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	TRANS. #

DIAMOND DRILL REPORT
on the DOR CLAIM GROUP
Cariboo Mining Division 93A/7W
(Latitude 52°17.5', Longitude 120°57')
OWNER: EUREKA RESOURCES, Vancouver, B.C.
OPERATOR: Gibraltar Mines Limited, McLeese Lake, B.C.
G. Barker, G.Bysouth January 4, 1990

GEOLOGICAL BRANCH ASSESSMENT REPORT

On the DOR CLAIM GROUP

Cariboo Mining Division 93A/7W (Latitude 52°17.5', Longitude 120°57')

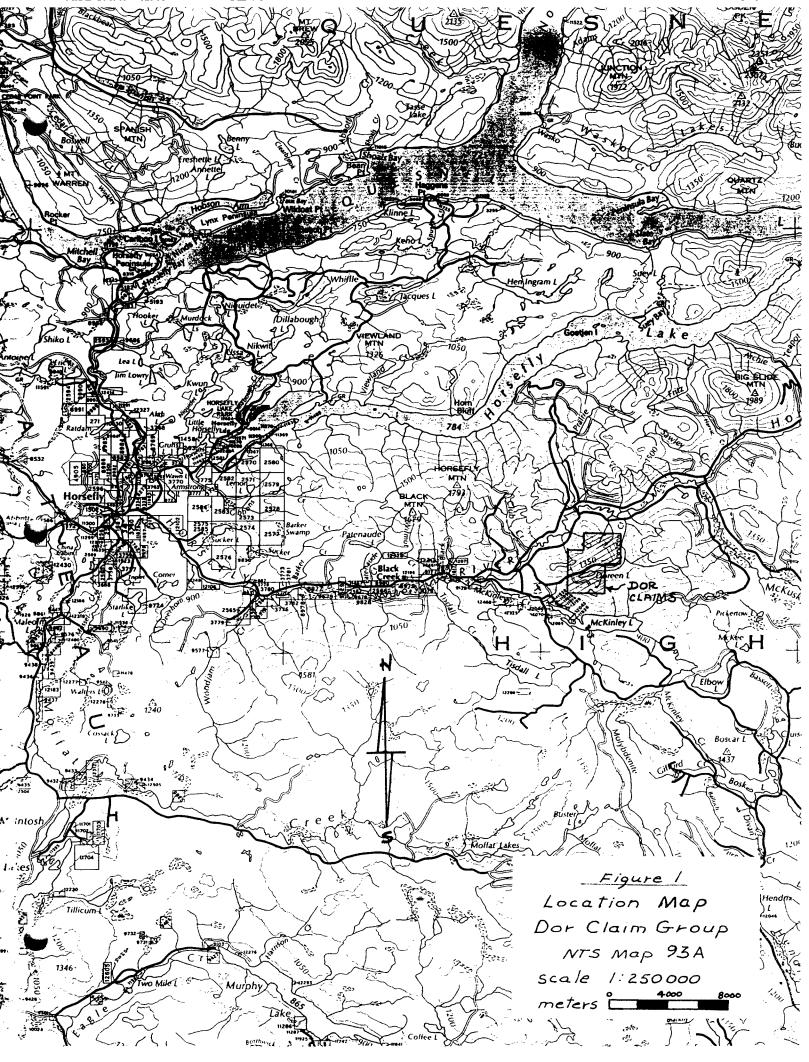
OWNER Eureka Resources Inc. 837 East Cordova St. Vancouver, B.C. V6A 3R2 OPERATOR
Gibraltar Mines Limited
P.O. Box 130
McLeese Lake, B.C.
VOL 1P0

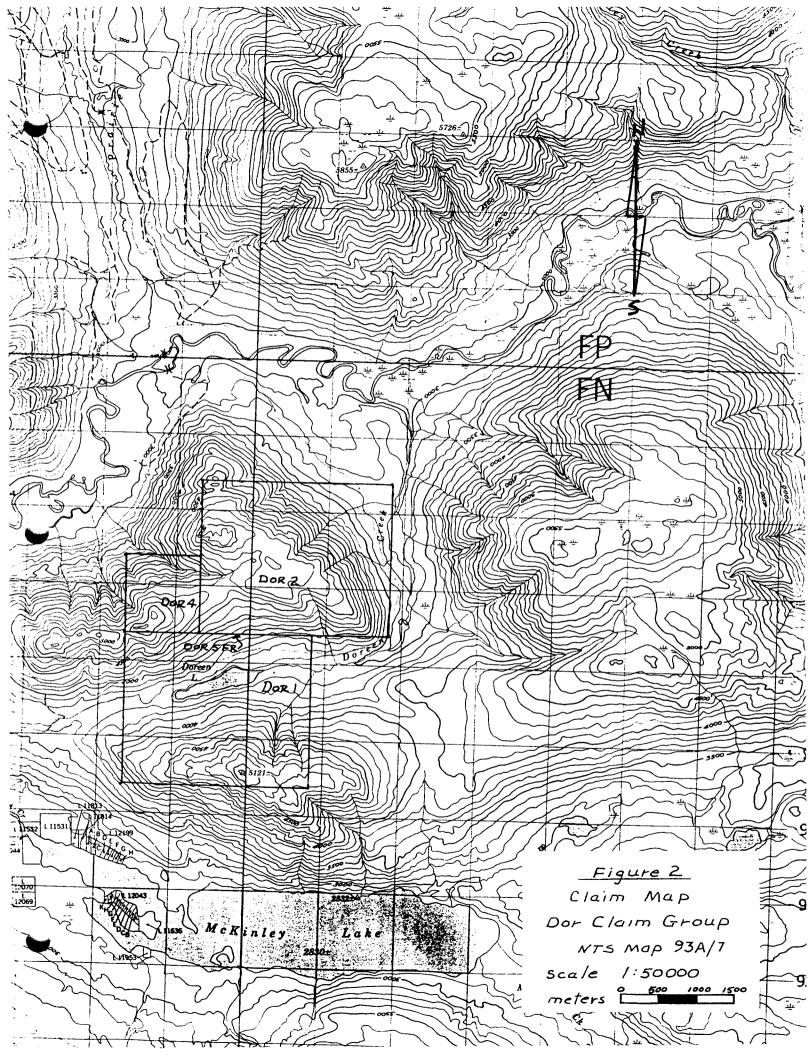
Submitted: January 4, 1990

Authors: G. E. Barker G. D. Bysouth

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1. INTRODUCTION

The Dor Mineral Claim Group is located in the Cariboo Mining Division approximately 32 km. east of the settlement of Horsefly, B.C. (see Figure 1). The claims lie at elevations between 3700- and 5100-feet within an area of moderate to steep relief and generally poor drainage, typical for this part of the Cariboo District.

Access to the claims is provided by an all-weather logging road which extends easterly from Horsefly along the Horsefly River for about 35 km., to a branch road leading to a logging area east of Doreen Lake. (See Figure 2). The main area of work lies along a south-facing slope north of the east end of Doreen Lake, and can be reached by a four-wheel drive type of road which extends up the north side of Doreen Creek from the main logging road near the Doreen Creek bridge.

The first record of work in the Doreen Lake area is provided in the Minister of Mines G.E.M. Report for 1974, page 239, in which Dome Exploration Ltd. and Newmont Mining Corporation are described as doing reconnaissance geological mapping and geochemical soil sampling over an area of minor pyrite and chalcopyrite mineralization. In 1981, this approximate area was restaked as the Dor claims by Keron Holdings Ltd., and a subsequent soil survey revealed anomalous zones of gold and copper enrichment. The Dor claims were later acquired by Eureka Resources Inc. who undertook a program of soil sampling, geological mapping, rock chip sampling and VLF-EM surveys. By 1983, a large east trending gold soil anomaly had been outlined, and numerous zones of gold enrichment established in nearby hornfelsic rock. A significant east-trending E.M. anomaly was also delineated which was largely coincident with the geochemical anomaly. In 1984, the Dor claims were optioned to Noranda who confirmed the E.M. anomaly and tested it with two short drill holes. The holes encountered a narrow zone of massive pyrrhotite and several zones of gold enrichment. In 1989, the Dor property was optioned to Gibraltar Mines Ltd.

This report covers a diamond drill program conducted by Gibraltar Mines Limited during the period August 14 to August 30, 1989. Six holes were drilled totalling 1212.71 meters. The contractor was L.D.S. Diamond Drilling Ltd. of Kamloops, B.C. The drilling was confined to the Dor 2 mineral claim, but some drill road construction also extended to the Dor 1 claim. The core is currently stored at the Gibraltar Mines plant site.

2. MINERAL CLAIMS

The mineral claims of the Doreen Lake Property are shown in Figure 2 and claim information is tabulated below:

CLAIM NAME	RECORD NO.	NO. OF UNITS	DATE OF RECORD
DOR 1	3261	20	MARCH 27, 1981
DOR 2	4091	20	OCTOBER 15, 1981
DOR 4	10102	4	OCTOBER 4, 1989
DOR 5 FR	10103	1	OCTOBER 4, 1989

Dor 4 and Dor 5 Fr are currently owned by Gibraltar Mines Limited. Dor 1 and Dor 2 are owned by Eureka Resources Inc. but held under option by Gibraltar Mines Limited.

3. GENERAL GEOLOGY

The Dor claims lie within the Quesnel Trough, a linear North-Northwest trending belt of early Mesozoic volcanic and sedimentary rocks. The Dor claims are underlain by a series of sedimentary and volcanic units of Upper Triassic to Lower Jurassic age which includes a sequence of interbanded medium to dark green andesitic tuffs, flows and breccias, and green to black, aphanitic argillaceous units, some of which may have a volcanic origin. Banding and bedding is not easily observed due to metamorphism of the various units.

The above assemblage has been intruded by a stock of fine to medium grained diorite. Near the intrusive contact, the interbanded volcanic-sedimentary units have been thermally metamorphosed into hard dense light grey to black aphanitic hornfels. The hornfels commonly contains very fine grained disseminated pyrrhotite and pyrite, which in a few exposures appears to also be associated with disseminated chalcopyrite.

4. DRILL PROGRAM

4.1 Objective

The primary purpose of the 1989 drill program was to test the inferred bedrock source of the large east trending geochemical gold anomaly outlined by Eureka. A secondary purpose was to determine the geological nature of the sulfide mineralization found in rock exposures within and adjacent to the geochemical anomaly.

4.2 Results

Two vertical and four angle N.Q. diamond drill holes were completed. Some difficulty was encountered in drilling the hard, highly fractured hornfelsic rocks but recoveries generally remained above 95%. The location of the holes is shown in Figure 3 and copies of the logs are provided in the Appendices. Survey control was by compass, hip chain and topographic map. Assays of the core were unavailable at the time the Statement of Work was submitted.

Drill holes 89-1, 89-2, 89-3, 89-4 and 89-6 have encountered similar rock types. All holes for example, have intersected an alternating sequence of fine grained siliceous black argillite and fine to medium grained grey-green tuff. The tuff appears to be of andesitic or dacitic composition and generally lacks bedding structure. The argillite appears to be composed mainly of silica with minor and variable amounts of graphite and carbonate. Fine bedding structure is often shown by alternating grey and black laminae. Bedding angles, as indicated in vertical hole 89-3, suggest the sequence dips at 70- to 80-degrees. The thickness of the alternating tuff and argillite beds vary between one- and 40-meters. All the above holes also indicate the argillite-tuff sequence has been intruded by a series of grey seriate textured dacitic dykes. metamorphic effects occur on most dyke contacts and some brecciation of the host rock was noted in holes 89-2 and 89-4. A steep dip can be inferred for most of the dykes, particularly in the case of drill hole 89-2 which suggests the dyke contact lies along the 65-degree axis of the hole. Another dyke rock was noted in holes 89-4 and 89-6; this is a grey-green fine grained seriate textured hornblende porphyry having conspicuous black prismatic hornblende phenocrysts. All the rock units contain very fine grained disseminated pyrrhotite and pyrite which generally averages between one- and two-percent, and may exceed sevenpercent in some three- to six-meter sections. The relationship between pyrite and pyrrhotite is not clear, but there is some suggestion that the proportion of pyrite increases towards the west. Massive brown pyrrhotite segregations occur in many of the holes, particularly in hole 89-1, in which several massive zones up to .5 meters thick have been intersected. Minor chalcopyrite often accompanies the massive pyrrhotite. All the rock units are cut by numerous quartz and quartz-carbonate veinlets which occasionally also contain sulfides.

Drill holes 89-3, 89-4 and 89-6 have encountered higher grades of contact metamorphism associated with zones of plutonic rock. In the case of 89-3, a biotite hornfels was intersected near the bottom of the hole at 201 m., followed by a zone of grey diorite and more biotite hornfels. Further to the west, hole 89-4 appears to be confined entirely to alternating zones of biotite hornfels, recrystallized tuff and dacitic dykes. A four meter zone of dioritic rock was also noted. Still further west, hole 89-6 has intersected a sequence of breccias, zones of biotite hornfels and recrystallized tuff, and a 17-meter wide zone of grey quartz-diorite. The breccias are of particular interest. One zone consists almost entirely of quartz-diorite fragments. Another is a mixture of various plutonic porphyry fragments, some of which appear felsic.

Drill hole 89-5, which was the most westerly hole of the program, was confined almost entirely to a dioritic rock type. The diorite appears mainly as a fine to medium grained, equigranular plutonic rock consisting essentially of plagioclase and mafic minerals. Various degrees of propylitic alteration were noted throughout the hole, mainly involving a saussuritization of plagioclase and choritization of mafic minerals. Cutting the propylite were numerous zones of dark chlorite-green alteration assumed to be an assemblage of chlorite, silica and minor carbonate. This same alteration also occurs as halos and envelopes around certain quartz veins. Zones of massive epidote occur throughout the hole, as well as quartz veining accompanied by various combinations of chlorite, epidote and carbonate. Disseminated pyrite was noted in most of the rock in amounts averaging between one- and two-percent. Pyrite and pyrrhotite also occur in veins either alone or with the other vein minerals. One zone, at about 213-meters, contains massive pyrrhotite, pyrite and chalcopyrite in a quartz-carbonate-chlorite gangue over a width of about .6meters. Of interest in this hole, was the occurrence of hornblende porphyry dykes similar to those of holes 89-4 and 89-6, which were clearly intrusive to the diorite.

4.3 Interpretation

The diamond drill program has indicated the geochemical anomaly is underlain in part, by a contact zone formed between a dioritic pluton and an argillite-The diorite appears to have been altered by an early tuff sequence. hydrothermal or deuteric phase, which has caused pervasive propylitic alteration, and a later hydrothermal phase, which has caused localized chloritequartz-carbonate alteration. Sulfides, mainly pyrite and pyrrhotite with minor chalcopyrite and molybdenite appear to have accompanied the later alteration phase. The sulfide mineralization also appears to have been a relatively late event since it occurs in all rocks including the hornblende porphyry which is clearly younger than the diorite. The presence of a quartz diorite zone in hole 89-4 and felsic fragments in nearby breccias are of interest since it suggests the pluton is differentiated into more acidic phases. Narrow contact effects immediately next to the pluton, which involve the transformation of argillite to biotite hornfels and the recrystallization of tuff to granoblastic textured rock, suggests an epizonal level of emplacement. An irregular easterly dipping contact zone is also indicated by the distribution of biotite hornfels and

plutonic rock in drill holes 89-3, 89-4 and 89-6. The fact that the drill holes are distributed along a westerly axis, and each hole, with the exception of 89-5, has intersected the argillite-tuff sequence as well as numerous dacite dykes suggests that both the argillite-tuff sequence and the dykes strike close to a westerly direction. This appears even more likely when it is considered that both the dykes and host rock dip at 70- to 80-degrees, possibly to the north. If a westerly strike is correct, then this drill program has been confined to only a narrow horizon within the sedimentary-volcanic host rock formation. The drilling may, however, lie at a large angle to the thermal metamorphic gradient set up by the pluton; that is, the pluton at this point is considered to strike northerly.

5. STATEMENT OF EXPENDITURES

1989 Diamond Drill Program - DOR Claim Group

1. Site Preparation Costs Gruh's Bulldozing Ltd. D8H Cat Bulldozer, 42 hrs. x \$107.50 per hr. \$4,515.00 Rauch Lowbed Service 292.50 ----\$4,807.50

2. Diamond Drilling Costs LDS Diamond Drilling Ltd. All inclusive charge, 1213.71m. x \$56.89 per m. 69,049.44

- 3. Personnel Costs
 - 3.1 Field Work and Core Splitting
 - C. Trudeau, Aug. 14 to Sept. 1, 1989 120 hrs. x \$17.33 per hr.

P. Baatz, Sept. 12 to Oct. 6, 1989

184 hrs. x \$11.53 per hr.

2.121.52

2,079.60

- 3.2 Supervision, Core Logging, Report Preparation
 - G. Barker, Aug. 1 to Oct. 6, 1989

48 hrs. x \$27.38 per hr.

G. Bysouth, Aug. 1 to Oct. 6, 1989

24 hrs. x \$38.54 per hr.

1,314.24

924.96

6.440.32

TOTAL \$80,297.26

6. CONCLUSIONS

This diamond drill program has indicated a plutonic porphyry mineralizing system has been operative within the general area of the geochemical anomaly. An I.P. survey is now required over most of the property and the resulting anomalies must be tested by diamond drilling.

G. D. Bysouth Senior Geologist

G. E. Barker Exploration Geologist

GIBRALTAR MINES LIMITED

- I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:
 - 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 participated in the field work, supervised the program, logged about 50% of the core and interpreted the results.

Garry D. Bysouth

- I, George E. Barker, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:
- 1. I am a graduate of the University of Waterloo, Waterloo, Ontario, with a B.Sc. degree in General Science, 1985.
- 2. From 1978 to the present I have been engaged in mining and exploration geology in British Columbia.
- 3. I personally participated in the field work, logged about 50% of the core and interpreted the results.

George E. Barker

GIBRALTAR MINES LTD EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-1 Page 1 of 7

LOCATION DORFEN LA	KE	BEAR	360°	LATITU	10E _				CORE	5/2	<i></i>	VQ	w 22 27 11 11 11 11 11 11 11 11 11 11 11 11 11		
DATE COLLARED 15 AUG.	1989	LENG	тн <u>198·42 т (</u>	551') DEPAR	TURE -				DATE		SEF	T. 15	989		
DATE COMPLETED 18 AUG.	/989	D/P	55°	ELOVA	T/0N _			•	4066	<i>60</i> 8	Y G	E. 73	ARKE	R_	
	T				m	%	%	SAMPLE		ASS	AY	VALU	ES	7	
GEOLOGY	FOLN.	DEPTH	MINERALIZATION		Brocks	- 1	PY+	No.							
				CASING TO 3.66m											
ANDESITIC TUFF BLK ARGILLITE LINIT 3.66m to 39.8 m	-		3 8t3-carb 3mmx 2 45	fragmented = R	4 .88	90	1.5	85701							
Fine to med grained	+	6	minor limonite	() = minor amount	1	88									
grey-green volcano daste	:		* +0 6.8m	() = very min. "	7.92		1.0	85702						1	
sediments minor to mod.	<u>:</u>	1 7 1	9+3-(PO) lem 80°+00												
amounts of etz-carb as	:		atz-carb zmmxz you	siliceous zone		85								{	
viens and stock work (.w.)	4				10.97		1.0	85703			İ				
1 to 2:5% fine grain po-Py	:[12	×												
disseminated in core plus	:[19t3-carb 1mmx2 40°	- 50" to cove a x13		89								1	
small veins. Also small zenes	I	١.			14.02		1.5	85704	Ì						
of massive brownish pot	:-	15	Ŷ.		4			 							
(CP) Zones of Black aphantic argillite are noted on		_				90									
graphic Logi Core is quite		-	atz-carb.chl 5cm 85 x massive Pa((cp))		17.07	·	3.0	85705							
fragmented in places. History		/8	x massive po((cp))	1	-		-	 	 	 					
Mus Hander siliceous and	- -	.	11	poisa purple-		97	4.5	85706			•				ĺ
cherty zone are noted.	-	1	massive po	brown color	20.13	-	+3	05/00	1		-		Ì		1
hat	}	21	massive Po(CP)	·	-				†						
Tuff =	-	} ,				96	7.0	85707					1		
Argillite = E	<u> </u> -	1			23.16	2	1								
Argillite =	-	124	Ki .		7	96									
	1:1	1	19	h .	24.0	1 ' "	2.5	85708			1				
1	[: -	27	11	coarsergrained	26.8	4							ļ	<u> </u>	
		1		V		95	1								
]	R sharp shorty	29.2	1	2.0	85709							
		30	××	Blocking - Fragment	5					<u></u>	1			<u> </u>	<u></u> .

SCALE of LOG _ / 1200

EXPLORATION DIAMOND DRILL LOG

HOLE NOGXD 89-1 Page 2 of 7 ASSAY VALUES % % SAMPLE m. DEPTH BLOCK REC PY+ No. FOLN. MINERALIZATION GEOLOGY REMARKS slump features? massive po (brownish) 96 6.0 85710 core has a 32.31 crushed look 33 massive po (cp) chlorite 97 5.5 etz-carb. 3m x2 70° 85711 35.36 36 core is lighter massive PO (CD) ARGILLITE Lacy got 3 carb steet 96 in atzicave. 39.8 m to 50.6 m 7.5 85712 38:40 A dark green to black etush zone?) 39 aphanitic rock interbedded massive po (cp) with Lighter grey-neen 95 5.0 857,3 bands . Bedding appears to 41.45 te = 45° tocoreaxis. Core is 42 very angular and fragmented, otz-carb 5mmx3 40.450 to coreaxis 93 The rx appears to be siliceous 1.5 857/4 H=65-7, 1+c 3% sulprides 44.50 45 (potpy) disseminated and in gtz.corb 3cmx240 small viene + some small 91 1.0 "patches" of broken Per 357/5 47.55 Broken core surface has a 48 po (brown) dark chloritic lock, minor 90 etz-carb viening. 3.0 85716 50.60 HORNFELS ? 51 50.6 to 62.9m Similar to 39.6 in to 50.6 in 87 1.5 85717 except Rx is mainly grey 53.64 to grey-green intermixed 54 with dark areen to black core has a gypsum arushed lock 92 30nes, Some gypsum noted 1.0 85718 on fractures. 56.69 57 80 1.0 85719 59.74 1.5m of core lost 45 due to drill 1.0 85720 grinding. 62.79

HOLE NO GXD89-1 Page 3 of 7

SCALE of LOG			<u></u>			%	%	SAMPLE	 ASSE	77	PLU	<u> </u>	
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	BLOCKS		PY+	No.					
INTRUSIVE Dacite? 62.9 to 67.3m fine grained seriate	ND	66	\$\frac{1}{2}	Intrusive	65·84	<i>8</i> 5	1.5	85721					
texture, grain size upto Imm Consists of gtz, white feldspar and chlorite	ND		6+3-carb 1mx4 35.45°	Breccia - Hornfels	68·88	90	1.0	8572Z					
altered horn blende large angular fragments of availlite at contact.		72			71.93	96	1.0	85723					
Horn fels near control H 6.5 to 7. disseemiliated subtract		75	ptz-earls 3mm 45°		74.98	97	1.5	85724					•
Black application Rx similar		78			78.03	97	1,0	85725					
disseminated and in small veins and smears"		81			81.08	98	1.0	65726					
ANDESITIC THEF? 81.4 to 124.1m Afine to medium grames Rx		84	=			96	1.0	85727					
grey to gray-green color. Zones of siliceous (cherty)	1	87			E-4-72	90	1:0	85728		•			
Rx, fragmented in places, fragments are sharpand angular H 6.5-7, Some	2	90	Fault sone?	core lost. Drille triconed for 36	9	60	1.0	85729					
baids = 70-80° toccreaxis. minor of 3-carb. viens and stock work. Also some of black	2	93	×××××	cone - fragma sharpandangula	ds	80	0.5	65730		•			
Argillite with lacy of z-car stock work.	d -	6/	atzearb (lacy)		7,2.2	95	1.0	85731					

SCALE of LOG 1:200

HOLE NO GYD 89-1 Page 4 of 7

SCALE OF LOG		m.				%	%	SAMPLE	AS	SAY	VALU	FS		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	Brocks	REC	PY+	No.						
		99		large clasts up to 3 mm	1 1	97	1.0	<i>8573</i> 2					,	,
		102		PELK Avsillite	99:36	97	1.5	857 3 3						
	······································	105	Lacy of 3-corb	sooty looking	102.41	98	015	85.7 34						
		108	otzcarb, tom 45°	Slump ortlow ferdures	105.46	91	1.0	8573 5						
		-	etz-cerb-d.l., 3cm 50°	Booky bysicen cote	106:51	93	1.0	5 s 7 3 5						
•		114	small at zearb viens	s'iliceaus zant cherty tocking	111.56	94	1.5	85737						
		,,,,	X X X wk adzarbetokuul		114.60	95	110	85738						
· .		120	X of 3-carb, 5mm X2 40	- 50°	117.65	Eo	1. C	80 / 39						
· · ·		123	×	,	120.70	93	1.5	85740						
INTRUSIVE? 124.1 to 126:3m			*		/23.75	97	1.0	8 5741						
Similar to Rx@ 62.9 to 67.3 m (may be coarse volcanic tuff)?		126	X X		126.80		1.0	85742						

SCALE of LOG 1:200

HOLE NOGXD 89-1 Page 5 of 7

En W	mi	1	2		· •/-	. 6/.	1 0 5 t t - L			VEIL			
1.000.	DEPTH	MINERALIZATION	REMARKS	BLOCKS	% REC	% PY+	SAMPLE No.		ASSAY	7		1	Γ-
				129.84		-							<u> </u>
4,4		8 \	·:				n a* 7/1 7	- 1		1		ŀ	
}	1.32	Small cath viens			95	1.0	85 /4 5	-				1	
				132.89			 			 	-	├	
	1 7	(Silveri P				1.0					1	l	1
	135	slumpingrivislan fe	vinves	1.	97		20/44	1				l	
		1		135.94			 			-	+	-	
	1	3				115			- 1				
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	100	· A.	L	138.99							ļ		
	1	Y				1.0							١.
	14,	Scherly Looking	'		94	, ,	55 /46	1					
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	Ť	Nat-carb lanx2 450		143.08		1.0	0.514.6	- 1					Ċ
	147	10 10 10 10 10 10 10 10 10 10 10 10 10 1] [· .		00/140	}					ŀ
	:			1	>6								-
	7	4		148-13		115	85740	j					
	150	} tuff! comse from	ments apto 3mm		∴ -				i				
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1 1	7			151.18		1.0	00750	i	ľ				
	153	;	4		0.5		83730	- 1		1			
		" Lacy " of 3 terr b state	(6.6 ; 1.7	1 1	95		-						
				154.23		1.0	ceyer	ı				, i	
	156	"lacy"atzentb stack	work .		06		E0/21			1			
		P			סכ					-			
	75	small smears of		157.28		7.0	G= 7E7	l	ľ				
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		}].	7/					-			
	1			160.32		1.0	81712						
l i	,,,, 1						63/55						
		135 138 141 147 150	132 Silicecus Rx slumping and slow fe 138 Sats-carb Icm 60 [lacy "ots-carb stacte un 141 Schertly Looteing 144 X X at-carb lcmx2 45 147 150 Luff! comse from 153 Lacy " ots rainb stacte 153	Silicechis Rx slumping and flow features 138 Stacarb Icm 60° [lacy "etz-carb state un tz 141 Schertly Lootzing 147 Luff! coanse fragments up to zmm 150 Lacy "etz-carb state work 156 Tilacy" etz-carb state work 156 Tilacy "etz-carb state work 156 Tilacy "etz-carb state work 157 - po on fractures	132.09 135.94 135.94 135.94 135.94 135.94 135.94 138.99 138.99 142.04 144 142.04 142.04 142.04 144 147.08	132.09 132.09 135.94 135.94 135.94 135.94 135.94 135.94 136.94 136.94 138.99 147 150 147 150 16 16 16 16 16 16 16 1	132.69 1.0 1.0 1.0 1.0 1.5 1.5 1.0 1.5 1.0 1.5 1.0 1.5 1.0 1.5 1.0 1	132.09 1.0 50744 1.5 50744 1.5 50744 1.5 50744 1.5 50744 1.5 50744 1.5 50744 1.5 50744 1.5 50745 1.6 50747 1.6	132.09 11.0 50794 15.5 507	132.09 11.0 85744 135.94 11.5 85745 11.6 85755 11.6 85755	132.09 1.0 65745 1.0 65755 1.0	132.09 11.0 65797 11.5 657	132.09 11.0 50797 11.0 507

HOLE NOGXD89-1 Page 6 of 7

SCALE OF LOG		<u> </u>	П			T	%	%	SAMPLE		A5.	SAY	VALU	ES		
Geology	row.	DEPT	. ₋	MINERALIZATION	REMARKS	BLOCKS		PY+								
			丌				97									,
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·		165				_	97			,						
				"hacy" atz-earb		166:42	1 ' '									
			\mathcal{L}	otz-carb lem 45°		16672		2,5	85755		İ					
,		168	Ц		6	_	96					ļ				
_			1	Swelded tird? Small intrusion zin	es aban sum	169.47	1									
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		171	\perp	<u></u>	·	4	98	ļ			ļ					
			┨		Bedding uncible	172.52	_							İ		
			4		45° to cove axis	72.50		1.0	85757		ļ					
		174	+		11 / 5	4	98				 	ļ		 		
			4	fine grained silic stump and flow fea ught coored swit	tuci, dark and	175.56		1.5	85 758							
			اراً۔		pattern.			1 ''3						l		İ
		177	×	> large clasts up to	lcm :	-	98			·			 			
			+	breceinted appe	wance	178.61		1,0	<i>85709</i>							l
6-		180	\dashv	tuff - grey wacker slumping, flow, and				1,,,								
	<u> </u>	180	k	Vinternixed come	- fear naterial	-	97		 		 	 	 			
		ĺ	\forall	MK to light over.		181.66		110	85760							
		183	+	ļ.			ľ	,								
		1,67	卞	atz-carb Icm 50°		-	96		1		İ	1.		 		
			1			184.71	<u> </u>	1.5	6:721		ĺ					
		186	1	İ				Ĺ							·	
IMPRUSIVE (andesite)?		T	T	·		7	97			<u> </u>						
188.5 to 1910m	1		Tx	small fault?	Budly broken covers	187.70	<u> </u>	1.5	85762			1	1			
grey green with gtz-comb		189	Ķ	small fault?	senie goute;	<u>.</u>	ł						<u></u>			
stock work- Hanfels atcontacts							95								1	
			ľ		Breccia at contact	190.80	2	115	85763]				
197 10 to FOF		192	1	crushed zone with	<u> </u>		4.5			<u> </u>			<u> </u>	<u> </u>	<u> </u>	
the avoined Printerhedded			1	γ .	:		98		1	<u> </u>					1	
with small genes of Black						<i>193∙8</i> 0		1.0	85.7 04							
Argillite, min gtz carb viers. Cherty looking from 196.5 to EOH		195	1				1		1		<u></u>	1		<u> </u>	<u> </u>	<u> </u>

SCALE of LOG 1:200

HOLE NOGXD 89-1 Page 7 of 7

ALE of LOG			1	T		%	0/-	SAMPLE		ASSA	Y V	ALUE	٤		
GEOLOGY	. لذن تا	m DEPTH	MINERALIZATION	REMARKS	Brodo	REC	PY.								
			sta-comb kim 50			97							,		
• .		, , ,	po-py emeans on	fredures" rosets"	196.90	98	1.5	85765	1				-		
END OF HOLE		198	3		195.42										
														İ	
	-				-									-	
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									1	I/					L

TEB

HOLE NO GXD 89-2 Page 1 of 7

LOCATION DOREEN L	AKE	BEA	R	NG 360°	LATITU	OE _				CORE	S/26		/ O			
DATE COLLARED 18 AUG.	/989	. LEA	<i>1</i> 67	rH 198.12 m (550') DEPAR	TURE -				DATE	19.0	OCT	1989			
DATE COMPLETED 20 AUG	./989	. D/F	٠.	65°	ELBVA	T/0N _				L066	<i>60</i> B	γ <u>-</u> G	E · BA	RKE	R	
			77	· · · · · · · · · · · · · · · · · · ·			0/	%	4		A55	AY	VALU	ES		
GEOLOGY	FOLM	m. • DEPT A	\prod	MINERALIZATION	REMARKS	BLOCKS	% REC	PY+	SAMPLE No.							
NDESITIC TUFF- ACK ARGILLATE LINIT	-		XX	Commented core X	casing to 3.05 m bodly broken core	4.88	50	0	85766							
3.05 m to 32.3 m	1	6	17		possible faut											
Tuff = argillite =]	-		П). small fault (min.gouge)	crushed zone healed with earb,	7.92	90	0.5	85767							
In intermixed zone of		9	N	gtz-carb-2cm-55°to) Heated with Edity											
lack aphanitic argillite and fine to medium grained	::		7	fine potpy viens lim	Slumping and	10.97	94	1.5	<i>85</i> 768							
alcanic tuff. Tuff is light	-	12	- ₹	fine potpy viens Imm stack work stack work (off set)	flow features											
grey to grey green in color with fragments up to 5mm		1/6	+)		96	,,								
minor gtz-carb. stock work	==-	1	4	•		14.03		1.0	85769		-				į	,
and vienlets within zone, 1 to 2.5% finegrain salphides		15	t	carb 6mm 50°		1	93									
popy) are disseminated in			7	i i		17:07		1.0	85 770							
core plus small viens and smeats? Cove is fragmented		/8	+	<u> </u>		-										
in places. H=5-6			+	po (brown) fine viens + small patches	lightgrey some	20:11	95	1.5	85771							
	 	21	¥	min etz-carb viens	grain size mereas	-	98		 							
Albania National Albania National Albania	-		1	fracture surfaces	shistic - increase	23.16	1	1.0	85772							
A. T. B.	<u> </u>	24	-	smooth-platy darkchl min carb stock work	III Endicernicales	4	1		 	-	ļ <u>.</u>		 			
			-			26.2	97	2.0	85773							
A.	<u> </u>	27	+	po-(py) "stock work"		-		-		 	<u> </u>		 			
	1		1			29.2	96	1.0	85774						:	
		30	- 1	1		1			1		<u> </u>	L		L	ļ	

HOLE NO GXD89-2 Page 2 of 7

	T	T	.]	,,,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		%	9/.		AS.	SAY	VALU	ES	
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	aroca W		% 7%	SAMPLE No.				_	
INTRUSIVE (DACITE?) 32.3 m to 56.3 m INTRUSIVE = Hornfels =	-	33	x sta-carb lem so ? Po(brownish)(py)(Bo))	· ·	32.31	96	3.5	85 775					
Breccia fragment A fine grained seriate textured	ND •	36	_		35:36	97	1.0	85776					
Rx., grain size up to 1 mm Consists of qtz, white followers and chlorite altered horn blend	20	39	fine lacy" po py viens	appears hole drilled along contact	38.40	9 7	1.5	85777					
Large fragments of argillite, upto 5cm scattered in intrusive. Blk. argillite has been altered at contact to	ND		stz-epi lem 60°	ĺ	41.45	98	1.0	85 778					
a light grey colored, hard (6.6) hornfels. minor carb stock work throughout 3018.	ND	45		matrix is a little finer grained greccia frags.	44.50	98	0.5	85 779					
Finely disseminated po-(PY)	ND ND	48		upto lem	47·5 <u>5</u>	97	1.0	85780					·
been drilled along or close to the contact between the intrusive Rx. and the	a م	-	X X po-py (fine stock work)		50.60	85	1.5	85781					
intruded Rx. Various contact of features - hornfels, brecom- are noted throughout the sone.	L	54	X	fractured - ha. a "crushed" appearance	53·64	90	1:5	85782					
BLK. ARGILLITE -	ND.		x x carb lcm 60°		56.69	96	1.0	85 783					
Rx: similar to core from 8.05 m to 32.3 m					59.74	97	1.5	85784					
		60	atz-carb stock work		62.75	98	1.0	85785					

HOLE NO (TXD 89-2 Page 3 of 7

					~	%	%	SAMPLE		ASSAY	VALU	ES		
GEOLOGY	. تبرين	יער לבל	MINERALIZATION	REMARKS	SLOCK	REC	771		Į	ļ	[]	!	Į.	7
L:	-		1								1			
ob ovetve leviki i de 1990	-	1 -	" (()			98		05-01	ł			ŀ	- 1	1
cherty lixting zone	1-	-	'smears "of po (py)			70	1.0	85 786	l			1	İ	1
<u> </u>		66	<u> </u>		65.84									
	L	4	atz-carb 5mmx2 45°		l 1	98		,	1					l
. · · · · · · · · · · · · · · · · · · ·	L					78	0.5	85787						İ
, 🔄		69	<u> </u>		68·88									
	L]	×	Broken core -					l				1	1
<u> </u>	ſ		2	fragments sharp and angular		93	1.0	85788		1	1		- 1	i
	_	72	earb 1cm, Bc°		71.93]	1]	- 1			1	
			gtz-carb-po 1cm×250°] '									
<u>[-</u>	†		1			95	1.5	85789			1		- 1	
	}	75	fine Lacy "atz-carb		74.98		'			İ	1		l	
<u> </u>	1	/3	7		14 70						 			
<u> </u> '.	}	-				<u></u>					1		1	
<u> </u> :	· -	-		1		97	1.0	85790		İ				
<u> </u>	 	78			78.03	<u> </u>	 		<u> </u>			 		
[;	·L	-			}		ì	İ					1	•
-	·L				1	99	0.5	85791]	- 1	1		1	
		81	ot3-carb 2mm x3 60-70		81.08		<u> </u>							
													1	
[:	.Γ				1	99	1.0	85792				1	. !	
]	:[84			84-12					l	1	ł	·	
l T		 	carb 5mm 45°	slump features "crushed" look	10712	 								
	<u>}</u>	-		crushed " look			, .	00-0-		1				
T (5 - : 4-2)	4		fine lacy of z-carb s.w.			98	1 '.0	85793			1			
INTRUSIVE (Dacite?) 86.3 m to 114.8	4	87	Time tarey 1013 Tons S.	 	87:17	├		 	 -		+	 		
1	1			.]	1									·
Rx. has seriate texture	1	.	8+3-carb 4mmx2 40	·		98	1.0	85794				1		
with conspicuous	4	90	"lacy" fine blk, viens		90.22			.	 			 		
hornblend Laths from	1	_	chi? mag		1		1			ļ.	ļ	1		
86.3m to 93.2m. Remainder of Intrusive is similar to	1				1	97	0.5	85795		1				
Rx.in zone from 32.3 to 56.3m	*	93		}		1	1				1	1		
1 1 1 2011 From 32.5 1636.3m	y 	1			93.27	+	1							
}	`	1 .	Mat stabuseb			00	1.0	05 70						
ļ	}	1.	gtz stak work Po (Py) ((cp))		1	98	1	85 796]·		-	1		
	2	196		<u> </u>		┸	ــــــــــــــــــــــــــــــــــــــ		<u> </u>			1	<u> </u>	L

EXPLORATION DIAMOND DRILL LOG

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		T				0/	9/		ASS	SAY	VALU	ES.		
GEOLOGY	FOLW.	TOEPTH	MINERALIZATION	REMARKS	Brocks	% REC	% PY+	No.						Name and
	7				96.32									
]		,		98	0.5	85797				ſ	1	
<u>BRECCIA ZONE</u> 964m to 108:5m	<u> </u>	99	fine lacy " qtz-carb		99.36									
sparce fragments up to 3 cm.	1	.	at3-ch1 5m 70"		7770								1	
,	↑ -	١.] [.			99	1.5	85798					İ	
	\	102	atz-carb zcmxz 400 Po((cp)) clots (patches)	po is breten color	102.41									-
	計		The Color (parents)	, , , , , , , , , , , , , , , , , , , ,			2.5	85799					ŀ	
	計	105				98	2.2	05/77	Ì				}	
 	<u>^</u>	705			105.46								 1	-
	計	'					1.0	85800					- 1	
		108	distinct biotite flake	grain \$ 13e		98				!			l	
	1				108.51									
						98	1.5	85801		ł			İ	
*		ш.	small py cubes		ريم ريا	/	<u> </u>		<u> </u>					
	1				111:56				İ				j	ł
·	<u> </u>	١.	fine lacy" po-ry vien	1	Ì	97	1.5	85802			l '		İ	l
	}	114			114.60			 						-
ARGILLITE			Levey" of z-carb stack				1, _	252-5						İ
14.8 to 117.6 m		1	1			98	1.0	85803	Ì					
blk. siliceous aphanitic Rx	5 5	117			117.65					1.				<u> </u>
nall viens of brown po + (py)	1/4		11				1.0	85804						
pto 10%.	计	120	X at 3-carb stock work			98								
•			with po(FY)		120.70	<u></u>								
NTRUSIVE (DACITE) AND ORNFELS ZONE 117.6m To 166.5m		ļ	microscopic bidite	⁷			2.0	85805	į	i.				
imixed zone of intrusive		123	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		·	99				<u> </u>				L
x. (similar to Rx. in 3011e 323	Ĭ.	'	atz-carb-chl-po-py several 0.5 to Immira		123.75	<u> </u>	-			-				
o 56.3m) plus grey-brown	弘		Several ois to Imm vier	S		85	1.0	85806				1		
ornfels. Disseninated orpy up to 2.5% plus fine	[]	126	X	<u> </u>	_	1				ļ	<u> </u>	ļ		ļ
iens, miner amounts of CP;	1		塚	Bodly broken cor (possible fault)	136.8	 	-					Ì		
It appears that the hole has			\$ 3.corb.po 5mx2 50			90	1.0	85807						
en drilled along contact.		1/29	Ma2 L 2111 - 21		j .	1	1	1 ' [ł	İ		1	į	1

EXPLORATION DIAMOND DRILL LOG

HOLE NO (TXD89-2 Page 5 of 7

		- m			m.	%	%	SAMPLE		ASS	AY	VALU	ES		
GEOLOGY	FOLN.	חו. ספראו	MINERALIZATION	REMARKS	BLOCK		Fe.S	No.		1					
N N					129.84										
	Γ]]		1.0	85808		1					•
		/32				98									•
· · · · · · · · · · · · · · · · · · ·					132.89										
	Γ		Biotite - epidote		1 1		1.0	85809						1	
	Γ	135	Biotile replace		_	97									
					135.94		1		1						
	L		V				1.5	85810							
		/38			_	98									
X	_	_	913-carb 3mm 450		138.99										
2	L				.		1.5	85811							
ينا المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية ال		141			4	97									
	1	_	& C. "I can" hit atoute		142.04										
(5)		_	fine Lacy blk, stock work che?				1.0	85812	1						
<u> </u>	<u> </u>	144			_	96									
	1	١.	$ \mathbf{x} $		145.08								1		
	_	.			1	l.	1.0	85813	1						
	1	147			_	96						 	ļ		
		.	small clot (cp)) with brown po		148-13]								l
		١.					1.5	85814							ļ
Breezia Sparce fragments up		150			_	97									
to 2cm			?"patches" of brown po		151.18	<u> </u>]			١.				1
		.	11		1		2.5	85815							
]	<u> </u>	153			_	98						 	ļ		
			ad ad a blimane "I cou!"		154.2	<u>. </u>									
siliceous blk, of		1 .	otzichl viens "Lacy") some brokenco			1.5	85816				ł	1		ł
Araillile	3	156	& Biotite (brown) atz-	Some Drokence	-	96	<u></u>	ļ				ļ	ļ		<u> </u>
	<u> </u>		X carbilacy "viens 12cm zone.	ľ	/57-29						·	ļ		1	ļ
Eveccia Spare & Fragments } upto 1.5em	<u> </u>	1.]]		1		1.5	85817							
up to 1.5cm	٢	159			_]	97						<u> </u>			
	L/	1			160.3									}	1
siliceous	<u>.[</u>	1	Ecorb viens Imm X5		1003		1.0	85818							
BLK. Arvillite	=	162				98	1	<u> </u>		<u> </u>	<u> </u>	<u> </u>	1		<u> </u>

GIBRALTAR MINES LTD EXPLORATION DIAMOND DRILL LOG

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Service (registrict) Service (registrict)		1	1	T	· · · · · · · · · · · · · · · · · · ·					1							
165 165	4.5		m		A			%	%		7	<i>~3</i> ,	PAY	VALU	<i>E</i> .S.		
165 165	GEOLOGY	FOLN.	DEPIN	Ή,	MINERALIZATION	REMARKS	Brock	REC	PY+	No.							
165 165		- '	-	$\left\{ \ \right\}$			46.7.77	98					l			. 1	•
According Sequences According Accord	Breccia	ļ- ,		$\{ \mid$			165.31		2.0	85819						. 1	
Accord Charle Security Accord Acc	sparce tragmans	 	165	H				96									
168 massive po + (sp) po = proper proper	15	- '		H	atz-carb lamxz 65°		166.42				l		1				
A mix well (11) 1 meta continued to the file of the fi	VOICANO CLASTIC SEDIMENTS	-		12	massive po +(cp)				5.0	85820							
1.5 1.5	Anixed unit of meta		/68	Ħ		J	}	98					ļ				•
121	sedimentary Rx (toff, chet)	-		1		mixture of coarse	169-47						•				ſ
## 172-52 172-52	siltstone, graywocke?) grain	-		┨		particals upto 2 mm	1		1.5	85821							i
174 X X X X X X X X X	size varys from apparitie		1.7/	+			{	97					ļ				
Fractures, troken tragments 174 x 25 25 25 25 25 25 25	upto 2 mm . BLK Ecoty	F '	-	ķ	small py cubes		172.52			1							
175 175	graphitic conting of some	 - '		ł×					2.0	85822			1				: L
178 15 15 15 15 15 15 15 1	tractures, broken tragmond		174	ř			{	95		<u></u>							
177	are very angular 17.6-7	-	١ -	۱۶		h	175.56										
180 100	KK W GIIICEONSI	<u> </u>		Ķ		Radly broken core			1.2	85823					ŀ		İ
180	<u> </u>	 	1777	×		Pool recovery	1	60		<u></u>	····						
180	[:	-	•	Ķ			178.61										
183 Pycubes 181-66 15 15 168-71 10 15 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71 10 168-71	l N	1		Ý		Drillers triconed			1.0						1		İ
Cherty, Lockring Light grey	l .	 	180	₽		h 4 Mis Ser III.	1	35		85824			-				
Cherty, Lockring Light grey	[;	†	.	٦×		core has a crusha	181.66		1.6								
Cherty, Locking Cherty	-	.†	٠,	۲ŝ	bucubes	11 look - hichly			'					Ì			
Chertly, Lociting Light grey aphanitic Hamiles INTRUSIVE (Ancile) 193 m to EOH 186 187-76 0.5 85826 190-80 1-0 85827	ļ ľ		183	t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1	75		×				 	 		
Cherty, Locking 186 187-76 0.5 85826 189 189 190-80 1-0 85827 193m to FOH 193m to FOH 193m to FOH	[.	<u>'</u>	.	1		1)	184.71		1.0	0-00-			ľ				l
Cherty, Locking X X 187.76 0.5 85826 189 X 190.80 1.0 85827 Intractive (Dacite) 193m to Eath		.†	106	1		ľ			'	80825				i			İ
Light grey aphanitic Hornfels TNTRUSIVE (Dacite) 193m to Fort			100	+			1	95			<u> </u>		 	 	 		
Light grey aphanitic Hornels TNTRUSIVE (Dacite) 193m to FOH 189 100 888 100 888 100 100 100 100 100	cherty,	1	'	٦×			187.76		0.5	85824			1	l			ĺ
Light grey aphanitic Hornids TNTRUSIVE (Dacite) 193m to Fort	Lociting	†	100	٦×		1	.			03020			1				İ
Light grey aphanitic Hornfels TNTRUSIVE (Oricite) 193m to FOH 193ms to FOH	[187	†			1	90					1.	 			
Light grey aphanitic Hornfels TNTRUSIVE (Oxide) 193m to FOH 193m to FOH 193m to FOH	1	1	1 '	7			190.80		1.0	85027			1				1
TATRUSIVE (Dicite) 193m to EOH 193ms to EOH 193ms to EOH	Lightgrey	 	102	٦×						10002/			1				
193 m to FOH Breecia 1.5 85828	aphanitic Hornfels	1		۴			1	88					 				
Brecc10. 11- 1- 1	INTRUSIVE (Dicite)	đ		1			193.85	:	1.5	85820			1		1	1	
sparce frags. uptolem (7) 195 X	sparce frags uptolem	1	100	٦×					1	100020							

GIBRALTAR MINES LTD EXPLORATION DIAMOND DRILL LOG

SCALE of LOG 1:200

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E of LOG					}	%	%	SAMPLE		A55	AY V	PLUE	٠.5		
GEOLOGY	FOLN.	M. DEPTH	MINERALIZATION	REMARKS	Brocks	REC	PY+								
Breccia -					/96.90	92				- 1	- 1	- 1	ŀ	-	
3	-	100	sta-carb Icm 50°	·	/96.90	95	2.0	85829							
)		198	a po smems	END OF HOLE	- 17076										
	-	-													
. }	 	 			1										
										1	ł	1	1	1	
-	-				1										_
	t						1								
-	-		<u> </u>		-		-	 							_
	t												1		
<u>~</u>	Γ	-		 	-		-								-
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1:200 EXPLORATION DIA OND

SCALE of LOG __

HOLE NO GXD 89-3 Page 1 of 8

LOCATION Doreen Op				LATITU									<i>J</i> •	
DATE COLLARED 20 AUG 1				ELBVA									ysout	
					m	%	%	SAMPLE		A53	AY	VALUE	<u> </u>	
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	BLOCKS		PY+	No.						
Casing To 4.88m		4												
Black Siliseous	?	, -,		broken rusty core	5.18	80	.5	86626						
Araillite (4.88m-201. m)		6.6 m	poss. small fault.	broken rusty core	7.34	70								
mainly a black to dark	ş			mud seam	8.23	۵	,5	86627					1	ĺ
grey aphanitic Compact 1x.		900		J	1									
with a hardness of 6-7. May be a hornfels. Most of the rx. lacks bedding	30	-	20°, scm, 9ts-carb bx-healed		11.28	95	1.0	86628						
structure except in short sections where alternating		12m	10 ,5 MM - Pyv carb.		1	95	1.0							
dark and light grey laminue impart a fine bedding - these	3 5	15 w	humerous 9tz-carb voinlets @ rt. L's to bedding		14.3		,,,-	86629						
angles are recorded in the foliation column. The vx. is "laced" by carlo. vcinlets in	45	18 44		} broken zone. } broken zone	17:37	80	1.0	86630						
places but contain only a minor amount of carbonate- fizz in acid is who or nil.	26- 50		25cm -40-light gray bed with inco pyr-py-(cp)		20.42	98	2.5	86631						
Py and Pyr. occur throughout a = microscopic dissim , segregis along shears and clips, and	7	-		dense blk massive section - cut by carb gash valuets +- py	23.47	98	1.0	£6632						
as massive lonses and clots - sulfide conc.'s occur up to so, but estimates are	45	24 m	4	broken section.	2652	95	1.0	86633						
diff. due to the fine gru- nature of the dissem fraction - was mod magnetic (pyr) - graphite content is prob not over low except in a few 1-2m sections	1	27m	ragged, sharp 50° conto	Grey-green feldspar Porp clay altid spa pheno's up to Smin in Crowded Serials	29.57	98	2.5	86634						

法

HOLE NO GXD 89-3 Page 2 of 8

	T	100			m	%	%	SAMPLE	 SSAY	VALU	ES		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION		BLOCKS		PY+	No.					
	50- 80	33m	30° by 300e healed by carb and clay all dayke	incr dissem, pyr in dyke on be	32.61	१०	2.0	86635					
	5-10	1 1	5,6cm-be-pyncab.zone		35.66	90	{.5 .	86636					, i
· · · · · · · · · · · · · · · · · · ·	5°	1-2-2-3-1	mottled grey and grey- green Sect., H.T, and incr. pyr-	poss. complex	38.71	95	3.5	86637					
	40°	-	₹ qtz-carb-stkwks.	dense blk arg.	41.16	98	2.0	86638					•
from 44.8 to 52.5 m a dark Grey bed of coarser sed. is	5- 15	45m		folded sec. + dislocation of beds poss nondiastrophic	44.81	85	2,0	86639					
intersected with gras up to sam dia - resembles a fine gra greywacke	5		80,5 mm - magnetite 4	as above	47.86	95	2.5	86610					
* most of the core is magnetic- which may be due not only to pyrout also finely cliss. mag.	5	51 m		dislocation of beds	50.91	100	2.0	86641					
	5- 90	54 m	to, soem - sone of carb veins and veinlers healing bx sone		53.96	99	20	86642				•	
•	\$5	1	Carb stkwks Zo-IM-carb, rein swarm		57.01	98	1.0	86643					
	5- 50		/	dislocation of beds	60.06	100	1.0	86644					
	35		50,32 cm - dirty green bed - resembles scam - massive - dense.		63.((98	2.0	86645					

SCALE of LOG 1 200

HOLE NO GXD 89-3 Page 3 of 8

SCALE OF LOG		1	1		m	%	%	SAMPLE		AS.	AY	VALU	<u> </u>		
GEOLOGY	FOLN.	M	MINERALIZATION	REMARKS	BLOCK		PY+	No.							
- general incr. in the	35- 45	66m	40" 30cm - soft carb. bed. 6 10-15cm - bu 30ne healed by carb.	: -	6646	45	2.0	84646					Ì		
proportion of lighter gr laminae 66-96m TV lighter grey material usus y Shows an iner in disse	5-		40°, 5m - dive greey dense some (searn) 5° ats-corb verylete		69.21	62	1.0	86647							
sulfides - the lighter band are at coarser grn, in places resemble a fine greywork	10-) 5-10° 9tz.carb veinlets	sparse dissum cp.		90	1.0	86648							
	5-10	75	5,2cm -bx some healed by massive pyc+qts?	finer pyr.	72.24	90	3.5	86649							•
	5. lo	78		Fine bx and dislocation healed by 913-carb.	75.28	95	2.0	86650	٠.						
Burk State Control	5.	81		incr. Microscopie sulfides - conc. main in lighter grey bandi		90	3.0	86651							
	20-	84	25°, 20 cm - light gray bed with ~ 20-76 dissempty by the sparse of	i		90	3.0	86652						·	
	20-		5-90°, < + Mm, carb vening	·	84.39	45	2.0	86653							
	20-	90		numerous hard green blotches and stringe (ep?) with increpyr. and sparse cp.		98	2.0	86654							
• .	20.	93			90.4	100	2.0	86655							
	?	96		mottled grey and green zone - H.7 with the coarse	93.5	98	3.0	86656							

EXPLORATION DIAMOND DRILL LOG

SCALE of LOG 1:200

HOLE NO GXD 89-3 Page 4 of 8

	T	m		<u> </u>	m	%	%	SAMPLE	 AS.	SAY	VALU	ES		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCKS	REC	PY+	No.						
	į	99		hand dense blk zone with mottled green zones and	96.62	95	\$.0	86657						
	?	102	broken sone	Incr. sulfides	99.67	8¢	3 .0	86658						
·	10	105		mainly brownish grey bed with subordin. blk laminoe	102.72	80	2.0	86659						
	10- 20	108	broken zone	hard dense blk (sone	165.77	85	1.5	86660						•
	10.	-	60,6cm-green zone (?toffbea?) broken zone	J	108-85	85	1.0	86661						
	10- 25	-		\	111.86	8 5	2.0	86662						:
	2 ′	7		med grey, sl cherty sone - poss a bio horufels	114.92	65	.5	86663						
	7	120	highly broken	J-aecreose culfdes	117.97	70	1.0	86664					·	
	45- 55	123	broken and lost core	hard dense black 30ne-minor lighter grey Lamination	121.07	75	1.5	86665						
	3.	126	tomob. Proalong his frace to? 2mgg-lox	- small fault	124-67	60	3.0	86666						
	5- 35	129	broken sone	i ·	127.12	80	2.0	86667						

HOLE NO GXD 89-3 Page 5 of 8

		m			m	%	%	SAMPLE		AS.	SAY	VALU	ES		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+	No.							
	5- 10	132 m	}	dense durty green sone + minor dark grey lamina e-resem. a scarn - aphanitic-	130-15	106	• 50	86668						`	
	s. 15	135		well laminated 3 one - minor green beds and laminae	133.20	1 5	1.0	86669	•						
	5- 10			} " "	136.24	95	1.0	86670							
	0-5°	138	4		139.29		1.0	86471							
from 141 to 201 m. a dyke or series of dykes have been intersected which	o-s'	141	dirty green some -like scann lies subperailel with bestding good in one place X-cuts beddie	this green material which is reported to above as scarn etc. may be a dyke	142,34		1.0	86672							
appear to be approx. concordant with the steeper bedding angles and therefore dip close to the core axis		-	- Heached reaction ripus	Dinjectul along the budding	\A5-39	90	1.0	86673							
dip close to the core axis repetitive dyke contact effects.	0-5	147	finely frac. 3 one healed by tiny carbo, gash veinlets with remote. Py.		148.44	95	1.0	86674							
	0-5	150	With 18 mole. Py. 5 , 2 cm - carb-gg sonc	this dyke has green appan. reaction rims econtacts similar to	151.49	60	3.0	86675							
• •		53	tho-10 ~ 5m dark arest his perph dyke with diseas. and gash-ble resides of per	the above green Bones - dyke is char by scattered subhed blk hb. phenocrysts u	:	95	3.0	86676							
	0-5		broken some - minor	to zmm. long in a dense aphainthe ground	157.58	90	1.5	86677							
		159	A		160.63	90	,,,,								
v'.	5-10	162				15	1.0	86678							

CHRALTA MINES LTD

HOLE NO GX D 89-3 Page 6 of 8

					m	%	%	SAMPLE	A	SSAY	VALU	e S		
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	BLOCK	REC	PY+	No.						
	∵\$	165m	0-5, im, dirty green 3one -00sh dyke control		163.68m	_	1.0	86679						
	0-10	,	0-5, 5 m. dirty greed 3000		166.72	95	1.0	86680						
	0-5	168m	5°, 2m - dyke with green contacts. 7. 4m - 99-bx-sand	} small fault	169.77	90	1.0	84681						
		171m	broken some with ots-co veins and dyke frags.	to	135.85	85	2.0	86682						
	5.	174	dark grey aphanific dyke -incr dissem. and segreg. sulfide.		<u>175.87</u>	95	2.0	86683						
	5-10	177	so dark grey aphanitic	i	178.92	90	. 1.5	86684						
	5-lo	180	ayke		181.97	75	1.0	86685						
	-	183			195.01	90	1.0	86686		,				
	-	186	dark grey aphonitic		188.06	45	1.0	84687					·	
		189	? contact? broken		191.11	85	.5	86688						
		192	? ? contact? } Proken	dense, dark grey aphaintic zone	-	80	1.5	96689						
·	_	195	50,20 CM - green 30ne	- no bedding str. dyke? hornfels?	194.16			86681						

HOLE NO GAD 89-3 Page 7 of 8

SCALE OF LOG		7		I	1		1		OLE N						
		m			m	%	%	SAMPLE	1	H33	AY	VALU	ES		·
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	Brocks	REC	PY+	No.							
	5-10	100 5	deharo, chilled 10 contact		197.21	45	1.0	86690						,	
		-	mediarry hb. Porphyry-dissim py broken contact	lighter grey and more conviser grn. That other dyles above - phenos of his and dag.	200.25	98	2.0	86691		1					
BIOTITE HORNFELS (201-209.8 m)	0-5	-	hard (7) dense brown- Strey sone with Sections of dissem	servate ground	1	80	3.5	86692							
grey with brownish his, si score. Fracture, a promitic - equigran under binoc weak dissim Pyr. Throughout - conc. pyr. in	-	204	bedding str Same as above but with mothed p-green zones with py	lost core	206.35	10	2.0	86693							
mottled green 3 ones - hard (H7), dense - weak bedding str. in places 209.80	_	207 - 210-	ragged 25° Chilled		209.40	95	1.0	86694							
GREY HORNBLENDE DIO ITE (209.80 - 221.19m)	•	213	45, 60% - 913-COND- 117-		212. 4 5	95	3.0	86695							·
a med to dark grey, fine gren. equipmentar diorite, consisting of prominent in lather, partially chloritised in	-	216	+	: .	215.49	95	35	86696							
a matrix of grey feldspar chl. and 9ts? - grn size is ~ 1-2 mm - sl. porph. tex. at contacts with hb phonos.	,	219	A A		218.54	100	3.0	86697							
contains ~3-4 % dissem. yr. cut by numerous slips and veinlets of carb and carb-qts-mag?	-		to, 7cm-9tz-carb-pir-mag		221.59	48	3.0	84698							
BIDTITE HORN FELS (221.19m - 233.78m) hand cherty dark gray rx with	-	225	a dark arey		224.64	90	2.5	86699							
distinctive brownish him same as above but higher conc. of dissem. pyr.	**	72 9	mottled ep-green 3 one with incr. pyr. mainly x as short y einlets	poss. a bxhealed contact zone with	227.69	45	3.5	84700							

SCALE of LOG 1/200

HOLE NO GXD 89.8 Page 8 of 8

		m		T	m	%	%	SAMPLE	NO.S	VALU		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+					
		231 m	broken zone dyke? - mottled green)rx is darkarey	230.73	85	3.0	86701 -				
E.O.H 233.78 m	5?	1		(rx is darkgrey (to black showing disrupted bedding) tex	233.78	70	3.5	86702				
Jan D. Bysouth		1	,									
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GIBRALTAR MINES LTD EXPLORATION DIAMOND DRILL LOG

HOLE NOGXD89-4 Page 1 of 6

LOCATION DOREEN LAKE		BEARING 360°		LATITUDE					CORE SIZE NO						
DATE COLLARED 23 AUG 1989		LENG	sтн <u>175·87 m</u> (571') DEPARTURE					DATE 13 NOV. 1989						
DATE COMPLETED 25 AUG 1989		DIP65°		ELBVATION					LOGGED BY GE BARKER						
					m	%	%	SAMPLE	ASSAY VALUES						
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	Brocks	REC	PY+	No.							
	-			Casing to 4.88 in	4.88										
HORNBLEND PORPHYRY 4:88 n. to 14:55 m		6	x limonite to 8.9 m	()= miner dinoun			0	85830							
Agrey-green colored Rx	江		×	= Broken core (fragmented)		65		}							
close to andesitic composition	<u>}</u>		×		8.23		0.5	85831							
Fine grain matrix of plagfeld.	;}	9	×	Badly broken core	-										
phenocrysts of hornblend.	汁	-	8	Projects comment	1	40	2.0	85000					ļ		
Rx is highly fractured with	计	12	Py (po)((CP))	"bady creterngrouse S.W. = stock work			7.0	85832							
fractures filled with carb.	3	1. / 4	fell spare phenocryst		1	95									
and sulfides (po-py-(cp))	江		Coarb SW		14.33		1.5	85833							
sulfides are also disseminated (microscopic to fine) in Px.	图	15	KATO DW		13.33		<u> </u>								
Rx may be a recrystalized		_	fine S.W. of po (Py)			90									
sedimentary Rx (areillite)	<u> </u>	-			17.37		2.0	85834							
HORN FELS 14.55m to 30.4m		18	carb-po 3mm 45°	Badding Carias	-										
A hard (6-7) siliceous aplanition	-	-		Bedding ? 25:40° to cove oxis } Slungs fearnes		96	1.0	85035							
mieta sedimientary Pex. grey	-	21	Carb Icm 20 to cor		20.42		1.0	85835							
to black in color. Small viens of earb and qt3-carb. Po +	1	1-	x		-	94		†	1						
Lay are dicarminated andin		-	core is Light brown			96	1.5	85836							
1 in and emeats		24	bietite?		23:47	<u> </u>									
13 - Lairly tractured will			& light yellow green			97									
fragment angular and shap.			potchés epi?		26.52		1.5	85837							
Intrusive (ig necus) Rx = 2		27		laraillite remnent			}	-	 	ļ					
Hornfels = 1		.		areillite remnent		90	1	0							
Horn leis -	-	.	x x gt3-earb-py 2mm 25	broken core	29.5	<u> </u>	1.5	85838				1			
	Ш	30	KI AIS TO BY SWH 52	ע		J		<u>.l</u>	1	<u></u>	L	L	L	L	<u> </u>

EXPLORATION DIAMOND DRILL LOG

HOLE NOGXD 89-4 Page 2 of 6

	7	m			L/m	%	%		A	SSRY	VALU	FS		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+	SAMPLE NO.						
INTRUSIVE (andesite?)	 	1	×				• • •				 			
30.4 +0 39.9	`	-	Carb ZmmxZ 50°			97	1.0			ļ	1		. [
A light grey fine grained	}		soveral fine blk viens chiligraph? 70-80		32.61	7/	7.0	85839		- 1	1	1	. 1	
Rx of felospar, icina end,		33	1								 			
minats . Rx is non foliated and	: }-	-	Carb - Py (Pr) 10 8. XZ			98	ـــ ا				ŀ		. 1	
faily "tough" Grain size is	:\- :\-	4			35.66		1.5	85840	1	Ì				
very uniform, po-py is found		36	cart 5mmx2 70'											
finely disseminated and in			Carb py -po Emm - 35°			00]		l l				
viens and "smears"	L		Sine Siw. ohl? graph?			98	2.0	85841				1	. 1	
Hornfels?		39			38.71			<u> </u>	-	ł	1	l i		
39.9m to 48.5m			x] :									-
Rx is similar to Rx from	1		x (increase incarb			75	1.5	85842	ļ					,
14.55mto 30.4m . Pxis	T	12	x 5.w. 4 20013	tragmented core	41.76			03072		- 1	ł	i i	i	
strongly fractured very	1	<u> </u>	x	gougy lecting			·	 			+			
fragmented and gongy	-	-	×	presible FAUIT		55			İ		1		. 1	
looking - increase in	F	-	×	2002	448I		1.0	85843	Ì	1		1	1 1	
phylosilicates, carb infills	 	45		/	4701			 	<u>`</u>					-
fractures, some atz, po-py	-	-	V			90	l	1]		•
disseminated incore.	-	1 4	Py 1-2 mm ×3 45-55		1	90	2.0	85844			1	1	i 1	
BIOTITE HORNFELS		48	<u> </u>	,	47.85									
48.5 m to 58.9 m	L	_	py as small cubes up to zmm		ļ	1						}		
A grey green to greytrown	Ĺ				[96	2.5	85845	İ	İ	ł	1	1	
laphanitic Rx with patches	F	5/	* epi? "Prtchu"		5090	l				1	1			
of light green , Rxis hand(6)		1	* Several fine blk							1.	1	 		
land cherty looking. Some	r	-	viens ehl graph mag.		1	98	1.5	0000	1	ĺ	1 .	Ì	1	
fine black viens (cht, graphite)	F	54			53.95		1.3	85846				l	1	ł
up to 2% culphides disseminated	 	137	 		- 33.8	†	 -	 			- 	 	 	
and in fine viens (mainly Py)	-	-		[1		1	1		1	1	į	1 . 1	l
Remnaids of KLK silicrous	<u> </u>	-	E Several bik viens		1	99	1.0	85847			1	İ		İ
largillite, .		57			57.00	 	 	ļ			ļ	ļ		
INTRUSIVE (Matic dyke?) 589m to 63.9m	-	-	Lacy carb s.W. up				1		į	ŀ		1		
fine to med grained Jark			gepi? patches		1	99	1.0	85848			1	1	1 1	
Rx, Horn blend 50%, plagio 450	4	60	 		60.05	 	<u> </u>	-			<u> </u>	ļ		
gts 102? Breccia fragments	á L	1.		1	1	1					1			
upto 3cm.	ΊL	1.			1	95	1.0	85849						i
} " · · · · · · · · · · · · · · · · · ·	汇	63]]	1	1]		.	·]	j	1			l .

EXPLORATION DIAMOND DRILL LOG

SCALE of LOG ___ 1:200 HOLE NOGXD89-4 Page 3 of 6 ASSAY VALUES % SAMPLE FOLN. DEPTH GEOLOGY REMARKS BLOCK REC PY+ No. MINERALIZATION badly broken cove 63.09 MIXED ZONE HORNEELS, rossible fault SILICEOUS BLK ARGILLITE, WELDED TUFF
63.9 m to 92.8 m 92 1.5 85850 66.14 Biotite hornfels similar to 70ne 48.5m to 58.9m plus 2.5 | 85851 .epi?-lightgreen"potches" siliceous aphanitic WK po - "patch" +1 Liciun color argillite plus fine timed. grain welded tuff grain size variable bedding weakly 2.0 85852 H chi? py Zmm X3 45-50 apparent grains both shap and rounded . po - py in small 72.24 cpi? "putch" viens and dissemiliated up to fine lacy" bk viens chi graph? 1.5 85853 2.5% 99 2 small hed? course Nearb 3mmx2 400 BKargillite = 75.29 epi7 patales Tuff = 8+3-arb-chl-po-py 1cm 500 2.5 85854 96 x several fine po viers 78.33 gypsum on freedures 2.0 85855 97 py cubes Plight grey color 81.38 carb 5mm 30° carbehl py 4mm x 2 -16 2.0 85856 97 From ree particuls ? 84.43 1.5 85857 epi? light yellow groom soutches 95 small py cubes 87.48 epi."patch" INTRUSIVE (Dacite)? Z ·0 85858 95 92.8 to 100.1m 90 A med grained Rx 30 to 40% 90.53 mafics (hornblend -chl.) 0.5 85859 white feld + gtz. breccia 96 Frag. up to 3cm. Dissemirated : 93 613-carb vien 5mm 40 PO-Py 4010 196 93.57 Breccia } cut by Py vien Imm 350 1.0 85860

HOLE NOGXD 89-4 Page 4 of 6

	7	1				· · · · · · · · · · · · · · · · · · ·			JEE NO					
		E.	·		m	%	%	SAMPLE		SSAY	VALU	<u> </u>		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	Brock	REC	PY+	No.					- 1	ļ
BIOTITE HORNFELS	Ł	ل ا	Sine lacy" carb S.W.]	96.62									•
A grey brown aphanitic	\mathcal{I}	1 1	~~	core is redish			1.0	85861			1 1	ŀ		İ
Rx: Many small blk viens	7	99	etz-carb-chl?cw	prown color (Biglile)		97	, ,	03867		1		i l	İ	
				<u> </u>	99.67									·
(chl-graph?), Several Light	十	-	= epi? Light green judchi	1							1 1		1	1
green to yellowgreen patche	-	1	- Cl all waters leaders		1	98	0.5	85862		1	1 1		1	
of epi? fine viens of po-py	 	102	E	Several fine viens	102.77									
also disseminated sulphides	<u>.</u>	1 -	= 8+3-carb-chl.pc.py	Deverac THE VIERS	102.72		[1	1 1		- 1	
up to 2% - some massive"	L				•	98	2.5	85863			1		1	
some of po with miner cp.	1	105				70			Ì	1	1		- 1	
INTRUSIVE (Dacite?)	1		massive po t(cp) tork		105:77									-
Similar to 92.8 m to 100.1 m	V								ļ		} :		- 1	
TNTRUSUE + HORNEELS	7	108	carb fine lacy's w			98	3.0	85864	İ					
as above	 	708			/08·8/		 -				 			
BLK SILICEOUS ARGILLITE	.}-	-	1				1		İ					
109.6 to 113.2m]-	-			1		1.5	85865	ł	ł			. 1	
A siliceous blki aphanitic]	111		Perushed some		96	<u> </u>				1			
Rx with faint bedding	. L		×		111.86		1							•
= 250 to core axis. Fine	<u> </u>						1.0	85866		į				
grain disseminated po-py	†	114	carb finelney" s.w.		}	97	' -	03866	ł	ł				
up to 2%		1 T			1			l			 			-
BIOTITE HORN FELS	†	-	carb py (po) 2mm 50°		114.91	 	1	1	ł	1			, I	
l L	4	-	() () () () () () () () () ()		1	۱	1.5	85867		Ì				
as above	}	117		<u> </u>	1	98	<u></u>							
BUK SILICEOUS ARGILLITE	1_	۱ ـ	carb py(pc) 3mm 45°		117.96]	i i	1					
as above	i <u>l</u>	۱ ـ	py finitacy sw.		i	Ì	1.0	85868			1		1 1	ļ
BIOTITE HORNFELS	=	120	small by cities + smeat	i	1	97	1				1		1 1	ĺ
120.0m to 121.1m	1		2.		1	1					1			~
INTRUSIVE (DIONHE)?	計		g carb (pox(py)) fine s.w.		121.00	 	۱. ـ	0-010		l l	1			ı
121.1m to 125.3	計		2 epi?"podch"]		1.5	85869]		i	
A med. to Coarse grained Px	}	/33	 	 	₹	99	<u></u>				ļ			
Looks like an unaltered form	}	-	***************************************		124.05					1.	Į.	[1 1	ł
of drorite found in GXDB9-5	XL .	.	massive po(py)(cp)		1		2.5	85870		1			, ,	i
Hornbland very distinct and fresh	4	126]	98		1		1				ĺ
some epi-patches of po (+yxicp))			carb py(po) sincs.w	core lacks crushed on		1					1			
BIOTITE HORNFELS	\T		170-7-1-20	breceinten.	127.10	 	2.5	85871		1]		l
as above + remnantargillite	'		py(po) very five Siv	1		99	5.3	333,,			1	j i		i
~ 3 SPONE & Lemiliar in dilling		1/29	<u> </u>	<u> </u>	<u></u>	<u> </u>	1	l		L	L		i 1	i •

EXPLORATION DIAMOND DRILL LOG

HOLE NO CTXD89-4 Page 5 of 6

	T	- m			m	%	%	SAMPLE	 ASS	SAY	VALU	ES		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+	No.						
BIOTITE HORNFELS AND #NTRUSIVE DACITE MIXEC 132.0m to EOH Similar to previous zones		/32	Fe stained carb +(py) lam 40°	n Light grey greento,	130-15	99	1.5	85872					,	
see graphic log for various Rx tupes and		135	Frestained carb tpy (PO)((cp)) 3cm 450	vien has a crushed	/33.20		2.0	85873						
Locations :		7.35	Fe stained carb (py)/p	1cm 35°	136.25	100	2.0	85874						
	Table State	138	Fe stained carb po pyles	Badly broken core 4cm 80° - has a Crushed appearance	139.29	96	1.5	85875						
			sepi- Light green patch" carb.gt3-(py)(mo) lem 10	very light grey aphanitic Rx	14-2-34	98	<i>1</i> ·5	85876	 					
-	-	144	py (po) fine lacy s.w.		145:39	98								
		147	epi? "potches" eta-carb lem 400	} light yellow green color		98	2.0	85877			-			-
		150	py(po) fine s.w		484	99	2.5	85878						
		153	? 2cm 45	light grey brown aphanitic color	15/12		1.5	85879						
· ·			8+3 earb mo (py) 4cm 35° 36 cht mo graph - finebl		154:5	"	1.0	85880						
•		156	py(po)"snicars"on frace also small py cube	t ures	157:5	96	2.0	8588/						
		159	fine blk S.W ch? gr	_	160:6	98	1.5	85882						+
	 - -	1,,,	4			99	1.5	02006						

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD89-4 Page 6 of 6

						%	%	SAMPLE		AS.	SAY	VALU	ES		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK	REC	PY	No.							
127						 									
Dark grey }	-	-	stz-carb Mo(pyllpe)	4cm X3 30-40	163.68		_ را							. 1	
1	-	ا ا	& carb (po)fy S.W.				1.5	85883					1	1	
					1	00									
	-	-	& py-po"smears oritract.	}		98		1 1						1	
نا نا	-	-			166.73	 	5.0	85884						- 1	
· H	 	168	epi "patches"	1: (-)		1									
Į.	-	1 4	an epi partenes	light yellow- green iden	1	99								1	
l M	_				169-77	 	1.0	85885	1					- 1	
		17/	& gt3-carb 5mm 40°	slumping (vien offset)]	Ì									
						99									
Breccia frograms			X)		172.82		1.0	85886				1			
up to 3cm		174	10t3-carb- PO(PY) S.W			1						ļ		l	
			?	5 15 15°	1	99									
	<u> </u>		8t3.carb mo, 0.5+01cmx	END OF HOLE	175.87	.	1.5	85 <i>8</i> 87							
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								100	7		1	l	L		<u> </u>

EXPLORATION DIAMOND DRILL LOG HOLE NO GXD 89-5 Page 1 of 7 LOCATION Dorcen Option BEARING ____ LATITUDE ____ CORE SIZE N.Q. DATE COLLARED 25 AUG 1989 LENGTH ZZ7.69m (747) DEPARTURE DATE COMPLETED 28 AUG 1989 DIP -90° ELEVATION ____ LOGGED BY G.D. BY SOUTH ASSAY VALUES % % m SAMPLE PY+ BLOCKS REC No. FOLN. DEPTH MINERALIZATION REMARKS GEOLOGY

	_			1								1		1		- (1
Casing To 13.41 m	-				•		13.41										
Dioritic Contact?	14.4	, ND	1511	,	wk carb veinlets	typical diorite	14.33	95	•5	86551							
(13.41-27.10m)	1			17.1	20°, 2cm - 9t3-mag-		1	96									
		מא	•	"	20 , 20m - 413-11023		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	76	•5	८८६५८						Ì	
dioritic, or andesitic	٥	-	18m	k)	17.37										
rxs consisting of ~40%	ν[Ľ	intense qtz.stockwks with later x-cutting	(crosmit and		97								ŀ	1
chloritic matics and = 50 %		ИD		划	with later x-culting carb.		20.42		3.6	86223							
saus. plag grn size	٥		21		_	+ incr. py	20.72	I									
varies from med to time	$oldsymbol{ert}$	_		19	Set. of dle grey veins			94								1	1
grn. (ie 1.5m to <.5m)	l۷	ИР			Ithick - chl.?		23.47		1.0	86554							ļ
Mafics - prob. augite - appear	ě		24	K	atz.carb stockwis	croshed cone	_					ļ					
alth to chi. and a pale	M			Ľ,		with incr. fy	1	98	*								
brown bio. Rx appears crushed and st. distocuted.	١	מא		-14	40, 1cm - py-pyr (cp) x 2	1 > 1.3 0/0 PI	26.52		4.0	86555		Ì					
-frac.'s are gen-healed by	Z		27		30,6cm pyr(cp) vein	250/0 PY					<u> </u>		ļ				
9t3. and 9t3-carb veintets.	٧	_		1	ep veins and clots		1	97]				
by and pyr, is dissert.	L	70		4			29.57		3.0	86556							
throughout and conc. ive crush 3 one's	Ŀ		30	L	ep veins up to 3mm		-			ļ	 -						
Bones				1	ep tella op to sam			97		84527							,
DIORITE (27.10 -73.40 m)	1	50 - WK		١,	,	111	32.61		3.5	06551							
- a tine grn. Plutonic tx.	F	<u> </u>	33	Ŧ.	dork alto zone	saus alt'd to							 				
- a fine grn. plutonic tx. - gen. eguigranular with grn. 613e usually < 1.5mm and	ľ	-		4:			Ì	97		86558							
consisting of: 55% saus pag	ľ	-wk		4			35.46		1.0	06550		ļ					
toolo chi matic	F		36	1/2	assoc, with incrpy	-	-			 		 	 				
50/0 ep clots	١	45		4				96	2.0	86,559						[
-the degree of saw. and orn size varies - contains fine disspy	ľ	-wĸ-		$\frac{1}{2}$	ep.py veins		38.71] 4.0	1 30.00							
Size duries - Contains time dies. Dy	ŀ	Mod.	134		1 -1 11 1-11	<u> </u>		J	1	1	1	J	<u> </u>	<u> </u>	l		

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-5 Page 2 of 7

most of the en is an epidda green color of the en is an epidda green color due to strong assess alth as well as numerous verins and clots of ep - be. See - sp to ep venilets of the cotting the saws place as alth as well as numerous verins and clots of ep - be. See - sp to ep venilets of the cotting the saws place are dark green some, per see - se		1	T			1	24				De	504	1454		, 0 T	
most of the rn is an critical green color due to strong saves alth as well as numerous very some and clots of epicy of the cost of the right of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw piece as chart attin large of the cotting the saw and the large of the cotting the saw piece as chart attin large of the cotting the saw and the large of the cotting the saw and the large of the cotting the saw and the large of the cotting the saw and the large of the cotting the saw and the large of the cotting the saw and the large of the cotting the large of the cotting the large of		1										AY	VALU	<u> </u>		<u> </u>
Saus alth as well as numerous veries and clots or tep-left of the cotting The saus proses are clots or tep-left of the cotting The saus proses are clothed will be referred to the chief of the content o		FOLN.	CEPIH	MINERALIZATION	REMARKS	BLOCK	REC	PYT	No.					ł	1	
Saus alth as well as numerous veries and clots or tep-left of the cotting The saus proses are clots or tep-left of the cotting The saus proses are clothed will be referred to the chief of the content o	most of the rx is an epidote	L	ا ا	40. 3cm - 80												
veins and close of ep - by something of the continuity of the cont	green color ave to strong		7				95	.5	86560	l		Į.		ŀ	٠ ا	
ach-carb-gff alth phase with the sease place a chi-carb-gff alth phase with the self ach carb place and the self ach carb place with the self ach carb place and the self	veins and class of earth of	- WK	1	= 70° ep veinlets		41.76		}	30	- 1					- 1	
Are dark green sons, does a chi-carb giz alth phase which will be referred to me the log as dark alth. Incr solfide often accompanies ins lith and the core hardness green the sols accompanies ins lith and the core hardness green the sols accompanies by the sols accom	often cutting the saw phase	 	4'2m		\											
a chi-carb dis alto phase which will be reterred to the the log as chark alth. Incr solf de often accompanies his solf ac often accompanies his solf ac often accompanies his solf ac often accompanies his solf ac often accompanies his solf ac often accompanies his solf accompanies h	are dark areen somes ans.	<u>.</u>	-			1	91					1			1	
which will be referred to the feel of as dark alth. Incressor fine log as dark alth. Incressor for the log as dark alth. Incressor for the accompanies this sulfin and the core hardness gots. Ith and the gots. Ith and the gots. Ith and the gots. Ith and the got	a chi -carb-otz alta phase	50		X	Chlote veins and	1	"	1.0	86561	l		1			ļ	
the log as dark altin Incr solving of them accompanies this sulfine of them accompanies this sulfine and the core hardness care iron 8-6. To 4-9. This sulfine is also accomponited by 48 septembers and shalls and services and discount for the core hardness care iron 8-6. To 4-9. This sulfine is also accomponited by 48 septembers and shalls and services and discount for the core hardness care iron 8-6. To 4-9. This sulfine care care and altin incr carl verification increase the core hardness care iron 8-6. To 4-9. This sulfine care the core hardness care iron 8-6. To 4-9. This sulfine care the core hardness care iron 8-6. To 4-9. This sulfine care the core hardness care iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core of a core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 8-6. To 4-9. This such altin incr carl verification for all art altin the core iron 4-9. This such altin incr carl verification for all art altin the core iron 4-9. This such altin incr carl verification for all art altin the core iron 4-9. This such altin the core iron 4-9. This such altin the core iron 4-9. This such altin the core iron 4-9. This such altin the core iron 4-9. This such altin the core iron 4-9. This such altin the core iron art altin the core iron th	which will be referred to me	- w	45m	30.1cm chlatz	Contamine "lacy"	44.81		1 1		!		ł			- 1	
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All a rac the core hardness arest with the core hardness arest with the core hardness arest with the core and a second and	Calculation of the calculation o	F = 2	-	dast alth	413		95			1		1			Į.	
Alta is also accompanied by Ab Start alta - increated by Venilets and discovery Proposed and griscoli. Vening, In places the griscoli. Vening, In places the protest and alta - increated venilets and discovery Proposed have envelopes and halos of clark alta - a sinz - chil-cerb. Mes system? No start and griscoli. No start alta - increated years and venilets and discovery proposed and griscoli. No start alta halos. Start alta - increated years and venilets and discovery proposed and griscoli. No start alta halos. Start alta - increated years and venilets and alta halos. Start alta halos.	Solfide offen accompanies inis	1.00		adric utti				.5	86562	ì		Ì				
Alf is also accomponed by the state of the s			48	120 5 mm chl-qyp-py -	with dark alt'a	47.81				- 1					1	
## At the place the process and process an				7	halo.	1	1	-				 	-			
# HORNBLENDE BRPH. (6150 - 67:25 m) -dense dark grey-green ry with fresh-looking he process up to lime long in a Seriate matrix of Plazars Did RTIZ (67:25-73:40m) 45 1 15 1 15 2 ewilds and discere PY 50:40 15 30:50:40 15 30:50:40 16 30:50:40 17 50:50:40 18 45:51 18 50:50:40 19 50:50:40 10 50:50:40	alth is also accompanied by	F	-	dark alth - incr carb			95	١	0/2/2	1		İ				
Wening. In places the grave continent the Says phase have envelopes arm halos of clark altin - a Sioz - chl - cerb - Mes system? ND 3 one of Az. Sioz - chl - cerb - Mes system? ND 3 one of Az. Sioz - chl - cerb - Mes system? ND 4 0 1 0 86565 S7.0 1 0 86566 S7.0 1 0 86566 S7.0 2 0 86566 And Altin halos. ND 4 0 1 0 86566 S7.0 2 0 86566 And Altin halos. ND 4 0 1 0 86566 S7.0 2 0 86566 And Altin halos. ND 4 0 1 0 86566 And Altin halos. ND 4 0 1 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. S7.0 2 0 86566 And Altin halos. And Altin halos. S7.0 2 0 86566 And Altin halos. Altin halos. S7.0 2 0 86566 And Altin halos. And Altin halos. Altin halos. And Altin halos. Altin halos. And Altin halos. And Altin halos. And Altin halos. And Altin ha	1973, 973. carb and 973-chi-	-	-					1.5	66363			j				i
phase have envelopes and halos of clark alth - a Sioz - chil - carb - Mes system? No	Veining. In places the		51			50.90		1	1 1			l				ı
phase have envelopes and halos of clark alth - a Sioz - chl - carb - Mes system? No St St St St St St St St St S	19t3 veins cutting the saus			A broken some		1	ļ						-			
halos of clark altin - a Sioz - chil - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - Mes system? No Sioz - carb - carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - carb - Carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chil - carb - Mes system? No Sioz - chi	phase have envelopes and	L	~	All Projects Some		1	94	_	0/5/4				ļ			l
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Adark alth halos. AD STO STO STO STO STO STO STO STO STO STO		-	54	1 / 3 one of atz.		<u>53.95</u>										I
# # # # # # # # # # # # # # # # # # #	2107 2 2111 = 2102 1/162 2/2/5/M .	1	1	carb veins with												
#ORNBLENDE PARPH. (61.50 - 67.25 m) - dense dark grey-green ry with fresh-looking he prichs up to 1 mm long in a Seriate matrix of plag, and chl. all'd matrics - no Saus. ?? DIORITE (67.25 - 73.40 m) as a bove 100, 3cm + q13.chl + p 45-75.1-4 mm - q13.chl y 6 45-75.1-4 mm - q13.chl y 6 45-75.1-4 mm - q13.chl y 6 45-75.1-4 mm - q13.chl y 6 46-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm - q13.chl y 6 47-75.1-4 mm		אר	1	(dark alth halos.		l	96	1.0	01-1-	I		Į.				ĺ
#ORNBLENDE PORPH. (61.50 - 67.25 m) - dense dark grey-green rx with fresh-looking hb prisms up to Imm long in a Seriate matrix of plag, and chl. although a seriate a seriate a seriate a seriate a seriate a seriate b seriate a seriate a seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate a seriate a seriate b seriate constants a seriate b seriate constants a seriate b seriate constants a seriate b seriate constants a seriate b seriate constants a seriate constants a seriate b seriate constants a seriate a seriate a seriate b seriate a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate constants a seriate	l" v	-		ド 1 ノ		1		,	86.65							i
# + carb filling of bx. Voids 4	\ -	 	37	<u> </u>		57.0							<u> </u>			l
# + carb filling of bx. Voids 4	· . ·	Ł	1 _	mcr 912-carb voinlets	I /		1	1	1 1							
HORNBLENDE PARPH. (61.50 - 67.25 m) -dense dark grey-green ry with fresh-looking he prisms up to Imm long in a seriate matrix of plag. and chil. alth matrics - no saus.?? Dioritz (67.25-73.40 m) as above 10°, 3cm - qt3-chl-py and qt3-caib and qt3-caib and qt3-caib and qt3-caib 47 50.00 47 50.5cm qt3-chl-py 47 68.09 47 68.09 47 68.09 47 68.09 47 68.09 47 68.09 47 68.09 48 68.14 48 68.14 68.14 68.14 68.14 68.14 68.19	l lu	ND			crushed some	1	9.8	2.0	86566			Į	ł	[i
#ORNBLENDE PORPH. (61.50 - 67.25 m) -dense dark grey-green rx with fresh-looking hb prisms up to Imm long in a seriate matrix of plag. and chl. alth matrics - no saus.?? DIORITE (67.25-73.40m) 45-70, 1-4 noqt3-chl x6 45-70, 1-4 noqt3-chl x6 46.19 46.19	1. I	<u>.</u>	-	bx voids	Line care alth	}	, "		00000			1	}			i
# # # # # # # # # # # # # # # # # # #		 	60			60.00	ļ						ļ			
# # # # # # # # # # # # # # # # # # #	l'	Ĺ	١ ـ	10° 3cm - atz-chl-a	Kana Historia	i	1	1	1				l			1
-dense dark grey-green rx with fresh-looking his prisms up to 1 mm long in a Seriate matrix of plag. and chl. alth matrics - no saus. ?? DIORITE (67.25-73.40 m) as above 43 dark arec. ht porp. with ats-chl veins @ contacts contacts 46.14 45-2cm-qts.py v3 46.19	\ <u>\</u>	НЬ	١ .	Nie 3 zerie di Zerineti		i	97	.5	66567				i			ĺ
-dense dark grey-green rx with fresh-looking hb prisms up to Imm long in a seriate matrix of plag. and chl. althe matrics - no saus.?? DIORITE (67.25-73.40m) as above Above		·ſ	63	[t]	/	12.00	İ	1				1	ì	1		ı
with fresh-looking he prisms + ND up to Imm long in a seriate + 66 + 30°, sem qts-chleppy alta matrix of plag. and chl. alta matrics - no saus. ?? Diorite (67.25-73.40m) v 45-70°, 1-4 mm - qts-chl x6 as above	1		1	<u>-</u>		10.04	 	-					 			
with fresh-looking hb prisms up to Imm long in a Seriate matrix of plag. and chl. alth matrics - no saus.?? DIDRITE (67.25-73.40m) V 45-70,1-4mm-qt3.chl x6 as above	-dense dark grey-green rx	F	•	 -		1	l	1				1	1			· ·
Up to Imm long in a Seriate # 66 # 1073-chi Veins (2) matrix of plag. and chi. alth matrics - no saus. ?? DIDRITE (67.25-73.40m) V G9 45-2cm-qt3.py x3 45-70, 1-4mm-qt3.chi x6 as above V 45-70, 1-4mm-qt3.chi x6	with fresh-looking hb prisms +	L ND	١.	-	1 hb port with	1	97	276	86513			1	}	1		l
matrix of plag. and chl. althornatics - no saus.?? DIDRITE (67.25-73.40m) V 45-2cm-qt3.py v3 45-70,1-4mm-qt3.chl x6 v to the pi	lup to Imm long in a seriate +	.	66	14	ats-chi veins (a		1					l	i			l
DIORITE (67.25-73.40 m) V 69 45-20m-9t3-py v3 as above (67.25-73.40 m) V 69 45-70, 1-4 mm, -9t3-chl x6	matrix of plag and chl. I		1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	7	700.14	 		T			 		·		
DIORITE (67.25-73.40 m) V 69 45-20m-9t3-py v3 as above (67.25-73.40 m) V 69 45-70, 1-4 mm, -9t3-chl x6	alta matics - no saus.??	/	-	No , sem 913-clikep py	1	1		1.				Ι΄				1
as above \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	V	L **	.	45-204-01200			96	1.5	8650				1	1		
as above (V) 15-70,1-4 mm - 913-ch/x6	DIORITE (67.25-73.40m)	1	69	<u> </u>		11.10	1				'	1	Į.	1		1
	I as about	/		5 45-70, 1-4 mm - 9t3-chl x6		100.19	ļ					1	1			
[*] LED [12:150, OWN * 91:3+M/(Cp)]	ا ع ما ما ما	ተ	1 .	50, 8mm - 9t3-P/(CP)			1.					1	1	1		
	l l	- M	1 .	1 , 1 , 1 , 1 , 2 , 1			96	1.5	84570			ļ	1			l
# 72 hb peril		-	172	M	lhb peril		1						1	1		

EXPLORATION DIAMOND DRILL LOG

HOLE NOGYD 89-5 Page 3 of 7

		m			m	%	%	SAMPLE	AS	SAY	VALU	ES.		
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	Brock		PY+	No.			1 1	- 1	ļ	
- HORNBLENDE PORPH.	нь	75	60°- sharp contact			95	2.0	86571						
(73.40-81.30m) -similar to above hb porp but contains in places clots of ep up to smmi dia-inor.	ND -	78	+ > mainly Finely + dissem py		75.29	97	1.0	86572						
py often as ep-py veinles - cars occurs as late stage fillings +	ND	- 81	to, 3cm, 9tz-ep-carb to ep-carb-bx so-60,1-3cm-9t3-epx6 50-sharp contact		78.33	97	.5	86573						
DIDRITE (8130-160 m) Same as above diorite	- ND	84	30,5 mm - py(cp)x2 30,6cm - ep-carb 40,3cm - ep-ai		81.38	98	1,5	86574						
- saus alt'd cut by dark alt'n zones which are often sharply defined	HO	87	45+40, 6mn-ep-carb-py/ 35,3cm-qt3-ep x2 20,4cm-qt3-ep(py)		84.43	95	1,0	86575						
by qtz-carb veins (contacts.	- WK	90	65,2em-9tzepx2 40°sharp contact	dark alt'n zone	87.57	96	, s	86576						•
	45 WK	93	10°,4cm-qt3-chl-py(cp)	stockwks and veins - rx appear croshed and irale with qts-carb.		97	.5	86577						
	- 40 - Mod	96	ilcm-massive ep dark alt'n		93,57	97	,5	86578						
	40 V WK	99	13 cm - massive ep	numerous dark	Ŀ	96	.5	865 79						
	ND	102	1 mr-massive ep	5-socm wide -gen with incr-	99-67	98	4.5	8 6580						
	2	105	Sm_massive cp		102.73	98	√. 5	84581						

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-5 Page 4 of 7

SCALE OF LOO	1			, , , , , , , , , , , , , , , , , , ,		0/	a /		A	SAY	VALU	ES		
GEOLOGY	FOLN.	M	MINERALIZATION	REMARKS	BLOCKS	% REC	% PY+	SAMPLE NO.						
	-		15, 5cm-ep					86582						·
	45 WK	108				98	۷.5	06-264						
·	-	_	50°, 3cm - ep		108.81			61-03						
·	NO	-			,	96	۷.5	86583			ļ			
·		_	= 80,4 cm, ep x 2 50,5 cm - ep 50,20 cm - ep	dark alth zone	111.86									
	- Wk	114 -	ep stockwk	with abundant op as somes		95	,5	86584		1				
	-		50°, 7cm-ep	and veins	114.91									,
	- wk	117	/ 20°, ЗСМ-ер	forming 2.3.00 of section - minor carb. as aash		95	15	86585						ı
	_	<u> </u>		Veins	117.96					1				
	ND	120				95	4.5	86 237	,					
·			60, 5cm-ep		121.05									•
	ND	123		Edarkalta		94	۷.5	86587						
		1125		Fance area	124.05	1					1			
	- ND	126	1) dark alto		95	۷.5	86588						İ
			60°, 204-ep	3	127.10					1				
	ND	129	60°, 204 - ep 70°, 304 - ep 60°, 704 - ep 70°, 1004 - epxz	ļ		95	4.5	86589						
• •	<u> </u>		80, 3cm - ex 50, 3cm - ep	} dark alth	130.15									
	- ND	132	60-70, 3-6cm - ep x S)			∠.5	86596					ĺ	
		134	70°, 20 ст-ер		133.20	96				- I	1			
	NO		70, 30cm - ep 25° 6 cm - ep				4.5	86591						1
		135	1 35% 6 cm - 60		136.25	95				_	1			
	LND		41		1.30.0	92	2.5	86592						
	<u> </u>	138	<u> </u>	1		ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ					1	<u> </u>	<u> </u>

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-5 Page 5 of 7 SCALE of LOG 1:200 ASSAY VALUES % SAMPLE FOLN. DEPTH GEOLOGY MINERALIZATION REMARKS BLOCKS REC PYH No. 40, ICH, ep. py x 2 139.29 .5 86593 ND dissem py(cp) 93 dark grey aphanitic dyke - similar to his 142.37 porph. ND 86594 140 diffuse contact 94 40°, 1cm - 9+3-P1 145.39 20°, 20m - 9t3-carb-ep-py ND 1.0 86595 1 dk alti + en clots 95 148,48 86596 ND 125, 2cm - 9t3-PY 150 95 Edark alt's 151.49 ND 50,6cm - Cb 4.5 86597 153 1 40 , zcm - 9 3 x 4 96 154.53 .5 ИВ 86598 110,2cm-qts-ep-py(cp) 95 5, 3cm - ep-py (cf) 157.58 1.0 86599 5, 5cm - ep - +4 (cp) 95 50, 2cm - ep-14-9t3 160m 20,6 cm - 9/3-ch 160.63 ND .5 86600 FINE GRN DIORITE 10, 2 cm - 9t3-carb (160 - 227.69m) 94 40, 50 cm - ep-py (cf) massive op-pay this is a mixed unit of 163-68 greenish appropriate Jone (silicification) 2.5 200% med-fine grn saus diorite similar to the above HO 86601 broken zone-poss fault

5-20, 1.3 m - 9t3-carb-

Eclots of ep-py(cp) in

} incr. carb-qtz voidets

Boo, . Sm. ep-carb(py)

ep-py-pyr.

diorite and ~800/o finer

gra dioritic rock +/pes.

- saus. altin appears to have IND

- obvious dyke rx. will

lessened in this unit

be noted

CH I'A

93

94

3.0

1.5

86602

86663

166.73

149.77

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-5 Page 6 of 7

		m			m	%	%	SAMPLE	 A 55	AY	VALU	es.		·
GEOLOGY	FOLN.	DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+		١		j	ł	1	
ÿ	n o	174	45,1.5cm - py (ep)		172.82.		1.0	86604						
	- Nb		Grushed some healed by qty-carb venilels t incr py. so, 30 cm-chl-qtz-ep-p. 5.12 cm-epx 3	dark alth 30me	175.87	95	2,0	86605						
v	HD		10-15,5 mm - ep-pyk3 45-6mm - ep-py 5 - 12cm - ep		178.92	95	1.5	86604						•
hb earch.	HD	180	s, scn-epxz 20° sharp contact		181.92	90	۰,5	86607						
hb porph.	ND	183	, , , , , , , , , , , , , , , , , , ,	***************************************	185.02	98	ی،	86608						
	ND	-	60°? 30°,25cm-ep-chl-carb 455,6cm-ep-qt3-py 50,8cm-epx2		188.67	96	.5	86609						•
<u> </u>	NO	-	60,9см - ер		164.50	95	.5	86610						
1			40°, locw - ep 45°, 15cm - ep 45-30, 60cm - ep 45°, 12cm - ep 30° 1 3mm - py		191.02	96	,5	86611						
	, NO	195	40,10cm-py		194.17	98	-							
	1 40	198	30-4cu-ep		197.27	98	.5	8661-2						
	NO	201			200.2	,	1.0	86613						
	אר	204	45, 70cm - chl-ep-cark ey (cp) 40-70cm chl-ep-py-cp		203.3	95	1.0	86614						

EXPLORATION DIAMOND DRILL LOG

SCALE of LOG 1:200

HOLE NO GX D 89-5 Page 7 of 7

SCALE OF LOG		Τ	GR.				01	9/					VALU	es s		
GEOLOGY	FOLN.			MINERALIZATION	REMARKS	BLOCK	% Rec	% PY+	SAMPLE No.							
	No	207	4	60? - Scm - ep		206.35	95	1.0	86615							
	ND	210		60- 12mm-Ep-py 40- 2:5cm- ep-py	disson + veinlet Py. Sample by J. Kerr	201.40	96	2.0	86616							
	ИĎ	213	-	5-20° 30 cm - chl-	dissem. and varilet py	212.45	96	3.5	86617							
	нь		N. VI	Carb- qt3-py-cp + 30 cm - ch1-ep-py 40, 3 cm - ep- 60? - 30 cm - ep-qt3 60+70+20,4-10 cm,ep		215.49	100	٠5	86618							٠
	ИЪ	219		15+15+50, 10cm; ep x 3 70+60, 5cm; ep x 2 60, 4cm; ep x 2 80, 30cm - ep	py as fine dissens and	218.54	100	.5	86619	,						
10 s		211	7	40,15cm-ep 60,20cm-cp 6,2 cm-ep	tiny vainlets	221.59	98	1.0	84620							
		225		50,3CM - EP		224.67	96	√ ∙5	१५८८।		_					
F.O. H. 227.69 m		•		45, 3cm.ep+2 90, 1cm-qts x3		227.69	95	۷٠5	86622		1				٠	
Solypoul															·	·
				44								,				
				TO A STANDARD TO	:-											

HOLE NO (4XD 89-6 Page 1 of 6

DATE COMPLETED 30 AUG	1989	LEA	1G:	TH 179.83 m (590') DEPAR	TURE -				DATE	<u> </u>	10x.	20,	1989	outh.	
GEOLOGY	FOLN.	M		MINERALIZATION	REMARKS	Brocks	% REC	% PY+	SAMPLE No.		AS	SAY	VALU	ES		
Casing To 14.02 m (broken core starts at 13.4)					3	13.41	50		0,227							
VOLCAHOCLASTIC SEDIMENT	_	15.m	1:) weak dissem	Chighly broken core	177.32		٠.১	86726							
med. grey, coarse grn clastic tx with rounded frags. up to 7 mm dia mainly dark grey to green frags.	-	18 m	: - -	Pyr. and clots of pyr. rich material up to 5mm.	Sharp to contact	17.37	85	.5	86727							
DARK GREY TUFF? (17.50 - 24.65m) Pine orn (<1mm) equigran med to	40	21		40°- clots and strings of ep-par	weak lim to	20.42	98	1.0	86728							
dark grey rx. with faint bedding str in places resembles a fine gru diorite - poss- a hornfels altered basic tuff - appears to consist of plag chl., hb, and bio. + weak dissen	-	24	1)	23.47	45	·\$	86729							
BIOTITE HORN FELS (24.65 m - 48.60m) hard (7) Cherty brownish grey	-	27	-	sharp compact.		26.52	15	.5	86730							
randers the dissen pyr includes beds of dark gray toff-	25	30	1	highly broken zone		29.57	76	۰۶	86731							
	•	33	1	30-3cm ep.pyr broken 3one		32-61	75	1.0	86732							
	-		1			35.66	75	.5	86733							
	-	36			,	38-71	80	,5	86734							

EXPLORATION DIAMOND DRILL LOG

SCALE of LOG 1:20		<u> </u>			T	0/			ASSAY	VALU	ES		
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	BLOCK	% Rec	% PY+	SAMPLE No.					
	•	43 m	zo, 3 cm - qtzcarb-pyr so, zcm , ep-pyr eogre w bano clastic	}Sharp 45° contacts	41.76	86	1.5	86735				`	,
	•	45m	35-1 cm - cp-pyrx 3		44.81	85	1.0	86736			·		
	25 ?	48	50, 6cm - 9tz-eart	·	47.85	48	1.0	86737					
DARK GREY TUFF? (48.66 - 60.0m)	-	51	Sharp 25 contact	no bedded	5090	90	1.0	86738					
similar to the above ruff unit but becoming noreasingly more fragmental bowards the base @ 60 m	-	54	fine dissen. pyr. t a few vainlets of massive pyr	structure - orientation of frage suggest a to incl to	53.95	95	1.0	8 4739					
typically a fine grvi branoblastic rx with prominent	-	57	10-100n - ep ppr. 30m	core axis	51.0	90	1.5	86740					
mm in a finer grn seriate round moss of plag., chl, sio and 9t3? - recrystallized	40	-	gradational contact		60.05	100	1.0	86741					
POLYMICTIC BRECCIA (60.0 - 72.34 m) rounded to subangular frag.s of diente, various spar	-	63	dissem pyr, and random mass. pyr.		63.09	98	1.5	86742	·				
orp.s., brown hb porp, ale grey felsic rx crowded no dark grey granulated into he dark grey tuff unit.	-		dray brown his porphchilled confacts.		66.14	¶ 5	1.0	86743					
ne dark grey tuff 'unit.	•	19	with ak grey Carb., Py, 9ts-carb and ep. Sm. wide	Prob. a mineraliza Shear zone - also zones of his zones.		95	4.0	86744					
	-	12	110° sharp contact] zone of brown ; bis o hornfele. Siver grant brown cherty rones		98	1.5	86745					

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89.6 Page 3 of 6

· ,	1			, , , , , , , , , , , , , , , , , , , 		%	9/		A 5.	SAY	VALU	F.5		-
GEOLOGY	FOLN.	OSPIH	MINERALIZATION	REMARKS	Block		% PY+	SAMPLE No.						
	-	-			72:14				 					
BRECCIATED QUARTZ DIDRITE Light grey, fine to med gry (12m) Plutonic rx tragments in	w)		of I fine dissem pyr.		75.29	98	1.0	86746					`	
durty green cherty matrix (72.34 - 77.10 m)	-	-			/3.61	95	1.0	86747						
GREEN BRECCIA (7210-89.0m)		78m			78.33								,	L
dark greyish green to char. by large ep. Frage up to 10cm dia in a switch grey green dioritic fine gru (<1mm) matrix		81	80-1 cm - qts-carb · py	gen inco pyr + py in reaction? rims around ep. Frage		15	2.0	86748						
The ep frags may be saus. althors simply mixtures of ep-phs-ete frags form only ~20% of rx - all are rounded with fussy boundaries (reaction boundaries) -	-	84-	broken carb vein			90	2.0	86749						•
other frags are present similar to the above polymichic bx but in subordinate amounts. From 86 to 88 m. there are few frag.		181	70-1 cm-913-84 2 } py veinlets 60-70°	J	84.43	18	1.5	86750						
and the rx resembles a rex. to CC. or volcanoclastic sed. BIOTITE HORNEYLS (89-93.15m)		-	50, 1-2cm - Pyr x 2 50, 1-2cm - Pyr x 2 50, 1 cm - Pyr.		87.48	15	2.5	86751						·
brownish grey cherty as above	25?	-	25° sharp contact		90.50	98	1.0	86752						,
DARK GREY TUFF (93.15 - 101.0 m) a dark grey equigranular fine grack imm) rx: similar to the	-	96	30-5 mm - earb x 4		43.57	98	1.0	86753						
above - appears to consist of plag. chl, bio, 9t3 gen. granoblastic tex poss a	-	- 99			36.62	95	1.0	86754						·
GREY HORNFELS (101-103m)	15*?	102	10,3mm, qtz-carb-py x2		99.67	98	1-0	86755						
grey cherty zone			30 -25 cm - ep-q teen 3 one 40-locm - pyr-chi.	contact @ min. zone	102.72	<u> </u>		1	 1	<u> </u>			1	
DARK GREY TUFF (103 - 135m) as above.	-	105	40-local Pir-chi	Contact to Min. 3086		98	3.0	86756						

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						%	%	SAMPLE		AS.	SAY	VALU	ES		
GEOLOGY	FOLN.	M DEPTH	MINERALIZATION	REMARKS	BLOCK		PY+	No.							
		-	3 bx 3 one - incr ep-grem				2.0	86757							
	_	ioBm	S-socon - carb-chlep-1913			98		66131	·						
			80-3cm-carb-py		108.81		1,5	86758				<u> </u>			
- <i>a</i>			S-Im carb-be some (re be. N healed by Carb) - minor Pf and Sphal :			98				ļ					
		-{	60+40-5m-9ts-carbx2		111.86		1,0	86759				ŀ			ļ
		114	en de amadization 5	angular cherty		98									
	20	-	80-10m- 913-cerb) }	114.91		1.0	86760							
		uz -	00- 3cm- di2 carp	rounded frage of chert, ak rx andep.		95									
	_		broken sone		117.96		1.0?	86761							
		150	4 \	,		95									
	_		broken 3 onc increcarb veinlets		121.00		1.6?	86762							
		123	iner care venters		124.05	90				 					
+ 3*	-)	161.05		1.0	86763							
		126	broken zone healed	Short cherty	127.10	95						-			-
	-		by carb veinlets	sections		1	1.0	86764							
		129	System of carb voinlets healing broken 2000		130.15	95			}		<u> </u>				
٠.	-		healing broken sone.	·			1.0	86765							
		132	30-5 My - 913-carb x 2		133.20	90									
	-	136	45-1 cm - blk-qtz-py carb veinlets	sharo s contact		95	1.5	86766							
BIOTITE HORNEELS (135-148.50m)		1,31)	136.25			1							
brownish grey cherty rx_	٠.	138		(incr carb veinlets approaching a fine studes				86767.	<u>.</u>						
		141)	-4	IN TIME STATES					ــــــــــــــــــــــــــــــــــــــ					+	<u> </u>

EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD 89-6 Page 5 of 6 ASSAY VALUES % % m SAMPLE m FOLN. DEPTH REMARKS BLOCKS REC PY+ No. GEOLOGY MINERALIZATION 90 139.29 1.0 86768 1/20-2cm qts 95 * bedding defined by greenish zones 142.34 highly broken some 1.0 86769 healed by 9tz. 80 DARK GREY ZONE (43.50 - 149m) 145.39 3.0 86770 incr. dissem similar to the dark grey broken core 64 + 641. tuff unit but in places dark 147 and 75 grey-green and soft (H-4) numerous at a ventet forming a weak 148.44 3.0 86771 stockwke. contact not evident GREY QUARTZ DIDRITE RO (149-16673m) blk coatings on a light grey fine to medium grn (1-2mm) plutonic rx consisting of 20% chl. hb, 151.40 . 5 86772 Some Frac's-MHOZ' broken some 153 60 20-30 % intersitual ats and broken : 30me 154.53 .5 86773 50-60 % feldspar - poss. a 45-4mm blk 9ts 4 40-2 mm-blkgt3 G.D. - The frag's in the 90 breccia (72.34 - 77.10) are of blk ats hies. this rx. From 149 to 154 m 157.58 .5 86774 the tex. is sl. porp. with spar phenos in a fine dark gray finer grn. matrix (chilled 3 one:) - from 164 to the bottom 45-2.5cm-blk qt3 45-2.5cm-DIR. 80 60,5cm- bik qts 1 50 445 40 - 1cm+ .5cm+ .1cm 40.63 contact at 166.73 the same tex. 86775 40° icu bikatzxz 46° icu bikatzxz 46°,40012cu-bkatexz blk coatings on ? is noted - elsewhere The tex is equipment to seriate. The 80 10,2cm blk 9ts. veins, veinlets and fracture fillings (MoSL?) - also contains minor 163.68 15-20m-blk 9t3 86776 disson. py. (not pyr.) + rare cp 40-1CM- blkqtsx2 85 arad. contact? 166.73 1.0 86777 DARK GREY TUFF? 148 (166.73 - 179.83m) highly broken zone similar to the above tuffs but 169.77 2.0 under magnification, resembles 86778.

a fine gun. diorite.

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EXPLORATION DIAMOND DRILL LOG

HOLE NO GXD89-6 Page 6 of 6

ĝ.	T	[<u></u>]		I	T	%	%		 ASSAY	 		
GEOLOGY	FOLN.	T) DEPIH	MINERALIZATION	REMARKS	BLOCK	REC	PY+	SAMPLE No.				
er an andesite dyke? in places pheno's of hb and plag. up to 1mm dia-		-	broken sone	blk coatings on frac's - Mnoz?	172.82	60	3.0	86779				
and play. up to 1mm dia - is this the hib porp dyle?		174	broken some - less than 4 cm frage	·	175.82	5 5	2.0	86780				. `
		177	man 4cm trags		174.18	80	2.0	86781				
E.O.H.					179.63							
JO Byrsaet		-		**			r				,	
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다. 번 사건 전												
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MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656

• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: GIBRALTAR MINES LTD.

ADDRESS: P.O. Box 130

: McLeese Lake, BC

: VOL 1P0

DATE: NOV. 02 1989

REPORT#: 890800 GA

JOB#: 890800

PROJECT#: NONE GIVEN

SAMPLES ARRIVED: OCT. 30 1989

REPORT COMPLETED: NOV. 02 1989

ANALYSED FOR: Au (FA/AAS)

INVOICE#: 890800 NA

TOTAL SAMPLES: 105

SAMPLE TYPE: 105 SOIL

REJECTS: DISCARDED

SAMPLES FROM: MR. G. BARKER

COPY SENT TO: GIBRALTAR MINES LTD.

PREPARED FOR: MR. G. BARKER



ANALYSED BY: VGC Staff

SIGNED:

: Raymond la

GENERAL REMARK: None

nd = none detected

-- = not analysed

MAIN OFFICE

1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656 ● FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT	NUMBER:	890800 GA	JOB	NUMBER:	890800	GIBRALTA	R MINES	LTD.		PAGE	1	OF	3	
SAMPLE	‡		Au											
			ppb											
85701			nd											
85702		*	nd											
85703			nd											
85704			nd											
			80											
85705			٥٧											
85706			40											
85707			210											
85708			60											
85709			50											
85710			200											
85711			140											
85712			440											
85713			500											
85714			40											
85715			100											
85716			120											
857 17			20											
85718			30											
85719			80											
85720			30											
85721			20											
85722			40											
85723			30											
85724			30											
85725			30											
85726			20											
85727			20											
85728	,		100											
85729			20											
85730			nd											
85731			nd											
85732			nd											
85733			30											
85734			20											
85735			20											
· 			_,											
85736			nd											
85737			90											
85738			20											
85739			nd											
_			110											
DETECTI	ON LIMI	T	5											
- · -			_											

is = insufficient sample

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1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 • (604) 251-5656 • FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT NUMBER: 890800 GA	JOB NUMBER: 890800	GIBRALTAR MINES LTD.	PAGE	2	OF	3
SAMPLE #	Au					
	ppb					
85740	30					
85741	140					
85742	20					
85743	30					
85744	30					
86551	40					
86552	20					
86553	30					
86554	30					
86555	100					
86556	30					
86557	20					
86558	20					
86559	30					
86560	30 ,					
86561	50					
86562	30					
86563	50					
86564	40					
86565	60					
86566	60					
86567	40					
86568	30					
86569	50					
86570	60					
86571	130					
86572	70					
86573	80					
86574	40					
86575	20					
86576	40					
86577	70					
86578	20					
86579	20					
86580	30					
86581	80					
86582	50					
86583	90					
86584	40					
DETECTION LIMIT	5					

is = insufficient sample

-- = not analysed

nd = none detected



MAIN OFFICE

1988 TRIUMPH ST.

VANCOUVER, B.C. V5L 1K5

(604) 251-5656

FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT	NUMBER:	890800	GA	JOB	NUMBER:	890800	GIBRALTAR	MINES	LTD.		PAGE	3	OF	3	
SAMPLE				Αu											
				ppb											
86585				30											
86586				30											
86587				90											
86588				90											
86589				60											
86590				30											
86591				60											
86592				80											
86593				100											
86594				30											
46600				30											
86595				100											
86596				110											
86597				50											
86598				80											
86599				30											
86600				100											
86601				120											
86602				140											
86603				nd											
86604				20											
86605				30											
86606				50											
86607				50											
86608				30											
86609				140											
				1 10											
86610				20											
86611				30											



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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: GIBRALTAR MINES LTD.

DATE: NOV. 30 1989

ADDRESS: P.O. Box 130

REPORT COMPLETED: NOV. 30 1989

: McLeese Lake, BC

: VOL 1PO

REPORT#: 890836B GA

JOB#: 890836B

PROJECT#: NONE GIVEN INVOICE#: 890836B NA

SAMPLES ARRIVED: NOV. 28 1989 TOTAL SAMPLES: 1

SAMPLE TYPE: 1 CORE PULP

ANALYSED FOR: Mo Cu Pb Zn Ag Au (FA/AAS) REJECTS: DISCARDED

SAMPLES FROM: MR. GEORGE E. BARKER COPY SENT TO: GIBRALTAR MINES LTD.

PREPARED FOR: MR. GEORGE E. BARKER

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: None



MAIN OFFICE 1988 TRIUMPH ST. ANCOUVER, B.C. V5L 1K5

VANCOUVER, B.C. V5L 1K5 • (604) 251-5656 • FAX (604) 254-5717 BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890836B GA	JOB NU	MBER: 890	836B	GIBRALT	AR MINES	LTD.	PAGI	1	OF	1
SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au				
	pp≋	ppm	ppm	pp∎	ppa	ppb				
84745	2	89	18	100	.2	20				

DETECTION LIMIT 1 1 2 1 0.1 5 nd = none detected -- = not analysed is = insufficient sample



MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5

• (604) 251-5656 • FAX (604) 254-5717 BRANCH OFFICES
PASADENA, NFLD.
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: GIBRALTAR MINES LTD.

ADDRESS: P.O. Box 130

: McLeese Lake, BC

: VOL 1PO

DATE: NOV. 30 1989

REPORT#: 890836 GA

JOB#: 890836

PROJECT#: NONE GIVEN

SAMPLES ARRIVED: NOV. 28 1989

REPORT COMPLETED: NOV. 30 1989

ANALYSED FOR: Au (FA/AAS)

INVOICE#: 890836 NA

TOTAL SAMPLES: 121

SAMPLE TYPE: 121 CORE PULPS

REJECTS: DISCARDED

SAMPLES FROM: MR. GEORGE E. BARKER COPY SENT TO: GIBRALTAR MINES LTD.

PREPARED FOR: MR. GEORGE E. BARKER

ANALYSED BY: VGC Staff

SIGNED:

lym/a -

GENERAL REMARK: None

nd = none detected

-- = not analysed

MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656 ● FAX (604) 254-5717 BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE 1 Au 55 ppb 84746 nd 84747 nd 94748 nd 94749 nd 94749 nd 94749 nd 94749 nd 94749 nd 94751 230 ph752 90 ph752 90 ph755 nd 94754 20 ph755 nd 94755 nd 94756 nd 94757 nd 94758 nd 94759 nd 94759 nd 94750 nd 9	REPORT NUMBER: (390836 6A JOE	NUMBER: 8	90836	GIBRALTAR NINES LTD.	PAGE 1 OF	4
84746							
8-747	5						
84748	84746						
8-774	8 747	nd					
84750		nd					
8 751		nd					
84752 B0 84753 20 84755 nd 84756 nd 84756 nd 84758 nd 84760 10 84761 60 84762 nd 84763 30 84764 nd 85765 20 85766 nd 85767 30 85768 nd 85767 30 85771 20 85771 20 85771 nd 85775 nd 85776 40 85776 40 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85777 nd 85778 nd 85779 nd 85779 nd	84750	nd					
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8 755	8 753						
8 756							
9 757	84755	no					
84758		no					
84759	84757	nc					
84760 10 84761 60 84762 nd 84763 30 84764 nd 85765 20 85766 nd 85767 30 85768 nd 85769 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20		no					
84761 60 84762 nd 84763 30 84764 nd 85765 20 85766 nd 85767 30 85768 nd 85769 nd 85770 20 85771 20 85771 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85777 20 85777 20 85777 20 85777 20 85777 20 85778 nd 85778 nd 85780 nd							
84762 nd 84763 30 84764 nd 85765 20 85766 nd 85767 30 85768 nd 85769 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85779 110 85779 110 85780 nd 85781 nd 85782 30 85782 30 85783 20	84760	10	i				
84763 30 84764 nd 85765 20 85766 nd 85767 30 85768 nd 85769 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85777 20 85778 nd 85779 110 85779 110 85780 nd 85781 nd		60	t				
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85765 20 85766 nd 85767 30 85768 nd 85769 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85777 20 85777 20 85778 nd 85779 110 85780 nd 85781 nd		30	1				
85766		no					
85767 30 85768 nd 85769 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85781 nd 85782 30 85783 20	85765	20	1				
85768 nd 85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20		no					
85769 nd 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20		30	1				
85770 20 85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85789 nd 85789 nd		ne					
85771 20 85772 20 85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85789 nd 85789 nd							
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85773 20 85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20	85771	20	ı				
85774 nd 85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20		20	1				
85775 nd 85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20	85773	20	1				
85776 40 85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20		no	†				
85777 20 85778 nd 85779 110 85780 nd 85781 nd 85782 30 85783 20	85775	no					
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85779 110 85780 nd 85781 nd 85782 30 85783 20							
85780 nd 85781 nd 85782 30 85783 20							
85781 nd 85782 30 85783 20							
85782 30 85783 20	85780	no	1				
85763 20							
85784 nd		20	•				
	85784	no	ł				
	DETECTION LIMIT						

is = insufficient sample

MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656 ● FAX (604) 254-5717 BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890836 6A	JOB NUMBER: 890836	GIBRALTAR MINES LTD.	PAGE 2 OF 4
SAMPLE #	Au		
85705	ppb		
85785	nd		
85786	40		
85787	20		
8578B	30		
85789	50		
85790	nd		
85791	nd		
85792	nd		
85793	nd		
85794	30		
85795	nd		
85796	nd		
85797	nd		
85798	nd		
85799	180		
85800	60		
85801	nd		
85802	30		
85803	nd		
85804	nd		
85805	nd		
85806	nd		
85807	nd		
85808	nd		
85809	nd		
85810	nd		
85811	nd		
85812	nd		
85813	nd		
85814	nd		
85815	nd		
85816	nd		
85817	nd		
85818	nd		
85819	30		
85820	160		
85821	nd		
85822	20		
85823	20		
`			

is = insufficient sample

-- = not analysed

nd = none detected

nd = none detected

-- = not analysed

MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656

• FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT	NUMBER:	890836	GA JOI	NUMBER:	890836	GIBRALTAR MINES LTD.	PAGE	3	OF	4
SAMPLE			A							
			ppl)						
85824			n							
85825 85826			no no							
85827			50							
85828			n:							
00020			***	•						
85829			23							
86612			3							
86613			20							
86614			2							
86615			n	1						
86616			n	đ						
86617			31							
86618			2							
86619			3							
86620			2	0						
86621			2	0						
86622			3							
86626			1							
86627			n	d						
86628			n	d						
86629			n	d						
86630			n							
86631			n							
86632			Ω	d						
86633			ก	đ						
86634			ก	d						
86635			 N							
86636			n							
86637			Ω							
86638			n	d						
86639			п	d						
86640			Ω							
86641			n	d						
86642			п	d						
86643			n	d						
86644			6	d						
86645				d						
86646				d						
86647				0						
DETECT	ION LIM	ΙŢ		5						

is = insufficient sample

DUR CLIEF CLPY



MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5

• (604) 251-5656 • FAX (604) 254-5717 BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER:	890836 GA JOB	NUMBER: 890836	GIBRALTAR MINES LTD.	PAGE	4	OF	4
SAMPLE #	Au						
	ppb						
86648	20						
86649	100						
86650	nd						
86651	nď						



MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5

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PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO. NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: GIBRALTAR MINES LTD.

ADDRESS: P.O. Box 130

: McLeese Lake, BC

: VOL 1PO

DATE: JAN 10 1990

REPORT#: 900002 GA

JOB#: 900002

PROJECT#: NONE GIVEN

SAMPLES ARRIVED: JAN 08 1990

REPORT COMPLETED: JAN 10 1990

ANALYSED FOR: Au (FA/AAS)

INVDICE#: 900002 NA

TOTAL SAMPLES: 165

SAMPLE TYPE: 165 CORE PULPS

REJECTS: DISCARDED

SAMPLES FROM: MR. G. E. BARKER

COPY SENT TO: GIBRALTAR MINES LTD.

PREPARED FOR: MR. G. E. BARKER

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: None



MAIN OFFICE

1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656 ● FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

 				_								
REPORT	NUMBER:	900002	6A	JOB	NUMBER:	900002	GIBRALTAR MIMES LTD.	PAGE	1	OF	5	
SAMPLE	•			Au								
				ppb								
85830				40								
85831				20								
85 832				nd								
85833			,	20								
85834				nd								
85835				10								
85836				nd								
85837				nd								
85838				10								
85839				20								
85840				20								
85841				30								
85842				20								
85843				nd								
85844				nd								
85845				nd								
85846				uq								
85847				nd								
85848				nd								
85849				nd								
00013												
85850	•			nd								
85851				nd								
85852				nd								
85853				nd								
85854				20								
AFAFF				4.0								
85855 85856				10 10								
85857 85858				30 nd								
85859				10								
00003				•								
85860				30								
85861				nd								
85862				nd								
85863				10								
85864				40								
85865				20								
85866				10								
85867				nd								
85868				nd								
DETECT	ION LIMI	T		5	i							

is = insufficient sample

-- = not analysed

nd = none detected



MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656

• FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT NUMBER: 9	00002 GA JOB NE	MBER: 900002	GIBRALTAR MINES LTD.	PAGE	2 OF	5
SAMPLE #	Au					
OFOCA .	ppb					
85869 05070	nd 1					
85870 85871	nd -d					
85872	nd nd					
85873	nd nd					
03673	nu					
85874	nd					
85875	30					
85876 95077	nd 20					
85877 85878	30 nd					
030/0	110					
85879	nd					
85880	nd					
85881 05000	nd					
858 82	nd 10					
85883	10					
85884	nd					
85885	nd					
85886	nd					
85887	nd					
86652	10					
86653	10					
86654	nd					
86655	nd					
86656	nd					
86657	10					
86658	10					
86659	10					
86660	10					
86661	20					
86662	30					
86663	30					
86664	30					
86665	30					
86666	30					
86667	20					
86668	30					
86669	30					
86670	120					
86671	20					
DETECTION LINIT	5					

is = insufficient sample

nd = none detected

-- = not analysed



MAIN OFFICE 1988 TRIUMPH ST. VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656

• FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U S.A.

										 					_
REPORT	NUMBER:	900002	6A	JOB	NUMBER:	900002	SIBRALTAR	MINES	LTD.		PAGE	3	OF	5	
SAMPLE				Au											
				ppb											
86672				30											
86673				40											
86674				30											
86675				30											
86676				40											
06677				44											
86677		,		40											
86678 86679				10 20											
86680				40											
86681				40											
00001				70											
86682				30											
86683				20											
86684				20											
86685				30											
86686				40											
86687				30											
86688				30											
86689				20											
86690				90											
86691				20											
86692				30											
86693				30											
86694				40											
86695				20											
86696				20											
86697				30											
86698				20											
86699				40											
86700				10 20											
86701				20											
86702				40											
86726				90											
86727				10											
86728				20											
86729				10											
86730				nd											
86731				20											
86732				10											
86733				20											
NETECT	ION LIMI	Ţ		5											
BE I LUI	TOW FILLS	•		J											

is = insufficient sample

-- = not analysed

nd = none detected

MAIN OFFICE

1988 TRIUMPH ST.

VANCOUVER, B.C. V5L 1K5 ● (604) 251-5656 • FAX (604) 254-5717

BRANCH OFFICES PASADENA, NFLD. BATHURST, N.B. MISSISSAUGA, ONT. RENO, NEVADA, U.S.A.

REPORT NUMBER: 900002	GA JOB NUMBER: 900002	GIBRALTAR MINES LTD.	PAGE 4 OF 5
SAMPLE #	Au		
	ppb		
86734	30		
86735	10		
86736	20		
86737	nd		
86738	nd		
86739	nd		
86740	60	÷	
86741	10		
86742	10		
86743	nd		
86744	70		
86745	10		
86746	10		
86747	10		
86748	10		
86749	30		
86750	nd		
86751	nd		
86752	130		
86753	nd		
86754	nd		
86755	nd		
86756	10		
86757	20		
86758	30		
86759	nd		
86760	nd		
86761	10		
86762	nd		
86763	nd		
86764	nd		
86765	10		
86766	nd		
86767	nd		
86768	10		
86769	20		
86770	260		
86771	130		
86772	nd		
DETECTION LIMIT	5		

is = insufficient sample

nd = none detected

-- = not analysed

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900002 6A	JOB NUMBER: 900002	GIBRALTAR MIMES LTD.		PAGE	5	OF	5
SAMPLE #	Au						
	ppb						
86773	10						
86774	nd						
86775	nd						
86776	nd						
86777	10						
0.770	-4		,				
86778	nd						
86779	nđ						
86780	10						
86781	10						

Gibraltor Assay Procedures.

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

Dor Cor **ASSAY CERTIFICATE** PPM Zn Sample No. Total Cu. ₩ MoS₂ % Ox. Cu. Ø ,6 (0

cc: Assay Lab.

Assayer `

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ASSAY CERTIFICATE

Exploration

Date Dee 14 19.8)

GXD89-4	!			Reversed order		
Sample No.	% Ox. Cu.	Total Cu.	Å MoS₂	マク	Ph	Aa
85837		(11	9	101.	20	Ag
38		202	7	70	27	1.0
39		125	5	164	29	lel
38 39 40		127	b	4-91	34	1.7
41		91	5	irto	17	1.6
42		119	8	151	20	(.1
43		139	17	142	20	(4
44		356	<u> </u>	4110	24	,9
uS		273	17	108	19	1.2
46		(38	13	40	13	,9
46		119	7	37	17	٠,٩
48		132	21	82 31	12	. 8
4-9		(82	9		20	(c0
50		132	15	37	16	1.2
51		132	14	34	8	1.2
52		βb	17	26	05	(.)
53		194	9	68	17	19
54		199	15	44	22	1.3
SS		100		36	14	. 8
SC		110		32 38 24	22	.7
57		185	12	38	22	1.2
53		134	13	24	11	1-2
59		104	23	25	8	1.0
(0		140	5	18	u	(.0
61		103	10	24	10	1.4
62		(08	11	22	В	.7
63		120	4	39	13	1.1
/						
			, <u>-</u>			

cc: Assay Lab.

Assayer J

ASSAY CERTIFICATE

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EXPLORATION	Date

Sample No.	% Ox. Cu.	ppm Total Cu.	ppm % MoSz	PPM Pb	ppm Zn	PPM Aq
GXD 89-6						
36771		121	19	27	29	0.9
72		122	8	27	35	1.0
73		109	7	2.4	60	0.9
74		24	13	21	30	0.9
75		46	6	22_	13	0.9
76		141	5	29	28	1.0
77 /		87	13	29	23	1.2
78		74	27	29	25	10
79		173	10	28	22	1.0
80		145	-4	28	50	1.0
81		83	<u> </u>	35	23	1.1
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cc: Assay Lab.

Assayer A.W.

Dor Core

ASSAY CERTIFICATE

• -	No.	
<u>.</u>	KPLORATION	Date

Sample No.	% Ox. Cu.	ppm Total Cu.	ppm # MOS2	ppm Pb	ppm Zn	ppm Ag
GXD-89-6						
34743		118	9	4	22	1.3
44		71	8	16	114	1.8
45		86	7	32	1/3	1,4
46		86	7	11	69	1.3
47		73	5	9	44	1.0
4R		168	5	15	214	1.4
49		123	g	13	209	1.8
50	······································	113	19	9	31	1.3
51		215	10	11	26	1.5
52		133	15	4	25	1.0
53		97	10	8	225	1.1
54	, w.	96	18	10	64	1.2
55		115	12	12	27	1.0
56		122	8	12	28	1.2
57		113	14	9	73	1.0
58		170	40	12	216	1.8
59		106	10	7	326	1.3
60		121	9	10	72	1.4
61		136	1-3	10	56	1.7
62		156	11	4	108	1.6
63		147	19	12	58	1,4
64		132	. 9	10	94	1.5
65		115	9	- 11	52	1.4
66		106	10	11	73	1.5
67		190	13	25	62	1.5
68		226	12	23	112	1.7
69		10.3	12	22	73	19
70 7		41	7	12	32	1.6

ASSAY CERTIFICATE

Dor Core

ASSAY CERTIFICATE

Exploration

Date Date 6

GXD89-6		A STATE OF THE STA				
Sample No.	% Ox. Cu.	Total Cu.	₩ MoS₂	Zn	Pb	Ag
86726		96	6	19	6 9	.5
27		113	1 7	17	9	15
28		135	1 11	19	7) &
29		101	1	16	10	1.0
30		143	13	24	1	1.1
3/		102	13	24 32	В	1.2
31 32 33		177	22_	35	12	1,0
33		132	12	25	1	. 9
34		126	16 -	30	5	18
35		117	12	33	1	1,0
35		106	8	40	10	1.0
37 \		163	25	35	13.	1,0
30		93	9	17	12	18
39		90	8	18	10	17
(43)		75	В	17	10	17
4		73	7	17	12	17
42		92	13	21	0	. 6
GX089-4						
G×089-4		P 5	3	24	9	1 B
31		158	5	36		.9
32		218 ?	6	19	15	
32 37		254)	18	61	14	1.4
74		155	5	25	10.	1,2
25		1//	7	22_	11	'B
364		140	6	2.1	11	· B
	· · · · · · · · · · · · · · · · · · ·	·	<u> </u>		· · · · · · · · · · · · · · · · · · ·	

cc: Assay Lab.

Assayer

Dor Core

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Sample No.	% Ox. Cu.	Total Cu.	¶ MoS₂	PS	Z:T	Ag
86652		167	103	10	73	1,2
53		140	27	11	97	1.3
54		125	23	9	65	114
55		128	21	17	114	1.3
56		71	10	10	104	1,0
57		71 96	14	70	103	11.3
58		97	17	11	70	· Salail
59		18	16	12	83	1,2
60		97	5	14	147	1
61		126	30	14	103	₹1. \
62		115	12	14	104	(4). I
63		102	9	' '	65	1.0
64		146	в	10	/110	j. l
65		123	15	12	100	1,0
66		152	17	12	102	1,0
67		152 135	32	12	91	41.7
68 69		103	45	17	117	1.4
69		124	14	10	73	03
10		117	14	20 17	142	1.1
21		119	16	17	85	1,0
72		113	13	6	72	1.0
73		111	15	20	8(1,2
74		100	14	14	66	120
75		144	15	16	40 °	1,0
20		160	16	14	62	(, 8
714		142	16	14	47	1.0
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ASSAY CERTIFICATE

P	P	M
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GXD89-3		r	PM			
Sample No.	% Ox. Cu.	Total Cu.	♣ MoS₂	Pb	2-	As
86626		119	164	17	300	1,6
27/		240	50	15	255	115
28		192	1.8	14	435	1.5
29		135	(6	22	127	115
30		140	14	12	95	1,4
31		161	14	15	157	1.7
32		135	14	23	175	1.6
33		152	14	20	170	1.5
34		120	В	10	65	1.4
35		133	U	17	141	1.7
35		134	16	24	340	1.4
37		95	11	10	141	1.3
33		115	76	18	249	1.5
39		116	46	26	213	1.7
9-3		98	11	(8	241	1.3
41		131	22-	16	140	1.4
42		166	23	10	200	1.3
4-3		133	20	17	85	1.8
44		147	18	14	51	1.5
45		158	1(13	66	1,6
45		111	21	10	125	(,8
47		(11	(0	17	(11)	1.5
48		140	13	13	290	1.3
49	1	90	24	13	61	1,4
50		131	16	B	94	1,6
51 +		154	16	\1	90	1.7
31						
			-			
(hb)						
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cc: Assay Lab.

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Dor Core.

ASSAY CERTIFICATE

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			Pb ppm	Zn ppm	Ag ppn
	411	16	lo	29	0.6
	284	15	9	31	0.9
	231	8	15	31	0.8
	230	9	16	33	0.5
	251	10	17	25	<u>o. 8</u>
	248	4	21	24	1.1
	318	12	19	30	<u>0.8</u>
	232	13	9	29	0.9
	308	12	8	.30	
	217	5	5	28	0.7
	540	4	10	96	1.5
	190	5	11	44	0.7
	176	3	11	32	- 0.6
	181	2	12	26	0.6
	182	7	5	27	0.7
A.F.	306	19		28	
	305	12		31	
	308	12	9	36	0.6
	419	17	1	31	0.9
	347	6	11	73	. 1.1.
				1	
					
		230 251 248 318 232 308 217 540 190 176 181 182 306 305 308 419 347	230 9 251 10 248 4 318 12 232 13 308 12 217 5 540 4 190 5 176 3 181 2 182 7 306 19 305 12 308 12 419 17	230 9 16 251 10 17 248 4 21 318 12 19 232 13 9 308 12 8 217 5 5 540 4 10 190 5 11 176 3 11 181 2 12 182 7 5 306 19 7 305 12 10 308 12 9 419 17 9 347 6 11	230 9 16 33 251 10 17 25 248 4 21 24 318 12 19 30 232 13 9 29 308 12 8 30 217 5 5 28 540 4 10 96 190 5 11 44 176 3 11 32 181 2 12 26 182 7 5 27 366 19 7 28 305 12 9 36 419 17 9 31 347 6 11 73

cc: Assay Lab.

Assayer ... D. A. W.

Dor Core

ASSAY CERTIFICATE

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Date, 19.89...., 19.89...

Sample No. 85786 67 88 89 90	% Ox. Cu.	169 161 216	8 7 20	12- 12- 18	218	Ppm Ag
88 89 90		161 216	7	12	144	
89 90		216	1 '		1	
89 90					297	1.3
			17	14	82	6.8
		168	7	14	83	1.0
91		200	12	13	40	0.7
92		203	3	14	28	0.8
93		307	7	22	34	1.5
94		67	4	23	83	1.4
95		104	3	14	86	1.3
96		194	3	13	33	1.1
97		117	2	11	19	0.7
98		142	3	10	18	0.8
99		126	2	13	27	1.0
800		248	3	15	26	0.9
01		219	2	12_	23	0.8
02		244	2	14	35	0.9
03		233	15	14	40	1.0
04		254	12		30	9.9
05		251	24	11	48	0.9
00		204	14	7	47	1.2
0)		179	12	1 7	40	1.0
08		298	43		43	1.0
09		285	24	12	33	0.9

DOT CORE

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

ASSAT CERTIFICATI

Exploration

Date Nov 14

GXD 89-5			,			, , , , , , , , , , , , , , , , , , , ,
Sample No.	% Ox. Cu.	Total Cu.	♣ MoS₂	Pb	211	Ag
86612		151	22	19	47	2.0
13 /		154	268	12	55	7.0
14		706	11	15	89	5.4
15		253	1	15	47	3.0
16		202	6	13	42	2.0
11		8120	14	27	668	6.10
18		565	1	12	71	2.2
19		251	Ģ	15	51	1.7
20		(71	8	19	55	1.7
21		196	1	16	51	1.7
21_		195	6	13	55	1.6
GXD89-2						
GXD89-2 85766		.277	5	15	780	1.5
67		.215	10	15	282	116
) 68		117	6	17	94	16
69		156	10	15	79	1.7
70		134	IV	15	73	1.6
71		92	11	15	47	16
72		120	`1	12	63	1.8
B		107	15	17	99	1.5
74		102	12	21	99	1.8
75		88	22	18	99 680	19
76 1		88	17	18	275	1.7
<u> </u>		99	14.	16	268	2.1
78		84	11.	13	58	1,7
79		140	ģ	14	45	1.8
80		(40	U	13	70	3,1
81		86	8	17	390	2.0
81		(५७	8	17	(01	(, 6
83		117	6	20	(0)	10
84		195	1	17	159	0,1
84 85		129	[1]	12	63	1.6
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cc: Assay Lab.

Assayer J Ū

Dor Core.

ASSAY CERTIFICATE

Sample No.	% Ox. Cu.	Total Cu.	₩ MoS₂	ppm Pb	ppm Zn	ppm Ag
54745						
1		98	11	71	109	1.1
46		84	7	26	89	1.2
47		96	66	23	90	1.1
48		පිර	6	23	පිර	0,9
49 /		83	- 5	28	68	1.3
50		86	6	29	110	1.1
51		119	8	28	146	1.5
		104	5	25	104	1,3
53			3	29	46	1.4
54		65	3	26	. 42	1,3
55		7 <i>5</i>	7	26	31	1.2
56		155	8	29	95	1.2
57		116	7	30	62	1.3
58		78	2	31	120	1.7
59		72	5	32	113	1.6
60		79	4	27	115	1.7
61		110	5	27	441	1.8
62		147	6	21	502 ●	1.5
63		156	6	23	176	1.5
64		120	11	25	188	1.5
65		125	8	28	282	1.7
			100			
0						
				-		
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<u> </u>						

cc: Assay Lab.

Assayer ... D. A. W.

Dor Core

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

1) Exploration

Date 0 \$ 24 189

GXD 89-5			PPM			
Sample No.	% Ox. Cu.	Total Cu.	™ MoS₂	Pb	Zn	Aa
86589 1		100	6	30	61	1.5
90 (78	\ 5	30	-55 60	1.5
9.1		152	/ B	26	60	1.4
92		193	3	33	62	1.4
93		380	522	37 21	64	1.7
94		276 ■ 542	35 37		45	1.7
95		542	37	25	42	1.7
96		396	154	25 27 23	62 64 45 42 37	116
97		194	56	23	26 37	1.5
98		137	13	26	37	1,5
99		204	31	29	35	1,4
600		767	14	26 29 26	291	2/0
01		690	460 -	<u> </u>	273	2,0
02/		736	500 . 98	31 35	73	ママ
03		141	98	35	38	21 \
04		270	46	24 35	46 95 54	1,7
05		520	73	35	95	2.0
26		234 317	Ý	29	54	1.6
57		317	5	24 21	46	1,5
000		446	4	21	24	1,5
99		200	12	27	44_	1,2
10		146	7	22	41	1.4
11		159	6	25	41	1,4
(23)						
					·	
				·····		



ASSAY CERTIFICATE

) Exploration

Date 02619 19.

(>X D 89 -	% Ox. Cu.	Total Cu.	% MoS2	<i>Pb</i>	21	Ag
86551	76 OX. Gu.			11	40	1.2
		145	4			
36 562		186	6	12	36	1,0
63		228	5	9	33	110
		135	6	6	30	1,2
65		407	5	11	37	1.3
66		250	39	12	34	115
67		397	15	12	34	1.7
68 /		64	フ	6	21	18
69 \		268	7	0	21	1,0
70		236	б	11	22	1,2
71/		14-9	4	12-	22	0,1
72		171	5	10	24	1,0
73		106	- 5	9	26	- 1,1
74		441-	7	10	46	1,4
75 \		143	7	9	31	1,0
76 /		334	в	16	31	1,2
77		195	46 -	10	33	1,4
78		150	5	9	42	1,3
79		186	4	5	49	1.0
80		148	7	9	42	1,1
81		126	5	7	47	1,1
82		152	6	В	59	1,2
83 /		15	3	[[54	1.2
		99	8	7	60	1,5
84 85 86		129	15	10	52	1,2
86		190	2	В	67-	1.1
ളാ		125	7	7	47	1.2
88 √		208	31	7	44	1.3
(28)						

cc: Assay Lab.

Assayer

ASSAY CERTIFICATE

Exploration

Date 0 20 18 1989

1.4

GXD89-1 Ag 1,5 Pb Zn ₩ MoS₂ Total Cu. Sample No. % Ox. Cu. ZZ

do 39.

 6x089-5
 589
 18
 22
 41
 1.6

 53
 224
 13
 21
 33
 1.6

 54
 200
 14
 33
 66
 1.3

BB

2.1 1.4

59 164 9 22 43 1.0 36 25 13 39 1.4 61 1 288 7 16 36 1.5

C24 Checks) | 2.4 2.0 4,0

 13
 818
 12
 22
 735
 4.0

 24
 87
 14
 20
 55
 12

cc: Assay Lab.

Assayer 30

ASSAY CERTIFICATE

Exploration Reason

Date 02 18 1989

GXD 89-1	cheeks	ppm			
Sample No.	- %-Ox-644	T j €al Cu.	% MoS2		
85701	PPMCu	150			
02		80			
03		86			
04/		100			
05		202			
06		170			
07		555			
08		120			
09		111			
10		3/8			
	428	450			
12	572	560			
13	818	747			
14		169			
15		166			
. 16		166			
17 [/37			
18		220			
19		205			
20		226			
21		1/2			
22					
7-3		133	The state of the s		
20	87	87	·		
25		104			
26		104			
27		98			
28		100 .			
29		154			
30		98 100 · 154 174			

Form, No. Mill - 1

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GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

Exploration

Date 0217 89

GXD89-	PPM					
Sample No.	. % Ox . Cu.	% Total Cy.	% MoS2	PPM Pb	PPMZn	PPMAS
85701	150	.17.	.20	21	35	びら
02	80	06	16	18	33	1.2
03	86	.07	19	20	31	1.4
04	100	608	12	25	27	1.3
05	202	. 15	1.8	22	97	2.4
05	170	.13)	15	28	52	2.0
07)		•34 •	11	33	4	3.0
08	120	(.09	12	19	35	1.8
09/	111	108	10	1 (27	1.2
10 ch's	z 318	. 24	17	21	45	2.0
	439 450	, 32-	18	20	179	2:8
1 -	564 660	39	20	20	73	2.2
1	782 747	(.51-)	,19	21	638	3.4
14	169	N3	19	15	145	1.8
15	166	112	17a-	13	227	2.0
16	166	14.)	14-	10	80	2.0
17	137	.19	15	19	139	1.7
18	220	(15	20	16	63	1.4
19	205	45	10	24	74	1,4
20	226	. 17	8	20	56	2.1
21	82	1.06	9	16	44	1.4
22	112	1.09	10	20	42	1.3
23	/33	(.10	15	20	163	1.6
24 (81)	87	, 85	20	17	52	1.2
25	110	.08	13	21	123	1,4-
25 29 29	104	· <i>E</i> B	16	20	16)	1.2
27	CIP	1.07	14	13	73	1.3
28	100	1.08	19	14	75	1.5
29	1 c Y	: \3	20	17		1.3
30 /	174	<u></u>	11	18	60	17,
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cc: Assay Lab.

Assayer J F

