DIAMOND DRILL REPORT

ON THE

ZE 1 GROUP

ZE 4 CLAIM

CARIBOO MINING DIVISION

93 B/9W (Latitude 52 deg 85), Longitude 122 deg 17')

FILMED

OWNER AND OPERATOR GIBRALTAR MINES LIMITED MCLEESE LAKE, B.C.

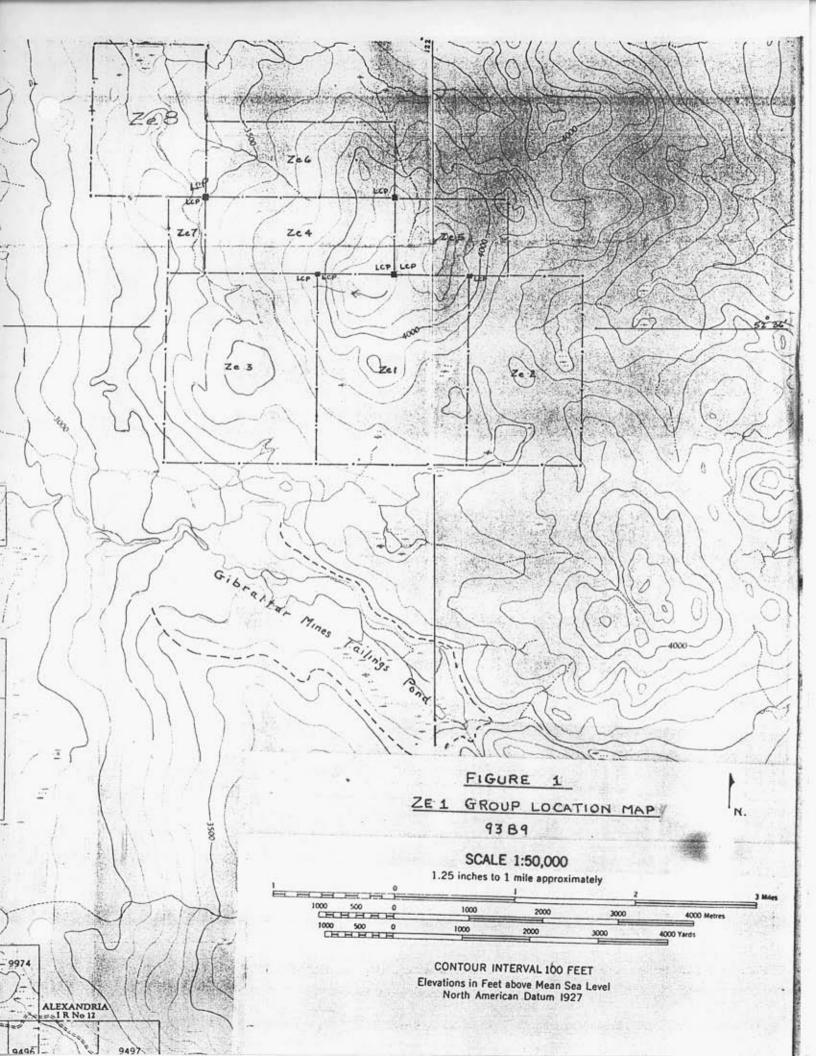
GEOLOGICAL BRANCH ASSESSMENT PEPORT

15,019

Author: G. D. Bysouth

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	Drill Log: Hole 86-62	



1 INTRODUCTION

The Ze Group lies about 6.5 km. north of the Gibraltar Mines plantsite at an elevation of 3300 to 4400 feet. The claims cover a series of low rocky hills separated by broad tracts of poorly drained ground. Access is via a network of logging and exploration roads which link up with the Gibraltar Mines tailings pond road just north of the pond. General location of the claims is shown in Figure 1.

Available evidence indicates the Ze Group is underlain by a sequence of green volcanic rocks, consisting mainly of andesitic flows and associated pyroclastics, and a series of sedimentary rocks, consisting of various greywackes, calcareous siltstones, and graphitic schist. The graphitic rocks were discovered during the drilling of several I.P. targets in 1978 and 1981. Another drill program was conducted during June and July of 1985 to test several gold anomalies developed in soils overlying the graphitic rocks. This drilling revealed the graphitic unit also contained abundant pyrite mineralization of possible syngenetic origin.*

This report deals with a second 1985 drill program aimed at testing the extent and character of the sulfide mineralization. Three vertical N.Q. diamond drill holes totalling 1,519 feet (463.2 meters) were completed during the period September 14 to September 27 by G & D Diamond Drilling of Kamloops, B.C. The core from two of the holes was assayed for gold. It was not split but sent in whole for analysis in order to reduce error. However, for each ten foot section, a segment of core was retained and stored at Gibraltar Mines for future reference.

- * Assessment Reports by G. D. Bysouth
 - Percussion Drilling Report, Ze Mineral Claims, July 1978
 - 2. Diamond Drill Report, Ze Group, July, 1981
 - 3. Diamond Drill Report, Ze Group, August, 1985

2 MINERAL CLAIMS

The Ze 1 Group mineral claims are shown in Figure 2. Further information is provided below:

CLAIM NAM	E RECORD NO.	NO. OF UNITS	ANNIVERSARY DATE
Ze 1	458	15	July 22
Ze 2	6621	20	Nov. 01
Ze 3	3927	20	Aug. 17
Ze 4	6620	10	Nov. 01
Ze 5	07101	6	Aug. 16
Ze 6	07099	10	Aug. 16
Ze 7	07100	2	Aug. 16
Ze 8	07190	12	Oct. 25

3 DRILL PROGRAM

3.1 Objectives

The purpose of this program was to explore the pyritiferous black argillite unit outlined in the earlier 1985 drilling. Of particular interest is the strataform nature of the sulfides, and the possibility of favourable mineralogical changes within the system. Hole locations are shown in Figure 2.

3.2 Results

Drill hole 85-60 was cased to 64 feet. From 64-feet to 156-feet a grey chert unit was intersected. The chert included a bed of black argillite, and contained about one- to two-percent fine disseminated pyrite. From 156-feet to 329-feet a sequence of dark basic volcanic rocks was encountered, followed argillite and chert to 356-feet. Neither of these rocks showed any significant sulfide concentrations. A pale grey, very fine grained rock was intersected from 356-feet to 430-feet: this rock did not show any bedding structure and is assumed to be of acidic volcanic origin. A dark green massive rock occurred from 430-feet to the end of the hole at 507-feet and has been considered also of volcanic origin but of more basic composition. In general, no strong structures were noted in any of the core, and quartz veining appeared to increase with depth along with occurrences of chalcopyrite. Pyrite concentration appeared negligible. This hole was not assayed.

Drill hole 85-61 was collared on bedrock and cased to From 13-feet to 350-feet, a black argillite unit was intersected which contained about three-percent pyrite. rock grades from dense black graphitic argillite to a finely argillite banded made up of varve-like black and grey Pyrite often occurs as massive bands concordant laminations. the bedding or as strong disseminations aligned along bedding planes. In both cases the sulfide is accompanied by a Remobilized pyrite is also common, pale grey calcareous gangue. usually in the form of cross-cutting veins associated with quartz and carbonate. Prevailing dip of the unit appears to be about 20-degrees but small scale folds and crenulated zones are common. A fault zone occuring from 350-feet to 364-feet separates the argillite from a greywacke unit which extends from 364-feet to the bottom of the hole at 514-feet. The greywacke contains minor beds of banded black argillite but only sparse concentrations of pyrite.

Drill hole 85-62 was cased to 50-feet. From 50-feet to 348-feet the same black argillite was encountered. General characteristics appeared to be virtually identical, except that pyrite concentration averaged about four percent down to 140-feet but then abruptly decreased to between one and two percent for the remainder of the section. At 358-feet and extending to the

bottom of the hole at 498-feet was a greywacke unit also identical with that of hole 85-61. In this case, however, the greywacke and overlying argillite appear to be separated by a ten foot brecciated contact zone.

Drill holes 85-61 and 85-62 were assayed for gold at ten-foot intervals. All assays were done by Vangeochem Lab Limited using an Aqua Regia-Solvent Extraction-AA finish technique on a 10 g. sample. As shown in the logs, no significant gold concentrations were found.

3.3 Interpretation

This program and the earlier program suggest the argillite-greywacke sequence is at least 500-feet thick and relatively flat-lying. The greywacke unit appears to underlie the argillite and may mark a change in depositional history of sufficient magnitude to serve as a marker horizon. Neither the greywacke nor the thick argillite sequence was encountered in hole 85-60, however, and this may be due to a lateral zoning of these rocks into a sequence of siliceous sediments, tuffs, and minor argillite.

The sulfides encountered in the core are interpreted to be of sedimentary origin and to have undergone various degrees of remobilization. The low gold values do not appear to be associated with the sulfides or any specific rock change.

STATEMENT OF EXPENDITURES

(1) Drilling Costs

```
Hole 85-60 507' @ $13.50/foot = $6,844.50

Hole 85-61 514' @ $13.50/foot = $6,939.00

Hole 85-62 498' @ $13.50/foot = $6,723.00

Water truck: 10 days @ $350/day $3,500.00

2 days @ $200/day $400.00
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\$24,406.50

(2) Supplies

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Core boxes: 80 boxes @ $5.85/box = $468.00
Tags, bags, etc. = 25.00
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\$ 493.00

(3) Vehicle Costs

Rental 4x4, 1985 pick-up Aug 27, Sep 16, 17, 18, 19, 20, 26 and 27 8 days @ \$36.00/day

\$ 288.00

(4) Personnel Costs

Core Logging and Supervision

G. D. Bysouth

Aug. 27 8 hrs.
Sep. 16 8 hrs.
Dec. 16 8 hrs.
Dec. 17 8 hrs.
Dec. 18 8 hrs.
Dec. 23 8 hrs.
Dec. 24 8 hrs.

56 hrs. @ \$31.00/hr. = \$1,736.00

Field Work and Core Preparation

E. M. Oliver

Sep. 17 8 hrs. Sep. 18 8 hrs. Sep. 19 4 hrs. Sep. 20 8 hrs. Sep. 26 8 hrs. Sep. 27 4 hrs. Dec. 19 4 hrs. Dec. 23 4 hrs. Dec. 24 8 hrs.

56 hrs. @ \$19.64/hr. = \$1,099.84

\$ 2,835.84 \$ 451.25

Assay Costs 95 samples, Au analysis by sol. ext./AAS @ \$4.75/sample

(5)

TOTAL DRILLING COST

\$28,474.59

5 CONCLUSIONS

This drill program has confirmed the presence of a large, possibly syngenetic, sulfide body within the argillite sequence. It has failed, however, to determine the presence of any mineralization of economic significance, and at this point, no more drilling is warranted.

G. D. Bysouth Senior Geologist Gibraltar Mines Limited

APPENDIX I. Statement of Qualifications

- I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:
 - 1. I am a geologist.
 - 2. I am a graduate of the University of British Columbia, with a B.Sc. degree in Geology in 1966.
 - 3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia.
 - 4. I personally logged the core and assessed the results of this drill program.

Barry D. Byrouth

Garry D. Bysouth

APPENDIX II. List of Abbreviations

alt'd	altered
cal	calcite
carb	carbonate
ch1	chlorite
cp	chalcopyrite
cren	crenulated
dissem	disseminated
foln	foliation
grn	grained
h	hardness
ру	pyrite
qtz	quartz
rx	rock
sphal	sphalerite
str	strong
stkwk	stockwork
wk	weak
x-cutting	cross-cutting

APPENDIX III. Assay Sheets

APPENDIX IV. Drill Logs



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE 1630 PANDORA ST. VANCOUVER, B.C. V5L 1L6 (604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: GIBRALTAR MINES LTD.

ADDRESS: Box 130

: McLeese Lake BC

: VØL 1PØ

REPORT#: 8601976A

DATE: June 20 1986

JOB#: 860197

PROJECT#: G286 - 2689

SAMPLES ARRIVED: June 13 1986

REPORT COMPLETED: June 20 1986

ANALYSED FOR: Au ICP

INVOICE#: 860197NA

TOTAL SAMPLES: 95

SAMPLE TYPE: 95 CORE PULP

REJECTS: SAVED

SAMPLES FROM: GIBRALTAR MINES LTD. COPY SENT TO: GIBRALTAR MINES LTD.

PREPARED FOR: GIBRALTAR MINES LTD.

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: None





nd = none detected

-- = not analysed

VANGEOCHEM LAB LIMITED

MAIN OFFICE 1521 PEMBERTON AVE. NORTH VANCOUVER, B.C. V7P 2S3 (604) 986-5211 TELEX: 04-352578 BRANCH OFFICE 1630 PANDORA ST. VANCOUVER, B.C. V5L 1L6 (604) 251-5656

REPORT NUMBER: 8601976A	JOB NUMBER: 860197	GIBRALTAR MINES LTD.	PAGE 1 OF
SAMPLE #	Au		
01701	ppb		
81301 81302	nd		
813 9 3	nd 5		
81384	nd		
81305	5		
81386	nd		
81397	nu 10		
81388	nd		
81309	nd nd		
81310	nd		
81311	5		
81312	5 5		
81313	nd		
81314	nd		
81315	nd		
81316	nd		
81317	nd		
81318	5		
81319	5		
81329	nd		
81321	15		
81322	18		
81323	nd		
81324	15		
81325	5		
81326	5		
81327	nd		
81328	20		
81329 81339	19		
การงช	nd		
81331	5		
81332	5		
81333	nd*		
81334 81375	10		
81335	nd		
81336	nd		
81337	nd		
81338	nd		
61339	nd		

is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE 1630 PANDORA ST. VANCOUVER, B.C. V5L 1L6 (604) 251-5656

		(00.7, 20.7	
REPORT NUMBER: 8601	976A JOB NUMBER: 860197	SIBRALTAR MINES LTD.	PAGE 2 OF 3
SAMPLE #	Au		
	ppb		
81349	nd		
81341	10		
81342	nd		
81343	5		,
81344	nd		
81345	nd		
81346	nd		
81347	nd		
81348	5		
81349	5		
	3		
B1350	5		
81351	nd		
81352	5		
81353	nd		
81354	5		
81355	10		
81356	nd		
81357	nd nd		
81358	mu 5		
81359			
DIGOS	nd		
81368	10		
81361	nd		
81362	15		
81363	nd		
81364	nd		
81365	10		
81366	nd		
81367	5		
81368	nd		
81369	5		
81370	nd		
81371	10		
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01 77E	_		
81375 81376	5		
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81377	nd -		
81378	5 .		
DETECTION LINIT			



VANGEOCHEM LAB LIMITED

MAIN OFFICE 1521 PEMBERTON AVE. NORTH VANCOUVER, B.C. V7P 2S3 (604) 986-5211 TELEX: 04-352578

BRANCH OFFICE 1630 PANDORA ST. VANCOUVER, B.C. V5L 1L6 (604) 251-5656

REPORT NUMBER:	8691976A JOB NUM	BER: 860197	GIBAALTAR MINES LTD.	DAOF		
SAMPLE #	_			PAGE	3 OF	- 3
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81379	ppb					
81380	nd					
81381	ס					
81382	5					
81383	nd					
01303	5					
81384	19					
81385	5					
81386	5					
81387	10					
81388						
-	nd					
81389	nd					
81390	nd					
81391	5					
81392	nd					
81393						
•	nd					
81394	nd					
81395	710 5					
	J					

METRIC CONVERSION

Feet x 0.3048 = metres

GRI		
URI	12	

GIBRALTAR MINES LTD.

HOLE No. 85-60 SHEET No ____ 01_8

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ROCK	TYPES & ALTERATION		GRAF	G -		1		FRACTURE	Q EI	BOTTOM DEPTHS	1	I.	T		ASS	AY RES	ULTS
		L to Corr	· ·	Value Value Value Value	5 5			CORE AXIS	IMATED PYRITE	LEACH CAP	-	Core	ROD	Sample	1%	1%	
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	Casing To					188		0 20						1			
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	o deser hand columbia		70	ļi .		high		90								Core to	di-
-	med grey tock which weathers to a light brown (anterite?) and contains			1	J.	001		0 20 30	27.6			75	71-2-0	2			
	fine dissem, py and out	70	31	11	7%	dia-corp		30 40 50									
4	by numerous ank, venilets.			70	6.	carb		60	2.0		77						
	BLACK BEGILLITE		80	1,1				70 60 90									
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	DDH's 85-61 and -62.	F	11	30?	12"	gts-carb some		0 10 20 30 10									
	A black graphitie	60	11	:					3.0		8512				2		
	Finely banded and contains finely diasms	1	11	4		1	17	0		GEO	1 200	240	AV	B D A	NC	LH	
	py, Plus occassional	-	90	60	3 "	carb. graph.		0		ASS	000	BA E	21 75	ID TO 10	AB	37	
	nomerous carb veinlets ,	1					A	0	1	700	433	85	14 1	N 35 E	82 E	1	
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-	hard (# +7) rock ranging	-11	100			The state of the s	90			4 1	1	95			-	4	
	in color from med grey to pale green. Contains very fine sulfides and	B		\$ 170	400	gts-carbes	10				1	-	1	6			
	very fine sulfides and	50	1 1	1		412-001041	30		.0?	State of the last	105		1	100000	-		
	led by numerane atta	3					490 490 690 890										
	carb veniets - prob.	E	110 /	10	,"	qts-carb	80					85					

HOLE No. 85-40 SHEET No. 2 of 8

ROCK	TYPE	S & ALTERATION		GRAF	-			FRACTURE	0	BOTTOM DEPTHS					ASS	AY. RES	ULTS	
1			1::	Lo	6] == -	-		ANGLE TO	311	LEACH CAP		Core	ROD	Sample	%	1%		
			L to Core	Allevellen	Vales Vales Auto	Wigh	Whatesis	-FREQUENCY-	ESTIMATED % PYRITE	SUPERGENE REMARKS		A.c,		Number	Cu	Мо	4 5 11	Cred
		The unit shows a week bedaing structure usually marked by beds or lawings chades of grey - also present are beds of grey-green material up to a Thick	1 400		10	1/4	qts-carb	0 (10 20 30 40 50 60 70 80	ho?	KEMMAN	its				***	• 19 m	e A	
+		Although very hand the unit is still faite calcoreous - ie readily figger in dil ACI.	•	120	60 50	Y= 6" 12"	bed of pinkish grey chert	20				95						
t			50	130	20	2." /2	banded + b= 3 one of pink-chert grey graphite-carb and green when your of manipoide? 913-carb-py pink-chert-py	30 40 50 60 70 90	2.0	pink cert(p) appears to be X-culting the bedding	125							
		chert grey-green	45		6.	X4 Y4	py (sphal)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10?	a sphal is a deep red	13.5	95						
+				140	3.0	Ϋ́s	ca-b =	0				98						
			15.				14 15 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0 '	7	145							
	0 0	uch carb.	50	150			8	9			185	95						
		AUGITE ANDESITE ? N	la	160			55 64 76 80		1.0?	71.486.4								
	D M	ounded to subangular e green grains (augite?) p to 1/8" dia plus ale grey interstitual ofterial (plag?) and andom patches of a biotito.	٥				1 66 1 66		(.5		165	98						

HOLE No. 85-60 SHEET No. 3 of 8

ROCK	TYPE	S & ALTERATION		GRAP	HIC	-3	:	FRACTURE	9 4	BOTTOM DEPTHS	-	Cotomotoe			ASS	AY RES	SULTS	Or .
T		S - C Sill Service	13 3	4:	1 202	1 :		ANGLE TO	IMATED PYRITE	LEACH CAP	+	Cere	ROD	Somple	%	%		1
:			L to Corr	LOC	Yelni Z 16 Corr	Witin of	40 May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-FREQUENCY-	ESTIMATED % PYRITE	SUPERGENE REMARKS		**************************************		Number	Cu	Мо		Calla
		- the rx appears dense, compact, mod hard and has an overall dark greenish. grey coloration - it	ЦЬ		105.55			O 1 10 20 30 40 50 60 70 80	٤.۶		175	95				•	997	
		Hel. Avg. arn size	~	180				30 60 70 80 90				98					7	
		appears to be a Yio" The dark green (augite?) grains form about 60% of the rx.	. МД					0 10 20 30 40 50 60 70 90	۷,۶		185							
:		A similar rx Type was found in other Ze DDH's associated	•	190	y 10	1.	qts.carb				189	98				- 4	#	
		with the blk aggillite. This may be a	ND		33	ı Vz	9t3-chl-carb	9 10 20 20 20 20 20 20 20 20 20 20 20 20 20	۲,5		197	98						
				200	10	Y +	corb	60 70 20 90										
			NO					0 0 0 0 0 0 0 0 0 0	۷.5		20672	95						
1				210				90 0			2067				-			
		н	0		r i-			0 10 20 30 40 50 60 70 80	c.5	2	.16	98						
+			-11	220				70 80 90				98	+		+		1	
		7.27 N						9 10 10 10 10 10 10 10 10 10 10 10 10 10	,5	2	26	10						
				230		131		50 10	-									

HOLE No. 85-40 SHEET No. 4 of 8

ROCK	TYPE	S'B ALTERATION	1	GRAPHIC				FRACTURE	0 11	BOTTOM DEPTHS		C+1-+1+4			ASS	AY RES	ULTS	
1			3 3					ANGLE TO	PYRITE PYRITE	LEACH CAP		Cere	ROD	Sample	%	%	41.	Latin
1			L to Corr	Tollette Control of the Control of t	Valna , L. Carr. Atti	Width	Ulhaveali	-FREQUENCY-	# 12 %	SUPERGENE REMARKS	01000	**************************************		Number	Cu	.Mo		c
	WITTO 2	ALTERED ULTRA Basic Rx. ?? Very similar to the Rugite Andesite	NO					0 1 10 20 30 40 50 60	₹.5	Olive green	236	98					27	
		-ie, a dense, compact dark greenish grey mod. hard rx, but in this case it consists sub-angular olive-green gras, yo-X"dia and	,c ND	240				70 80 90 0 10 20 30 40 50 (0 70	4.5	lred bio flakes	2461/4	qs						
4		a dark green, almost black intersitual component Also present are flakes of red-block	.	250						blk intersitual material	251	85				## 10 K		
		botite, and sparse dissem sulfides - Morely Pyrohotite. The olive-green grains form about 60-70 % of the rx. It appears	N)	240			no vernice or steaming. - a very shart vertical lineation is sometimes evident imparted by the die introstitual and waterial	50 0 0 0 0 0 0 0	4,5			95						
	+	to break along tolcose shears. It is not noticeably colconous	NO				2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.5		261	90						
T		6.732		£10	у.		+ ale - ch/- ca+b (Cap)) 20			_ 2	172	-						
	5241 8		ID	60	27		shi- carb (Sc 70		⊀. €			95				4		
888	8.6			280 = 70	×z 1	1- Y2	tale - chi - carb (Copil 2: 16 - chi - carb (Copil 2: 16 - carb (C			29	82							
		NO					50 60 70 80		<.6	25	-	98						1000

HOLE No. 85-60 SHEET No. 5 of 8

ROCK	TYPE	ES & ALTERATION		GRAF	G -		1 1		FRACTURE	0 4	BOTTOM DEPTHS	4	C+++++			ASS	SAY RES	SULTS	
			0 :	:	3 40	6.5	2		CORE AXIS	IMATED PYRITE	LEACH CAP	-	Core	ROD	Somple	1%	1%	Section 1	
•			L to Corr		Slavefore Value 2. Core	Widih.	Ulacce		-FREQUENCY-	W1723	SU PERGENE REMARKS	1	7.		Number	Cu	Мо		Cred
		rx appears to be getting softer - serpentine alting is a brious in many places along with some carbonate	ND						0 1 10 20 30 40 50 60 70 90	¢. S		297	100					1	
			ND .	305	4.0	Уз	carb-cw (Cop)		0 10 20 30 40 50 60	<,5		307	100						
		GABBRO :	MD	310	70	141	chl-carb		00 90 0 0 0 0 0 0 0 0	<.5		317	100						
+		this rx consicts of 60% rounded to	\parallel	320	70	λř	chi-carb	- 1	0)	322	98					-	
		Subangular black grains (augite?) and 30-350/0 med gray interstitual material plag?) Avg. grain		330				2 3 4 5 6 7	0	6.5	contact is marked by a 3' bleached and weakly sheared zone		98						
	200	bove but appears		840			į	50 60 60 70 80 90 10 80 80 80 80 80 80 80 80 80 80 80 80 80		.=	this is a greenish grey to dark grey Finely laminated moderate hard (5)	13.2	s						
Bett Hale		GREY ARGILLITE (329-345) SEE remarks 345 76 PALE GREY BANDED CHERT (345-356)					d .	90 10 20 30 40 50 60 70		.5).	a siliceous argillite also contains several graphitic sones up 34		s						

HOLE No. 25-60 SHEET No. 6 01 8

OCK	TYPE	S & ALTERATION	4	GRAPH	119			FRACTURE	9 4	BOTTOM DEPTHS	-	C			ASS	SAY RES	ULTS	
T	•/		13 3		Yeles Yeles Yeles Auli		- Lan 2.3	ANGLE TO	PYRITE	LEACH CAP		Core	ROD	Sample	%	%	100	
			L to Core	Locality	Sleveti 1. 2.	Widis	therein in the same	-FREQUENCY-	# 21 M	SUPERGENE REMARKS		A.c.++++;		Number	Cu	. Mo		Cred
		this is a pale grey (aminated rx assumed to be an impure chert. The laminated effect is caused by		14 NS BIA1	SPE			O : 10 20 30 30 40 50 60 70 80 90 90	1.0		356	95				<i>‡</i>	*	
+	-	alternation bands of various shades of various shades of varey from 120-12. Thick - it appears to contain much carbonate and some tiny lenses of py		360			-	70 80 90 0 10				85						
		GREENISH GREY	, No		0	11-60	7	0 10 20 30 40 50 60	۶.۶		367	40					Ne Pari	
ī		TUFF? UNIT		370	0		Shighly broken core	90			369 370	70		100				
	1	a massive fine gru to a phanitic nondescript ox type which in						9 10 20 30 30 30 50 60 60 60 60 60 60 60 60 60 60 60 60 60			373 1/2	60						
	1	places shows teldspor Phenocrysts and entirely lacks bedding structure Moderately hard CHS:b) and	NO.	280	5 % L 80 % L	4" dia X4-Y22 Z X4-Y22 Z	free of med gro QD. ats-cp	10 50 60 10 10 20	۲. ۲		376	85						
T	Ì	non calcareau	ND I		1072	74-74.53		0 0 20 30 40 30			300	90						
				392	5	y. /2=2	gts(ep)	50 60 70 80 90	∢. \$		387						Negel .	
								0 10				90						
		NI AND	0		S. I. S.			50 50 70	G.F.		394	95						
		BROWNISH GREY THEF (400-430) rd (417) to 415 and softer to 50 from 415-430; the ter 20ne appears to be terite alth (pale rush) un stanging in place un tains fine dissem by		400 4			highly broken Sone of Fragments of Q.D.	20 30 30 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	s		404 405	50 50 60						

HOLE No. _85-60 SHEET No. _7 of _8__

ROC	K TYPE	ES & ALTERATION		GRA	PHIC			FRACTURE	a	BOTTOM DEPTHS		w.g.menn.			ASS	AY RES	ULTS	
	units		7 10 6010	Velletter.	Slrvcivity Survey Nation	width of	Whateliam	ANGLE TO	ESTIMATED % PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARKS	7	Core Recovery	ROD	Sample	% Cu	% .Mo		Estinet
			, Ao		1 20 3 30 4 5 40	1/2 1/10-1/405 1/4	973-2012- 97 973-2016x5 975-2016 (P/)	0 1 10 20 50 40 50 60 70 80 90	1-0	Agricult	417	98			2017:39		*	
1			Но	42	20+40	1/4-1/8 8 - 1/6-1/2 2"	qt3-ank ez qt3 (pyrr)(cp) qt3-ank x3 qt3-ank	70 90 90 10 20 30 40 50 60 70	1.0		427	95						
		ANDESITE UNIT (450- 507') a very hard (46-7)	NO	130	30.		qts-a-4	0 10 20 50 40 50	۷.۵		437	95						
		dense is with rounded phenor of plag and chi-matici up to 1/0" dia in a pale green matrix - appears guite hard for a normal andesite - contains scattered patches of dus-	NO	110				70 70 70 70 70 70 70 70	۷.5		447	95						
	+174	Pyer.	ИЪ	450	20 * 2	1/2 + 1/3 1/4 1/5			c.s		457	98						
			25	470	70 + \$0 + <u>Z</u> + <u>L0</u>	1/4+ 1/4+2 + 1/5 1/4	9+3-ep x 1 9+3-ep (py)(ep) 9+3-ep (py)(ep) 9+3-ep (py)(ep)	0 10 10 10 10 10 10 10 10 10 10 10 10 10	:,¢		467	98	22					

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GIBRALTAR MINES LTD.

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HOLE No. 85-60 SHEET No. 8 of 8

ROCK	TYPE	S & ALTERATION		GRAPHI	9		:	FRACTURE	0	BOTTOM DEPTHS	7				ASS	AY RES	ULTS	
		2	Z to Corn Follotton	GRAPHIC LOG	Yalla All Core	Width of	Witherstein .	ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARKS		Core Core Recovery	ROD	Sample	% Cu	% Mo		Cod
			No					O / 10 20 30 40 50 60 70 80	c.5	HEMANS	175	95			- 14 V		3	
				480	(0	Х	gts-care	50 60 70 80 90			480%	90						
			ND.	100	5×1	10 82.	913.42	0 10 20 30 40 50 60 70 00 90 90 0 10 20 50 60 70 70 70 70 70 70 70 70 70 70 70 70 70	<-5		487	95						
-1				190		2*	ats-ep	70 60 90				91.19		1				
10			20			Y10-Y3 +13	9t3-epr13	20 20 20 40 50	۷.5		497	98						
1				500	50 45+ 20	2" /g+1"	973-66 643-72	60 70 20 90			1							- 121
		FO# 507	**5	4		2."	9ts chl-ep-py chl-ep-corb some ep	20: 30: 40: 50: 60:	₹.5		507	98						
+			-					70 80 90					-			- 5		
	1	B.D. B.						20 10 10 10 10 10 10 10 10 10 1										
+				1		-		80 50 0 10 20 30										
			\parallel					40 50 60 70 80										

CO10	
GRID_	

HOLE No. 85-61 SHEET No. 11 01 9

	Te CLAIMS		BEMMO	141		LATITUDE			CORE SEE						G.D.		
	course Sept 18, 198					DEPARTUR			SCALE OF LOG			. 4	, DA	· D	ec 18	1985	5
DATE	60-LT10 3631 23, 146		DIP - 90			CLEVATIO	*	-	REMARKS	nters	cts +	the G	reywacke	Unit	at 30	4'	
ROCK T	YPES & ALTERATION	GR	APHIC .OG .	1.6	:	17.	FRACTURE	9	BOTTOM DEPTHS	1		T	T	ASS	AY RES	UI TS	
		3 4 4	Veha Anh				ANGLE TO	IMATED PYRITE	LEACH CAP -	-	Care	ROD	Sample	%	%	1	
		L to Cer	Structure Valua , Z. 10 Core Anta	Viela			CORE AXIS	A TA	SUPERGENE -	Feeten.	Recevery	N.	Nomber	0.000		Au	Estimated
		7 - 24	2. 8	-	ä		-FREQUENCY-	12 1%	REMARKS	- 25	7.	. 9	7.61.05	Cu	Mo	ppb	Crade
			G	box.			0										
. 1	Casing To		II A	E G L (GICAL	13 E)	20 30 N.T.	107500									
	13'		1	PEES	SMENT	IDI BY	40 1	要作:4			114						
		111				53 85	70	#							- 20)		
		- 111	0	1000		-	90										
	13	. 111		PERCE	No. of Control		0			13							
	- 13			35000			30		lim. weak to 30'	13							
	BLACK ARGILLITE	80		•			50	12772		17	75	3	81301			nd	1
	UNIT (13'-350')	劃				1	76	1-0									
	a black finds	- F 2	0.			Sec.			* much of the								
	laminated sed rx.	E					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		finer gra sulfide is								
	- st- colcareous (ie st	60-	11 1			1	0		prob. pyrrhotite (st magnetic) but due to		70	0.7		- 1			
	Cissing in ECI	80 5	11 1			13	0	10	fine own dige the			23	81302			nd	
	- gen consists of	ad all				7	0		distinction is diff to make, and in	27							
	afternating laminae	1 3					0		the log all will be								
	material (varue-like)	40. 6				K			reported as per		75						
	range from Vio to	80	11		7	20 30			2		15			1			
		Pold P	5. 12	1 62	gts-carb-py-grop ==	36		1.0		36	20	20	81303	1	1	5	
1	-prob. contains much		So + 804 3 2	- Yg x 2	ets-carb x 3	70			- some of the py occurs as cubes or	38	60	1				- 1	
	(ie, stains tingers black)	1/40			· · · · · ·	4554 4554 4554 4554 4554 4554 4554 455			cube clusters assoc.		L						
	- Contains much py+		19" 1	15 + 1/4	its-carb (ank) x2	10			with carb. re		.						
	Total and the state of the stat	10-)	30		1	11/1/20		90		21204				
	Marie established and		11 1	1	beds (x*)	50		2.0		47		40 8	31304		1	nd	
	clusters with atz-care,	1			\	70 90		6	arg. lite		15	1		1			
	with carbanate.	M 50			1	. 190			V.4.2.		35	-				1	

HOLE No. 85-61 SHEET No. 2 of 9

ROCK T	YPES & ALTERATION		GRAPHI	G		:	FRACTURE	9 4	BOTTOM DEPTHS					ASS	AY RES	ULTS	
		L to Core follottea	LOG	Vales , Z. 15 Cors. Astle	widin of	Ulastatiteties	ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARS		Core Recovery	ROD	Sample Number	% Cu .	% Mo	Au PPb	Estine Cred
	-gen is fairly flat lying. Angles reported in the folio Column	10.		31 × 1	Y4 x 2	qtz-carb-py xz	0 / 10 20 30	3.0	PATESTALLIA	54		33	81305			5	a 次
	are bedding angles. - core is cut by numerous attacarb.	341	60				50 60 70 80 90	9.0		.59	90	3.3	87505			3	
	min. with py . By also occurs remob. oclong steep frocturer most of it however, appear controlled by bedding .	0- 60 51t			3/4	4ts-carlo	0 7 70 70 70 70 70 70 7	3.0		67	90	50	81306			nd	
	in places is a black soft coal-like mineral (i.e., high recives listle, jet black, 4 -2)	10-	70				9 20 30 40 50	2.5		77	95		81307			10	
-		10-	90				70 ec 90	3.0		841/2	80		81308			nd	
	1	Str.	90				50 60 70 80				85						
	6	0-	1/1	1==3	5+3 "43"	9+3-carb. pg	10 20 30 40 50	3.6		95		8	31309			nd	
-	Pess Fold	1 1	00				60 70 80 90				90		in in a section of				
	4 o to 8 o Str						D NO NO NO NO NO NO NO	3.5	<u>/</u>	05		8	1310			nd	

HOLE No. 25-61 SHEET No. 3 of 9

ROCK	TYPE	S & ALTERATION		GRAP	HIG		:		FRACTURE	0 41	BOTTOM DEPTHS		Commerce			ASS	AY RES	ULTS	
	e se		L to Corr	LO	Straction.	widih of	MASSESSES		ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED %. PYRITE	LEACH CAP LIM. ZONE SUPERGENE AEMARAS	01000	Core Recovery	ROD	Sample	% Cu	% Mo	PPb	Catinat
		· acre very black and massive (100'-220) - qta-carb veinlets and veins are at a large angles to the bedding	4	A COLUMN TO THE PARTY OF THE PA					0 / 10 20 30 40 50 60 60 70 80 90	2.0		115	90		81311			5	
			50 - 60 - 5tr.	120	60	ys ys	qtz-carb		0 10 20 30	3.0		125	85		81312		7.00 to 10.00 to 10.0	'n	
			5. 70 31:	130				2 2 3 6 6 7 7	000000000000000000000000000000000000000	2.0	Tr is cortordant to bedding but oppears to hade remobilised along cleavage planes; is clearate	135	95	8	31313		+	nd	S 3
-	Na l	** **	20 00 00 00 00 00 00 00 00 00 00 00 00 0	150		The state of the s		9 4 2 3 3 6 6 7 8 8		2-0	*	45	qs	8	1314			nd	
		4 8	1621	-	31	<i>y</i> s	qts-carb	96 90 90 90 90 90 90 90 90 90 90 90 90 90	2	.5	13	55	95	8	1315			nd	
		5- 80 Sek	a continuity of the continuity		30 2# 15r2	1° 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1'	9+3-carb 9+3-carb-py x=	\$0 10 20 30 40 50 60 70	1	0	14		8	8.	1316			nd	

HOLE No. \$5-61 SHEET No. 4 of 9

ROCI	TYP	PES & ALTERATION	1	GRAPH	ici	1		FRACTURE	Ja	BOTTOM DEPTHS		6 .		01 _		AY RES	ULTS	
-			1 ::	LOG	30 =	-	ii	ANGLE TO	IMATED PYRITE	LEACH CAP	40	Core	ROD	Sample	7-	%	PPlo	Estimated
			L to Cor	GRAPH LOG	Yeles L to Core	Width of		-FREQUENCY-	4 % P	SUPERGENE REMARKS	91111	7.		Member	Cu	Мо	Au	Crate
	•		70 . 80	Be Berlin Branch	fold *	2 -3 " 1/2	(cp)-pyer-com	0 i 10 20 30 30 30 30 30 30 30 30 30 30 30 30 30	2.0		75			81317			ا اور ا	
			70-	90	fo-60 x 4	X4-X5×4		20	8.5	first cp. note 15 Complex: folded Pyrrhotile in grey matrix	85	90		81318			5	
				190) dissent. PH	00			3.1			-426				
	ţ		40	G .			7 15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.5	19	17	95		81319			5	
			30-70	200			as above 30 - The fine 30 - Eco		4.0	2.0		95	1	31320			nd	
		from 220' to 310' The rx becomes well banded with dk grey or block bands alternating with med to light grey bands - ind (aminae	70	220			90 20 30 40 50 60 70 80	1	3.0	217		90	8	11321			15	
		gen- 10-15" Thick -	70	230			90 10 10 30 30 30 30 70 80 80 80 80 80 80 80 80 80 80 80 80 80		2.5	224		5	8	1322			10	4

HOLE No. 85-61 SHEET No. 5 of 9

ROCK	TYPES	S & ALTERATION		GRAF	PHIC		:		FRACTURE	a. h.	BOTTOM DEPTHS					ASS	AY RES	ULTS	
			7 10 600	Lo	Vola:	width of	Ulavratiaan		STREET, STREET	PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARKS	/enterpr	Core Recovery	ROD	Sample	% Cu	% Mo	Ppb Au	Crede
			70	The state of the s					0 / 10 20 30 40 50 60 70 80	3,0		232	90		81329		•	10	
			70	250					90 0 10 20 30 40 50 60	2.5		242	85		81330			nd	
			70- 86		4			7	0 10 20 20 20 20 20 20 2	3.0	0	252	95		81331			s	
			76-		70 * 2.	X+X	Sara-arop +2	2 2 3 4 4 5 6 6 8 9		3.0	Typical Py Association:	262	98		81332			5	
			\$e. 90	280				24 36 40 50 60 70		1.0	1. partially remobilized PY along bedding plane with white Earlo 2. fine laminae of PY Ko" dia to microscapic	272	98	8	31333			nd	
			70	240				9 12 12 12 12 12 12 12 12 12 12 12 12 12	3.		same as (2) but con be seen to consist of 2 600/0 py and 400/0 med grey cel. gamose with some blk. parting 4 completely remdo. Py along x-cutting free's	82	8	8	1334			10	

HOLE No. 85-61 SHEET No. 6 01 9

ocx	TYPE	S & ALTERATION		GRA	PHIC -		1 1	FRACTURE	9 W	BOTTOM DEPTHS		C			ASS	AY RES	ULTS	
		×	3	: :		6 5		CORE AXIS	IMATE D PYRITE	LEACH CAP		Cere	ROD	Sample	%	%	PPb	Cation
:			7 10 500	200	Sirvityii Vulin . L le Corr	Widh of	The state of the s	-FREQUENCY-	4 27 P.	SUPERGENE REMARKS	0100	**************************************		Number	Cu	Мо	Au	C
			1			THE PERSON NAMED IN		O I		25	92				1		5	
1	7		80		45	y ₄ y ₅	gts-carb	0 1 20 30 40 30 60 50 60 80 90	3,0			98		81323		- 7c -	nd	
+	28		-	30	o NTº	. //s	di2.case	90	-	300	2						1	
			80. 50	310				0 10 20 30 40 50 60 60	2.5	30'		90		81324			15	
		from 310 - 864, the rx. becomes more massive with banding still present but less distinct - ie, an incr.	70	310	7	c .	some of ata-corb veins in	0 10 20 50	3.0	31:	5	80		81325			5	
-	9	graphite content and a decreasing in pale-med liver bands which aires		320				0			-	85	_					
	Ti A	he re a well banded ppearence	30. 80		7044	1/2×2+1/0×2	qts-carb	0	4.0	322	1		8	31326			5	
				330	4444	4'	as short verilets, leases, class 8	0				15						
			80		80	3'	some of gg, and otz-carb		4,5	332	6	10	8	1327	-		nd	
T T			6	340	70 80×2+30×3	У2	Shattered 30nd Statement Shattered Sono Statement Stat			339%	8	0						
78			15-		\$0+70		13-carbons 100			.343	6	٥	0	1220			20	
	4			1			shattered 50 30ne 70	3		350	7:	5	10	1328			20	

HOLE No. _ 55-61 SHEET No. _ 7 _ of _ 9

ROCK TY	PES & ALTERATION		GRA	OG -	207		FRACTURE	0 11	BOTTOM DEPTHS	-	*******			AS:	SAY RES	SULTS	
		7 10 Cars	Valley III	Sirvetivity O	Widih of	2	ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED " PYRITE	LEACH CAP LIM. ZONE SUPERGENE AEMARAS		Coro Rocovery %	200	Sample	% Cu	% Mo	Ppb No	Cation
	So- 344'	7		9 975) 41		shattered some with minor ge	0 10 20 30 40 50 60 70 80 90	?		352	45		81341		*	10	
4			3	60 20:	3"	973-carb) 973-carb)	60 70 80 90	144			55			Control of the contro			
+	GREY WACKE	.70	\parallel	70	Ye.	atz-carb.	0 10 20 30 40 50 50 60	. ε		364 /z	18/25°		81342			nd	
3	UNIT (364-514)		37	0 3		broken ha	90		*	372 1/2	80						
	clastic re - grn. size varice between Yes and Yes dia and in a few zones grades	70		4			20 90 10 10 10 10 10 10 1	. ٤		376	35		81343		• 14	s	
	also contains a few beds of blk		380				0 0		2	79	80						
	argillite. Pass. sheared along - bedding planes - frags seem to be flattened or elongated	70"		45	/A	9tz- carb	01	.5	3	85	90	8	31344			nd	
	- fizzes readily with		395			8 9 5 16 24 24 5 5				90	90				i den	Ea	
	- contains scattered dissem. py (ie, not strate control evident) plus occasional bands of py with carp.	76?	400	7 50+45	± + 3/3	64		. 5		37	0	8	1345			nd .	
	with carp.	740	400	40	1/4 1/8	9t3-carb 72 9t3-carb 20 9t3-carb 20 9t3-carb 30 9t3-carb 30			40	6	0	0	1346		14 10 10 10 10 10 10 10 10 10 10 10 10 10		
			410		/*	50 50 60 70 80	1,	5	4			10	346	- PA		nd .	

HOLE No. 85-61 SHEET No. 8 of 9

ROC	K TYP	ES 8	ALTER	ATION		-19	RAPH	19		-	5	FRACTURE	9	BOTTOM DEPTHS					AS:	SAY RES	SULTS	
		1			13	:	±	1 101	-	1 8		ANGLE TO	PYRITE	LEACH CAP		Core	ROD	Sample	1%	%	ppb	T
				7	7	Fellallaa	LOG	Yeles 7 10 Core	Width of		- Illace	-FREQUENCY-	# ST 1M	SUPERGENE REMARKS	7	7.		Number	Cu	Мо	Au	Crese
									A THE CASE	The second		0 1			412	95		一門歌	\$178°	*	3	
	34					,		70	1/6	py-carb		0 (10 20 30 40 50 60 70 80 90	3.0		417%	80		81335			nd	
		1.	4.			- 11	120	60 x 4	/3 × 4	ats-carb	K4	70 80			419	60						
					1			3*	λs	9ts-carb	*	0 10 20 30		Comments	.426	90		81336			nd	
					- wer	1	410	7052	Y4×2	qt3-carb		50 60 70 80	. 5		.746	a.c		01336			n a	
					7.0(4)		450).)				90	11			95						
					70 WK			70	60-80	> multitude veinlets fa	of atz-carb	0 10 20 30 40 50 60 70 1 00 90 0 0 10 20 30 40 50 50 60 70 10 10 20 30 40 50 60 70 10 10 10 10 10 10 10 10 10 10 10 10 10	.5		434			81337			nd	
-		-			Folm	#	140)	-	of see.		90		Vein Type - ets vein		90	-					
						$\parallel \parallel$	- MA	60 470 81 4 562	1/8 2402-1/202	9ts *5		20		135	444			81338				
					med.				011000000000000000000000000000000000000	qtsee	1	60 60 60 60 60 60 60	2.	cheating (446	50		07550			nd	
1					Pol.	114	50 1			gtses sheared and 1	oxid ata vein L	0		Verify 100	452	65						
					70	$\parallel \parallel$:			STEM	3	0	.5		A CONTRACTOR OF THE PARTY OF TH	80	8	81339		1	nd	
		bande	d black	(Folin bedding	1 46	0 0	?	3	99-br	66 77 88 92	0			457					. 10		
		arg.	ite secti	"		MAN ALLEN					20				463	90					1	
					70 heddin	Miller					2 44 5 6 6 7 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9		5		467	80	8	1340			nd	
					Folin.	410					70 80 \$0		1	CTAP STATE OF THE	V							

HOLE No. 85-61 SHEET No. 9 01 9

ROCK	TYPES	B ALTERATION	1	GRAPHI	9			FRACTURE	9	BOTTOM DEPTHS	1			01 _		AY RES	ULTS	
1			4 to Core	LOG	Valua Ault	width of	Macrelinatia	CORE AXIS	ESTIMATED % PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARKS	7.010.3	Core Recovery	ROD	Sample	% Cu	% Mo	Ppb	Crose
		470' - 172; evidence' of graded beading.	70	8	70	6"	9tz-carb	0 / 10 20 30 40 50 60 60 60 60 60 60 60 60 60 60 60 60 60	۷,5		477	98		81347	+		nd	
	91	banded black		486	A = 14			70 80 90 0			482	80						
1		argulite section	70	490 4				0 1 10 20 30 40 50 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 7	۲,5		490 /2	95		81348			5	
			2 3	A	f.	,"	9+3 proken core	20 20 30 40 40 40 40 40 40 40 40 40 40 40 40 40	.5		495	40		81349			5	
+	+			500)	50 40 10 10 10 10 10 10 10 10 10 10			A99	25	-					
			70				3 3 7 9	0	c. s		504 507 508 %	45	1	31350			2	
	-	EOH 5,4'		510			2 3 4	0			514	95						
-	. /	b.D.B.					6 7.7 80	0						(04)				
			Strong St				2.3 3.3 4.4 5.6 7.7 8.6 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0											
	Contra	a mil heat se					70 80 50						A L				1.	

GR	ID	

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HOLE No. _85-62 SHEET No _____ of _8

	The second second	Ze CLAIMS 10 Sept. 24,198	5		ENGTH 4	98	191	DEMATURE	-		COAE 345					- Harrison -	G.T		
		nco Sept. 27, 198			w -A	ot o T	ACICAI	B'R'ANC	H 3		REMARKS IN	7		75 30				3, 1989 < R	ā
800	TYPES	8 ALTERATION	1	GRAP	HIC! A	SSE	SSMENT	REPOR	7 1 1	BOTTON		1	1	1	4wacice	Unit	91 -		
	1	& ACTERATION	1 : :	LO	G 1 -	-	10 112 001 1	ANGLE T	SE 0 37		-		E	1			SAY RE		
			L to Core	Fellotten	Vella Vella Vella Vella	Widin		CORE A	XIS W. A			1 :	Recevery	ROD	Somple	%	%	Pop	Estimete
			7 -	24 5	, N 7	4		FREO		S4 PERGE	MARKS	Festers.	7.		Number	Cu	Mo	Au	Crete
		Casing to 50' (large boulders from 16'-50')		50	18		7, 6	70 80	1							*			
		BLACK ARGILLITE UNIT (50-348) a pyritiferous carbonaceous jet black ine gra rock cut			T' of Strwks	hie - 2"	ats-carb veint veinlets and c clots and bands pl. some of t larger veins ar flat or vertical	and 30 30 04ccd 40 50 50 c enher 70	5 4/5	- Pyrile a The hole appears beading is dissen	y weak lim- pecure "nreamban" -in places in tentrolled by , but morning A or as	57	70	47	8(35)			nd	
	6	by numerous quarts-		60	5		grey wacke - on	90			clots associated	6172	90	-					
	b.		80 M4		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		grey impore cher's	20 30 40 50	2.0/0	1	17年	45	70	33	81352			5	
	ia d	- payted by alternative miner of blk and e grey materials	-	70.] 51		grequence? with with with with	10 Pai			engtz-conb		80						
	HC ap	Pt and togget with A but in place it pears cherty (H 6.7)	30 7 W				core is laced this	20 30 40 50	4 -/.	* 5	S VEN	74%	00	2.7	81353			nd	
	30	oles are shown in		80			atz-carbo veins, Py occurs as strong fin disseminations and	12 70 70 80 80 90		2	ESS plan			21	01333				
	ha @ alo als	ve a slatety cleanage	0 %	NAME OF THE			the py often app concentrated with med grey calcare material (remob.	6013 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 %	bedding of	nd shearing player	85	90	60 8	31354			5	
	U Just		I	90	at a late) sed. beas:)	70 60					80			-		1.	

HOLE No. 85-62 SHEET No. 2 of 8

ROC	X TYP	ES & ALTERATION	1	GRAPH	iq		:	FRACTURE	0 4	BOTTOM DEPTHS		C+1-+1+4			ASS	SAY RES	ULTS	
	1		7: :		1 20 =	•		ANGLE TO	IMATED PYRITE	LEACH CAP		Core	ROD	Sample	%	%	ppb	Calinete
	What		Z to Corr	LOG	Yoles A to Cor	Width		-FREQUENCY-	# ST 1M	SUPERGENE REMARKS	7	7.		Number	Cu	Мо	Au	Crois
		in places, the argillities interbedded with			4	s ¹ .	broken.gone - posi	0 1 10 20 30		two forms of py	931/2	and it	a.ex	47.0240		. 200	4	
	te .	a dk grey greywork which is distinctly from rotal (exe grown) and showenly weak peading Also present are beds of impure	70 WK	100	1		fault.	40 30 60 70 80	5.0 %	massive py with carbon 4		80	17	81355			10	Ť
		med grey chert, usually with strong py min.						0		1	102							
		(chemical sedis)	5- 45 Mod		7	4'		20 30 40 50 50 50 50	6.0%	dissem py 2 10" rounded blebs dist		80	57	81356			nd	an.
- 0.	-			1110		•		0			11	1	-	-			167	
			45				broken some with py	0			131/2	60						
*3			Mod	20			stanks and larger yem	0	4.0	* appears to replace ble argulite - is sharp 118 corroded "contacts	24	80	3	81357			nd	
		- first good strong	35-	11 11				,1		12 No. 201	23	70						
		material - the grey	50 5tr				Several 14-14" beds I mossil sy-grey care concordant with bedding	21	4.0	37 8	.7	80	10	8:358			5	
		bands are prob qts,		130			84			ble areallite		10						
4		brown (ankerite !) - some of the bards are	Trans				20			13'							10	
		similar to the larger	80				30 40 50 50 50 50 50 50 50 50 50 50 50 50 50		3.5	13		во	17.	81359			·nd ,	
1			E	140			90					50		- 10		1 12		to t
7	44	small scale folding and cren between	E	4		1	20			142								10
			TIMETHING WITH	150		3	no massive py beds 30 40 40 40 60 70 80		1.0	25.5	100	0	17 8	81360			10	

HOLE No. 85-62 SHEET No. 3 of 8

ROCK	TYPES	ALTERATION	1	GRAPHIC	-		:		FRACTURE	٥ ,,	BOTTOM DEPTHS	7				ASS	AY RES	SULTS	
			L to Core	GRAPHIC LOG	Value	Width of Vala	Ulascellialia		CORE AXIS	# STIMATEO	LEACH CAP LIM. ZONE SUPERGENE	7	Core Recessry	ROD	Sample	% Cu	% Mo	Prb Ao	Estinate
	The	om 150' to 230' ' I ve appears as a at lying, thinly doed requence- minae gen. range	80	2 2.5			5	•	0 (10 20 30 40 50 60 70 90 90 90	1.0./	REMARAS	157	90	1 3	81361		•	nd	
	This from med cross very about	ick and range in jet block to d. grey. Py and iss cutting gts.carb as are much less and than the ra	80 51v.	160					90 90 0 10 20 30 40 50 60 70 90	1.0%	: #	166	85	47	81362			15	
	beto	ween so to 150'	80 314	170					0 10 20 50	1.0 %		176	90	37	81363			nd	
		1	70- 80 SK	180					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.s y.	li di	185%	90	33	81364			nd	
		1	A 89°	200			t	56 56 66 70 80 80 80 80 80 80 80 80 80 80 80 80 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o%		196%	90	13	81365			10	
		6 BC Ste	Thirting Thirting	210				90 20 30 40 50 60 70	1.	o %		204	90	23	31366			nd	

HOLE No. 85-62 SHEET No. 4 of 8

*****		7	GRAPHI	d	1		1		BOTTOM DEPTHS	1		T	oi		AY BE	STI ITS	
TYPES	8 ALTERATION	-:-	LOG	2	1 :	1		377	LEACH CAP		C e 1 . e					7	
8 9 2		Z to Co Felletta	Zestege.	Vales	Width	. Blacestia	CORE AXIS	# PYR.	LIM. ZONE SUPERGENE REMARKS		**************************************	ROD	Number	Cu	Mo.	Au	Crade
		50 ·		S. HIC		### ### ### ### ### #### #############	10 20 30			215	70	177				A Jan	
		34+		5.	34	4+2-0-x-64	50 60 70 80	I+D				15	81367				
			220	80+2	11012	qtz. ank -py			12 4	224	80	47					
		Str St. Crea					40 50 60 70 80	1-6			70	15	81368			nd	
- 18	The re changes to		230				90			231							
	argulate with a loss	?				and broken	50	2.0		235		0	81369			5	
	and stiner in py	$-\parallel$	240			> graphitic	00				50						
		-	W. V. P.	:	z '	99-64 Court 3	0	2.0		247	70	0	81370			nd	
			250 4		u-	99-bx 8	0				70						
1	Form bonding with	80	H.	800 %	L"KZ	9 12 - carb = 2 22				253	20	33	21371			10	
1 100	it and should ofgrey attended - almost	1	260			50 66 76 80		2.3	+				3.2.1				•
av vn	some of the sulfides or not visible to the orded eye > clots of	THUM!				10 20 30				1400	80	20					
luc	ere noted by binocu. 3					50 60 70	-	5,5	2			20 9	31372			na	
	T Con Call In Many Con Can Call In Many Con Can Call In Many Con Can Can Can Can Can Can Can Can Can Ca	alternating bonds of like and shade of grey material - almost varue-like. - some of the sulfides are not visible to the unoided eye > clots of Py? in a light grey mater a livere noted by binocu. In croscope. Si. incr. in	from 250' to 250' the re changes to a more mossive bile argulite with a loss of obvious banding and an increase in graphite and shiner in py from 250' to 248' the rectured to the work bands of the py and shiner in py from 250' to 248' the gard and increase in graphite and shiner and py and shiner in py from 250' to 248' the sand and increase in graphite and shiner and py and increase in graphite gard alternating bonds of the sufficient was and usuable to the value like. Some of the sufficient are not usuable to the value had by binocu. Street are noted by binocu. Street are noted by binocu. Street are noted by binocu.	from 280' to 250' the ru changes to a mare massive ble argulate with a loss of obvious barding and an increase in graphite and striner in py from 280' to 348 the transcription of the surface of gray material — almost vorue-like. The returns to strong to the sulfides are not visible for the violed eye of clots of py? in a light gray material is a light gray material was not visible for the violed eye to clots of py? in a light gray material was not visible for the violed eye to clots of py? in a light gray material was not visible for the violed eye to clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material was not visible for the violed eye of clots of py? in a light gray material so the clots of	From 250' to 250' The re changes to a more massive bile argulite with a loss of abuser barding and an increase in graphic and striner, in py 240 From 250' to 248 the re returns to strong uniform bonding wife alternating bands of hit and should ofgrey material - almost vorce-like. - some of the sulfides we not visible to the unoided eye of cots of py? In a high grey nature 80 livere noted by birrocu. Str. mirroscope, 51, incr. in mirroscop	From 250' to 250' The ru changes to a mare massive bile angellite with a loss of obvious banding and an increase in agraphile and sliner in py 240 ** From 250' to 345 the ru returns to strong uniform bonding with a loss of business of strong uniform bonding with a large massive bile and she increase in such as a she of organ material - almost varue-like . Strong uniform of the sulfides was not visible to the one of the sulfides are not dish gray material - almost varue-like . Strong of the sulfides are not visible to the one of the sulfides are not visible to the organ considerate to th	From 250' to 250' The re changes to a manage to a man	### ### ##############################	### ANGLE TO COME ANGLE TO COM	ANGLE PO CORE ANGLE ANGLE PO CORE ANGLE FREQUENCY SUPERCENCY S	TYPES 8 ALTERATION	### SPANTER SALTERATION SA	### ALTERATION GRAPHIC FREQUENCY FRE	## 100 100	### ANGE 10 10 10 10 10 10 10 1	### SALTERATION 100	TYPES & ALTERATION ORTHOGOLOGY STATE ST

or as cubes strong out along bedding planes.

GRI	-	
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HOLE No. 5 of 8

BOCK	TYPES	B ALTERATION	1	GRAPI	ніф			FRACTURE	10	BOTTOM DEPTHS				T	AS:	SAY RES	SULTS	-
		a ACTERATION	L to Corre	Visition	Yelns Value Australia	With at	Ulastification of the state of	ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED ", PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARS	01000	Corretor Corre Recovery	ROD	Sample Number	% Cu	% . Mo	PPb Au	Crede
		throughout this hale there is a common association between py and a light to med grey colcarious gangur both as concordant	go str	MANNA MITTERS	80.23	<i>Y</i> ₄ r ₂ .	carb - grophite = = = = (a coal-like blue missed)	0 1 10 20 30 30 60 70 90	1.5		277	90	30	81373		***	69 2005	
+		both as centerdant layers and as random coots		280	1	-		90 70 0 10			283	80						
			,		4		highly broken some (Foutt?	0 10 20 30 40 50 60 70	2.0		286	70	10	81374			10	
				290	4)	701 501 90			289	70						
			70. 80 str.		A sa			0 10 20 20 30 10 50 60 70	15		296	70	17	8(375			5	
1			THE WHITE	300				00				80						
			70 - 80 31,				13	01	2-0		303	70	33	81374			5	
1			1	310			} core laces with at-colors &	0										
		-	70 80 Ste					0	3.0		317	90	27	81377			nd /	·
+	+			520		30 m) ex		-		-	80	-		1			
		7	(o.	in .	80+70+30	5×2+3	well banded sulfide-carb tayers - strong suggestion of sed mentary arigin of sulfides gt3-carb xs 42 66 66 66 66 66 66 66 66 66	3	3.0	13	324 1/2	30	37 8	31378			5	

HOLE No. 85-62 SHEET No. 6 of 8

ROCK	TYPE	S & ALTERATION	1	GRA	PHIC			FRACTURE	0	BOTTOM DEPTHS					ASS	AY RES	ULTS	
	•		L to Corr	Vellellen Allevellen	Value Value A con	widh of	Maceritadia	ANGLE TO CORE AXIS -FREQUENCY-	ESTIMATED % PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARS	Feeter:	Core Receivery %	ROD	Sample	% Cu	% Mo	PPb Au	Cred
			45. 70 51r					0 : 10 20 30 40 50 60 70 80 80 80 90	2.0		353	0	47	81379		Ť	nd	
			. 60	32	2 7052	72.62	Some clots of 100% py	70 90 90 10 10 20 30 40 50 60	2-0		343	90	63	8(380			5	
3 -0		348 RRECCIA UNIT (348-358) a mixture of sharp argillite frage fine gru dk grey greywacke		35	5 to 2 + 30	1/4 x 3	973-carb	50 90 0 10 20 20	1.0	I not a fault breccia	3511/2	80	30	81381			5	
		GREYWACKIT UNIT (358- 409') mainly a fine orn du grey cluster re consisting of round	30- 4s	360	B0 + 4 x	1"+3/4"	otz-carb	50 60 70 70 70 70 70 70 70 70 70 7	-5 7		366	9.5	60	81382			nd	
		pale to de grey grains up to Ken did and accossional share to accossional stage to blk argillate. This re also contains minor	70	370	60	274-	1	2	.5?		376	85	30	81383			5	
	9	blk argillite plus pressia zones of blk praillite in a greyworke are Sparse. The re Figges readily sith her and is prob. quite calcareous		380	45	Vs.	9tz-carb 22 2tz-carb 22 2tz-c				385	85				31/1		
				390	40	8"	9t3. carb. Ione		0			90	50 8	31384			10	

GRID____

GIBRALTAR MINES LTD.

HOLE No. 85-62 SHEET No. 7 of 8

ROCK	TYPE	S B ALTERATION	1	GRA	PHIC			FRACTURE	9	BOTTOM DEPTHS					ASS	AY RES	ULTS	
			L to Corr	Alleration	Stretion S	Width of	ulher-ribatic	ANGLE TO COME AXIS -FREQUENCY-	# PYRITE	LEACH CAP LIM. ZONE SUPERGENE REMARKS	feeter; 0100000	Core Recovery	ROD	Sample	% Cu	% . Mo	PPb	Calinete Grade
				1	60:+80	Y2 e =	gts-carb es	0 1 10 - 20			393	90			GENERAL S	*	**	UE-1794
.			20		70-50 + 4	Y=++	qts-carb (ank) + +	0 10 20 30 40 50 60 70 80 90	0		397	50	30	81385		*	5	
-	- 6			1 40	10	y ₂	gtz-carb	90 90 0	-		-	75						
			70 WK		45 +80	Year	qtg-carb (ank) xz	30 40 50	0		405		10	81386			5	
		409		410				0 10 20 30 40 50 50 50 50 50 50 50 50 50 50 50 50 50				75		yar, eo				
		SHATTERED			4			0 10 20			410 /2	50						
		LASGE FAULT (409-449)	7		4	10'		601	0		416/2	50	0	81387			٥١	
_	_		_	420	1			70 90 0			420	25						
					2	ie ^t	highly broken most	20				25	0	8(388			nd	
			7	den	2		and miner 5%.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		427			0,000				
							9	0			432	15						
			:				3	0	0		436/2	20	0	81389			nd	
1	1	1	_	440		14,	highly broken hock &	2			115	10	1		-	-	-	
	1		,				highly broken rock B		1		442	60	7 8				nd	
		4.49				- 1 - 1	56 64 76		0		947	55	/ 8	31390				
				450			50				11.6	-						

HOLE No. 85-67 SHEET No. 8 of 8

BOCK	TYPE	S & ALTERATION	1	GRAPHI	9	0.00		FRACTURE	a .	BOTTOM DEPTHS					ASS	AY RES	ULTS	
T		I ACTEMATION	: .	LOG	1 .:	-	:	ANGLE TO	ww	LEACH CAP		Cometee	ROD		%	%	1	
		如何是"一"。	0 =	ii : .	Valas Pa Core Auli	4 5	4	CORE AXIS	PYRIT	LIM. ZONE	1 2 2	Recerry	ROD	Sample	10	10	pph	Estine
			L to Corr	LOG	1	width	night in the second	-FREQUENCY-	%	SU PERGENE REMARKS	- 5	7.		Number	Cu	Мо	Au	Cre.
		GREYWACKE UNIT (449-498') similar to 358-409 but grades to a	70		tore	* Noxx.	buffeto arcenish bed (ark) with	0 1 10 20 30 40 50 60 70	1.5		457	60	20	81391	•		5	
133	1.6	pale greyish green		460	3}	31 7	texture	90				0.5		100				
	1	laminae and beds are still present		1		,		20	1.2		464/2	85	a 11 3					V.
		the total amount of argillareous sed is less -ie ~ 150/0	70	470	: }	+' }	as above - zones of buff-green weathereng spherolitie? tex re alternating with graphite-gts be and intense gts-carb(ank) stock where	0	1.0			80	13	81392			nd	
	1		70 to	44		s'	100	0			47/	60					三十 表	
•			45	180	5	c "	99-be 29	0	, \$		475	70	7	81393		AF 10	rd	
	,	ayers		4 4 5		2'	Shattered 3 one 20				482					52.5	g. W	
			45 60	490	100	X S W S	blk laminae 80		2.5		490	60	10	81394			nd	
					e de la la		5 ans * 30			dy-carb halos (sweets?)	194	80		2		-80		710
-		EOH 498	Ш			5	40 50 60 70		3.6	blk avgillite	498	70	10 8	51395			5	
				500			90 90 10 20		2	100000000000000000000000000000000000000	EON		TO A CO	778		17.45		
		B.D.B					5 ans * 30 60 70 80 90 90 90 90 90 90											

