270' 4270' - 4280' 4280' - 4290' 4290' - 4300' 4300' - 4310' 4310' - 4320' 4320' - 4330' 4330' - 4340' 4340' - 4350' 4350' - 4360' 4360' - 4370' 4370' - 4380' 4380' - 4390' 4390' - 4400' 4400' - 4410' 4410' - 4420' 4420' - 4430' 4430' - 4440' 4440' - 4450' 4450' - 4460' 4460' - 4470' 4470' - 4480' 4480' - 4490' 4490' - 4500' 4500' - 4510' 4510' - 4520' 4520' - 4530' 4530' - 4540' 4540' - 4550' 4550' - 4560' 4560' - 4570' 4570' - 4580' 4580' - 4590' 4590' - 4600' 4600' - 4610' 4610' - 4620' 4620' - 4630' 4630' - 4640' 4640' - 4650' 4650' - 4660' 4660' - 4670' 4670' - 4680' 4680' - 4690' 4690' - 4700' 4700' - 4710' 4710' - 4720' 4720' - 4730' 4730' - 4740' 4740' - 4750' 4750' - 4760' 4760' - 4770' 4770' - 4780' 4780' - 4790' 4790' - 4800' 4800' - 4810' 4810' - 4820' 4820' - 4830' 4830' - 4840' 4840' - 4850' 4850' - 4860' 4860' - 4870' 4870' - 4880' 4880' - 4890' 4890' - 4900' 4900' - 4910' 4910' - 4920' 4920' - 4930' 4930' - 4940' 4940' - 4950' 4950' - 4960' 4960' - 4970' 4970' - 4980' 4980' - 4990' 4990' - 5000' 5000' - 5010' 5010' - 5020' 5020' - 5030' 5030' - 5040' 5040' - 5050' 5050' - 5060' 5060' - 5070' 5070' - 5080' 5080' - 5090' 5090' - 5100' 5100' - 5110' 5110' - 5120' 5120' - 5130' 5130' - 5140' 5140' - 5150' 5150' - 5160' 5160' - 5170' 5170' - 5180' 5180' - 5190' 5190' - 5200' 5200' - 5210' 5210' - 5220' 5220' - 5230' 5230' - 5240' 5240' - 5250' 5250' - 5260' 5260' - 5270' 5270' - 5280' 5280' - 5290' 5290' - 5300' 5300' - 5310' 5310' - 5320' 5320' - 5330' 5330' - 5340' 5340' - 5350' 5350' - 5360' 5360' - 5370' 5370' - 5380' 5380' - 5390' 5390' - 5400' 5400' - 5410' 5410' - 5420' 5420' - 5430' 5430' - 5440' 5440' - 5450' 5450' - 5460' 5460' - 5470' 5470' - 5480' 5480' - 5490' 5490' - 5500' 5500' - 5510' 5510' - 5520' 5520' - 5530' 5530' - 5540' 5540' - 5550' 5550' - 5560' 5560' - 5570' 5570' - 5580' 5580' - 5590' 5590' - 5600' 5600' - 5610' 5610' - 5620' 5620' - 5630' 5630' - 5640' 5640' - 5650' 5650' - 5660' 5660' - 5670' 5670' - 5680' 5680' - 5690' 5690' - 5700' 5700' - 5710' 5710' - 5720' 5720' - 5730' 5730' - 5740' 5740' - 5750' 5750' - 5760' 5760' - 5770' 5770' - 5780' 5780' - 5790' 5790' - 5800' 5800' - 5810' 5810' - 5820' 5820' - 5830' 5830' - 5840' 5840' - 5850' 5850' - 5860' 5860' - 5870' 5870' - 5880' 5880' - 5890' 5890' - 5900' 5900' - 5910' 5910' - 5920' 5920' - 5930' 5930' - 5940' 5940' - 5950' 5950' - 5960' 5960' - 5970' 5970' - 5980' 5980' - 5990' 5990' - 6000' 6000' - 6010' 6010' - 6020' 6020' - 6030' 6030' - 6040' 6040' - 6050' 6050' - 6060' 6060' - 6070' 6070' - 6080' 6080' - 6090' 6090' - 6100' 6100' - 6110' 6110' - 6120' 6120' - 6130' 6130' - 6140' 6140' - 6150' 6150' - 6160' 6160' - 6170' 6170' - 6180' 6180' - 6190' 6190' - 6200' 6200' - 6210' 6210' - 6220' 6220' - 6230' 6230' - 6240' 6240' - 6250' 6250' - 6260' 6260' - 6270' 6270' - 6280' 6280' - 6290' 6290' - 6300' 6300' - 6310' 6310' - 6320' 6320' - 6330' 6330' - 6340' 6340' - 6350' 6350' - 6360' 6360' - 6370' 6370' - 6380' 6380' - 6390' 6390' - 6400' 6400' - 6410' 6410' - 6420' 6420' - 6430' 6430' - 6440' 6440' - 6450' 6450' - 6460' 6460' - 6470' 6470' - 6480' 6480' - 6490' 6490' - 6500' 6500' - 6510' 6510' - 6520' 6520' - 6530' 6530' - 6540' 6540' - 6550' 6550' - 6560' 6560' - 6570' 6570' - 6580' 6580' - 6590' 6590' - 6600' 6600' - 6610' 6610' - 6620' 6620' - 6630' 6630' - 6640' 6640' - 6650' 6650' - 6660' 6660' - 6670' 6670' - 6680' 6680' - 6690' 6690' - 6700' 6700' - 6710' 6710' - 6720' 6720' - 6730' 6730' - 6740' 6740' - 6750' 6750' - 6760' 6760' - 6770' 6770' - 6780' 6780' - 6790' 6790' - 6800' 6800' - 6810' 6810' - 6820' 6820' - 6830' 6830' - 6840' 6840' - 6850' 6850' - 6860' 6860' - 6870' 6870' - 6880' 6880' - 6890' 6890' - 6900' 6900' - 6910' 6910' - 6920' 6920' - 6930' 6930' - 6940' 6940' - 6950' 6950' - 6960' 6960' - 6970' 6970' - 6980' 6980' - 6990' 6990' - 7000' 7000' - 7010' 7010' - 7020' 7020' - 7030' 7030' - 7040' 7040' - 7050' 7050' - 7060' 7060' - 7070' 7070' - 7080' 7080' - 7090' 7090' - 7100' 7100' - 7110' 7110' - 7120' 7120' - 7130' 7130' - 7140' 7140' - 7150' 7150' - 7160' 7160' - 7170' 7170' - 7180' 7180' - 7190' 7190' - 7200' 7200' - 7210' 7210' - 7220' 7220' - 7230' 7230' - 7240' 7240' - 7250' 7250' - 7260' 7260' - 7270' 7270' - 7280' 7280' - 7290' 7290' - 7300' 7300' - 7310' 7310' - 7320' 7320' - 7330' 7330' - 7340' 7340' - 7350' 7350' - 7360' 7360' - 7370' 7370' - 7380' 7380' - 7390' 7390' - 7400' 7400' - 7410' 7410' - 7420' 7420' - 7430' 7430' - 7440' 7440' - 7450' 7450' - 7460' 7460' - 7470' 7470' - 7480' 7480' - 7490' 7490' - 7500' 7500' - 7510' 7510' - 7520' 7520' - 7530' 7530' - 7540' 7540' - 7550' 7550' - 7560' 7560' - 7570' 7570' - 7580' 7580' - 7590' 7590' - 7600' 7600' - 7610' 7610' - 7620' 7620' - 7630' 7630' - 7640' 7640' - 7650' 7650' - 7660' 7660' - 7670' 7670' - 7680' 7680' - 7690' 7690' - 7700' 7700' - 7710' 7710' - 7720' 772					

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 4 of 4

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 5 of 6

ROCK TYPES & ALTERATION		L. to Core	Graphic Log	Value L. to Axis	Width of Vane	Alteration	Fracture Angle to Core Axis -FREQUENCY-	Estimated % PIRITE	Bottom Depths		Calculated Core Recovery %	200	Assay Results					
									Leach Cap	LIM. ZONE	SUPERSENE		Remarks	Sample number	% Cu	% Mo	Estimated Grade	
		40	Pyrite	250	10	Py	0° - 10°	1.0				245		10	99452	.19	.009	.24
		40	Pyrite	260	10	Py	0° - 10°	1.5				245		10	99452	.16	.009	.15
		40	Pyrite	270	10	Py	0° - 10°	1.5				245		10	99452	.23	.007	.10
		40	Pyrite	280	10	Py	0° - 10°	1.5				245		10	99452	.26	.022	.12
		40	Pyrite	290	10	Py	0° - 10°	1.5				245		10	99452	.62	.028	.40
		40	Pyrite	300	10	Py	0° - 10°	1.5				245		10	99452	1.17	.028	.50

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-17
SHEET No. 6 of 6

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 94-19
SHEET No. 1 of 2

LOCATION GRANITE LAKE
DATE COLLARED JUN 12 1984
DATE COMPLETED JUL 20 1984

SCARING -
LENGTH 182
DIP - 90°

LATITUDE 45°20'47.38 N
LONGITUDE 54°15'58.85 E
ELEVATION 3932.42

COMB SIZE N.Q.W.
SCALE OF LOG 1" = 10'

LOGGED IN G.D.B.
DATE July 3, 1994

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-14
SHEET No. 2 of 2

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-20
SHEET No. 1 of 3

LOCATION GRANITE LAKE
DATE COLLARED JUNE 20, 1984
DATE COMPLETED JUNE 20, 1984

SCARS: _____
LENGTH: 183'
DIP: -90°

LATITUDE 45,233.17 N
LONGITUDE 53,917.176
ELEVATION 3932.14'

SCHEMATIC DRAWING
SHEET NO. 1 OF 1
NAME: W. H. GRIFFITH
COMPANY: THE BROWN & SHARPE MANUFACTURING COMPANY
ADDRESS: PROVIDENCE, R. I.
PHONE: WATERFORD 2-1212
DATE: APRIL 1, 1942
CONE SIZE N.G.W.
SCALE OF LOG 1" = 10'
REMARKS 1/2" dia. discarded at 2"

Accessed on G.D.B.
Date July 2, 1984
Page 1 of 9 (see remarks)

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 54-20
SHEET No. 2 of 3

ROCK TYPES & ALTERATION			GRAPHIC LOG		Mineralization		FRACTURE ANGLE TO CORE AXIS	ESTIMATED % PHASE	BOTTOM DEPTHS		Froth Bleeding	Estimated Core Recovery %	R O D	ASSAY RESULTS				
			L in Core	Faults	Mineralization	Features	-FREQUENCY-		LEACH CAP	LIM. ZONE	SUPERBENE			Sample Number	% Cu	% Mo	Estimated Grade	
			Feet	Alteration	Mineralization	Mineralization												
			20	20	20	20	10	10	10	10	10	60	3	99444	.07	.001	.18	
		127	ND	45	3"	20	10	10	10	10	10	127	50	0	99445	.21	.009	?
			130	"	3"	lost core and frags under 2" dia.	10	10	10	10	10	134	30	0	99446	.16	.003	?
	MAJOR FAULT ZONE	(127-168)	60'	40	4"	"solid" 99	10	10	10	10	10	142	15	0	99446	.16	.003	?
			140	1	12"	qtz-sch-calc-sq (cn)	10	10	10	10	10	146	20	0	99447	.15	.003	?
			50	"	10"	lost core and frags under 2" dia.	10	10	10	10	10	151	15	0	99447	.15	.003	?
			162	"	10"	lost core and frags under 2" dia.	10	10	10	10	10	157	40	0	99448	.54	.019	3770
			?	"	3"	"solid" 99	10	10	10	10	10	164	20	0	99448	.54	.019	?
			168	?"	4"	lost core and frags under 2" dia.	10	10	10	10	10	167	30	0	99449	.16	.009	?
	MINE PHASE	(168-185)	170	30	2"	qtz-sq-cp	10	10	10	10	10	175	50	0	99449	.16	.009	?
			ND	20	2"	qtz-calc-sq (cn)	10	10	10	10	10	177	70					.10
			180	20	4"	99	10	10	10	10	10	179						

GRID _____

GIBRALTAR MINES LTD.

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

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 24-21
SHEET No 1 of 5

LOCATION: GRIK Pt. - East Wall
DATE COLLARED: June 21, 1984
DATE COMPLETED: June 22, 1984

BEARING 0°
LENGTH 300'
DIP -90°

LATITUDE 46° 6' 53.32" N
LONGITUDE 59° 12' 29.77" E
ELEVATION 3990.51'

CORE SITE N-Q Wireline
SCALE OF LOG 1" = 10'
REMARKS Bad Ground - Poor recoveries. low T

Accessed at MPS
Date July 5, 1984

LOCATION CPMK Pit - East Wall			BEARING 0°	LATITUDE 46665.32 N	CORE SIZE N.Q. Wireline	LOCATED IN MFS					
DATE COLLECTED June 21, 1984			LENGTH 300'	DEPTH 59129.77' G	SCALE OF LOG 1"=10'	DATE TAKEN July 5, 1984					
DATE COMPLETED June 22, 1984			DIP -90°	ELEVATION 3990.51'	REMARKS Red Searched - Poor Headings, low RQD's						
ROCK TYPES & ALTERATION			GRAPHIC LOG	Bottom Depths	ASSAY RESULTS						
			L to Core Fallouts Fossils Alteration Fracture Structures	Leach Cap Lim. Zone Supergene	Estimated % Pyrite	Core Recovery %	R Q D	Sample Number	% Cu	% Mo	Estimate Grade
					0						
				10	10						
				20	20						
				30	30						
				40	40						
				50	50						
				60	60						
				70	70						
				80	80						
				90	90						
				100	100						
				110	110						
				120	120						
				130	130						
				140	140						
				150	150						
				160	160						
				170	170						
				180	180						
				190	190						
				200	200						
				210	210						
				220	220						
				230	230						
				240	240						
				250	250						
				260	260						
				270	270						
				280	280						
				290	290						
				300	300						
				310	310						
				320	320						
				330	330						
				340	340						
				350	350						
				360	360						
				370	370						
				380	380						
				390	390						
				400	400						
				410	410						
				420	420						
				430	430						
				440	440						
				450	450						
				460	460						
				470	470						
				480	480						
				490	490						
				500	500						
				510	510						
				520	520						
				530	530						
				540	540						
				550	550						
				560	560						
				570	570						
				580	580						
				590	590						
				600	600						
				610	610						
				620	620						
				630	630						
				640	640						
				650	650						
				660	660						
				670	670						
				680	680						
				690	690						
				700	700						
				710	710						
				720	720						
				730	730						
				740	740						
				750	750						
				760	760						
				770	770						
				780	780						
				790	790						
				800	800						
				810	810						
				820	820						
				830	830						
				840	840						
				850	850						
				860	860						
				870	870						
				880	880						
				890	890						
				900	900						
				910	910						
				920	920						
				930	930						
				940	940						
				950	950						
				960	960						
				970	970						
				980	980						
				990	990						
				1000	1000						
				1010	1010						
				1020	1020						
				1030	1030						
				1040	1040						
				1050	1050						
				1060	1060						
				1070	1070						
				1080	1080						
				1090	1090						
				1100	1100						
				1110	1110						
				1120	1120						
				1130	1130						
				1140	1140						
				1150	1150						
				1160	1160						
				1170	1170						
				1180	1180						
				1190	1190						
				1200	1200						
				1210	1210						
				1220	1220						
				1230	1230						
				1240	1240						
				1250	1250						
				1260	1260						
				1270	1270						
				1280	1280						
				1290	1290						
				1300	1300						
				1310	1310						
				1320	1320						
				1330	1330						
				1340	1340						
				1350	1350						
				1360	1360						
				1370	1370						
				1380	1380						
				1390	1390						
				1400	1400						
				1410	1410						
				1420	1420						
				1430	1430						
				1440	1440						
				1450	1450						
				1460	1460						
				1470	1470						
				1480	1480						
				1490	1490						
				1500	1500						
				1510	1510						
				1520	1520						
				1530	1530						
				1540	1540						
				1550	1550						
				1560	1560						
				1570	1570						
				1580	1580						
				1590	1590						
				1600	1600						
				1610	1610						
				1620	1620						
				1630	1630						
				1640	1640						
				1650	1650						
				1660	1660						
				1670	1670						
				1680	1680						
				1690	1690						
				1700	1700						
				1710	1710						
				1720	1720						
				1730	1730						
				1740	1740						

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 84-21
SHEET No. 2 of 5

ROCK TYPES & ALTERATION			GRAPHIC LOG		FRACTURE ANGLE TO CORE AXIS		ESTIMATED PERCENT	BOTTOM DEPTHS			Cumulative Core Recovery %	P.O.D.	ASSAY RESULTS				
			L to Core	Folded	Value L to Axis	Worth of Value	Unreliable	LEACH CAP	LIM. ZONE	SUPERSONIC	REMARKS		Sample number	% Cu	% Mo	Estimated Grade	
			10°		9/16	gne - dd - py - lim.		0.00				92					
			20°		1/20	gtc - dd - py		10.00				85	37%				.60
			30°		1/20 + 1/10	gtc - dd - py - upcrz		20.00				87%	48%				2905
			40°		1/20	gtc - dd - ap		30.00									.13?
			50°		1/20	gtc - dd - py - cp - cc		40.00									
			60°		1/20	gtc - dd - py - clin		50.00									
			70°		1/20			60.00									
			80°		1/20			70.00									
			90°		1/20			80.00									
			100°		1/20			90.00									
			110°		1/20			100.00									
			120°		1/20			110.00									
			130°		1/20			120.00									
			140°		1/20			130.00									
			150°		1/20			140.00									
			160°		1/20			150.00									
			170°		1/20			160.00									
			180°		1/20			170.00									
			190°		1/20			180.00									
			200°		1/20			190.00									
			210°		1/20			200.00									
			220°		1/20			210.00									
			230°		1/20			220.00									
			240°		1/20			230.00									
			250°		1/20			240.00									
			260°		1/20			250.00									
			270°		1/20			260.00									
			280°		1/20			270.00									
			290°		1/20			280.00									
			300°		1/20			290.00									
			310°		1/20			300.00									
			320°		1/20			310.00									
			330°		1/20			320.00									
			340°		1/20			330.00									
			350°		1/20			340.00									
			360°		1/20			350.00									
			370°		1/20			360.00									
			380°		1/20			370.00									
			390°		1/20			380.00									
			400°		1/20			390.00									
			410°		1/20			400.00									
			420°		1/20			410.00									
			430°		1/20			420.00									
			440°		1/20			430.00									
			450°		1/20			440.00									
			460°		1/20			450.00									
			470°		1/20			460.00									
			480°		1/20			470.00									
			490°		1/20			480.00									
			500°		1/20			490.00									
			510°		1/20			500.00									
			520°		1/20			510.00									
			530°		1/20			520.00									
			540°		1/20			530.00									
			550°		1/20			540.00									
			560°		1/20			550.00									
			570°		1/20			560.00									
			580°		1/20			570.00									
			590°		1/20			580.00									
			600°		1/20			590.00									
			610°		1/20			600.00									
			620°		1/20			610.00									
			630°		1/20			620.00									
			640°		1/20			630.00									
			650°		1/20			640.00									
			660°		1/20			650.00									
			670°		1/20			660.00									
			680°		1/20			670.00									
			690°		1/20			680.00									
			700°		1/20			690.00									
			710°		1/20			700.00									
			720°		1/20			710.00									
			730°		1/20			720.00									
			740°		1/20			730.00									
			750°		1/20			740.00									
			760°		1/20			750.00									
			770°		1/20			760.00									
			780°		1/20			770.00									
			790°		1/20			780.00									
			800°		1/20			790.00									
			810°		1/20			800.00									
			820°		1/20			810.00									
			830°		1/20			820.00									
			840°		1/20			830.00									
			850°		1/20			840.00									
			860°		1/20			850.00									
			870°		1/20			860.00									
			880°		1/20			870.00									
			890°		1/20			880.00									
			900°		1/20			890.00									
			910°		1/20			900.00									
			920°		1/20			910.00									
			930°		1/20			920.00									
			940°		1/20			930.00									
			950°		1/20			940.00									
			960°		1/20			950.00									
			970°		1/20			960.00									
			980°		1/20			970.00									
			990°		1/20			980.00									

GRID

GIBRALTAR MINES LTD.

HOLE No. 94-21
SHEET No. 1 of 5

G.R.D.

GIBRALTAR MINES - 113

POLY
SHEET

ROCK TYPES & ALTERATION	L. & C. P. FOLIATION	GRAPHIC LOG	ALTERATION INDEX	VHN L. & C. CAP. A.H.	W.H.N. L. & C. CAP. A.H.	MINERALS	FRACTURE ANGLE TO CORE AXIS - FREQUENCY -	ESTIMATED MINERAL TYPE	MINERALOGY			P.D.D.	Sample number	ASSEMBLY			Estimated Grade
									L.EACAP	CORE ROCK	PERCENT RECOVERY	%		Cu	Ni		
				45°	1/16	gfe-cub-dl-cpx cpx-hem. st-cpx-py	Q101 101 2011 301110 4011 5011 6011 7011 8011 9011			ep stringers & blobs	205	76%	30%	99350	.15	.006	.2%
				20°	1/16	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				210	83%					
				30°	1/16	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				212						
				40°	1/16	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				217	81%	42%	33813	.10	.010	.12b
				50°	1/16	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				220	77%					
				60°	1/20	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				223						
229-229'				70°	1/20	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				230						
DK Alt. Phase min. in chl				80°	1/20	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				232	30%	33819	.20	.016	.182	
229-229' chl				90°	1/20	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				234	90%					
? 229-229' chl Rough surface looks a mossy lt. green Few zones of dk reddish 229-229' - L. & C. cap.				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				237	70%					
				10°	3/10	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				237	80%	20%	33815	.49	.010	.197
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				242	50%					
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				246	80%	10%	33816	.19	.014	.07
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				251	50%					
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				257						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				261						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				267						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				273						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				277						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				281						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				287						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				291						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				297						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				301						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				307						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				313						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				319						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				325						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				331						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				337						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				343						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				349						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				355						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				361						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				367						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				373						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				379						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				385						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				391						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				397						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				403						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				409						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				415						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				421						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				427						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				433						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				439						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				445						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				451						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				457						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				463						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				469						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				475						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				481						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				487						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111				493						
				10°	1/4	gfe-cpx-cpx-py	10111 20111 30111 40111 50111 60111 70111 80111 90111										

GRID

GIBRALTAR MINES LTD.

HOLE NO. 842
SHEET NO. 5 OF 15

GRID _____

GIBRALTAR MINES LTD.

MOLE No. 84-22
SHEET No. 1 of 3

LOCATION GRANITE LAKE
DATE COLLECTED JUNE 22, 1984
DATE COMPLETED JUNE 22, 1984

BEARING _____
LENGTH 140
DIP -90°

Latitude 46° 34' 96 N
Temperature 54.992.36 E
Elevation 3974.06'

CORE SIZE N.G.W. 6
SCALE OF LOG 1' = 10' 00
REMARKS Hole abandoned at 140' in

ACCO no. G.D.B.'S MRS.
re July 5, 1984

GRID _____

GIBRALTAR MINES LTD.

HOLE No. 24-71
SHEET No. 3 of 3

GRID

GIBRALTAR MINES LTD.

HOLE NO. 84-22
SHEET NO. 3 of 3

GRID _____

GIBRALTAR MINES LTD.

LOCATION GRANITE LAKE - NE
DATE COLLARED June 22 '88
DATE COMPLETED July 22 '88

BEARING 80°
LENGTH 296'
DIP -90

LATITUDE 46,504.86 N
DEPARTURE 54,618.57 F
ELEVATION 4,012.55'

HOLE No. 89-23
SHEET NO. 1 of 5

LOGGED BY MPS
DATE July 11, 1984

GRID

GIBRALTAR MINES LTD.

HOLE NO 84-23

SHEET NO. 2 OF 5

GRID

GIBRALTAR MINES LTD.

HOLE No. 84-23

SHEET NO. 3 of 5

ROCK TYPES & ALTERATION			GRAPHIC LOG			FRACTURE ANGLE TO CORE AXIS - FREQUENCY -			ESTIMATED PYRITE %			BOTTOM DEPTHS			Estimated Core Recovery %	R O D	ASSAY RESULTS				
			110°	118	gtz-ser-chl-py-(ep)-cc	0°	LEACH CAP	Bottom Depth	Sample Number	% Cu	% Mo										
			80°	1/2	gtz-chl (open-space filling)	10+++ II	LIM. ZONE	Log													
			50°	1/1	gtz-chl	20+++ II	SUPERGENE	Log													
			10°	1/16	gtz-chl-py-lim	30+++ I	REMARKS	Log													
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	15°	1/8	gtz-ser-chl-py-(ep)-(cc)	40+++ II	2%	Abundant Epidote open space filling gtz-chl	70% 85% 128	38% 138	99362	.06 4.01 ox	.009	.18%								
		15°	1/16	gtz-ser-chl-py-(ep)-(cc)	50+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	15°	1/16	gtz-ser-chl-py-(ep)-(cc)	60+++ II	17%	84% 133 1/2	60% 140	99363	.07 2.01 ox	.009	.03%									
		15°	1/16	gtz-chl	70+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py	80+++ II	1%	cc coats py / not ep	144	40% 149 1/2	99364	.10 2.01 ox	.002	.19%								
		10°	1/16	gtz-chl-py-lim-cc	90+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py-cc	10+++ II	1%	cc coats py / not ep	149 1/2	82%	150											
		10°	1/16	gtz-chl-py-lim-cc	20+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-ser-chl-py-lim-cc	30+++ II	1%	Leucocratic Dyke cut by 2 gtz-chl-py	157	50% 160	99365	.09 .02 ox	.002	.3860	.19%							
		10°	1/16	gtz-chl-py-cc	40+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py-cc	50+++ II	1%	Leucocratic Dyke gtz-chl-py Vein	160	87%	160											
		10°	1/16	gtz-chl-py-cc	60+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py-cc	70+++ II	1%	Leucocratic Dyke gtz-chl-py Vein	167	88%	170											
		10°	1/16	gtz-chl-py-cc	80+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py-cc	90+++ II	1%	Leucocratic Dyke gtz-chl-py Vein	177	68%	170											
		10°	1/16	gtz-chl-py-cc	100+++ II																
126-176 Sans Alt H Mine Phase A.D. w/ few narrow zones of OK Alt w/ py. ep stringers.	N.D.	10°	1/16	gtz-chl-py-cc	110+++ II	1%	Leucocratic Dyke gtz-chl-py Vein	180	90%	180											
		10°	1/16	gtz-chl-py-cc	120+++ II																

(ep) stringers in
OK Alt or

GRID

GIBRALTAR MINES LTD.

HOLE No. 84-23
SHEET No. 1 of 5

GRID

GIBRALTAR MINES LTD.

HOLE NO. 84-23
SHEET NO. 5 of 5

GRID _____

GIBRALTAR MINES LTD.

LOCATION GRANITE LAKE
DATE COLLARED JUNE 18, 1984
DATE COMPLETED JULY 19, 1984

BEARING 0°
LENGTH 235'
DIP -90°

LATITUDE 45,089.78 N
DEPARTURE 53,563.24 E
ELEVATION 3959.74

CORE SIZE N.Q.W.
SCALE OF LOG 1" = 10'

SCALE OF LOG 1" = 10'

LOGGED IN G.D.B.

DATE July 3, 1984

REMARKS hole abandoned at 235' due to no return water

GRID

GIBRALTAR MINES LTD.

HOLE No. 84-18
SHEET NO. 2 of 4

ROCK TYPES & ALTERATION			GRAPHIC LOG		FRACTURE ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	BOTTOM DEPTHS			Estimated Core Recovery %	200	ASSAY RESULTS				
			L to Core	Alteration			LEACH CAP	LIM. ZONE	SUPERGENE			Sample Number	% Cu	% Mo	Estimated Grade	
			Collects	Veins												
			Collects	Veins												
		small fault			0	2.5	0	10	20	60	0	99530	.04	.002	.04	
					100		0	10	20	90					3860	
		102'		20 x 1 + 20 x 30	102' - 2		0	10	20	85						
		MAJOR FAULT ZONE (102-144')		5	3'	99 - br - new	0	10	20	105	0	99521	.01	.006	.05	
		zone of broken		30	2'	99 - br	0	10	20	40						
		gritty core ana narrow gritty seams - core frags all under 2" dia.			60		0	10	20	112						
					90		0	10	20	118	30	0	99522	.03	.002	.05
					120		0	10	20	125						
					130		0	10	20	130	15	0	99523	.07	.008	.05
					140		0	10	20	135						
					140		0	10	20	140	20					
					144'		0	10	20	143	25	0	99524	.21	.009	.14
	MINE PHASE	(144-185')	45 Mod	20x3	1/2 x 3	qtz-chl(cp) x 3	0	10	20	143	80	0	99525	.19	.006	.09
		(Saus. Altin Phase)	150	55	1/2	qtz-cp	0	10	20	147½	20					.18
							0	10	20	143	80	0	99526			

GRID

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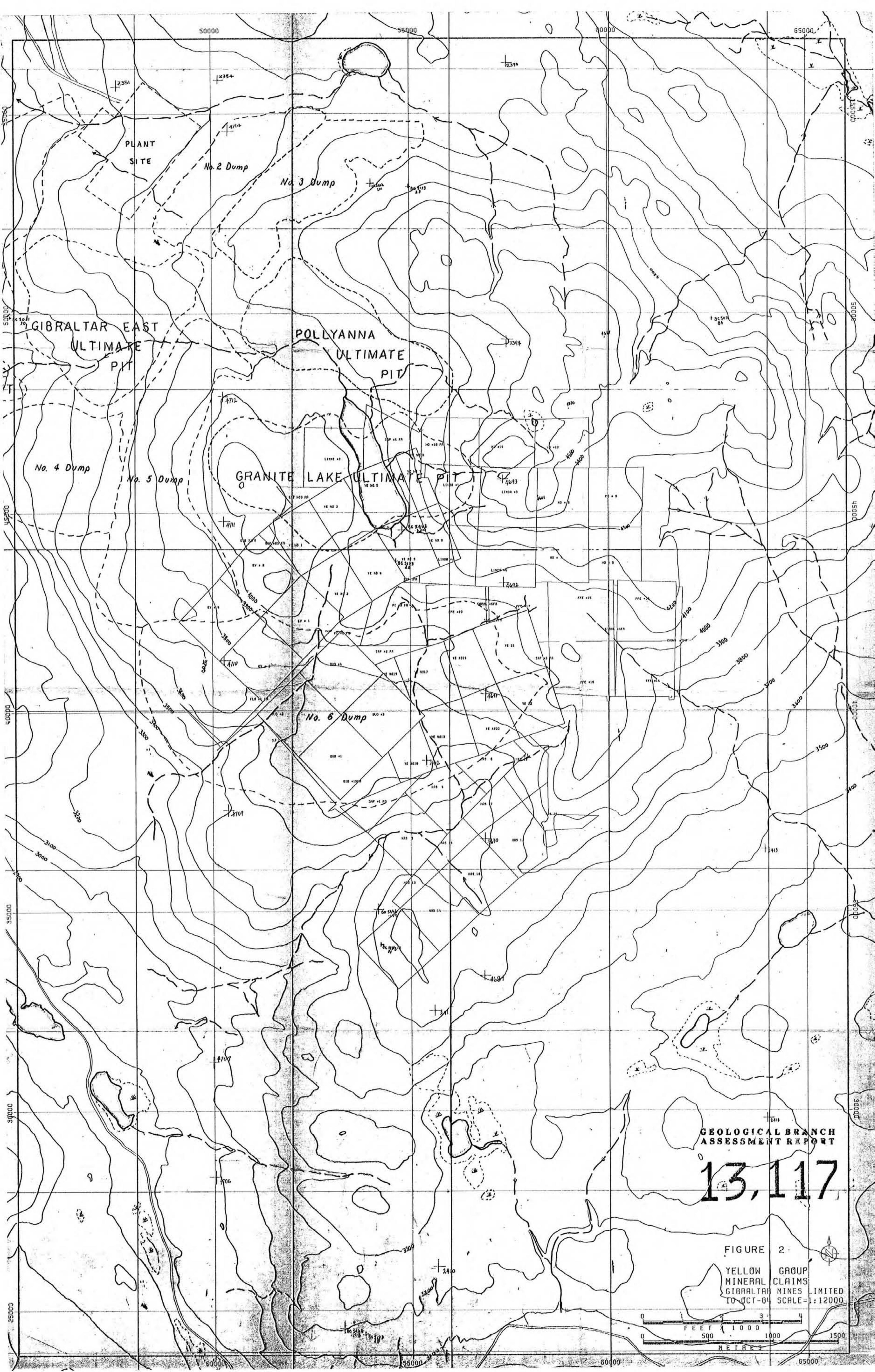
ROCK TYPES & ALTERATION			GRAPHIC LOG			FRACTURE ANGLE TO CORE AXIS - FREQUENCY -	ESTIMATED % PYRITE	BOTTOM DEPTHS			Core Recovery %	R O D	ASSAY RESULTS					
			L to Core Bottom	Bottom Alteration	Pyrite Stabilizer			Leach Cap	LIM. ZONE	SUPERGENE			Footage Below	Sample Number	% Cu	% Mo	Estimated Grade	
			Yds	Yds	Yds			0	10	20			155	40	99536	.23 .014	.30	
			45	45	45			30	40	50			75					
			50-60 Nod	45	30	160	5	45	50	60	70	80	90					
			60+50	60	30	170	12"	60+50	70	80	90	100	110	95	23	99537	.16 .002	.16
			50	45	45	180	12"	50	60	70	80	90	100	165				
			50 Nod	45	30	185	5"	45	50	60	70	80	90	80	10	99538	.21 .002	.25
		FAULT ZONE (185-212)	(185-212)	20	5	190	14"	20	25	30	35	40	45	174 1/2	0	99539	.26 .060	.21
			- broken gouge core and minor gouge seams - over 80% of frags are uncrushed 2" dia. - this may be a small steep fault with a wide shatter zone.	15	5	200	3"	15	20	25	30	35	40	85	0	99540	.37 .018	?
				15	5	210	-	15	20	25	30	35	40	70	0	99541	.25 .008	?

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HOLE No. 84-18

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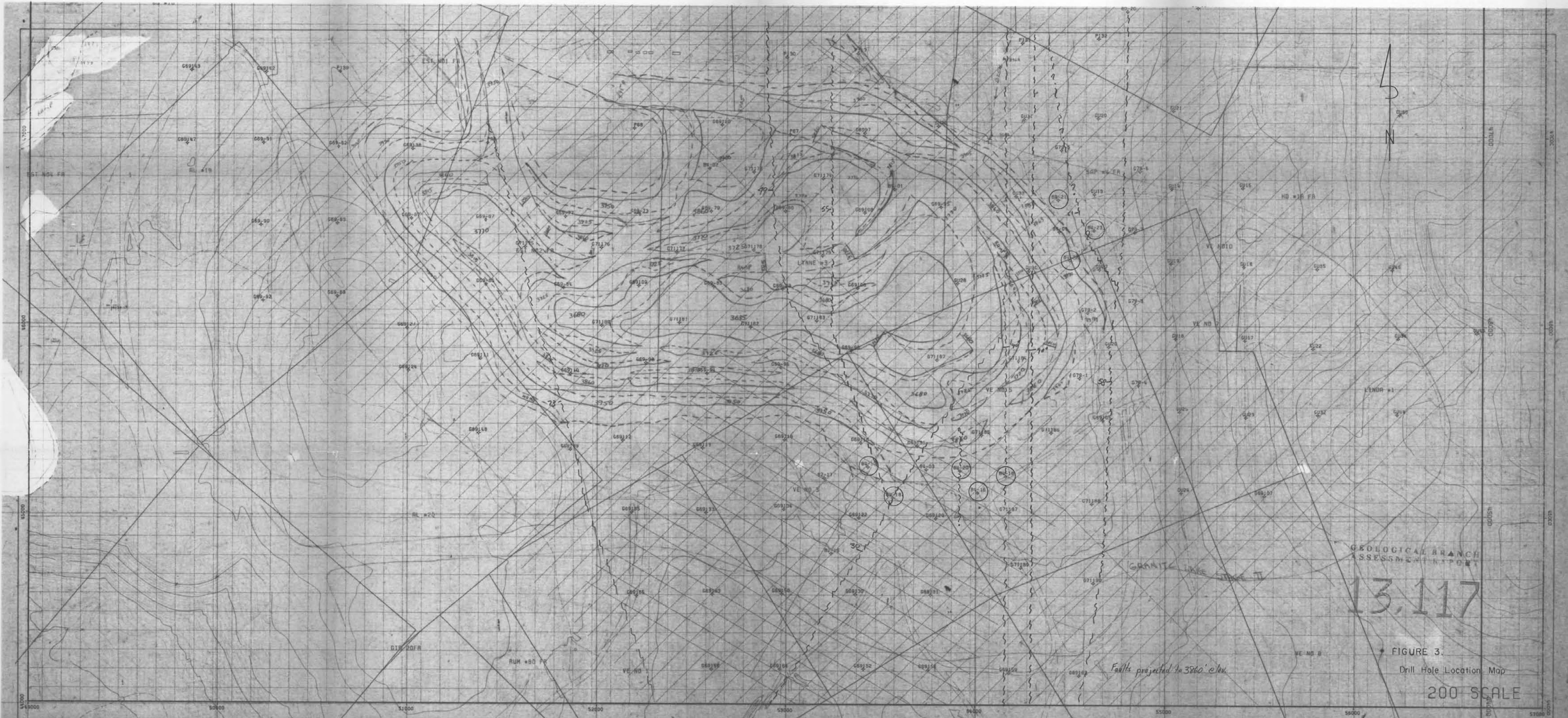


FIGURE 3.
Drill Hole Location Map
200 SCALE