REPORT ON DIAMOND DRILLING ON THE MOUNT POLLEY PROPERTY LIKELY, B.C., CARIBOO MINING DIVISION N.T.S. 093 A/12 52°30'N, 121°35'W

March 1995

Rad Pesalj, P.Eng.

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SUMMARY

The Mount Polley deposit occurs in a multiple alkalic intrusive complex within the Quesnellia Terrane, an allochton of dominantly Upper Triassic to Lower Jurassic mafic to intermediate volcanics and comagmatic intrusives that lies along the western margin of the Omineca Belt.

The deposit is hosted by an intrusion breccia developed near the top of the intrusive complex or in remnants of volcanics. The host intrusion and hydrothermal breccias are composed of fragments of syenodiorite, monzonite porphyry and minor volcaniclastics cemented by a late monzonite porphyry intrusive phase. The zones of significant copper-gold mineralization Central Zone and West Zone, have been defined by closely spaced drilling. The Central Zone is a tabular body of mineralized intrusion and hydrothermal breccias with northerly strike and moderate easterly dip. The zone measures 1,100m in length and 200 to 450m in width. The West Zone is a subvertical body of northwesterly trending mineralized breccias 500m long and 300m wide. Both zones are open below the present drilling depth. Principal primary minerals, auriferous chalcopyrite and magnetite, occur as stockwork and disseminations.

Although some sections of the upper most parts of the deposit are strongly oxidized, there is no evidence of supergene copper enrichment. Copper-gold mineralization is contained within pervasive K-feldspar-biotite-diopside alteration which is in turn surrounded by a propylitic pyrite-epidote-albite alteration zone.

In 1994, Gibraltar Mines Ltd. completed a program consisting of 1,215.85 m. of NQ drilling under an option agreement with Imperial Metals Corporation. The objective of the program was to confirm the results of previous drilling and to obtain samples for metallurgical testing.

1.0 INTRODUCTION

The Mount Polley deposit is one of several alkalic porphyry copper-gold deposits in British Columbia. The deposit is associated with a Lower Jurassic alkalic subvolcanic intrusive complex and related volcanics of Lower Jurassic age. The close relationship between the Mount Polley deposit, host intrusion and volcanic phases provides a base for the interpretation of local geological history, formation of the deposit and associated alteration assemblage.

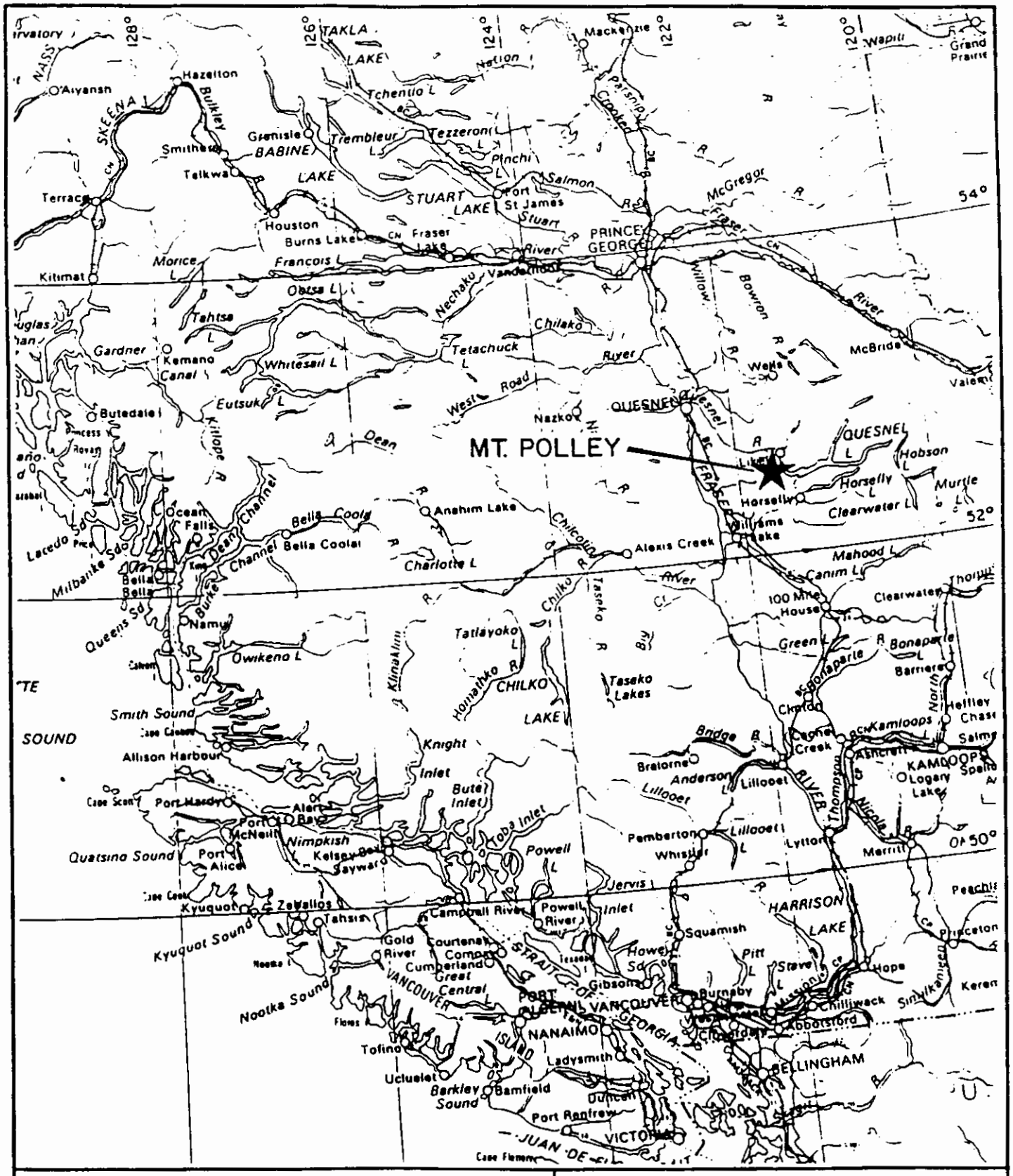
This report presents the results of a diamond drilling program on the Mount Polley property carried out by Gibraltar Mines in 1994 under an option agreement with Imperial Metals Corporation.

2.0 LOCATION

The Mount Polley deposit is located in south-central British Columbia (52^0 30'N, $121^0$35'W), 56 kilometres northeast of Williams Lake, west of Quesnel Lake and eight kilometres southwest of Likely, B.C. The property is accessible from Highway 97 at 150 Mile House via 76 km of paved road and 14 km of forestry road (Fig. 1). The topography of the area is characterized by moderate hills with recently clear-cut and partially forested landscape. The highest topographic point is Mount Polley with an elevation of 1265 meters above sea level.

3.0 HISTORY OF EXPLORATION

The Mount Polley deposit is located in a historic placer mining district which at the end of last century experienced the famous Cariboo gold rush. In 1964, the federal-provincial airborne magnetic surveys indicated a prominent geophysical anomaly on Mount Polley and subsequent prospecting led to the discovery of copper mineralization. In the period between 1966 and 1987 Cariboo Bell Copper Mines, Highland Crow Resources, Teck Corporation, E & B Exploration Inc., Mascot Gold Mines and Corona Corporation conducted a series of exploration programs including prospecting, trenching, geochemical and geophysical surveying and completed 290 drill



AFTER IMC, 1989

IMPERIAL METALS CORPORATION

MOUNT POLLEY

FIGURE 1 N.T.S. 93A/12

LOCATION MAP

km 0 50 100 150 200 km

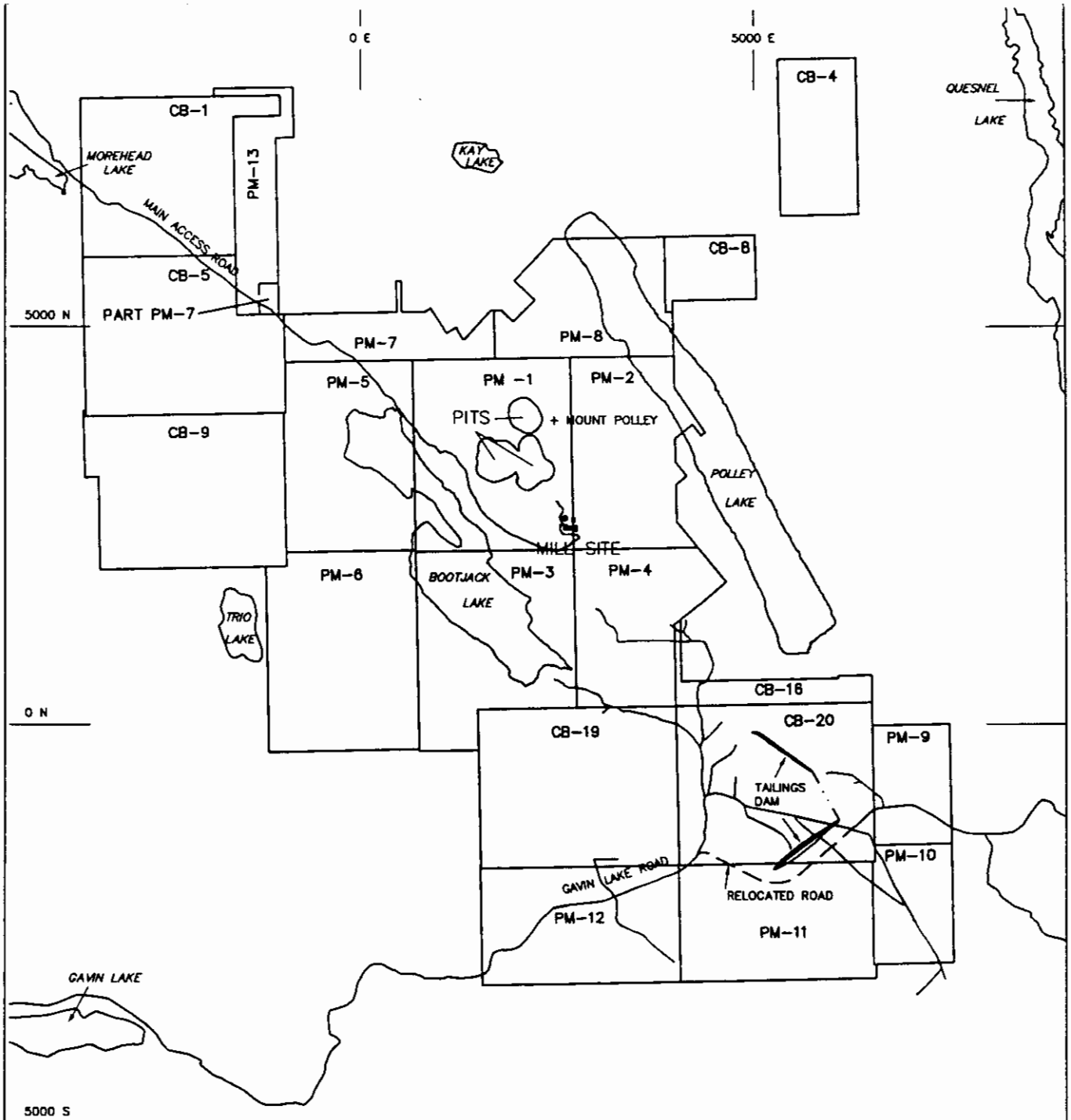
SCALE:	1: 5,750,000	GEOLOGIST:	K. McNAUGHTON
DATE:	DECEMBER, 1989	DRAWN BY:	J. CORKUM

holes totalling 33,736 meters of percussion, rotary and diamond drilling. Between 1988 and 1990, Imperial Metals Corporation completed an extensive exploration and evaluation program of the Mount Polley deposit. The exploration program included 238 NQ diamond drill holes totalling 27,566 meters and six bulk samples (130 tonnes) from surface trenches for pilot plant metallurgical testing. In 1990, following the completion of an ore reserve calculation, metallurgical testing, geotechnical study and an environmental impact assessment study, a feasibility study for 13,700 tonnes of ore per day open pit mine and mill was completed by Wright Engineers Limited.

4.0 THE PROPERTY

The Mount Polley property consists of 21 mineral claims covering an area of approximately 8,550 ha (Fig. 2). The property is owned and operated by Imperial Metals, #420 - 355 Burrard Street, Vancouver, B.C. V6C 2G8. The following is a list of claims with their names, record numbers, area and expiry dates.

Claim Name	Record #	Units	Expiry Date
CB 1	204470	20	1997/05/04
CB 4	204471	8	1997/05/04
CB 5	204472	20	1997/05/04
CB 8	204473	8	1997/05/04
CB 9	204474	20	1997/05/04
CB 16	204475	20	1997/05/04
CB 19	204476	20	2000/05/04
CB 20	204477	20	1997/05/04
PM- 1	206446	20	2000/09/17
PM- 2	206447	20	1999/09/17
PM- 3	206448	20	1997/09/17
PM- 4	206449	20	2000/09/14
PM- 5	206450	20	2000/09/29



IMPERIAL METALS CORPORATION

MOUNT POLLEY

FIGURE **2**

N.T.S. 93A/12

PROPERTY MAP

Metres 800 0 500 1000 1500 2000 2500 Metres

SCALE: 1:75 000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1990	DRAWN BY: GORC/rwr

PM- 6	206451	20	1998/09/29
PM- 7	206452	12	1996/09/29
PM- 8	206453	20	2000/09/17
PM- 9	206798	6	2000/02/23
PM-10	206799	6	2000/02/23
PM-11	206800	15	2000/02/23
PM-12	206801	15	2000/02/21
PM-13	207244	12	1995/0926

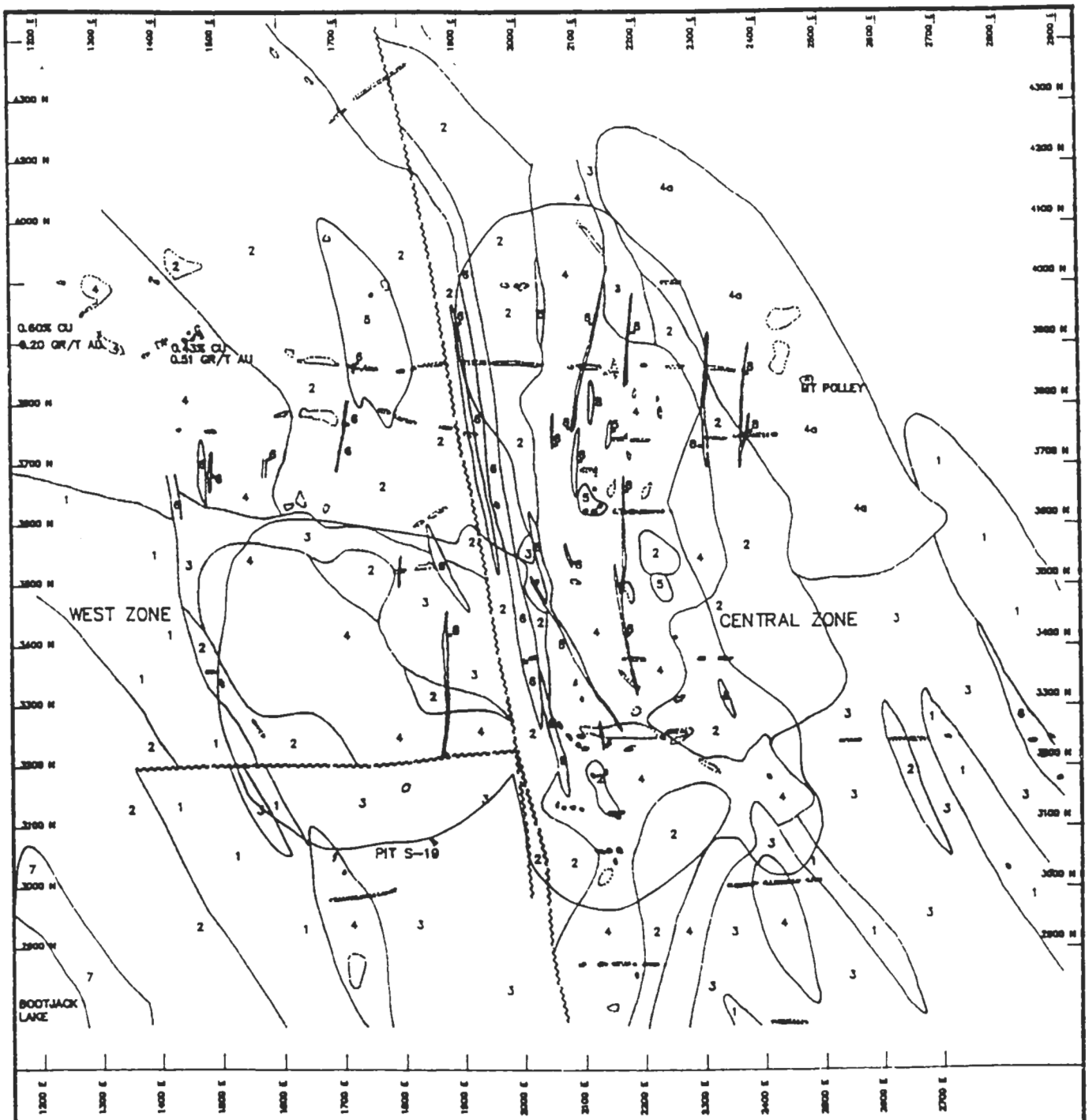
5.0 REGIONAL AND LOCAL GEOLOGY

The deposit is located in the Central Quesnel trough, a portion of the Quesnellia Terrane of the Canadian Cordillera that lies on the western margin of the Omineca Belt. Quesnellia is predominantly an allochtonous terrane which, during Upper Triassic and Lower Jurassic time, consisted of a volcanic island arc located to the west of Mesozoic North America. It was accreted to the Omineca Belt to the east during the Lower Jurassic.

In the central part of the Quesnel trough, between Polley Lake and Bootjack Lake, on the slopes of Mount Polley and Bootjack Mountain, an intermediate to alkalic intrusive complex is exposed. The complex consists of Polley stock and Bootjack stock. The stocks represent alkalic subvolcanic intrusions of similar age but exhibit contrasting lithology and texture.

The Polley stock of syenodiorite, monzonite porphyry and lesser pyroxenite composition forms the hills between Bootjack Lake and Polley Lake and hosts the Mount Polley deposit.

The Bootjack stock is heterogeneous in composition and varies lithologically from west to east from pseudolucite syenite porphyry to crowded orbicular syenite porphyry to granophyric nepheline syenite (Fraser, 1993).



9 – ANDESITIC FELDSPAR PORPHYRY DYKE

8 – AUGITE PORPHYRY DYKE

7 – PYROXENITE,GABBRO

6 – MONZONITE PORPHYRY–3

5 – MONZONITE PORPHYRY–2

4/4a – INTRUSION BRECCIA

3 – MONZONITE PORPHYRY–1

2 – SYENODIORITE

1 – GREEN LAPILLI TUFF AND CRYSTAL TUFF

– GEOLOGICAL CONTACT

– FAULT

– OUTCROP

–PIT S19 OUTLINE

IMPERIAL METALS CORPORATION

MOUNT POLLEY

NTS 93 A/12

FIGURE 3

SURFACE GEOLOGY

METRES 0 100 200 300 400 500 METRES

SCALE 1:10000 | GEOLOGIST R. PESALJ

DATE JANUARY 1992 | DRAWN BY D. CORC

6.0 DEPOSIT GEOLOGY

The deposit is located on the western slope of Mount Polley, east of Bootjack Lake (Fig.2). Six mineralized zones so far identified at Mount Polley are hosted mainly by the Polley stock. Hydrothermal breccia which cuts intrusion breccia and related intrusive phases is by far the most significant ore hosting lithology. Only insignificant amount of mineralization is hosted by volcanics.

Syenodiorite is the predominant lithology in the area between the Bootjack and Polley lakes. Syenodiorite is microgranular to porphyritic, light to dark grey and contains up to 70 percent subhedral prismatic plagioclase grains, interstitial secondary K-feldspar and varying amounts of biotite, green clinopyroxene and finely disseminated magnetite. Within the mineral deposit, the diorite has been pervasively affected by K-feldspar alteration that locally reaches 25 percent of the total mineral components. Syenodiorite is cut by amphibole-diopside- magnetite veinlets with pink potassium feldspar envelopes and by intrusion breccia in which diorite clasts represent the main constituent.

Monzonite porphyry a massive intrusive unit in the upper part of the Polley stock that forms the matrix to locally extensive intrusion breccias. The unit is a buff-to-pink, sub-porphyritic-to-porphyritic, leucocratic intrusive phase, with up to 40 percent subparallel prismatic plagioclase and minor clinopyroxene phenocrysts set in a microgranular anhedral aggregate composed of up to 50 percent K-feldspar, minor clinopyroxene and hornblende, and trace amounts of biotite, apatite, magnetite and sphene. Compared to syenodiorite, the monzonite porphyry contains less plagioclase, more secondary K-feldspar, and has a lower colour index. K-feldspar occurs predominately in the matrix, but also as occasional phenocrysts and rims on plagioclase phenocrysts. The rock contains small vesicular fillings of a carbonate, prehnite and a strongly pleochroic mineral interpreted as pumpellyite.

Intrusion breccia hosts almost all economic copper-gold mineralization in the deposit outlined to-date (Fig. 3). A second breccia composed of a K-feldspar phyric monzonite matrix with syenodiorite, monzonite and pyroxenite clasts is located at the top of Mount Polley but is void of mineralization (Hodgson et al., 1976).

Intrusion breccia contains mainly fragments of syenodiorite, monzonite porphyry and lapilli tuff cemented by a pink monzonite porphyry phase. The breccia is matrix supported and locally contains up to 35 percent clasts. In the southern part of the Central Zone, breccia cement is often magnetite rich and carries an above average copper and gold concentration. Breccia clasts are subangular-to-rounded and average about 3 to 12 cm in size, although syenodiorite blocks up to 30m have been observed. Due to the size of the fragments, the contact with syenodiorite or monzonite porphyry can be sharp to gradational.

Pyroxenite and gabbro were encountered only in drill holes at the east shore of Bootjack Lake. The spatial distribution of this unit has been interpreted from ground magnetometer survey. Post-mineral intrusions of augite porphyry, andesitic feldspar porphyry, minette, monzonite porphyry and sanidine monzonite porphyry cross-cut mineralized zones.

Augite porphyry, andesitic feldspar porphyry and minette dikes occur as a northerly striking and east dipping swarm throughout the deposit. They are unaltered, crosscut all intrusive phases east of Bootjack Lake except pyroxenite and gabbro to which they are probably related. On surface, dikes are continuous along strike and have an average thickness of 4 metres. They occupy a zone about 900 metres wide and appear to preferentially cut the intrusion breccia rather than massive diorite (Hodgson et al., 1976).

Monzonite porphyry dikes have up to 60% plagioclase and a composition otherwise similar to the monzonite porphyry phase of the stock. Although very common in and adjacent to the intrusion breccia, only few have dimensions large enough to be shown on detailed geologic maps.

Quartz monzonite porphyry dikes, mapped only within the Bootjack stock are probably related to a quartz monzonite intrusion of possible Cretaceous age that outcrops at Gavin Lake, 10 km southwest of the deposit.

Sanidine monzonite dikes contain large tabular sanidine phenocrysts up to 2 cm in length together with phenocrysts of plagioclase, augite and apatite set in a matrix of K-feldspar and

plagioclase, with accessory biotite, aegirine-augite, magnetite and quartz. These dikes occur in the upper part of the Polley stock and as matrix to the intrusion breccia at the top of Mount Polley (Hodgson et al., 1976).

7.0 ROCK CHEMISTRY

The volcanic and intrusive rocks at Mount Polley display alkaline chemistry and mineralogy, with general lack of quartz and abundant feldspathoids. The whole rock analyses of volcanics and intrusive phases of the complex revealed nearly identical petrochemistry. The alkalis versus silica plot confirms that the majority of samples are alkaline in composition, with only few samples in the subalkaline field. The later samples probably contain silica introduced during the process of copper-gold mineralization.

8.0 ROCK ALTERATION

Recent studies of Mount Polley deposit (Fraser, 1993 and 1994) have resulted in a re-interpretation of the rock alteration pattern.

Two distinct alteration assemblages have been defined: a copper-gold bearing calc-potassic alteration zone that is centred on the intrusive and hydrothermal breccias and a peripheral propylitic zone with low metal concentrations.

Post-mineral crosscutting veinlets of prehnite and fibrous, often radial zeolites associated with calcite are present in both alteration zones described above. These are most abundant in the vicinity of the intrusion and hydrothermal breccias.

9.0 COPPER-GOLD MINERALIZATION

Detailed drilling of the Mount Polley deposit to-date has outlined two principal zones of significant copper-gold mineralization known as the Central Zone and the West Zone. The two zones are separated by a north-south trending fault. The Central Zone is a tabular body of

mineralized intrusion and hydrothermal breccia with a northerly strike and moderate eastward dip. The zone is explored 1100 m along strike and 200 to 450 m in width. The West Zone is a subvertical body of northwesterly trending mineralized breccias 500m long and 300m wide. Copper and gold values exhibit close spatial relationships with each other and with hydrothermal and intrusion breccias (Fig. 3).

Primary minerals in the deposit include magnetite (7%), chalcopyrite (1-3%), minor pyrite (less than 1%), traces of bornite and native gold. They occur as disseminations, and in fractures and cavities. The most common vein assemblage consists of chalcopyrite, magnetite and diopside with or without pyrite. Chalcopyrite also occurs as fine grained disseminations in the matrix of hydrothermal breccia and rarely as breccia cement. Bornite is rare, and is found in chalcopyrite-rich areas. Gold is in form of minute inclusions (5-40 microns) of native gold in chalcopyrite and its distribution is not affected by the degree of copper oxidation. Supergene minerals include malachite, amorphous chrysocolla, native copper, cuprite, digenite and covellite. As mentioned earlier, supergene minerals do not form an enriched zone. They generally concentrate at or near the present day surface, but can be found at depth as a result of circulation of oxidizing waters along the post-mineral faults and fractures. The supergene copper minerals contain 25 percent of total copper in the deposit. The intensity of oxidation is the highest in the southern part of Central Zone and the lowest in the northern part of the deposit.

A pyrite halo consisting of up to 6 percent pyrite and minor chalcopyrite and measuring 4500 m in length and up to 1000 m in width is formed east of and structurally above the mineralized intrusion and hydrothermal breccias.

10.0 1994 DIAMOND DRILLING PROGRAM

The program by Gibraltar Mines Ltd. was carried out between June 2 and June 15, 1994 and involved a Longyear 38 drill operated by LDS Diamond Drilling four men crew working two twelve hour shifts per day seven days per week. Core logging was performed by R. Graden and M. Rydman, supervised by G. Barker of Gibraltar Mines Ltd. The author, who worked

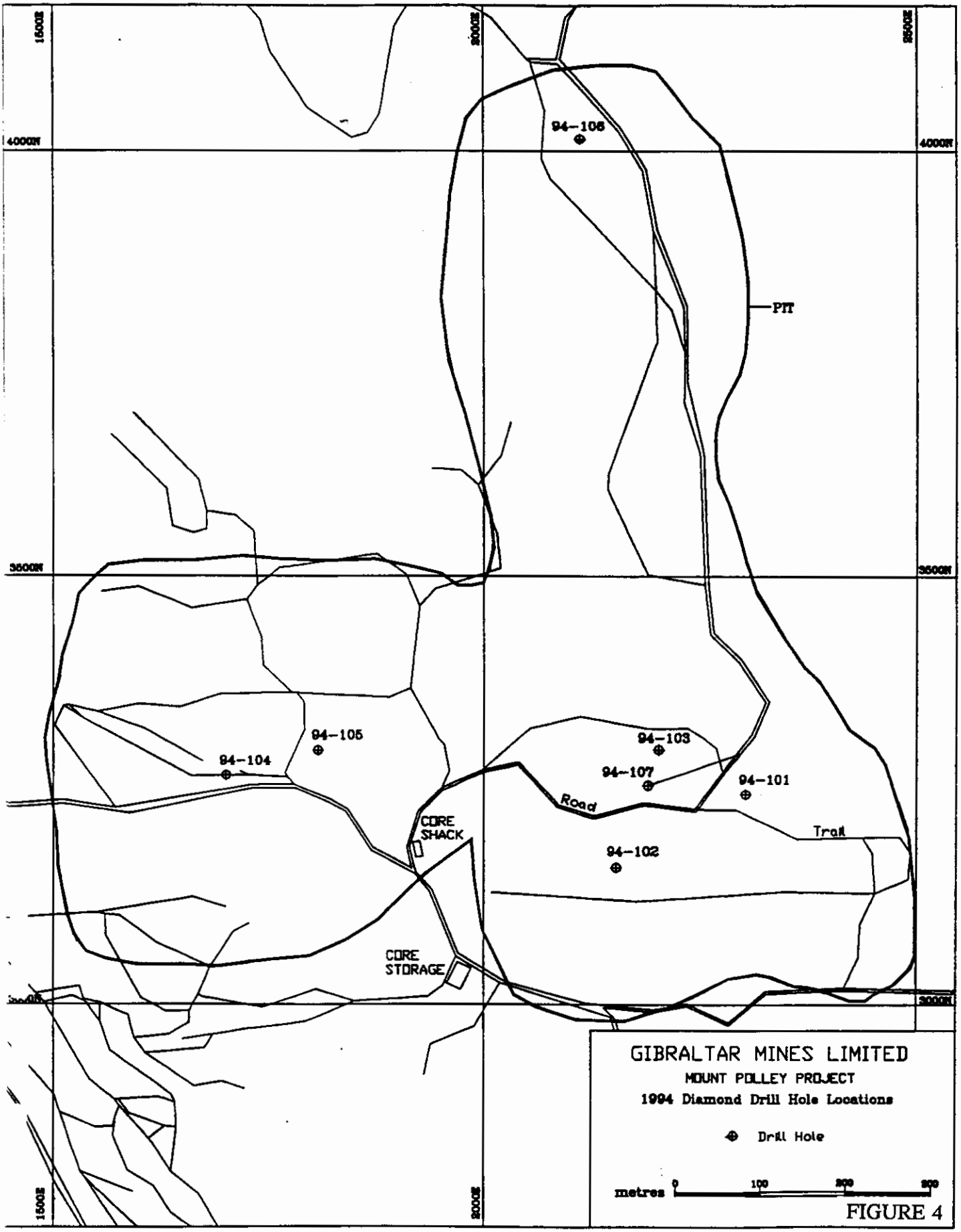

1500E
2000E
2500E
4000N
3500N
3000N
94-106
PIT
94-105
94-104
94-103
94-107
94-101
Road
Trail
CORE SHACK
94-102
CORE STORAGE
GIBRALTAR MINES LIMITED
MOUNT POLLEY PROJECT
1994 Diamond Drill Hole Locations
Drill Hole
metres
0
100
200
300

FIGURE 4

continuously on the property between 1988 and 1992, evaluated the results and completed the report. The program consisted of seven NQ size holes drilled to a maximum depth of 197.21m below the surface. Five holes were completed in the Central Zone and two in the West Zone (Fig. 4). Borehole logs are presented in Appendix I of the report.

The split core from the program was stored on the property for further reference. Core samples were taken every 1.5 meters and sent to Gibraltar Mines Lab and Min - En Lab for analyses. A total of 771 samples were collected and analyzed for Au, total Cu, acid soluble Cu, acid soluble Fe, cyanide soluble Cu in acid soluble residue and cyanide soluble Cu in the original sample. A total of 69 samples were analyzed for total Cu and acid soluble Cu. Analytical data is presented in the Appendix II of the report.

11.0 DRILLING RESULTS

The significant drill intersections from the program are listed in Table I.

Table 1.

Hole #	Interv.	Width	TCu (%)	OxCu(%)	Au(g/t)
94-101	115-200	85	0.54	0.28	0.83
	245-365	120	0.53	0.19	1.09
	475-535	60	0.32	0.01	0.48
94-102	20-65	45	0.30	0.19	0.79
	80-165	85	0.31	0.09	0.68
	210-260	50	0.38	0.04	0.99
	330-395	65	0.30	0.02	0.62
	420-460	40	0.39	0.04	0.66
94-103	120-200	80	0.30	0.17	0.58
	255-295	40	0.33	0.10	0.59
94-104	105-190	85	0.45	0.17	0.18
	210-547	337	1.00	0.13	0.48

94-105	75-170	95	0.38	0.13	0.26
	210-300	90	0.32	0.09	0.27
	345-465	120	0.87	0.09	0.94
	520-647	127	0.40	0.07	0.48
94-106	15-70	55	1.11	0.07	0.70
94-107	14-20	106	0.41	0.33	0.94
	230-280	50	0.38	0.27	0.40
	380-500	120	0.30	0.11	0.39

The 1994 drill program by Gibraltar Mines tested two major integral parts of the Mount Polley porphyry system, namely the Central Zone and the West Zone with the main objective to confirm the results of previous exploration. The program also provided additional information to an existing exploration database which was utilized in ore reserve calculation in 1991 by Wright Engineers Ltd.

The areas drilled display various degrees of oxidation, from weekly oxidized northern part of the Central Zone to the highly oxidized southern part. The two holes completed in the West Zone encountered a deep mineralization and remained in it to the end of drilling at the depths of 166.72m and 197.20m below the surface. The depth of mineralization encountered in five holes in the Central Zone varies from 36.58m in hole 94-103 to 86.87m in hole 94-102. Hole 94-105 drilled a narrow width of mineralization in what appears to be the extreme northern limit of the Central Zone.

Rad. Pesalj

March 7, 1995

Rad Pesalj, P.Eng.

CERTIFICATE OF QUALIFICATIONS

I, Rad Pesalj, do hereby certify that:

I am a Consulting Geological Engineer residing at 18192 Claytonwood Crescent, Surrey, B.C., V3S 8G8.

I am a graduate in Geological Engineering of The University of Belgrade, Yugoslavia (1963).

I have practised within my profession in mineral exploration in Europe, Canada and the United States for the past thirty years.

I am a Fellow of the Society of Economic Geologists Inc. and The Association of Professional Engineers of British Columbia.

The opinions and conclusions contained herein are based on a review of available technical reports, drilling results and observations made during my three years of exploration of the Mount Polley property.

I own no direct, indirect or contingent interest in the Mount Polley property or shares or securities of Imperial Metals Corporation or associated companies.

Rad. Pesalj

March 7, 1995

Rad Pesalj, P. Eng.

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STATEMENT OF COSTS

Personnel	
R. Pesalj Jan. 26-Feb. 4, 1995 10 days @ $300/day	$ 3,000.00
G. Barker, June 2-30, 1994 199 hours @ $33.77/hr	6,750.00
R. Graden, June 2-Aug. 31, 1994 616 hours @ $20.91/hr	12,880.56
M. Rydman, June 9-July 15, 1994 259 hours @ $20.91/hr	5,415.69
Drilling (June 2-18, 1994)	
1,215.85m NQ size @ $78.74/m	95,736.03
Analytical Cost	
771 samples assayed for: TCu, ASCu, ASFe, CNSCu on AS residue and CNSCu on original sample	10,408.50
771 samples assayed for Au and 69 samples assayed for TCu and ASCu	7,381.50
Vehicle Rental	
3/4 ton 4x4 truck: 3 months @ $970/month 1/2 ton 4x4 truck: 1 month @ $970/month	3,880.00
Supplies	
Core boxes: 215 @ $7.65/box Sample bags: 775 @ $0.23/bag Miscellaneous: flagging, topo string, etc.	1,848.00
	$147,300.28

January 30, 1995
RP\misc\costs:rb

APPENDIX I

Borehole Logs

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-101 Page No. 1 of 11

LOCATION CENTRAL ZONE | BEARING - | LATITUDE (N) 3245.16 | CORE SIZE NQ | LOGGED BY R. GRADEN
DATE COLLARED JUNE 2, 1994 | LENGTH 597 ft. | LONGITUDE (E) 2299.86 | SCALE OF LOG 1" : 10' | DATE JUNE 3, 1994
DATE COMPLETED JUNE 4, 1994 | DIP -90° | ELEVATION 1165.57 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

SYENODIORITE — PATCHY Potassic Alteration — Potassic alteration
INTRUSIVE BRECCIA — CLAY Alteration — chloritic alteration
MELANOCRATIC SYENODIORITE — microfractures, stockwork — Epidote alteration

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone 415 ft; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN sol Cu	% ASFe	% CN sol Cu on ASR.	Estimated Cu Grade
		17'			CASING TO 17'														
	ND	20'			Lim - MnO_2	1-2	ø				10	85001	.19	.10	.14	.02	6.24	.02	.05
SYENODIORITE 17' to 200' (SIMILAR TO MONZONITE PORPHYRY #2) BUFF RED MESOCRATIC Rocks COMPOSITION: 20 % MAFICS, 40 % PLA, 30 % K-SPAR, <10 % Qtz. MAFIC CONSTITUENTS:	ND	25'	Jt. 45°		MnO_2 - Lim	1-2	ø	Potassic Alteration 17' to 45'	27'	95	40	85002	.12	.08	.05	.01	5.67	.01	.05
		30'	Jt 55°		MnO_2 - Lim	1-2	ø	Flooding of K-spar into the matrix				85003	.14	.11	.07	.02	5.67	.01	.05
	ND	35'	FR. 45°	Carb 1/16"	Carb - lim - MnO_2 - Mal	1-2	ø	K-SPAR REPLACEMENT IN RELIC CARB VEINLETS.	37'	99	43	85004	.16	.11	.07	.01	5.88	.01	.05
			Jt. 45°		MnO_2 - Hem - Lim - mal														
		40'	Jt. 33°		Lim - MnO_2 - Ep - Mag	1-2	ø					85005	.19	.15	.10	.01	5.96	<.01	.05
Pyroxene, Biotite - altered to chlorite (partially) MATRIX: k-spar PLA - OCCURS AS small laths (1/16" to 1/8")	ND	45'	FR. 33°	Carb 1/8"	Carb - MnO_2 - Lim - Ep	3	ø	DROP IN K-SPAR Alteration at 45'	47	99	63	85006	.23	.15	.14	.01	6.40	.01	.05
		50'	Fa 21°		Clay - MnO_2 - Hem														
			Jt 33°		MnO_2 - Lim - mag	3-4	TR					85007	.19	.15	.11	.01	5.56	.01	.05

June 1994

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-101 Page 2 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu on ASP.	Estimated Cu Grade
- abundance of Mag. - RARE Mal - VERY RARE Microscopic Cp (Py) - Epidote - Rare muscovite - chrysocolla	ND	50 / 55 / 60	Jt 17° Vn 17°	upto 1/4"	MnO_2 - Carb - Lim - Ep - Mal clay - MnO_2 - lim - Ep - chr - mal	2-3% 1-2%	Ø Ø	Chlorite - Epidote alteration 45' to 57 - chl partially replaces Cpx. Ep replaces Pla. Weak k-spar	57'	97%	43	85008 85009	.22 .29	.16 .21	.15 .27	.02 .02	5.46 4.38	.01 .01	.05 .15
Common occurrence of mafic clasts upto 1.5" microgranular Diss. Cp starts at 53', not continuous	ND	65 / 70	Jt 80° Jt 50° Jt 57°		Ep - MnO_2 - Lim - Mag Ep - clay - MnO_2 - mag MnO_2 - Hem - Ep	2% 2%	Ø Ø	alteration. Trace Py. 3" Zone of High k-spar Alt. @ 52.5' mal, blob MnO_2	67'	90%	53	85010 85011	.19 .12	.09 .07	.27 .13	.03 .01	5.60 5.19	.02 .01	.10 .05
Occasional Drusy CAVITIES < 1% Filled in w/ Qtz	ND	75 / 80	Jt 55° Jt 50° Jt 10°		MnO_2 - Lim - Ep - Hem MnO_2 - Lim - Ep Ep(Clay) - MnO_2 - k-spar	<1% 1%	Ø Ø	Potassic Alteration 57' to As Described From 17' to 45' increased epidote alteration	77'	98	43	85012 85013	.15 .10	.10 .05	.15 .29	.01 .01	4.97 5.36	.01 .01	.05 .05
	ND	85 / 90	Jt 35° Jt 45°		-Hem -MnO_2 - Lim - Ep Lim - MnO_2 - Mag - cpy - py - bn	2-3% 2%	tr. <1%	copper mineralization along fractures, joints	87'	95	34	85014 85015	.10 .18	.06 .14	.14 .24	.01 .02	4.17 4.35	<.01 .01	.05 .10
	ND	95 / 100	Jt Fr 35°	1/16"	Lim - MnO_2 - Hem - mal Qtz - lim - Ep - k-spar - mag	1-2% 2-3%	TR TR	traces of diss Cp diss cp assoc w/ mag	97'	99	60	85016 85017	.17 .18	.12 .13	.20 .26	.02 .04	4.20 4.45	.01 .02	.12 .15
	ND	105 / 110	Jt 58° Jt 63		MnO_2 - Ep MnO_2 - lim - k-spar - chr	2% 1-2%	TR Ø	Drusy cavities Trace cpy	107'	99	77	85018 85019	.16 .17	.12 .13	.19 .23	.02 .02	5.07 5.36	.01 .01	.15 .20

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-101

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS (Leach Cap / Leachable Ox. / Lim. Zone / Supergene) Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CNSol Cu	% ASFe	% CNSol Cu on ASR.	Estimated Cu Grade
	ND	110, 115	45° Jt		MnO_2 - Hem	1-2%	Ø	mal, chr, along Joints		99	57	85020	.15	.09	.22	.01	5.68	.01	.05
		120	14° Vn	3/16'	clays, chr (altered Qtz)	1%	Ø		117			85021	.32	.23	.46	.05	5.43	.02	.05
	ND	125	Jt 37°		Lim - Ep - Hem - chr	1-2%	TR			90	53	85022	.12	.07	.16	.02	4.56	.01	.05
		130	Jt 30°		Lim - Ep - MnO_2	1-2%	TR		127			85023	.34	.24	.39	.06	5.55	.02	.05
FISSURED Interval 134' to 142' Several microfissures present in the Syenodiorite. Increase in magnetite. microfissures tend to be filled with mag & minor cp	ND	135	Jt 17°		Lim - Ep - MnO_2 - Ep - Hem	3%	TR	Heavily Broken interval with abundant lim staining along fractures minor chr. (cp, mag < 0.5mm)		96	40	85024	.46	.33	.48	.09	5.84	.04	.10
		140	Jt 45°		Ep - clay - lim - MnO_2 - kspar - Bio	3-4%	TR	Fracture filling w/ Nepheline & zeolites	137			85025	.55	.29	.62	.16	5.12	.10	.15
Associated with strong Lim along Joints. Zones of intense potassic alteration (k-spar flooding)	ND	145	Jt 1°		Ep - [illegible]	2%	Ø	[illegible] cp. Chr assoc. w/ zeolites along fractures and [illegible]		98	47	85026	.74	.41	1.04	.33	5.16	.22	.10
Intense k-spar Alteration 142 to 185'		150	Jt 58°		Ep - MnO_2 - Cp - Py	2%	<0.5	increase in microscopic cp. Cp, Py occurring along microfractures	147			85027	1.21	.20	1.52	.52	4.42	.39	.20
k-spar giving mottled pinkish grey to Dark pink moderate fractures w/ strong limonite staining	ND	155	JN 57°, JN 5° Fa?		Lim; Lim - MnO_2 - Hem	1%	<0.5	Diss Cp & Cp along fractures - some microfracturing. Fa (?) at 155' Bxd Rx, potassic Alt w/ mag, chr		97	63	85028	1.39	.27	1.91	.58	4.70	.40	.30
Alteration prominent after 155'		160	2-3° Fr	< 1/2"	Neph - zeol - clays - Ep - MnO_2	<0.5	Ø		157			85029	.39	.29	.81	.07	3.02	.02	.10
Clay Alteration also after 155'. K-spar flooding giving a brecciated appearance - abundance of cavities, filled w/ Nephelene, zeolites, chr	ND	165				TR	TR	K-spar flooding seen [illegible] zones [illegible]		99	63	85030	1.04	.88	2.93	.12	4.25	.03	.20
		170	Jt 47		MnO_2 - lim - Hem - Ep	0.5		@ 165 - 170 patches of clay alteration	167			85031	.57	.47	1.22	.04	4.18	.02	.15

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ROCK TYPES and ALTERATION	Foliation angle and intensity	Rx Typ	Alt	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN sol Cu	% AsFe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND			170		Jt 60°		Lim - MnO_2	0.5-1	TR		Fine grained cp				85032	.59	.20	.82	.22	5.05	.15	.15
	ND			175		Fr. 40°	< ½"	Neph - lim - MnO_2 - Cp					177	98	67								
	ND			180		Jt 45°		Neph - MnO_2 - lim - Hem - chr.	0.5-1	0		Chr along joints				85033	.31	.23	.46	.04	5.09	.02	.10
	ND			185		Fr. 12°	< ⅛"	Zeolite - MnO_2 - Hem - Chr	< 1%	< Ø		Stockwork of Zeolite veinlets at 120° to 85 interval				85034	.27	.21	.36	.03	4.60	.01	.10
	ND			190					2%	0		DROP in K-spar alteration	187	100	67	85035	.13	.10	.13	.01	3.54	.01	.10
	ND			195		Fr 40°	< 1/16	MnO_2 - Lim - Zeol - chr	1%	0		Return to k-spar Alteration minor Cp (microscopic)				85036	.34	.23	.33	.08	3.97	.04	.15
	ND			200					1%	< 0.5		Local abundant cp (microscopic)	197	99	53	85037	.36	.05	.49	.05	4.30	.03	.20
Intensely Altered Syenodiorite? 200' to 233' Closely resembles monzonite Porphyry. Local zones of Sussexite/ite	ND			205		Jt 43° Fr 30°	1/8"	MnO_2 Zeolite sticks	1%	0		Epidote replaced plag crystals				85038	.09	.05	.13	.01	2.69	<.01	<.05
	ND			210					1%	Ø		Broken rock	207	97	30	85039	.06	.02	.06	<.01	2.98	<.01	<.05
DARK - Buff to Pink Color Periodic zones of less altered Rk plag. crystals shape irregular (sometimes - lath shaped). matrix fine grained k-spar.	ND			215		Jt 30°		MnO_2	1%	Ø		Nepheline - 2½%				85040	.08	.04	.11	.01	2.22	<.01	<.05
	ND			220					1%	Ø			217	95	37	85041	.04	.03	.05	<.01	2.32	<.01	<.05
Composition Mafics : 10% plag : 20% k-spar : 60% Qtz : < 5% Zeolites / Nepheline : < 5%	ND			225		Fr 34°	1/16"	Zeol - MnO_2 - Ep	1%	Ø						85042	.04	.02	.04	<.01	1.73	<.01	<.05
	ND			230					1%	Ø		TRACE Chr	227	97	40	85043	.08	.06	.12	.01	2.60	<.01	.05

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN Sol Cu on ASF.	Estimated Cu Grade
Contact with syenodiorite above is abrupt. mafics: Biotite, Cpx. Some epidote replacement of plag. Cpy, mal, chr	ND	230 / 235 / 240	Jt 75° / Fr. 35°	< 1/16"	MnO_2 - lim / MnO_2 - lim / Zeol (Ep) - MnO_2	1-2% / 1%	Ø / Ø	TRACE cpy. moderate epidote alt.	237	96	60	85044	.18	.14	.28	.01	2.76	<.01	.05
												85045	.10	.06	.24	.01	3.91	<.01	.05
INTRUSIVE BRECCIA 233' to 309'. Mottled. Appear, from Buff red to medium charcoal grey. Gradational contact w/ above Syenodiorite is gradational	ND	245 / 250	Fr 27° / Fr 48°	1/16° / small w/ sticks	zeol (Ep) - MnO_2 / MnO_2 - Ep-zeol - Red mineral (Hem?) - mal	1-1.5% / 1%	Ø / Ø	chr, mal, unknown Bright red mineral changes to white when exposed with acid, seen along Fr.	247	97	67	85046	.08	.04	.16	.01	2.44	<.01	.05
												* 85047	1.14	.89	2.40	.47	2.80	.16	.90
ORIGINAL Rk. Syenodiorite? fissures infilled w/ Qtz. Alteration is a patchy K-spar alteration as well as along fractures. Minor epidote alteration. r. Composition: Plag ~ 50%	ND	255 / 260	Jt 45°		lim - MnO_2 - mag - mal / Lim - MnO_2 along Jts	3% / 2-3%	TR / Ø	Some clay alt. r.u.: diss cp, microscopic cp occurs w/ mag along microfractures. minor chr	257	97	77	* 85048	.51	.26	.68	.24	3.84	.12	.35
												* 85049	.44	.29	.74	.12	4.26	.06	.25
(spotty) K-spar ~ 15-20% Mafics ~ 25% Qtz ~ 10-15% Mafics: mafic clasts, pyx, Bio	ND	265 / 270	Jt 24° / JT 45°		MnO_2 - lim - Ep - mal / lim - MnO_2	3-4% / 3%	Ø / 0	Intense K-spar Alteration LARGE Blebs cp (upto 0.5") TR chr, mal, minor Diss cp microfractures infilled w/ mag.	267	96	65	* 85050	.51	.23	.97	.18	2.85	.10	.40
												* 85051	.86	.07	2.02	.15	3.14	.10	.30
Mineralization: mal, chr, cpy, mag. Lim ± MnO_2. occasional drusy cavities < 2% ~(1%) infilled w/ Qtz, zeoliks. Zones of Syenodiorite looking rock are periodic	ND	275 / 280	Jt 24°		Lim - Ep - MnO_2	2% / 1%	< 1% / Ø	massive cpy over this interval. Cavities infilled with cubic zeolites? / very fine Diss cp, some clay alt. chr, mal	277	99	70	* 85052	3.63	.06	12.01	.44	4.49	.41	1.5
												* 85053	.76	.34	1.31	.21	3.69	.11	.55
	ND	285 / 290				2% / 3-4%	TR / 1%	ep. clays (alt cpx) microfractures of magnetite strongly potassic. chr, mal	287	99	73	* 85054	.40	.36	.53	.02	3.38	.01	.20
												* 85055	.71	.35	.73	.17	4.14	.11	.40

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND	290 / 295 / 300	Jt 57°		Lim Along Fractures $Mn O_2$ - Lim	2 % 2 %	Ø Ø	minor diss cp, mal chr	297'	99	83	*85056 *85057	.44 .31	.26 .13	.38 .24	.13 .01	4.47 6.93	.08 .03	.15 .10
	ND	305 / 310	Vn 40°	<½"	Qtz-Carb-altered. (zeol?) w/ Bio	4-5% 1-2%	TR Ø	Massive fracture filling biotite. Biotite closely assoc. w/ cp and mag chr, mal High bio content	307'	99	85	*85058 *85059	.27 .28	.15 .19	.23 .30	.06 .04	6.98 6.25	.03 .02	.30 .10
SYENODIORITE 309' to 323½' As Described before. K-spar and epidote alt. along fractures	ND	315 / 320				1-2% 1%	Ø Ø	High K-spar alt ↓ brecciation	317'	99	70	*85060 *85061	.26 .14	.18 .09	.38 .19	.04 .01	4.62 3.32	.03 .01	.07 .05
MELANOCRATIC SYENODIORITE? 323' to 328' melanocratic, Dk. gray to black Fine gr. aphanitic matrix. K-spar ↑ epidote alt. along joints Upper contact @ 40° to core axis Lower contact @ 22° to core axis	ND	325 / 330	Vn 40° Jt 60°	3/8"	Qtz (AH?) + Carb? -chr - lim - $Mn O_2$ - Mal? lim - $Mn O_2$ - Ep	1 % 1 %	Ø Ø	Vns ? fractures at same angle TRACE mineralization in the intensely altered syenodiorite	327'	100	75	*85062 *85063	.08 .15	.05 .11	.11 .24	.01 .02	3.86 4.70	.01 .01	.07 .10
INTENSELY ALTERED SYENODIORITE 328' to 329.2' 1.2' ZONE INSIDE DK GREY SYENODIORITE Upper contact @ 22° LOWER contact @ 80°	ND	335 / 340	Vn 15°	¼"	Qtz - Ep - Cp - Py - mag	1 % 1 %	∠.2 ϕ	Dkye contains numerous microfaults, offsetting joints. Rock type varies drastically. (Breccia?) Finely Diss. cp. increase in diss cp.	337'	100	73	*85064 *85065	.24 .23	.08 .02	.27 .24	.07 .03	5.44 5.20	.04 .03	.18 .30
Bulked Rock Contains pods or small zones of altered syenodiorite assoc. with mal ± chr. Patches of cp in fractures ± vns	ND	345 / 350	Vn 45°	⅜"	Qtz - Ep - Chr - Mal?	<1% 1-2%	Ø TR	Patchy k-spar alt. minor ep Local clay alt. TR. CHR. mal strong clay alt @ 344'	347'	99	82	*85066 *85067	.27 .29	.15 .22	.31 .66	.01 .02	5.03 5.30	.02 .02	.15 .23

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% ASFE	% CN Sol. Cu on ASR	Estimated Cu Grade
MELANOCRATIC SYENODIORITE 329.2' to 374' BAKED Rk(?) or large clasts? STRONG K-SPAR Alt. Along microfissures AND JOINTS	ND	350				<1%	∅	STRONG CLAY ALT @ 350-351' // @ 355' minor chr. Ep, MnO_2 along fractures diss cp. (cup?), Bn	357'	98	83	85068	.31	.11	.54	.04	4.81	.03	.20
		355	Vn 22°	5/16"	Qtz - MnO_2 - Cp	1%	∅					85069	.22	.02	.33	.02	5.02	.01	.25
362-365' - Brecciated appearance of Rk. Clasts of Baked country Rk. mixed in with potassic alt. Rk (Syenodiorite)	ND	360	Fr 47°	< 1/16"	Qtz - Cp	1%	∅	Increased mineralization over last 3 feet Cp occurs in microveinlets and small fissures.	367'	100	80	85070	.21	.01	.41	.02	5.12	.01	.40
		365	Jt 32°	-	Lim - Ep + MnO_2	1-2%	∅	Increased fractures				85071	.15	.02	.26	.04	4.13	.03	.20
INTRUSIVE BRECCIA ? (Syenodiorite) fr. 374' to 476': As PREVIOUSLY DESCRIBED Numerous clasts of baked	ND	370	Jt 43°		Carb. - Cal	2%	∅	Similar structure as described between 362' & 365' weak clay alteration - strong potassic alt. Ep alt. mineralization in veinlets	377'	99	83	85072	.14	.01	.23	.01	5.45	<.01	.30
		375	Jt 47°		Ep - MnO_2	2%	∅					85073	.15	.03	.27	.02	3.17	.01	.30
country rock (black) ~ Syenodiorite ? Intervals of: breccia, Intensely Altered Syenodiorite Baked country rock. mottled dk. grey & buff red colour	ND	380	Vn 53°	1/8"	CARB - Ep - mal (chr?)	1-2%	∅	Strong K-Spar Alt. - fine grained ep. replacing mafics Tr. mal, chr ?	387'	97	80	85074	.11	.06	.19	.02	2.99	.01	.18
		385	Fa 27°		Hem - clays - MnO_2	1%	∅					85075	.13	.10	.19	.01	3.11	.01	.18
numerous microfractures. minor and localized clay alteration	ND	390	Jt 45°		Hem - clays	2%	∅	Strong clay alteration at top of interval blebs of cp < 1/3" chl & ep alteration along mafic micro fractures	397'	99	82	85076	.34	.14	.63	.09	5.20	.06	.25
		395	Jt 63°		CARB - MnO_2 - mal	1%	∅					85077	.12	.02	.18	.02	3.89	.01	.25
	ND	400	Jt 48°		MnO_2 - Ep	1-2%	∅	@ 402 - 415' slightly silicified zone Ep alt. (Ep clay?) along Fract. - micro faulting - cp and Bn diss	407'	100	77	85078	.12	<.01	.17	<.01	2.42	<.01	.25
		405	Jt 62°			1-2%	∅					85079	.14	<.01	.24	<.01	5.25	<.01	.35

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BOTTOM DEPTHS: Leach Cap · Leachable Ox. · Lim. Zone 415' · Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu on ASR	Estimated Cu Grade
	ND	410	Jt 18°		lim - MnO_2 - Hem	2-3%	Ø	Less K-spar flooding, more mafic clasts & chloritic alt.											
		415	Vn 23°	< 1/3"	Qtz - CARB - chl - cp	1-2%	Ø		417'	100	85	85080	.15	<.01	.20	.01	4.34	.01	.35
												85081	.24	<.01	.51	<.01	3.87	.01	.30
	ND	420	Vn 14°	< 1/3"	Qtz - CARB - cp - py	1%	TR.	multiple vienlets of cp (< 1/16") less fractures				85082	.12	<.01	.21	<.01	4.61	<.01	.50
		425	Vn 23°	< 1/4"	CARB - chl - Ep - cp	1.5%	TR		427'	100	89	85083	.11	<.01	.17	<.01	4.26	<.01	.35
Sulphide Mineralized TYPE Rock Banded 428' - 443'	ND	430	Vn 21°	< 1/8"	CARB - Qtz - chl - Ep - cp	1%	TR	cp assoc. w/ chl. chlor. in small microvienlets occasional microfaults				85084	.13	<.01	.21	.01	5.29	<.01	.20
		435	Vn 23	1/3"	CARB - Qtz	<1%	TR		437'	100	85	85085	.08	<.01	.08	.01	4.02	<.01	.25
			Jt 48°		Hem														
	ND	440	Vn 27°	< 1/8"	HEM	1.5%	Ø	Diopside - Ep - chl Calcite infilling vugs				85086	.09	<.01	.16	<.01	3.62	<.01	.25
		445	Jt 52		HEM - chl - cp	1%	Ø	chl. assoc. w/ cp. patchy chlorite blebs	447'	100	85	85087	.14	.04	.32	<.01	4.57	.01	.30
	ND	450	Jt 39°		Carb - cp	1.5	Ø	start of clay alt ? DRUSY cavities. Cavities infilled w/ calcite, zeolites ? Nepheline? larger spotty cp				85088	.15	<.01	.37	<.01	4.01	<.01	.28
		455	Jt 42°		Calc. - Cp	2%	Ø	chl. ? Diopside Vugs < 1.5%	457'	100	83	85089	.11	<.01	.23	<.01	4.32	.01	.25
Clay Alteration 459.5 to Weak alteration	ND	460	Jt 33°		Calc - Carb - cp	3%	Ø	Small cp patches cp assoc. with Hem along frac.; chl ? Ep. Higher mag. increased biotite				85090	.13	<.01	.31	<.01	5.37	.01	.30
		465	Jt 44°		Chl - Hem - cp	2-3%	Ø		467'	100	88	85091	.22	<.01	.58	.01	7.28	<.01	.40

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% AS Fe	% CN Sol Cu on ASR	Estimated Cu Grade
SYENODIORITE 475' to 485' As previously described PART OF INTRUSIVE BRECCIA?	ND			470		Jt 48°		Hem	2%	ø	ABUNDANT Biotite Qtz frac filling											
				475		Vn 7°	< 1/8"	Cp - Qtz - mag - carb	4%	ø		477	100	73	85092	.15	<.01	.46	<.01	6.83	<.01	.30
															85093	.42	.01	.53	.02	2.82	.01	.40
INTRUSIVE BRECCIA 485 - 488' As described ABOVE INTENSELY ALTERED SYENODIORITE 488' - 497'	ND			480		Vn 30°	< 1/2"	Qtz - Carb - Cp.	2%	TR	Diop - chl - Ep - Bio minerals present.											
				485		Jt 63°		MnO_2?	3%	ø		487'	100	85	85094	.23	.01	.41	.01	3.67	<.01	.35
															85095	.34	.01	.52	.02	9.98	.01	.30
AS PREVIOUSLY DESCRIBED Upper contact @ 35° to CA INTRUSIVE BRECCIA 497' to 549.5	ND			490		microfolding microfaulting Jt 43°		Hem	3%	ø	Cp in microfissures minor Ep.											
				495		Jt/Fa 95° crackled numerous microfissures	texture	Hem - clr. clays	2%	ø		497'	100	70	85096	.46	.01	.82	.02	3.13	.01	.40
															85097	.30	.01	.48	.02	3.66	.01	.28
Syenodiorite like composition crackled texture w microfissures microfaults	ND			500		Jt 26°		Hem.	2%	ø	mafics infilling of microfissures.											
				505		Vn 46° Fa	1/8"	Qtz Hem - chl.	1-2%	ø	Broken Rk at bottom of interval. ADK Hem minor chl. along frac.	507'	100	65	85098	.62	.01	.85	.02	4.07	.01	.30
															85099	.25	.01	.41	.01	4.07	<.01	.15
FAULT ZONE 505' to 517' Broken Rx HEMATITE Slickensides	ND			510					1-2%	ø	Broken RK w/ Hem + chl. along frac. cp increases at bottom of interval more competent RK											
				515		Vn 50°	< 1/8"	calc - carb	1.5%	ø		517'	95	32	85100	.25	<.01	.40	.01	7.30	.01	.20
															85101	.17	<.01	.24	.01	6.15	<.01	.28
				520		Jt 49°			1%	ø	Diss. cp · Very fine grain rare blebs BRECCIA looks like syenodiorite predominately rare clasts.											
				525		Vn 34°	1/8"	Qtz - CARB	2%	ø		527'	99	77	85102	.33	<.01	.41	.01	4.65	<.01	.33
															85103	.22	<.01	.30	<.01	3.94	.01	.30

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
	ND	530						Cp in close Assoc. w/ Mag.											
		535	Jt 35°		Hem - (Ep ?)	3 %	Ø	Ep Alteration & Magics, found in microfissures	537'	98	87	85104	.25	<.01	.42	<.01	4.23	.01	.38
						3%	Ø					85105	.14	<.01	.25	.01	3.20	<.01	.33
	ND	540	Vn 30°	1/4"	chl - calcite	3%	Ø	HEM. Infilling microfrac. very fine cp.		99		85106	.18	.01	.23	.02	4.17	.01	.20
		545	Vn 26°	< 1/2"	chl - calcite	4 %	Ø	ABu ep. at bottom of interval cp in microvions	547'		75	85107	.12	<.01	.20	.01	4.97	.01	.30
SYENODIORITE 549.5 to 5645' As Described at top of hole w/ less K-spar flooding	ND	550	Fr. 46°	< 1/16"	Qtz - carb - Mag (Slightly shear)	1-2%	Ø	Very light K-spar Alt. ABu. Diss cp., Ep Alt. cp decreases		100		85108	.15	<.01	.23	.01	4.15	.01	.20
		555	SZ 33° (Shear zone Ft ?)	8°	Qtz - carb infilling	3-4%	Ø	ABu mag. Diss	557'		85	85109	.05	<.01	.11	<.01	3.56	<.01	.10
	ND	560	FR 40°	1/8"	Hem - Chl.	3%	Ø	Diss mag		100		85110	.04	<.01	.06	<.01	3.80	<.01	.07
		565	Jt 30°		Hem - chl.	3-4%	Ø	cp Diss ; along Frac	567'		87	85111	.08	<.01	.11	.01	3.94	.01	.20
INTRUSIVE BRECCIA As 564.5 to 597' (E.O.H) AS DESCRIBED PREVIOUSLY Mottled Dk. grey & buff pink color.	ND	570	Jt 46°		MnO_2(?)	2-3%	TR.	Strong Ep. Alt. rare cp		99		85112	.07	<.01	.08	.01	4.05	.01	.15
		575	Crackled Fr / shear 58°	< 1/16"	mag frac. filling Hem - chl.	1%	Ø	Native Cu & Diss cp.	577'		70	85113	.07	<.01	.11	.01	4.61	<.01	.20
	ND	580	Vn 29°	< 1/8"	Qtz - carb - Chl - Hem	2-3%	Ø	Rare cp High Ep		98		85114	.06	<.01	.11	<.01	4.33	<.01	.13
		585	Vn 38°	< 1/16"	Carb.	1%	Ø	rare cp	587'		83	85115	.06	<.01	.08	.01	2.5	<.01	.07

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	GRAPHIC LOG: Alm.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN Sol. Cu in ASR	Estimated Cu Grade
		Δ		590		Fr 33	< 1/16"	CARB - cp	4-5%	TR.	Incr. mag.				85116	.07	<.01	.09	.01	3.56	<.01	.17
		Δ		595					↓	↓	Diss cp					↓	↓			↓		
								597' EOH			Ep alt. - replacing mafics	597	99	88								
											Ron Gruden											

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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LOCATION CENTRAL ZONE	BEARING —	LATITUDE (N) 3159.72	CORE SIZE NQ	LOGGED BY R. GRADEN	
DATE COLLARED JUNE 4, 1994	LENGTH 567'	LONGITUDE (E) 2149.52	SCALE OF LOG 1" = 10'	DATE JUNE 27/94	
DATE COMPLETED JUNE 6, 1994	DIP -90°	ELEVATION 1169.28	REMARKS		

ROCK TYPES and ALTERATION SYMBOLS

Intrusive Breccia; Syenodiorite; Trachyte Dyke; clay Alteration
Basic Dyke (Basaltic Dyke); Diorite porphyry?; Potassic Alteration; chloride Alteration
Andesite Porphyry Dyke; Plag Porphyry; Epidote Alteration; stockwork of microfissures

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alm.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CNSol Cu	% As ASFe	% CNSol. Cu in ASR	Estimated Cu Grade
												CASING TO 12'											
INTRUSIVE BRECCIA 12' to 165 SYENODIORITE composition LEUCOCRATIC to MESOCRATIC MOTLED BUFF / GREY COLOR				15'		Jt < 5°		Lim MnO2	5-6%	ø		moderately broken Rock. ABu mag. TRACE cp. minor Ep alteration	17'	95%	33								
				20'		Jt 15°		Lim - MnO2	3-4%	ø						85117	.15	.12	.41	.03	5.26	.01	.10
OCCASIONAL MAFIC CLASTS (upto 5"). STRONGLY Altered By K-spar flooding. Fissures contain magnetite. Composition: K-spar (Secondary?) 50%				25'		Jt 57°		Lim - MnO2	3-4%	ø		T.R. malachite rare Drusy cavities patchy mag.		90%		85118	.24	.19	.92	.04	7.45	.01	.13
				30					1%	<.05%		Badly Broken Rk, Poor Recovery BASIC DYKE	27'		20	85119	.07	.06	.24	.01	5.38	<.01	<.05
Plag 30% Mafics 15% Qtz <5% Carb <1% Mafics Composed of:				35'		Jt 40°		Lim - mal - MnO2	4-5%	TR.		Finely diss ep & mal mag also occurs as blebs wk. Ep alt. some biotite		80%		85120	.29	.27	.67	.14	12.8	.01	.30
				40'		Vn 30° Vn 17° Jt 53°	< ½" < ½"	CARB - mag - lim - cp - mal mag - mal - cp MnO2 - Lim	8%	ø		Pods of mag., Rare drusy cavities.	37'		58	85121	.52	.35	1.40	.21	15.1	.06	.22
biotite Pyroxenes magnetite In Mineralization includes: malachite chrysocolla Cp (TRACE Py)				45'		Jt 40°		Lim.	3-4%	ø		DK. Brown Rx at top of interval (lapilli tuff clast? or cooked contact rx?) +4" TR. chrysocolla. K-spar alt along joints. mal along Joints zeolites infilling cavities		97%		85122	.34	.24	.94	.10	7.6	.04	.17
				50'		Jt 49°		Lim	5-6%	ø		increased cp, mal	47'		48	85123	.40	.16	.69	.17	8.45	.08	.30

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	ASFe	% CN Sol. Cu in ASR	Estimated Cu Grade
25' - 30' Augite PORPHYRY DYKE (Basaltic Dyke?) Fine grained mafic matrix w/ Epidote altered Augite. rare Hematite blebs. Tr. Pyrite, minor magnetite	ND	50' / 55' / 60'	FR 48° Jt 33°	< 1/16"	Qtz - MnO_2 - lim Lim - MnO_2	3% 2-4%	∅ ∅	Zone (52.5-53.5) Epidote altered RK DYKE upper contact 65° to CA 2" upper chilled margin lower contact 41°, 7" chilled margin (burnt contact?) Dyke weakly magnetic cp - Bo - (Native Cu ?)	57'	99%	60	85124 85125	.28 .20	.12 .05	.77 .31	.10 .05	8.48 6.94	.03 .02	.17 .20
Basaltic texture Broken RK. No visible contacts POOR RECOVERY 57.5' to 60' Augite Porphyry (Basaltic Dyke?)	ND	65' / 70'	Jt 65° Jt 38°		Lim - MnO_2 MnO_2	3% 2-5%	∅ ∅	DRusy cavity infilled w/ mal. increasing cp to 65' minor chr. at top of interval Dyke upper contact @ 38°	67'	97%	61	85126 85127	.39 .15	.29 .09	1.15 .20	.18 .07	8.5 5.4	.04 .04	.40 .15
Augite? Altered to Epidote & sericite? 66.5' to 71' Augite porphyry Dykes Altered Augite phenocrysts	ND	75' / 80'	Jt 30° Jt 10°		Lim - Ep - mal Lim - Ep - mal	3-4% 3-4%	∅ ∅	Lower Dyke CONTACT ? Ep-chl alt along microfissures. cp assoc w/ Ep - partially silicified RK at bottom of interval microfissures w/ mag + Ep	77'	99%	60	85128 85129	.13 .16	.04 .09	.32 .35	.03 .05	4.08 3.89	.02 .02	.27 .27
to Epidote + sericite (Plag or Augite ?) Augite Por...	ND.	85' / 90'	Vn 18° Jt < 5°	1/4"	Carb - qtz - Ep - mal - dg ? lim - MnO_2 - Ep - mal	3-5% 3%	∅ TR	ABu mal along fractures numerous fractures cp & mag along microfissures Bright Red mineral found that changes to white when touched by dilute HCl (Cuprite?) cp along fractures	87'	97%	42	85130 85131	.36 .39	.11 .10	.81 .93	.16 .19	3.91 4.15	.09 .13	.40 .24
	ND	95' / 100'	Vn 30° Jt 30°	1/16"	Cp MnO_2 - Ep - mal - lim	4% 3%	TR ∅	Bn + cp Diss TR. mal more oxidized cu (mal) in this interval. Stronger K-spar alt.	97'	99%	60	85132 85133	.50 .46	.08 .26	1.24 1.22	.16 .21	4.80 3.84	.09 .06	.27 .30
	ND	105' / 110'	Vn 26° Jt 22° Jt 21°	3/8"	Calcite lim - mal - MnO_2 zeolite?, - lim - MnO_2 - mal	2-3% 1-2%	∅ ∅	Calcite veins increased brittle associated w/ strong K-spar flooding	107'	96%	45	85134 85136	.29 .14	.16 .08	.60 .31	.13 .03	5.24 4.75	.05 .01	.35 .20

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AS Fe	% CN Sol. Cu in ASR	Estimated Cu Grade
	ND	110' / 115' / 120'	Vn 36° / Jt 21°	1/8"	Qtz - CARB - Ep - Chl / Zeol ? - Lim - MnO_2 - Cp	1-2% / 2-3%	Ø / Ø	strong Ep alt 112-115' Faint k-spar Alt. mal along fractures / Diss cp	117	98%	65	85136	.20	.07	.83	.06	5.75	.03	.13
												85137	.23	.05	.41	.05	4.88	.02	.30
	ND	125' / 130'	Jt 32° / Vn 26°	1/4"	Lim - MnO_2 - mal / Qtz - Calc - Cp - mag	2% / 2%	Ø / Ø	Calcite infilling of drusy cavities. mal ! Red mineral / Breccia broken up by secondary cracking of Rk. infilling w/ Epidote & k-spar alt.	127'	98%	48	85138	.33	.14	.68	.08	5.47	.03	.32
												85139	.27	.10	.46	.06	3.28	.02	.30
	ND	135' / 140'	Vn 26° / Vn 29° / Vn 25°	< 3/8" / < 3/4" / 1/8"	Calc - Qtz - mag - Cp / CARB - Ep - mal - Cp / Qtz - Calc - Cp	1-2% / 1-2%	Ø / Ø	mal along fractures	137'	98%	78	85140	.27	.06	.50	.09	4.05	.05	.23
												85141	.40	.05	.65	.07	3.27	.03	.45
	ND	145' / 150	Jt 39° / Jt 46°		Lim - Ep - chl / Lim - MnO_2 - mal	2-3% / 2%	Ø / Ø	K-spar alt decrease locally ABUNDANT. increased epidote alt. / minor clay alt. increase of k-spar alt. Blebs of Ep / chl	147'	100%	72	85142	.14	.02	.25	.03	3.88	.02	.30
												85143	.16	.01	.26	.03	3.44	.02	.27
AUGITE PORPHYRY DYKE 165' to 175' As DESCRIBED ABOVE. Fine grained matrix with destinguishable plag. Strong Alteration of Augite ?	ND	155 / 160	Jt 51° / Jt 49°		Lim - MnO_2 - mal / Qtz - Clo.	2% / 2%	Ø / Ø	Abundance of bright Red oxide mineral (Cu bearing?) / Diss cp ?	157'	99%	73	85144	.28	.16	.68	.10	3.81	.04	.40
												85145	.46	.05	.77	.12	4.05	.06	1.00
phenocrysts to Epidote & chl. ? Fine gr. Diss mag. upper contact @ 38° to CA lower contact @ 38° to CA (along joint surface) minor amounts of Hematite	ND	165 / 170'	Vn 7° / Jt 12°	< 1/8"	Cp - Ep - Cal / carb - lim - Ep ?	2% / <1%	Ø / Ø	Drastic increase in Cp Diss & blotchy. / No Vis. Cp in Dyke weakly magnetic	167'	99%	75	85146	.43	.03	1.03	.05	4.50	.03	1.50
												85147	.02	<.01	.02	.01	4.92	<.01	.05

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
INTRUSIVE BRECCIA 173' to 188' As DESCRIBED ABOVE	ND	170' / 176' / 180'	Jt 59° Fr 10°	< 1/16"	Qtz - Cp. Ep - Cal - Cp - Bo - native Cu	1-2% 1-2%	Ø Ø	Return of Cp mineralization below Dyke Rk. Diss Cp - Bo - native Cu	177'	100%	85	85148 85149	.21 .27	.01 .02	.28 .59	.01 .04	4.54 4.29	.01 .02	.23 .70
MAFIC DYKE 188' to 197' VERY SMALL MAFIC PHENOS, ALTERED TO chlorite. Phenos < 1/16", much smaller than those of Augite Porphyry Dyke. Numerous stockwk of Qtz - Calcite and zeolites. matrix fine ground	ND	185' / 190'	FR 23 Vn 29°	< 1/16" < 3/4"	Ep - Cp Carb - Zeol - Calc.	2-3% 1-2%	Ø Ø	Significant drop in visible Cp mal - lim - mnOx seen along Fr. FAULT ZONE 190' - 204.5'	187'	98%	60	85150 85151	.15 .09	.02 .01	.38 .22	.03 .01	4.12 3.26	.01 <.01	.30 .18
chl & Hem along fracture surfaces BADLY BROKEN Rk. possible Fault zone some Rk softened to clays INTRUSIVE BRECCIA ? 197' to 202'	ND	195' / 200'	Vn 53° Vn 18°	3/8" 1/8"	zeol - carb Carb	1% 1%	Ø Ø		197'	95%	39	85152 85153	.01 .04	<.01 .01	.06 .04	<.01 <.01	3.52 2.21	<.01 <.01	.05 .07
Whitish "Puddingstone" looking Rk. BRECCIA CLASTS IN A MATRIX OF Calcite ± Carbonates. some clasts altered to chl. no visible mineralisation Hematite seen along Shears. Rk Created by Faulting. softened to clays lone	ND	205' / 210'	Sh 20° Vn 28° Vn 17°	1/8" 1/16"	Chl - Hem - clays CARB - chl - lim (contact w/ Dyke ?) CARB - mag - cp	1% 2-3%	Ø Ø	Back in more competent Rock. Drop in Carb vns Slight crackle appearance w/ mag + carb infilling fissures	207'	90%	57	85154 85155	.09 .23	.02 <.01	.20 .83	.01 .01	3.86 5.34	<.01 <.01	.05 .35
MAFIC DYKE 202' to 204.5' As DESCRIBED ABOVE BADLY BROKEN Rk. softened to clays FAULT ZONE (??).	ND	215' / 220'	Ft 20° ? Ft ? Vn 18°	1/16"	clays, chl - cp clay - chl. CARB - mag - chl - cp	3-4% 4-5%	Ø Ø	presence of cuprite, Dis cp. thin wispy carb microfrac	217'	96%	43	85156 85157	.35 .44	.04 .01	1.17 1.45	.05 .02	5.87 5.56	.03 .01	.40 .85
190' to 204.5' INTRUSIVE BRECCIA 204.5 to 260' As Described above	ND	225' / 230'	Vn 15° Vn	1/8" 1/2"	Qtz - zeol CARB	5-6% 2-3%	Ø Ø	small violets of Augite Porphyry in this interval Alt of Aug to Ep	227'	98%	51	85158 85159	.30 .21	.01 .02	.68 .65	.04 .05	5.03 5.02	.02 .02	.40 .25

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BOTTOM DEPTHS: Leach Cap | Leachable Ox. 260' ? | Lim. Zone | Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alm., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AS Fe	% CN Sol. Cu in ASR	Estimated Cu Grade
225' to 226.5' Augite porphyry Dyklet lower contact @ ~80° to CA 227.3' to 228.3' Augite porphyry Dyklet	ND	230' / 235' / 240'	Fa, Vn 26° Fa Fr	1/4" (Vn) 1/16"	CARB, clay gouge Calcite cryst. Calc. - Carb Ep - chl - Cp	2-3% 1-2%	Ø Ø	Fault w/ Carb. Vn above gouge material visible Increased biotite content Fault gouge material at 237' larger gr. Cp assoc. w/ Ep	237	96	43	85160	.39	.03	.79	.08	5.54	.04	.56
												85161	.33	.01	.68	.02	3.81	.01	1.10
Upper contact at 25° to CA lower contact bounded w/ 1/2" CARB. Vein. Lower contact at 32° to CA	ND	245' / 250'	Vn 30°	1/4"	Zeol - Calc	1-2%	Ø	Dyke RK Slightly mag. Cp assoc. w/ Ep	247	98	50	85162	.20	.01	.41	.02	4.51	.01	.37
						5-6%	Ø	BROKEN RK increased mag. content				85163	.41	.06	.85	.12	6.37	.06	.60
240' to 242' MAFIC DYKE VERY FINE chlorite Altered phenocrysts	ND	255' / 260'	Jt 73° Jt 22° Vn 16°	1/8"	MnO - Carb Ep - Carb - Ilm - Chl	7% 5-6%	Ø Ø	Fine gr. Diss Cp + larger blebs. Native Cu, Bn? Chl visible along Vn. End of oxide?	257	99	83	85164	.57	.08	1.53	.19	6.80	.09	.95
												85165	.60	.11	1.66	.24	5.88	.12	.80
SYENODIORITE (DIORITE ?) 260' to 290' MOD GREY COLOR Homogeneous, with numerous of the plag exp Saussuritic Alt (Ep-Sericite). mafic composition	ND	265' / 270'	Jt 46° Sh 36°		— Chl - Hem - Cal	3-4% 3-4%	Ø Ø	K-spar alt. along fractures and vns' Ep Vn K-spar	267	98	73	85166	.04	.01	.08	.01	3.15	.01	.15
												85167	.07	.01	.14	.01	3.02	.01	.10
<15%. Diss Mag. k-spar alt (flooding) localized and along frac' comp: K-spar - 15 % Plag - 60 % mafic - 15% Qtz - <10 % Mag - < 5%	ND	275' / 280'	Vn 26° Vn 22° Vn 30°	3/8" 1/16" 1/8"	Act - cal - Cp Act - Qtz - cal - Cp AEG - Cal - Cp	3-4% 5-7%	TR. Ø	K-spar alt along frac, Vns ! joints only. very strong around act. Vn. Cp assoc. with alt. Stronger Vns & Act ! Cp to bottom of interval ! Bn	277	99	88	85168	.18	.01	.35	.03	2.70	.01	.25
												85169	.16	.02	.29	.03	2.70	.01	.40
mafic composed primarily of biotite GRADATIONAL CONTACT w/ Intrusive Breccia	ND	285' / 290'	Vn 20° Vn 22°	1/16" 1/2"	Act - Cal - Cp Act - V - cal - Cp (TRem - Zeolites?)	5-7% 5%	Ø Ø	WEAK Ep alt of plag rare Gabbro clast.	287	100	80	85170	.31	.02	.55	.04	3.38	.02	.23
												85171	.13	.01	.21	.02	2.32	.01	.25

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
Diorite Porphyry (Monzodiorite Porphyry ?) 290' to 315' Significant Drop in K-spar alt composition otherwise similar to syenodiorite above. Increase in mafic composition ~20-30% (biotite, Actinolite, magnetite, chlorite) Plag lathe much more evident especially close to joints where they have been altered (sericite) Gradational change from Syenodiorite	ND	290 / 295 / 300	Vn 26°	< 1/16"	Act+Ep+Zeol (from?)-Cal-Cp	5-6%	∅	Plag laths becoming more evident (porphyry ?) like Rk more visible closer to Vn. structures.	297'	100	90	B5172	.06	.01	.12	.01	3.30	.01	.15
			Jt 63°		Alt-Ep-Cp-Bn	4-5%	∅	DROP in amount of fracturing & jointing minor mafic clasts				B5173	.08	.01	.16	.02	4.14	.01	.23
	ND	305	Vn 27°	1/8"	Cal (Crystal Shape)	4-5%	∅	Ep-Act-Cp along fls TR Bn.	307'	100	76	B5174	.07	.01	.17	.03	4.52	.02	.25
		310	Jt 40°		TR. Hem	7-8%	∅	increased microgranular mafics and mag				B5175	.03	<.01	.06	.01	4.53	.01	.13
TRANSITION of Diorite porphyry to Syenodiorite (porphyry?) 309 to 315' Increasing amounts of secondary K-spar replacing matrix material	ND	315	Fr. 33°	< 1/16"	Qtz-cal-Cp (plag laths, K-spar alt)	7-9%	∅	High mag. ? biotite mixed in with K-spar alt in matrix gives Rk a brownish color. white plag laths stand out. TRANSITION to Syenodiorite K-spar appears to be replacing matrix Cp closely ass. w/ Act. blebs	317'	99	82	B5176	.51	.04	1.01	.09	4.78	.05	.45
		320	Sh. 24°		Hem-Cal-Chl-Lim Slicks running ⊥ to surface	4-6%	∅					B5177	.20	.04	.44	.07	4.65	.04	.37
SYENODIORITE (PORPHYRY) 315' to 349' As Described Before Significant portion of the plag is in the form of laths. K-spar alt. locally strong. appears to form around plag and replacing matrix material.	ND	325	Jt 16°		MnO_2-Lim-Cal-Hem	4-5%	∅	stronger K-spar alt slightly more broken Rk rare small drusy cavities more Act Veinlets. Ep alt of plag (weak)	327'	98	70	B5178	.18	.03	.37	.05	4.47	.03	.35
		330	Vn 25°	1/4"	Act-cal-chl-Cp							B5179	.22	.01	.38	.02	5.88	.01	.20
			Vn 46°	1/16"	Zeol (from?)-Calc.	3-4%	∅												
	ND	335	Fr. 48°	1/16"	Qtz-calc.	4-6%	∅	Secondary biotite infiltrates Syenodiorite and gabbro clasts chl. alt. Cp-Bn-Act-mag along fract	337'	100	87	B5180	.43	.01	.68	.02	5.33	.01	.85
		340	Vn 33°	1/8"	Cal-chl-Act.	4%	∅	Small micro faults				B5181	.24	.01	.49	.02	5.08	.01	.40
	ND	345	Vn 45°	1/4"	Hem	3-5%	<0.05	numerous microfaults microfract infilled w/ Qtz & Hem slicks visible minor clay alt (Plag)	347'	99	75	B5182	.20	.01	.40	.02	5.62	.01	.65
		350	Sh 46°		Hem-Cal-chl-lim	3-4%	TR	Stronger mineralization to bottom of interval				B5183	.48	.02	1.08	.06	5.45	.03	1.25

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
INTRUSIVE BRECCIA (?) 349' to 359.4 AS DESCRIBED ABOVE SYENODIORITE composition RK may be strongly dk-spar altered with unaltered zones, producing a clast like Breccia. Strong K-spar locally	ND	350	Vn 43°	1/8"	Qtz - Carb - Hem	5-6%	Ø	Top of Interval appears silicified. Blebs of magnetite (upto 1/2")	357	99	82	85184	.20	.01	.49	.04	4.41	.02	.40
		355	Vn 20°	< 3/8"	Act - from ?	5%	Ø					85185	.32	.02	.71	.07	4.20	.04	.40
	ND	360	SH 36°		Hem-chl (slicks 45° pitch on surface)	4%	Ø	Stronger K-SPAR ALT	367	100	77	85186	.25	.01	.53	.03	4.45	.02	.43
		365	Jt 25°		Lim - Ep - MnO_2 - Cal	7%	TR	Partially silicified rare drusy cavities infilled w/ cal.				85187	.27	.02	.60	.05	3.80	.03	.60
Plag ± Porphyry (Diorite) ± Dyke 359.4' to 360.2' White-speckled brown-maroon color ABUNDANT rounded white plag phenos in a DK. maroon-brown glassy matrix (Qtz ?) minor mafics (< 10%)	ND	370	JT 39°		Qtz - Calc.	5%	Ø	Pods of Secondary biotite	377	99	87	85188	.28	.02	.50	.06	4.65	.03	.50
		375	JT 88°		chl - act - (slicks)	5-6%	Ø	occasional large clasts of gabbro				85189	.34	.04	.77	.11	5.14	.06	.40
Plag 55 % Qtz 20 % K-spar 20 % mafics 5% (mag, bio, chl) color may be result of K-spar ! Hematite cp seen along fractures	ND	380	Jt 60°		Qtz - Act.	8-10%	Ø	increase in magnetite Diss. lots of Biotite	387	99	77	85190	.26	.04	.53	.10	5.55	.05	.30
		385	SH 3°		chl - Qtz - Act slicks parallel to long axis	6-6%	Ø	Harder RK Drop in mineralization				85191	.38	.04	.75	.10	5.86	.05	.20
Upper Contact (irregular) 30° to CA Lower Contact at 65° to CA Lapilli fragments upto 3/16" INTRUSIVE BRECCIA (?) 360.2' to 396.5.	ND	390	Jt 50°		Calcite	7-8	Ø	Higher mafic concentration (to 30%) mostly biotite ± mag. Rare drusy cavities.	397	99	69	85192	.23	.02	.48	.07	5.34	.03	.15
		395	Jt 50°		Calcite	3-4%	Ø	Contact w/ lower plag porphyry dyke below.				85193	.04	.01	.09	.02	3.60	.01	.10
As Previously Described. PLAG PORPHYRY (Diorite) Dyke 396.5 to 413.8' As Described Above. green Hue at top trending to Pink at bottom	ND	400	JT 40°		Chl - Act.	1-2%	Ø	minor Ep ± Act Faint green color	407	97	70	85194	.02	.01	.04	.01	1.56	<.01	.05
		405	JT 16°		Lim - chl. - Ep - Cu	1%	Ø	K-spar Alt. → giving Reddish color. Traces of Native Cu along fractures				85195	.03	.01	.08	.01	1.86	<.01	.15
		410																	

Tracing

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alm., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol. Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
Upper contact @ 73° to CA Lower contact @ 43° to CA INTRUSIVE BRECCIA 413.8' to 455.8	ND	410 / 415 / 420	Fr. 7° Vn 78°	< 1/16" 3/4"	Calc. - Act. Zeol ? (Tram?) - Cp (yellowish - white fibrous.) 4-5	1-2% 6-7%	Ø Ø	Drop in K-spar Alt. (at 410', till bottom of dyke) Cp diss in Intrusive breccia High mafic content biotite (patchy blebs) mag, Act	417	95	75	85196 85197	.05 .19	.01 .04	.07 .35	.01 .10	2.55 6.21	.01 .05	.13 .15
SYENODIORITE COMPOSITION MODERATELY ALT. As Described Above.	ND	425 / 430	Vn 40° Vn 60°	1/8" 1/16"	Qtz - Act. TREM ?	4-5% 3-4%	Ø Ø	Increased Cp Cp assoc. w/ Act at top of interval. Then with abn biotite at bottom	427	100	73	85198 85199	.24 .29	.02 .02	.49 .47	.07 .05	3.91 5.28	.04 .02	.55 .60
~~MAFICITE~~ DYKE ? 455.8 to 458.3 DK. GREY V. fine grained matrix calcite microfractures. TR Hematite, patchy Very weakly magnetic, non-mineralized	ND	435 / 440	Vn 29° Jt 45°	3/4"	Pyx - Hem - Cp (?) fine violets composing a larger vein Mag - Ep - cp	6-7% 5-7%	Ø Ø	Higher Mag. content Lim on Broken Rk Patchy Act. Stringers of mag violets & Cp rare small drusy cavities infilled with Calc	437	97	57	85200 85201	.61 .56	.04 .04	.84 .97	.09 .08	5.14 7.09	.05 .05	.70 1.10
Upper contact @ 26° to CA Lower contact @ 38° to CA INTRUSIVE BRECCIA 458.3' to 462.5 AS DESCRIBED ABOVE	ND	445 / 450	Vn 22° FR 46°	1/8" < 1/16"	Pyx-Chl-Cal-Cp Qtz	7% 5-6%	Ø Ø	Bornite, TR. native Cu Diss Cp Diss Cp, Abn Born (native Cu ?)	447	98	85	85202 85203	.41 .37	.03 .06	.83 .74	.06 .15	6.47 4.49	.04 .09	.65 .60
TRACHYTE DYKE ? 462.5' to 474' MED BROWN color w/ white calcite blebs (up to 2 mm)	ND	455 / 460	JT 35°		Cp	3-5% 3-4%	Ø Ø	Cp infilling microfractures	457	99	80	85204 85205	.42 .21	.06 .02	.58 .32	.14 .05	7.08 3.42	.08 .03	.30 .20
Amygdules ?, Relic texture, barely visible, matrix altered by K-spar then wispy Calc. Veins Upper Contact @ 40° to CA Lower Contact @ 20° to CA	ND	465 / 470	Jt 15° Jt 45°		TR. Hem. —	2-3% 1%	Ø Ø		467	100	83	85206 85207	.15 .03	.03 .02	.21 .01	.04 .02	3.74 3.78	.03 .01	.05 .05

4/10

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type / Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
Plagioclase Porphyry Dyke (Diorite to Monzodiorite) 474' to 539.7		470																	
As DESCRIBED ABOVE Bright white plag phenos in a gray to brown matrix	ND	475			—	1 %	Ø	Contact with lower Plag Porphyry Dyke											
			Jt 75°					almost no structure.	477	99	87	85208	.03	.01	.02	.01	3.43	.01	<.05
		480				1%	Ø	Blotches of stronger K-spar alt.				85209	.03	<.01	.03	.01	2.12	.01	<.05
minor or localized K-spar alt. K-spar alt. zones give a brown-Red color matrix. large Distinct plag phenos to 3/16" (<8mm) xenoliths of altered Rx (syenodiorite & and gabbro?) upto 2"	ND		Jt 75°		—			loss of K-spar alt @ 483' -original alk? Act. minor Ep											
		485	Vn 36°	1/8"	Cal.	1%	Ø			100		85210	.03	<.01	.03	.01	1.93	.01	<.05
		490	SH 53°		Hem	1%	Ø		487		83	85211	.06	.01	.09	.02	2.15	.02	<.05
	ND	495	Vn 26°	1/8"	Act - chl - zeol (rimmed w/ K-spar alt)	1%	Ø	weak patchy K-spar alt.											
			Vn 23°	1/16"	Calc - Zeol	1%	Ø			98		85212	.04	<.01	.04	.01	2.11	.01	<.05
		500							497		75	85213	.06	.02	.04	.03	1.83	.02	<.05
	ND		SH 18°		Chl - Qtz - Cal - Act	<1%	Ø	Start of increased K-spar alt. giving Reddish-brown appearance											
		505								97		85214	.04	.01	.05	.01	1.91	.01	<.05
			Vn 28°	3/16"	Trem?, Zeol?	<1%	Ø	increase in veining (Zeol?, Trem?) Calcite crystals in drusy cav.	507		78	85215	.07	.02	.11	.03	1.87	.03	.05
		510																	
	ND		Vn 4°	<3/16"	Calc. - Trem?	<1%	Ø												
		515	Vn 22°	1/8"	Calc - Trem - chl - Act					98		85216	.05	.02	.07	.03	2.32	.02	<.05
						<1%	Ø		517		81	85217	.07	.02	.08	.03	2.23	.02	.10
		520	Jt 43°		—														
	ND		Fr. 54°	<1/16"	Calc.	1-2%	TR	VERY WEAK K-SPAR ALT. Bn & Dios Cp											
		525								100		85218	.14	.02	.22	.06	1.89	.04	.15
			Vn 33°	1/16"	Qtz - Calc.	2%	Ø	Rock VERY SIMILAR TO SYENODIORITE. weakly altered.	527		90	85219	.07	.01	.07	.03	1.99	.02	.23
		530																	

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-102 Page 10 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
TRACHYTE PORPHYRY Dyke 539.7' to 545.6' mGO Brown color with very small, thin plag laths. plag is a white green color, slightly altered by epidote. plag laths generally less than 1/16" occasional xenoliths of light pink-green syenodiorite. Contacts are dk. grey generally 1" to 2" chilled margins. Upper Contact @ 32° to CA LOWER Contact @ 40° to CA	ND	530 / 535 / 540	Vn 21° / Jt 6°	1/16"	Qtz. / Act-calc-Chl-cp	3-4% / 3%	ø / ø	Increase in K-spar Alt at 533' along with some wispy Qtz Vns. More diss. cp & Bn in assoc. w/ Act. along joints. Most mineralization along fractures	537	100	87	85220	.18	.02	.29	.05	1.84	.04	.45
												85221	.08	.01	.11	.02	1.72	.01	.25
	ND	545 / 550	Vn 30° / Jt 56°	1/8"	Ep-Calc. / Calc.	1% / 1-2%	ø / ø	More Ep alteration. Matrix altered w/ K-spar (1 Hem?) to give Rk brown color. Weakly magnetic. Dyke, less Ep Alt.	547	98	82	85222	.01	<.01	.02	<.01	4.08	<.01	.05
												85223	.03	<.01	.03	<.01	2.62	<.01	.10
Mafics: Augite phenocrysts - altered matrix altered with K-spar. PLAGIOCLASE PORPHYRY 545.6' to 547' As Described above		555	fissures 56° / sH 60°	<1/16"	Calc-Qtz-Fracture filling & common orientation. Chl. (slicks ⊥ to angle on core measured)	1-2%	ø	Strong K-spar Alt. Dk. maroon color. Calcite-Qtz infilling of numerous microfractures. Minor amounts of Tremolite	547	99	77	85224	.04	<.01	.06	<.01	1.83	<.01	.12
TRACHYTE PORPHYRY DYKE 547' to 548.5'		560	Vn 36°	1/16"	(Trem & Zeol?) - Calc.	1%	ø		547			85225	.05	<.01	.06	<.01	1.90	<.01	.10
As Described Above Upper Contact @ 30° to CA Lower Contact @ 40° to CA		565	Vn 46°	1/16"	Qtz	2-3%	ø	Strong K-spar & Ep alt. within the Latite Dyke. Increased mag. over interval	567	99	77	85226	.02	<.01	.02	<.01	2.23	<.01	.12
PLAGIOCLASE PORPHYRY 548.5' to 561.2' As Described Above					567' E.O.H.			END OF HOLE 567'											
TRACHYTE PORPHYRY DYKE 561.2' to 563.5' Upper Contact @ 35° to CA Lower Contact @ 46° to CA								Ron Gaden											
PLAGIOCLASE PORPHYRY 562.6 to 567 (E.O.H) As Described Above																			

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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LOCATION CENTRAL ZONE	BEARING —	LATITUDE (N) 3296.94	CORE SIZE NQ	LOGGED BY R. GRADEN	
DATE COLLARED JUNE 7, 1994	LENGTH 617'	LONGITUDE (E) 2198.43	SCALE OF LOG 1" : 10'	DATE July 26, 1994	
DATE COMPLETED JUNE 9, 1994	DIP -90°	ELEVATION 1180.751	REMARKS		

ROCK TYPES and ALTERATION SYMBOLS

- Intrusive Breccia
- Andesitic porphyry Dyke (Trachyte)
- Syenodiorite
- Abundant microfracturing.
- Albite Alteration
- clay Alteration
- Potassic Alteration
- Epidote Alteration
- chlorite Alteration

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone 470 ft.; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A-S Fe	% CN Sol Cu on ASR	Estimated Cu Grade
		20'						CASING TO 20'											
INTRUSIVE BRECCIA 20' - 42' DARK RED-BUFF TO DK GREY color. Bright RED MATRIX w/ Dk GREY Angular clasts. numerous fine gr. plag phenos (Less than 1/10")		25'	Jt 43°		MnO_2 - lim - Ep - mal	1-2%	Ø	oxidized Rk. Poor recovery at top of this interval mal				85229	.18	.16	.21	.03	3.24	<.01	.17
		30'	Jt 28°		MnO_2 - lim	1-2%	Ø	minor albite alt (assoc. with 'drusy cavities) partially silicified TR CHR	27'	65%	27	85230	.16	.14	.23	.02	3.21	<.01	.13
Clasts are a Dk. grey melanocratic Diorite (porphyry?). Clasts appear unaltered by the k-spar flood TRUE Rk. Type is a diorite or a pseudo' diorite breccia. Top of interval Rk. is oxidized w/		35'	Jt 30°		lim - MnO_2 - mal	2-3%	Ø	CHR ± mal Rare Act. blebs				85231	.20	.14	.21	.06	2.86	.02	.15
		40'	Vn 50° Fr. 27°	1/8" 1/16"	Act - cal - CHR Alb - CHR - MAL	2%	Ø	minor brittle blebs Act @ bottom of interval bottom foot ~ silicified	37'	93%	47	85232	.18	.14	.28	.03	4.22	.01	.30
Pyrolusite and limonite mineralization includes: cp, mal, chr, mag. Composition: K-spar 40 to 70 %, Plag 15-20 %, mafics 10-15 %. Rock altered w/: biotite, Albite, Actinolite		45'				1-2%	Ø	Badly Broken Rk from 41' to 51' (Fault Zone?) Pyrolusite on numerous broken Rk. fragments				85233	.08	.04	.09	.01	4.36	<.01	.09
		50'			CHR, malachite seen on Broken Rx. surfaces	2%	Ø	@ 47' Start of strong Albite Alt. along with k-spar and biotite Alt. some Albite has further altered to clays	47'	70%	13	85234	.12	.09	.18	.01	4.84	<.01	.15

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN SOL Cu	% A.S. Fe	% CN SOL Gold on A.S.R	Estimated Cu Grade
BRECCIA Has A MODERATE TO STRONG K-SPAR Alteration	ND	50 / 55' / 60'	Jt 60°		Lim - Ep - MnO_2	3-4%	Ø	Pods of Secondary biotite Pods of magnetite. Albite Alt. ! clays assoc. with stronger biotite zones. minor amounts of epidote											
			Vn 10°	1/4"	Mag - Lim - EP - CHR? (Bright lime green mineral)	4-5%	Ø	Trace amounts of Actinolite CHR more predominant than mal. Small drusy cavities assoc. w/ Albite	57'	78%	43	85235	.17	.14	.19	.01	4.84	<.01	.13
		60'										85236	.21	.17	.24	.02	5.63	<.01	.17
Augite Porphyry ?: 42' to 46' Dk Brown-Grey color, Typically Moderately Broken up - No visible contacts. Rk. Composition is Trachytic texture similar to that of diorite Seen in surrounding area. Augites Partially weathered to chl. No visible Cu minerals. Rk. very weakly magnetic. Rk is soft possibly clay altered ? or faulted ? Hem Seen on some of the Rk. fragments.	ND	65'	Vn 20°	1/4"	Zeolites - Albite w/ drusy cavities.	5-6%	Ø	Drop in Albite Alt. Partially silicified from 62' to 63'. 3rd II have strong biotite. silicified Rk. Very strongly magnetic				85237	.22	.20	.34	.02	4.33	<.01	.10
		70'	Jt 50°		MnO_2 - Lim	5-6%	Ø	local conc. of mag. return of Albite. TRACE cp	67'	97%	42	85238	.23	.20	.31	.02	4.44	<.01	.15
		75'	Vn 22°	1/8"	Clay - Alb - Lim - Mag - CHR - Mal	3-5%	Ø	increase in Cu oxides, numerous microfractures infilled w/ biotite & mag.				85239	.23	.20	.37	.02	3.75	<.01	.20
	ND		Vn 35°	1/16"	mag - Lim	4-5%	<.5%	Significant drop in K-spar Alt. Salt and pepper looking diorite Moderately sharp contact	77'	90%	42	85240	.29	.25	.50	.02	5.02	<.01	.25
		80'																	
INTRUSIVE \ BRECCIA 46' to 200' As Described Above	ND	85'	Fa 21°		grey clays & mustard color clays	4-5%	TR	Drop in biotite & Albite more Mal than CHR mustard clays assoc w/ fault. moderate broken Rks				85241	.42	.34	.64	.05	4.65	.01	.25
		90'	Vn 25°	< 1/2"	Calcite - Lim - CHR	3-4%	TR	Interval of non-altered diorite looks like dyke. (85 - 86.5') Return of strong K-spar Alt. SHARP increase in diss cp	87'	85%	45	85242	.16	.11	.25	.02	3.98	.01	.38
	ND	95'	Jt 19°		Cal - lim - MnO_2 - Mal - Zeol	3-4%	Ø	Abu blebs of biotite assoc. w/ calcite and albite white patches Patchy magnetite blebs Breccia is patchy. Zones of unfractured Rx w/ no biotite patches blebs. of actinolitic assoc. w/				85243	.11	.04	.17	.03	3.16	.01	.60
			Vn 30°	1/8"	Cal - Alb - lim - cp - Mal														
		100'	Vn 71°	5/8"	cal - Alb - lim - CHR	4-5%	Ø		97'	99%	69	85244	.14	.06	.26	.05	2.98	.02	.35
	ND	105'	Jt 51°		MnO_2 - Mal	6-7%	Ø	biotite unaffected (poorly fractured zones) 95'-97', 103.5-105, 110-111.5 Stronger magnetite				85245	.12	.07	.25	.03	4.28	.01	.40
			FR 52°	< 1/16"	Alb - Calc.	3-4%	Ø	Trace of cuprite more Ane gr. Actinolite	107'	100°	78	85246	.13	.03	.18	.03	2.76	.02	.23
		110'																	

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND	110' / 115' / 120'	Jt 34° / Vn 32° / Vn n°	1/8" / 1/8"	llm - MnO_2 / Act - cal / Alb - cal - biotite	3-5% / 5-6%	∅ / ∅	Grusy cavities < 2% of interval. Infilled with calcite weak clay alt. / less altered interval	117'	100%	84	85247	.11	.03	.18	.04	3.71	.02	.22
												85248	.13	.03	.22	.04	3.62	.02	.25
	ND	125' / 130'	Jt 36°		Lim - mal	6-7% / 5-6%	∅ / ∅	strong biotite over top of interval. patchy alt. @ bottom of interval. Act. found in veins / ABu Biotite - Alb - cal over interval. Drusy cavities with calcite and/or act. stronger mal ± cuprite	127'	99%	78	85249	.27	.11	.51	.12	4.46	.05	.30
												85250	.43	.20	.64	.24	4.13	.10	.60
	ND	135' / 140'	Jt 30° / Jt 36°		Lim - MnO_2 / Hem - CHR - MnO_2	5-6% / 5%	∅ / ∅	Drop in K-spar Alt. Significant amount of CHR, Biotite ? Cp over interval	137'	100%	77	85251	.27	.06	.53	.11	4.23	.06	.35
												85252	.38	.14	.70	.13	5.56	.06	.43
	ND	145' / 150'	Vn 33° / Vn 71°	< 1/8" / < 1/8"	Alb - MnO_2 - CHR / Alb - Qtz - Hem - MnO_2	4-5% / 5-6%	∅ / ∅	return of K-span Alt. at bottom of interval / strong K-spar Alt. predominately CHR along fractures.	147'	96%	50	85253	.22	.18	.59	.03	6.27	.01	.26
												85254	.29	.26	.71	.05	9.60	<.01	.25
	ND	155' / 160'	Jt 36° / Jt 46°		Lim - Hem / Lim - MnO_2 - Cup	6-7% / 7-8%	∅ / ∅	ABu Act at top of Interval. Increased biotite and mag. blebs. Drop in sulfides, (mal - CHR) / rare blebs of cp upto 1/8"	157'	98%	63	85255	.27	.23	.43	.09	11.72	.01	.38
												85256	.27	.13	.52	.11	7.62	.05	.40
	ND	165' / 170'	Jt 68° / Vn 72°	1/4"	Lim - MnO_2 - mal / ALB - zeol - mag	6-8% / 5-7%	∅ / ∅	Native Cu, Cp ± cuprite (Enrichment zone ?) stronger biotite imprint / Cup, mal, Cp. v. strong K-spar alt. Drusy cavities infilled w/ fibrous zeolites	167'	100%	81	85257	.27	.08	.65	.11	6.91	.05	.45
												85258	.28	.15	.48	.14	5.58	.04	.38

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on MSR	Estimated Cu Grade
173' to 200' Intense k-spar alt ABU microfractures, mostly infilled with biotite & some magnetite, strong chrysocolla mineralization over this range	ND	170 175 180	sH 70° Fr 48°	(Slicks @ 80° to CA) <1/16"	Hem Alb(?) - MnO_2 - chr	5-6% 6-7%	Ø Tr	strong k-spar alt starting at 173', magnetite ? biotite infilling crackle like texture more abund in higher k-spar alt. zone zone of weakly altered diorite at bottom of interval weak crackle texture minor amounts of cuprite	177	96%	63	85259 85260	.23 .40	.05 .22	.70 .46	.08 .17	6.16 8.38	.04 .07	.30 .45
VERY LITTLE VEINING localized jointing Chrysocolla stronger than Malachite mineralization ~ 80 - 20	ND	185 190	Jt 32°		Alb - MnO_2 - lim - Chr	4-5% 6-7%	Tr. Ø	chr, mal located along joints & fractures. rare drusy cavities magnetite & biotite occuring more in large pods. High chr, less cp. strong mag.	187	96%	57	85261 85262	.17 .28	.15 .24	.38 .50	.03 .05	5.15 8.84	<.01 <.01	.30 .40
	ND	195 200				4-5% 4-5%	Ø Ø	return to more fracture filling mineralization. differential k-spar alt. creating a pseudo breccia appearance. cuprite along joints localized concentrations of chrysocolla. minor malachite less mag. partially silicified	197	95%	55	85263 85264	.44 .36	.28 .31	.82 .68	.19 .13	7.06 6.47	.07 .02	.35 .30
Augite dyke 200 ft to 255' MED gray color with Abundant dark green - black mafic phenocrysts (most likely Augite)	ND	205 210	Fr 40° Vn 37° Fr 26°	< 1/16" < 1/16" <1/16"	cal - MnO_2 - Lim thin wispy Alb - Qtz viaenlets orientated in same direction Alb - Qtz ? - MnO_2	1-2% 1-2%	Ø Ø	Indistinct/shadie upper contact as result of broken up Rk Drop in mineralization	207	97%	65	85265 85266	.02 .02	.01 .01	.01 .08	.01 .01	4.06 3.87	<.01 <.01	<.05 <.05
Matrix is primarily composed of K-spar, plag. - mag: weakly disseminated composition K-SPAR 40%	ND	215 220	Vn 27°	1/8"	Alb - Lim - MnO_2 -	1-2% 1-2%	Ø Ø		217	97%	58	85267 85268	.02 .02	.01 .01	.01 .01	.01 .01	4.07 4.49	<.01 <.01	<.05 <.05
Plag 30% Augite 30% Some k-spar may be secondary minor Ep replacement of Augite ?	ND	225 230	sH 35°	(Slicks @ 40° to CA)	Hem - MnO_2	1-2% 1-2%	Ø Ø	Broken Rock has small amount of Hem along surfaces Possible small fault minor k-spar alt. Slight pinkish tinge to Rk	227	97%	56	85269 85270	.03 .02	.01 .01	.01 .01	.01 .01	4.33 3.45	<.01 <.01	<.05 <.05

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ROCK TYPES and ALTERATION	Foliation angle and intensity	Rx type / Alt.	Footage	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN SOL Cu	% A.S. Fe	% CN SOL Cu on ASR	Estimated Cu Grade
	ND		230	Jt 15°		Zeol - E_p	1%	ø	E_p seen along fractures		99%	78	85271	.02	.01	.01	.01	3.90	<.01	<.05
	ND		235	Vn 30°	3/8"	Qtz - Cal - Alb?			minor : Ep Alt.	237										
			240				1%	ø					85272	.02	.01	.01	.01	4.06	<.01	<.05
	ND		245	Fr 28°	< 1/16"	Zeol ? - MnO_2 - Lim	1%	ø			99%	77	85273	.02	.01	.01	.01	3.77	<.01	<.05
	ND		250	Jt 14°		cal			Start of broken Rock at 139'. Intensely fractured. MnO_2 -Lim - Hem - Ep - clays found on fractured Rk.	247										
							1%	ø					85274	.02	.01	.01	.01	4.28	<.01	<.05
INTRUSIVE BRECCIA As Described Above. 255' to 304' Strong k-spar Alt in 1st portion of unit - minor Amounts of Actinolite, more Chrysocolla than Malachite. rare mafic clasts true breccia mostly the result of differential alt. rare viening	ND		255	Fa ?		MnO_2 - lim - Hem (talc? alt. clays) more hematite to bottom	1%	ø	strongly broken interval. lower contact of Augite dyke non-distinguishable as a result of broken Rk		93%	25	85275	.04	.03	.03	.01	4.80	<.01	<.05
	ND		260				3%	<0.5%	moderate breakage of Rk at top of breccia. Appearance of ox along fractures actinolite along microfractures ? as	257			85276	.30	.16	.51	.08	4.69	.03	.33
	ND		265	Jt 3°		Zeol ? - chl cal - carb - Hem chr	2-3%	Tr.	blebs upto 1/8". occasional blebs of biotite generally around 1/4". stronger biotite. higher sulfide/oxide ratio		95%	43	85277	.44	.02	.76	.03	4.73	.01	.30
	ND		270	SH 36° Fa?		Ep - Chr - mal ? Seen on broken Rk	3-4%	ø	Cuprite seen on broken surfaces. much more patchy k-spar Alt. stronger oxides at top of interval. Ep ? Alt	267			85278	.48	.19	.60	.13	5.91	.05	.22
	ND		275	Jt 54°		—	6-7%	ø	solid Rock interval very competent. original diorite rock texture seen in unaltered patches. minor chl. Alt in microfractures		98%	76	85279	.27	.01	.53	.02	4.99	.01	.38
	ND		280	Fr 33°	< 1/16"	Hem	4-5%	<.05	more fracturing. Lim - Hem seen on free surfaces. still patchy alt. except	277			85280	.28	.02	.61	.03	6.13	.02	.27
	ND		285	Jt 42°		Hem (muds) stuck to surface	5-6%	ø	stronger k-spar background parallel zones of broken Rk Alt filling in fractures. stronger biotite surfaces more oxides than		97%	45	85281	.24	.09	.51	.08	5.22	.04	.23
			290	Jt 19°		Lim - MnO_2 - E_p	4%	ø	crackle texture. seen around unaltered. Strong Ecotile. minor Albite. some clay Alt?	287			85282	.35	.22	.64	.09	5.86	.05	.20

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	ND	290 / 295 / 300	Jt 34° / Jt 43°		Alb - MnO_2 - Lim - Ep-Chl. / MnO_2	2-3%	Ø	Stronger chr. seen in this interval. start of strong broken Rk. strong biotite occuring in patches. Strong mag.	297	94%	28	85283	.26	.21	.57	.02	5.80	<.01	.33
						5-6%	Ø					85284	.19	.15	.24	.01	5.50	<.01	.30
Augite Dyke 304' to 310' As Described above phenos alt to Epidote w/ some altering to Hematite	ND	305 / 310	Fa ?		VERY BROKEN up ROCK ZONE Possible Fault some slicks seen on Rk. Fragments some gypsum + chlorite	4-5%	Tr	Poor recovery w/ Abu Rock Fragments.	307	78°	10	85285	.16	.14	.26	.01	4.43	<.01	.16
						1%	Ø	Hem and slicks seen on a majority of broken Rock Fragments. As well				85286	.03	.02	.03	<.01	4.57	<.01	<.05
Dyke Rock also broken Intrusive Breccia 310' to 388	ND	315 / 320	Fr (SH?) 59°	3 1/16	Hem	2-3%	Ø	light yellow green mineral (possibly Chl) wavy fol. Epi powdered on broken Rk	317	55%	32	85287	.27	.23	.34	.01	5.62	.01	.18
						2-3%	Ø	much more competent Rk. minor chr. partially silicified zone at top 1 foot of interval biotite > Act presetent. Tr. Cup				85288	.20	.17	.27	.01	5.02	<.01	.25
	ND	325 / 330	Jt 50° / Fr 7°	< 1/16"	Act. / carb - cal - MnO_2 - lim - Hem (+ zeol ?)	3-5%	Ø	Clast like pods of Actinolite upto 3". Strong Actinolite over entire interval. more mag. less mag. less chr	327	95%	47	85289	.15	.11	.23	.01	6.00	<.01	.21
						2-3%	Ø					85290	.14	.11	.26	.01	4.68	<.01	.14
	ND	335 / 340	Jt 20° / Fa ?		MnO_2 - lim / Broken Rk. Abu chr on broken	3-4%	Ø	Drusy cavities at top of interval only. chr visible on broken Rk fragments	337	85%	22	85291	.15	.11	.16	.01	2.59	<.01	.19
						2-3%	Ø	Drop in mineralization rare chr. no visible cp				85292	.19	.15	.23	.01	4.16	<.01	.11
	ND	345 / 350	Jt 22° / Fr 60° / SH 53°	< 1/16" (slicks @ 53° to CA)	Lim - MnO_2 - musc. / cal / Hem	6-8%	Ø	Weak - k-spar alt. Strong biotite. silicification return of cp. rare oxides minor cuprite. strong cp to bottom interval. Stronger mag.	347	94	65	85293	.37	.02	.56	.03	4.72	.02	.45
						3-4%	Ø	Back to k-spar alt @ 346' drop in Cp, mag				85294	.16	.02	.25	.02	3.45	.01	.27

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	ND	350 / 355 / 360	Jt 39° / Jt 22°		Lim - MnO_2 / Hem - Lim - MnO_2	3-4% / 2%	ø / ø	Spotty alt. gives pseudo breccia appearance. minor amounts of silicification / Actinolite in microfractures blebs of biotite. less mafics	357	100%	70	85295	.13	.02	.24	.02	3.41	.02	.19
												85296	.18	.14	.23	.01	4.41	.01	.13
	ND	365 / 370	sH 42° / Jt 32°		Hem slicks @ 50° to CA / Lim	2-3% / 6%	ø / ø	364' to 367' Silicified Rk Vienlets of Cp. minor amounts of chr / more fine grained mag cp along smooth joints	367	99%	77	85297	.14	.10	.20	.02	3.65	.01	.20
												85298	.14	.01	.14	.01	4.03	.01	.22
	ND	375 / 380	Vn 2° / Jt 31° / Jt 30°	3/8"	Zeol - clay - Cal / lim - Alb - gyp - bio / Lim - Ep - MnO_2 - chr	4-5% / 3-4%	ø / ø	microfractures infilled w/ chl - Act - Biotite. - Cp. / Drop in biotite minor amounts of chr	377	99%	78	85299	.17	.01	.27	.02	4.10	.01	.34
												85300	.19	.02	.27	.01	4.16	.01	.35
SYENODIORITE ? (Intrusion Breccia) 388' to 416' Still a diioritic type Rock. However no patchy alteration to produce	ND	385 / 390	Vn 24° / Vn 37° / Vn 34°	1/4" / 3/8" / < 3/4"	Qtz - Cal - Hem / Zeol - Cal / Cp - mag	4-5% / 5%	ø / ø	Slightly more mag. in silicified zones. less cp traces of CHR. / Patches containing both Mag & Act. fairly large cp vein	387	98%	78	85301	.17	.04	.22	.01	3.63	.01	.18
												85302	.24	.01	.54	.01	4.43	.01	.40
a pseudo like breccia. Instead larger zones of different types of alteration or lack of alteration Color ranges from grey (unaltered or silicifred zones) to Buff Red (various levels of k-spar ALT.	ND	395 / 400	Jt 24° / Vn 54° / Vn 38°	3/8" / 1/8"	Cal - Ep / Act - Cal / Qtz - Alb - Cal	10% / 3-4%	Tr. / ø	(388 - 395') silicifred zone. weak k-spar ALT (occ. larger blebs of cp) strong mag. / Return of Actinolit & stronger k-spar ALT. K-spar ALT Strongest when in close proximity to pods of mag	397	99%	80	85303	.11	.01	.20	.02	3.51	.01	.75
												85304	.10	.01	.19	.03	2.83	.01	.28
	ND	405 / 410	sH 28° / Jt 55° / Jt 29°		Qtz - Hem - MnO_2 (slicks @ 35° to CA) / Cal / strong Hem, MnO_2	4% / 7-8%	ø / ø	Actinolite, biotite, chlorite strong k-spar, Act Zones of various Alteration some chr. visible in rare drusy cavities. / Broken Rk. zones w/ high	407	99%	74	85305	.13	.05	.19	.03	4.00	.02	.30
												85306	.08	.03	.11	.01	4.46	.01	.24

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Intrusive Breccia 415' to 612 As described Above. periodic zones of differential alteration (K-spar Silicification, some albite)	ND	410 415 420	Vn 24° Vn 35°	3/8" 3/8"	} mag. infill Brecciation clasts upto 1/2" Zeol-Cal-MnO_2-Chl Alb-cal.	6-7% 6-8%	Ø Ø		minor microfaulting seen in offset vienlets. Tr. Cup. TRUE Breccia from 413' to 413.5' mag. matrix. w/ K-spar alt. diorite angular clasts. Silicified zone 417' to 418' more vienletting. pods of high mag.	417	99%	81	85307 85308	.12 .14	.02 .02	.12 .15	.01 .02	3.47 4.10	<.01 .01	.26 .35
	ND	425 430	Jt 19° Vn 24°		Lim-MnO_2-bio-Zeol-Cp Qtz-Cal-Zeol-bio	4-5% 5-6%	Ø Ø		Pods of biotite, moderately Strong mag. Very finely dis Cp Pods of biotite to 3/4". chl. alt mafics	427	99%	82	85309 85310	.23 .24	.01 .01	.18 .27	.02 .02	4.62 5.47	.01 .01	.44 .35
	ND	435 440	Fr 34° Jt 30°		Alb-MnO_2	4-5% 4-5%	Ø Ø		Chl. visible on joint surfaces. Patchy silicified Zones. bright kme green Cu oxide higher oxide – Sulfide Ratio Drop in mafic content	437	98%	67	85311 85312	.07 .13	.03 .10	.06 .14	.01 .01	4.80 4.84	<.01 <.01	.35 .20
	ND	445 450	Jt 41° Fr 38° Vn 18°	1/16" 1/8"	Lim-Hem-MnO_2-chl Alb-Qtz-Lim(on surface) Alb-Cal-MnO_2-Ep	7-8% 3-4%	Ø Ø		442' to 444.5' crackle texture with fractures infilled by mag-Act-biotite. chl in microfractures. common blebs of cp assoc. with microfractures. Drop in mag	447	98%	63	85313 85314	.16 .10	.07 .03	.17 .15	.01 .03	5.79 4.61	<.01 .01	.22 .27
	ND	455 460	Vn 35° Jt 48°	1/8"	Act-cal cal	4-5% 4%	Ø Ø		Slight increase in mafics blobs of py along microfractures. small patches of chl. rare diss	457	98%	59	85315 85316	.15 .13	.01 <.01	.17 .15	.01 <.01	2.91 4.12	.01 <.01	.29 .17
	ND	465 470	Jt 60°		chl.	4-5% 5%	Tr Ø		Start of broken Rk. interval lim common on rock fragments rare small 1/8" blebs of cp Hem-chl (minor lim) on broken rock fragments	467	93%	30	85317 85318	.07 .12	.01 .01	.16 .44	.01 .01	4.79 4.39	.01 .01	.23 .20

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone 470'; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on A.S.R	Estimated Cu Grade
469' to 475' Very Dark grey fine grained Rk. Hints of a Red hue. matrix completely altered by K-spar Alt ! silicification Producing a hard fine grained glassy rock. moderately well mineralized. gradational contacts. original Rock may have been the syenodiorite for intrusive breccia ?	ND	470	Fa		chl & clay gouge Dk. green gouge material	1%	Tr	Very fine grained diss cp (py ?). very weakly magnetic possible fault zone	477	92%	37	85319	.29	.01	.10	.01	3.64	.01	.31
		475						moderate breakage over this interval. return back to Intrusive breccia				85320	.20	<.01	.29	.01	3.93	<.01	.18
		480	Jt 15°		cal - chl - Hem	4%	ø												
	ND	485	Jt 66°		Hem	3-4%	ø	minor Bornite ? Traces of cuprite cp diss along joints	487	96%	50	85321	.20	.01	.31	.01	3.78	.01	.23
			SH 44°		Hem - chl - cal (slicks @ 80° to CA)	4%	ø	spotty albite alt (white patches) rare blebs of cp minor cpy				85322	.20	.01	.26	.02	3.56	.01	.25
	ND	495	Fr. 55° Fa ?	<1/16"	Hem - chl - cal	2-3%	ø	Broken up. minor gouge Possible fault weaker K-spar Alt minor amount of gouge Assoc. with shear Increase in cp disseminations	497	97%	57	85323	.18	.01	.23	.01	4.33	.01	.15
		500	SH 30°		chl - hem - cal (slicks @ ~80° to CA)	3-4%	ø					85324	.30	.01	.35	.03	5.00	.01	.67
	ND	505	SH 33°		chl - Hem - cal - biotite (slicks @ ~80 to CA) crackled texture to the Rock	5%	Tr	Drop in cp weak K-spar ALT minor Amounts of clay alteration some Actinolite mag - biotite - Albite - cp infilling the microfractures	507	92%	60	85325	.20	.01	.24	.01	6.07	.01	.23
		510				6%	ø					85326	.12	.01	.17	.01	6.57	.01	.14
	ND	515				3-4%	ø	Albite Alt Infiltration Increase in K-spar Alt developing a stronger Albite overprint giving a clay alteration appearance Slightly stronger K-spar Alt less Albite. cp stays away from alb Alt zones	517	93%	57	85327	.13	.01	.20	.02	4.82	.01	.10
		520	SH 30°		chl - Alb - hem (Slicks @ 85° to CA)	6%	ø					85328	.18	.01	.28	.03	5.33	.01	.35
	ND	525	SH 31° Fa ?		chl - hem (slicks @ 75° to CA) Stringers of albite microfractures	5-6%	ø	Pockets of upto 2" of Alb - zeolite deposition. Broken gouge material pocket of solid biotite at 524' (~3-4" thick ?) poor core recovery small little zeolite pocket	527	94%	61	85329	.11	.01	.10	<.01	3.75	<.01	.20
		530				3-4%	ø					85330	.08	.01	.12	.01	2.88	<.01	.23

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on A.S.	Estimated Cu Grade
	ND	530	SH 28°		Hem - chl (slicks @ 67° to CA)	3-4%	ø		top of interval affected with stronger K-spar. minor amounts of actinolite. minor Ep alt				85331	.07	<.01	.13	<.01	5.18	<.01	.24
		535							strongly broken up w/ chl, Hem on broken surfaces.	537	93%	29								
			SH 14°		clay - Ep - chl - Hem (slicks @ 85° to CA)	5%	ø		well defined joint set @ 37°				85332	.11	.01	.13	.02	4.40	.01	.17
		540	Jt 37°		Hem - chl.															
	ND	545	SH 30°		Hem - chl (slicks at 80° to CA)	4-5%	ø		Pods & veinlets of Alb & zeolites. weak Ep Alt less cp		97%	57	85333	.07	.01	.08	.02	3.54	.01	.12
			SH 19°		Hem - Alb - chl (slicks at 85° to CA)	2-3%	ø		Zone of very weak alt Rk. looks closer to diorite locations where plag is alt to bright white Albite	547			85334	.03	<.01	.04	.01	3.10	<.01	.07
		550																		
	ND	555	SH 2°		Hem - Alb - chl (slicks @ 75° to CA)	2-3%	ø		Patchy zones of K-spar with rare silicified zones looks like pseudo breccia again		96%	62	85335	.04	.01	.06	.01	3.33	.01	.05
			SH 11°		chl - Hem (slicks @ 70° to CA)	3%	ø		Patch Alt. some K-spar & some silicified zones. (some Actinolite) slightly more diss cp in K-spar alt zones	557			85336	.07	.01	.11	.02	3.90	.01	.12
		560	SH 9°		Hem - Alb (slicks at 90° to CA)															
	ND	565	Vn 32°	1/8"	Alb	1-2%	ø		small micro faults offsetting the vens & veinlets. numerous Hem shear zones 559' - 568 - silicified zone no K-spar alt, except along rare fractures. Some zeolites. Slightly silicified.		99%	73	85337	.06	.01	.06	.02	4.15	.01	.05
			Jt 62°		Hem					567			85338	.04	<.01	.09	.01	4.58	<.01	.05
		570			crackle texture w/ microfissures infilled with Hematite	1%	ø													
	ND	575	Jt 60°		true small scale breccia Hem	3-4%	ø		Return of K-spar Alt. Hem infilling numerous micro fractures. patchy zeolites rare Ep alt blebs of mag		99%	65	85339	.13	<.01	.19	<.01	3.29	<.01	.13
			Fa 19°		micro fractures infilled with mag & cp	4%	ø		Hematite fault gouge. soft clays? more diss cp below fault.	577			85340	.24	.01	.27	.01	4.88	<.01	.19
		580																		
	ND	585				<1%	ø		582' - 585'. Rock looks like K-spar altered syenodiorite. poor mineralization		98%	57	85341	.12	<.01	.13	<.01	1.67	<.01	.09
			Vn 60°		Alb.	1-2%	Tr		five inch zone of very strong small Alb - Qtz Pockets. strong K-spar alt to bottom of interval some Cp	587			85342	.12	<.01	.16	<.01	3.09	<.01	.14
		590																		

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GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	% Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on ASR	Estimated Cu Grade
SYENODIORITE	ND			590		Vn 1°	1/8"	Alb-cal-chl-Ep (slicks seen on surface)	3-4%	Tr	Patchy strong k-spar Alt more cp pods of biotite, minor Anh of Act		98%	33	85343	.20	.01	.22	.01	3.45	<.01	.31
				595					2-3%	ø	very broken up interval w/ chl-Hem & slicks on the broken fragments	597			85344	.17	.01	.23	.02	3.54	.01	.24
606-607.5, 612-617 (E.O.H) Non-Breccia Appearance to SYENODIORITE. moderate to strong, uniform K-SPAR ALT. WEAKLY Diss cp in "Syenodioritic" units	ND			605					3%	ø	k-spar alt Syenodiorite to the bottom of the interval		95%	42	85345	.33	.01	.52	.01	3.76	.01	.25
				610					4-5%	ø	Highly broken Rk Very little structure	607			85346	.08	.01	.13	.02	1.87	.01	.13
	ND			615		Jt 67°		—	2-3%	ø	WEAK Diss cp in SYENODIORITE.		97%	70	85347	.10	.01	.14	.01	1.98	.01	.12
												617			↓							↓
											617 E.O.H											
											Ron Gladen											

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GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-104 Page No. 1 of 10

LOCATION WEST ZONE | BEARING — | LATITUDE (N) 3266.91 | CORE SIZE NQ | LOGGED BY M. RYDMAN

DATE COLLARED JUNE 9, 1994 | LENGTH 547' | LONGITUDE (E) 1699.15 | SCALE OF LOG 1" = 10' | DATE JULY 24, 1994

DATE COMPLETED JUNE 12, 1994 | DIP -90.0 | ELEVATION 1129.26 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- INTRUSION BRECCIA
- SYENODIORITE
- MAFIC DYKE
- K-FELDSPAR ALTERATION
- PATCHY K-FELD ALT'N

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone 214'; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alm., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	% Au	% CN sol Cu	% As Fe	% CN sol Cu on ASR	Estimated Cu Grade
INTRUSION BRECCIA (10'–547' E.O.H.) – variable k-feld alt'n – originally syenodiorite – intervals of MAFIC DYKES	ND	20	?	10'	brx-MnO_2-lim-(chr)	1.0	0	casing to 10'	17	65	7	85713	.42	.34	.22	.04	6.32	.01	.12
					wk diss cp	1.0	0					85714	.23	.16	.10	.03	6.20	.01	.15
270½'–288'; 290½'–292'; 476'–478' – possible SYENODIORITE (167'–175')	ND	30	?	5'	brx-lim-MnO_2-(chr)-(mal)	1.0	0		27	80	13	85715	.37	.34	.21	.07	7.20	<.01	.18
POSSIBLE FAULT ZONE (10'–35') – broken rock and occurance of gouge			?	3'	} biotite/mag+cal+mal infilling brx-MnO_2-lim-gg-(mal)	1.5	0	ep alt'n occuring w/ k-feld alt'n giving patchy orange/green appearance				85716	.55	.53	.37	.09	4.88	<.01	.18
	ND	40	?	1'	brx-gg-MnO_2-(lim)	1.0	0		37	85	40	85717	.28	.25	.15	.04	4.21	.01	.20
			?	6"	brx-gg-MnO_2														
					mod diss cp mal on fract surfaces	1.0	0	ep alt'n w/ k-feld alt'n				85718	.21	.11	.08	.03	4.27	.01	.25
	ND	50	30	⅛"	qtz-lim-MnO_2 mal on fract surfaces	2.5	0	ep alt'n w/k-feld alt'n	47	95	20	85719	.14	.07	.06	.02	5.62	<.01	.18
			?	1'	diss cp mal on fract surfaces brx-MnO_2-chr	1.5	0					85720	.23	.14	.17	.03	4.52	.01	.22

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) **DIAMOND DRILL LOG** Hole No. 94-104 Page 2 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% As Fe	% CN sol Cu on As8	Estimated Cu Grade
	ND	60	? 20 ?	1' ½" 1'	brx-competent gg-(MnO_2) diss cp cal-qtz brx-MnO_2-mal diss cp	1.5 1.0	0 0	lim-MnO_2-mal on fract surf	57	90	17	85721 85722	.32 .22	.22 .14	.19 .07	.04 .04	5.15 4.34	.01 .01	.25 .28
	ND	70	? 80	1' 1/10"	brx-MnO_2 diss cp wk diss cp chr	1.0 1.0	0 0		67	95	23	85723 85724	.20 .21	.14 .13	.08 .06	.03 .03	4.45 4.64	.01 .01	.22 .20
FAULT	ND	80	? ?	2' 5'	brx-MnO_2-(lim) brx-gg-MnO_2-(chr)	0.5 0.5	0 0		77	85	10	85725 85726	.23 .23	.19 .19	.09 .10	.03 .02	4.11 4.06	<.01 <.01	.12 .15
	ND	90			MnO_2-chr-(lim) on fracture surfaces	1.0 1.0	0 0		87	50	23	85727 85728	.27 .24	.20 .20	.08 .10	.02 .02	3.62 3.05	<.01 <.01	.15 .12
FAULT	ND	100	?	8'	chr on fract surfaces brx-gg-hem-chr	1.0 1.0	0 0		97	85	7	85729 85730	.33 .19	.27 .13	.14 .07	.02 .02	2.41 3.56	<.01 .01	.18 .15
	ND	110	80	7"	MnO_2-lim-chr on fract MnO_2-lim-mal on fract barren dyke (Trachyte?)	1.0 1.0	0 0		107	90	27	85731 85732	.29 .30	.24 .18	.12 .13	.03 .10	3.68 4.77	<.01 .01	.15 .12

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% AsFe	% CN sol Cu on ASR	Estimated Cu Grade
	ND	120			wk diss cp(py) str mal on fract surf	1.5	tr	lim-MnO_2 on all fracture surfaces	117	98	40	85733	.42	.22	.09	.13	6.14	.01	.20
					diss cp(py) str mal+chr on fract	1.0	tr					85734	.57	.44	.08	.24	5.55	.03	.25
	ND	130	20	1/8"	diss cp cup-native Cu str diss cp+veinlets cp diss cp+(cup) alb-(cal)	4.0	tr	lim-MnO_2 on fract surf secondary blebs of bio/mag infilling breccia	127	98	53	85735	.67	.08	.25	.18	4.59	.10	.52
						3.0	0	lim-MnO_2-mal-chr on fract				85736	.56	.36	.18	.19	5.30	.05	.50
	ND	140	30	1/4"	calcite diss cp secondary blebs of bio/mag diss cp	2.5	0	wk k-feld alt'n throughout rock	137	95	63	85737	.29	.09	.10	.09	3.82	.03	.55
						4.0	0					85738	.53	.09	.13	.10	5.48	.05	.52
	ND	150	10-30	1/2"	diss cp large secondary blebs of mag-cal-cp cal-lim-MnO_2-mal diss cp str mal ((cup)) on fract	5.0	0	lim-MnO_2-(mal) on fract	147	95	47	85739	.47	.07	.17	.10	7.01	.05	.65
						2.5	0					85740	.44	.17	.14	.17	6.60	.07	.48
	ND	160			diss cp MnO_2-mal-(lim) on fract str mal-(cup) wk diss cp	2.5	0		157	95	60	85741	.29	.11	.05	.11	4.06	.03	.32
						2.0	0					85742	.38	.14	.06	.13	4.23	.06	.30
SYENODIORITE (162'-175')	NP	170	30 30-60	1/4" hrln	cal-mal-lim-(MnO_2) diss cp lim-MnO_2-mal on fract diss cp lim-MnO_2-chr on fract cal & mag veinlets	2.0	0		167	98	63	85743	.14	.04	.07	.03	5.42	.02	.20
						1.5	0					85744	.33	.21	.23	.10	3.85	.03	.15

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% As Fe	% CN sol Cu on ASR	Estimated Cu Grade
-no secondary biotite or mag -original syenodiorite texture -intense K-feld alteration -possibly, still INTRUSION BRECCIA	ND		0-30	1/2"	cal-mag-(mal on fract)	1.0	0			95		85745	.55	.20	.49	.23	3.26	.09	.10
			30	1/4"	qtz-lim-mal				177		53	85746	.57	.19	.27	.19	5.05	.06	.25
		180			diss cp	3.0	0	mag veinlets											
	ND		40	1/4"	mag-(cal)	4.0	0			98		85747	.63	.25	.35	.21	4.62	.05	.28
			30×2	1/10"×2	hem secondary mag infilling														
					cup-(mal) on fractures				187		60	85748	.58	.08	.31	.12	6.11	.06	.38
					large mag blebs														
		190	20×3	1/8+1/4"+1/8"	cal-(qtz)-((cp))	6.0	0												
					diss cp														
	ND		10	1/8"	qtz-(cal)	3.5	tr			98		85749	.27	.01	.16	.02	3.94	.01	.25
			20-80	<1/10"	diss cp(py) cal & mag stringers														
			40	1/2"	calcite				197		73	85750	.30	.01	.13	.03	4.76	.02	.28
		200			diss cp	2.0	0												
	ND		20	1/10"	diss cp	3.0	0			98		85751	.19	.01	.08	.03	5.48	.01	.23
					calcite														
									207		67	85752	.23	.03	.12	.07	4.99	.04	.25
		210			diss cp	2.0	0												
END OF LIMONITE ZONE	ND		30	1/8"	large blebs of mag(cal)	4.0	0	lim-MnO_2 on fracture surf		98		85753	.59	.02	.21	.05	5.76	.03	.28
					calcite diss cp														
									217		53	85754	.40	.03	.18	.08	4.92	.04	.35
		220			str diss cp + blebs cp	2.5	0												
	ND		30	1/2"	diss cp mag diss cp	3.0	0			98		85755	.55	.04	.22	.10	4.51	.05	.30
			30	1/8"	qtz-(cal) diss + blebs cp	4.0	0	many mag stringers	227		73	85756	1.03	.08	.33	.19	6.92	.11	.45
		230	40	1/2"	mag-(cal)-cp														

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol Cu	% AsFe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND	240			diss cp + along fractures wk ep alt'n secondary mag infilling diss cp	2.5 4.0	0 0		237	98	80	85757 85758	.33 .33	.02 .03	.10 .22	.06 .07	4.61 4.85	.03 .04	.35 .30
	ND	250	30×4	1/16"×2, hrln×2	mag-qtz-(cal) diss cp blebs of cp secondary mag infilling diss cp	2.5 2.0	0 0		247	98	70	85759 85760	.77 .63	.04 .03	.34 .21	.09 .07	6.13 3.68	.05 .04	.45 .28
	ND	260	40 20×2 30	½" ¼"×2 ¼"	alb-cal-(mag) diss cp cal-mag mag blebs w/(cp) diss cp cal-(hem)	1.5 1.5	0 0		257	98	57	85761 85762	.37 .33	.03 .03	.24 .21	.07 .07	4.00 3.44	.04 .04	.32 .35
	ND	270			str diss cp secondary mag infilling diss cp	2.0 3.0	0 0		267	98	80	85763 85764	.58 .48	.03 .05	.46 .02	.07 .11	5.34 4.59	.04 .06	.58 .50
MAFIC DYKE (270½'–288') - no Cu mineralization - very fine grained w/ unknown equigranular (1/16") phenocrysts:	ND	280	70 70	1" 1/16"	vuggy vein of cal/ep hem	0.5 0.5	0 0		277	98	63	85765 85766	.05 .02	.01 .01	.04 .02	.03 .01	5.09 5.13	.01 .01	.05 .05
grey in color, blocky habit, possibly a pyroxene - amygdules of calcite and epidote - calcite veinlets - contacts: top 40°, bottom 30° - weakly magnetic	ND	298	? ?	3' 1'	brx-lim brx-lim str diss cp + mag infill	0.5 1.0	0 0	lim occurences are local due to possible fault	287	95	27	85767 85768	.03 .69	.01 .09	.53 .75	.01 .18	4.19 5.74	.01 .10	.05 .35

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG: Rx type / Alt'n / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN Sol Cu	% AsFe	% CN Sol Cu on ASR	Estimated Cu Grade
MAFIC DYKE (290½'-292') see above																			
	ND	300	30	½"	cal str diss cp+veinlets cp tarnished cp on fractures	1.5	0	the tarnish on cp is an iridescent purple/blue similar to bornite	297	95	37	85769	1.47	.19	2.01	.39	5.40	.22	.85
			?	1'	brx-hem (possibly bn)														
					mod diss cp	2.0	0					85770	.97	.09	.80	.22	5.11	.12	.45
	ND	310			diss cp	1.5	0		307	98	70	85771	.86	.05	.55	.15	5.58	.06	.38
					blebs of actinolite diss cp (tarnished cp)															
					alb/k-feld alt'n	1.5	0					85772	.66	.08	.47	.17	6.04	.09	.35
	ND	320	30	½"	blebs of secondary mag diss + blebs cp cal-(lim)	2.0	0	} alb/k-feld alt'n lim on fractures	317	95	50	85773	.30	.01	.16	.02	4.98	.01	.30
					diss cp	2.5	0					85774	.54	.01	.25	.02	7.28	.01	.28
					diss cp w/ secondary mag														
	ND	330	?	8'	mag+calt act infilling brx-lim-hem-(mal)-(chr)	2.0	0		327	85	7	85775	.47	.09	.28	.11	6.45	.05	.20
					str mal-cup on fract w/ lim-MnO_2														
				1'	brx-lim-(mal)	1.0	0					85776	.65	.43	.22	.20	6.79	.06	.22
	ND	340	30	1'	brx-lim-(mal) wk diss cp cal-mag-(lim)-(hem)-(cp)	1.5	0		337	90	27	85777	.46	.09	.31	.16	4.60	.08	.22
			30	½"	mag-act-(cal) k-feld rim diss cp blebs + veinlets mag	4.0	0					85778	.84	.10	.52	.29	6.91	.15	.24
	ND	350	0-20	½"	blebs of mag+act diss cp (some tarnished) diss cp + blebs cp-bn (tarnished cp?) mag	2.0	0	wk albite alt'n	347	95	57	85779	1.71	.35	1.37	.74	6.49	.41	.22
						4.0	0					85780	2.58	.55	1.16	.98	7.26	.70	.35

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% AsFe	% CN sol Cu on ASR	Estimated Cu Grade
	ND	360	? / 20	1' / ⅛"	wk diss cp brx mag diss cp (some tarnished)	1.0 1.0	0 0	} str alb alt'n original texture of diorite is more evident (357-363)	357	95	47	85781	2.04	.33	.91	.82	5.71	.52	.22
	ND	370	20 ? 30x3	½" 2' ¼"x3	tarnished diss cp cal diss cp brx-gg mag-act-cal diss cp (tarnished)	1.0 2.0	0 0		367	90	47	85782 85783 85784	1.59 1.68 2.40	.30 .23 .40	1.13 .50 .84	.78 .75 .91	4.97 4.03 6.40	.55 .58 .64	.25 .28 .25
	ND	380	30-80	3"	diss cp blebs of mag/act/cal diss cp large blebs of mag-cp-cal mafic dyke	2.0 3.0	0 0	alb alt'n alb alt'n	377	98	70	85785 85786	2.31 1.62	.48 .29	.75 .70	.87 .65	6.90 5.97	.57 .35	.35 .48
	ND	390			diss cp (py) wk diss cp	2.0 1.5	tr 0		387	95	40	85787 85788	1.59 .43	.26 .04	.42 .15	.57 .10	7.14 4.81	.30 .05	.32 .28
	ND	400	30x3	1/10"x2+⅛"	wk diss cp mag-act-cal-(cp) veinlets+blebs cp assoc w/mag+cal infilling	1.0 1.5	0 0		397	98	47	85789 85790	.48 2.03	.04 .24	.16 .99	.09 .62	4.22 5.09	.05 .36	.26 .35
	ND	410	30 20 30 20	¼" ⅛" ⅛" ⅛"	cal-mag diss cp (tarnished) cal-mag mag-cal-cp cal diss cp	2.0 1.5	0 0	alb alt'n	407	98	63	85791 85792	2.88 1.20	.20 .06	2.05 .67	.83 .17	4.46 5.50	1.09 .08	.38 .32

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Ex type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.
	ND	420	80	1/8"	large bleb of act+mag diss cp	2.0	0	patchy albite alt'n	417	98	63
		430	20	1/2"	blebs of cp diss cp cal	2.0	0	str albite alt'n	427	98	67
	ND				str Native Cu on fract mag wk diss cp	1.5	0				
					large blebs mag-cal-cp diss cp	2.5	0	patches of alb alt'n			
	ND	440	80	1/2"	blebs of cp large blebs of alb-cal-(mag)-cp(tarnished) alb-(mag)-cp	3.0	0	mod albite alt'n	437	98	73
					large bleb cal-mag-cp	2.5	0				
	ND	450	? ? ?	5' 1' 1'	brx-gg brx brx-(hem)	1.0	0		447	90	13
						1.0	0				
	ND	460	30x3	1/16"x3	cal-mag	2.0	0		457	95	57
					wk diss cp	1.5	0				
	ND	470	0-10	1/16"	wk diss cp	1.5	0		467	98	67
					bleb of alb-cal-(mag)-cp diss cp cal	1.0	0				

ASSAY RESULTS

Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% AsFe	% CN sol Cu on ASR	Estimated Cu Grade
85793	.98	.10	.52	.28	5.89	.14	.35
85794	.75	.10	.31	.28	7.39	.14	.32
85795	.52	.05	.21	.13	4.81	.06	.30
85796	1.75	.26	.54	.57	7.35	.30	.52
85797	1.63	.18	.69	.43	8.16	.22	.45
85798	1.22	.23	.53	.56	6.39	.27	.38
85799	0.31	.05	.14	.14	5.13	.07	.20
85800	1.09	.17	.35	.52	6.64	.24	.18
85801	1.35	.25	.40	.63	7.24	.31	.15
85802	1.24	.20	.85	.65	4.73	.34	.15
85803	.66	.09	.25	.27	4.88	.12	.18
85804	.70	.08	.22	.22	7.32	.10	.18

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	Au	% CN sol Cu	% AsFe	% CN sol Cu on ASR	Estimated Cu Grade
MAFIC DYKE 40° contacts	ND	470	30	½"	blebs + veinlets cp cal	2.0	0		477	98	47	85805	1.63	.16	.58	.43	7.64	.21	.32
			0-10	¼"	cal-mag														
		480			diss cp	1.0	0					85806	.73	.07	.38	.20	6.04	.09	.15
	ND		40×2	⅛"-¼"	calcite stringers of cal + mag + blebs cp	1.0	0	albite alt'n	487	98	60	85807	.96	.05	.32	.13	5.85	.06	.20
		490			str diss cp assoc w/ secondary mag	2.0	0	albite alt'n				85808	.64	.08	.28	.26	4.95	.11	.35
	ND				str ↓ diss cp mod	2.0	0	albite alt'n w/ patchy k-feld alt'n	497	98	70	85809	.73	.08	.24	.25	6.22	.12	.32
		500	80	9"	diss cp MAFIC DYKE	1.0	0					85810	.72	.06	.17	.17	5.68	.08	.28
	ND		80	8"	MAFIC DYKE														
			30-70	9"	calcite stringers	0.5	0		507	80	27	85811	.11	.01	.04	.02	4.98	.01	.15
			?	1'	MAFIC DYKE diss cp w/ blebs of cal														
		510		1'	brx-hem-(diss cp) MAFIC DYKE							85812	1.84	.12	.53	.36	6.45	.17	.28
					blebs + diss cp	1.0	0												
	ND				str diss cp + blebs	1.5	0		517	95	40	85813	1.73	.14	.51	.42	5.53	.20	.30
			30×2	¼"×2	diss cp cal-(mag)														
		520			blebs of cp (some tarnished)	1.5	0					85814	1.90	.32	.60	.74	5.27	.45	.28
	ND		?	2'	diss cp brx-hem	2.5	0		527	95	33	85815	1.61	.27	.79	.63	4.79	.38	.25
			80	¼"	cal-mag														
		530			blebs + diss cp	2.0	0	wk patchy albite alt'n				85816	1.00	.05	.22	.12	6.04	.06	.38

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-104 Page 10 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	GRAPHIC LOG: Alt.	GRAPHIC LOG: Footage	GRAPHIC LOG: Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	opb Au	% CN sol Cu	% AsFe	% CN sol Cu on ASR	Estimated Cu Grade
	ND			540		40	1/8"	diss cp blebs of cp assoc w/ alb-cal-(mag) infilling blebs of cp alb-(mag)-(cal) bleb of alb-cal-cp	1.5	0	Leach Cap -	537	98	60	85817	1.04	.09	.39	.22	5.70	.10	.45
									1.5	0	Leachable Ox.				85818	1.24	.07	.29	.18	6.57	.09	.58
	ND			547				vuggy pods of calcite w/ large blebs of cp str diss cp	2.0	0	Lim. Zone	547	98	—	85818 ↓	1.09	.10	.43	.26	5.90	.12	.68
									1.0	0	Supergene											
											E.O.H. 547'											
											Murray Rydman											

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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LOCATION WEST ZONE | BEARING — | LATITUDE (N) 3295.93 | CORE SIZE NQ | LOGGED BY M. RYDMAN
DATE COLLARED June 12, 1994 | LENGTH 647' | LONGITUDE (E) 1805.85 | SCALE OF LOG 1" = 10' | DATE JULY 28, 1994
DATE COMPLETED June 15, 1994 | DIP -90.0 | ELEVATION 1140.12 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

INTRUSION BRECCIA; TRACHYTE (FELSIC) DYKE; EPIDOTE ALTERATION
SYENODIORITE; K-FELDSPAR ALTERATION
AUGITE PORPHYRY DYKE; PATCHY K-FELD ALT'N

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

BOTTOM DEPTHS: Leach Cap; Leachable Ox.; Lim. Zone 490'; Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt'n, Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% As Fe	% CN Sol Cu on AS R	Estimated Cu Grade
AUGITE PORPHYRY DYKE (30'-41') - difficult to determine rock type due to extreme weathering and fracturing - epidote alt'n occuring next to augite phenocrysts	ND	40	?	10'	brx-gg-lim-MnO_2-(hem)	0.5	0	casing to 30'		50	3	85821	.07	.04	.02	.01	4.37	<.01	.05
			30	1/10"	hem	0.5	0		37			85822	.08	.05	.01	.01	4.92	.01	.05
INTRUSION BRECCIA (41'-56½') - generally weak to patchy K-feld alteration - patchy albite alt'n intermixed with the K-feld alt'n	ND	50	20	½"	cal-hem-mal	1.0	0	lim-MnO_2-(mal) on fractures		65	10	85823	.34	.30	.17	.12	4.62	<.01	.08
			?	3'	brx-lim-MnO_2														
			?	2'	brx-lim-MnO_2-mal + wk diss cp	1.0	0		47			85824	.30	.27	.12	.09	4.68	<.01	.10
- weak secondary biotite & mag	ND	60			wk diss cp lim-MnO_2-(mal)-(chl) on fract surfaces	1.0	0			60	10	85825	.29	.25	.20	.08	4.26	<.01	.12
			?	6'	brx-lim-MnO_2-(hem)-(mal)	0.5	0		57			85826	.07	.06	.04	.01	4.50	<.01	.08
AUGITE PORPHYRY DYKE (56½'-77') - strong epidote alteration - calcite stringers - no Cu mineralization		70	?	5'	brx-lim-(MnO_2)	0.5	0			65	7	85827	.02	.01	.02	.01	4.51	<.01	.05
			20	1/3"	calcite				67			85828	.03	.01	.01	<.01	4.04	<.01	.05
			?	4'	brx-(lim)-(MnO_2)	0.5	0												

ASSAY RESULTS

June 1994

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN sol Cu	% As Fe	% CN sol Cu on As R	Estimated Cu Grade
	ND	80	?	5'	brx-lim-(MnO_2)	0.5	0		77	75	3	85829	.01	.01	.02	<.01	4.24	<.01	.05
					lim-MnO_2-mal on fract wk diss cp	0.5	0					85830	.25	.22	.14	.10	4.32	.01	.10
INTRUSION BRECCIA (77'–135')	ND	90	20	¼"	mag v. fine diss cp(py?)	1.0	tr	lim-MnO_2-mal on fractures	87	85	33	85831	.31	.21	.13	.13	4.81	.02	.15
					diss cp(py)	2.0	tr					85832	.43	.11	.22	.12	4.26	.05	.15
	ND	100	40	½"	diss cp(py)	2.0	<0.5	intense k-feld alt'n w/ secondary mag	97	90	70	85833	.64	.09	.44	.13	4.38	.06	.22
					mag	2.5	tr	lim-MnO_2-(mal) on fractures				85834	.54	.02	.26	.03	4.91	.02	.25
	ND	110			mod diss cp + blebs cp	2.5	0	weak albite alt'n along veinlets	107	98	67	85835	.28	.01	.14	.02	4.76	.02	.32
					wk diss cp	2.0	0					85836	.20	.01	.12	.01	4.05	.01	.25
	ND	120			wk diss cp	2.0	0	veins and patches of albite alteration	117	98	60	85837	.19	.01	.10	.01	4.69	.01	.25
					wk diss cp	1.5	0	lim-MnO_2-(mal) on fract				85838	.29	.05	.17	.04	5.32	.02	.27
	ND	130	40 ?	⅛" 7"	calcite + blebs of cal brx-lim-(MnO_2)	1.5	0		127	90	27	85839	.28	.22	.26	.08	6.10	.01	.25
			?	5'	wk diss cp brx-lim-MnO_2-mal	2.0	0	str mal on fractures				85840	.52	.40	.58	.21	6.20	.05	.22

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 3 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Bx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND				diss cp cup on fract mag stringers wk diss cp(py)	2.5	0			95	43	85841	.36	.15	.37	.12	6.75	.05	.20
SYENODIORITE (135'-145')		140				2.0	tr		137			85842	.13	.03	.10	.04	3.51	.03	.18
- fine grained diorite - moderate (around contacts) to very weak (middle of interval) K-feldspar alteration	ND		20	1/10"	cal w/ K-feld rim mod diss py calcite stringers	0.5	1.0			98	40	85843	.03	<.01	.02	<.01	3.56	<.01	.12
		150	?	1'	diss cp(py) brx-lim-MnO_2-mal	1.0	tr	str lim-MnO_2-mal on fractures	147			85844	.44	.28	.53	.21	7.03	.06	.20
INTRUSION BRECCIA (145'-170')	ND		?	2'	brx-lim-MnO_2-(mal) diss cp	1.0	0			95	43	85845	.71	.16	.40	.25	8.01	.13	.28
		160			diss cp(py)	1.5	tr		157			85846	.51	.19	.43	.19	8.44	.08	.26
	ND		?	9"	brx-lim-mal-MnO_2 diss cp str mal	2.0	0	lim-MnO_2-mal on fractures		98	33	85847	.78	.29	.64	.37	7.15	.18	.32
		170	?	3'	diss cp brx-lim-MnO_2	1.5	0		167			85848	.30	.08	.32	.08	5.58	.03	.28
SYENODIORITE (170'-207') - fine grained diorite - moderate K-feld alt'n with intervals of strong K-feld alteration	ND		?		brx-lim-(MnO_2)	0.5	0			85	17	85849	.03	.01	.02	.01	3.12	<.01	.10
		180	?	1'	brx-(lim)	0.5	0		177			85850	.03	.02	.04	<.01	3.76	<.01	.08
	ND		?	3'	brx-(lim)-(MnO_2)	0.5	0			90	20	85851	.04	.03	.04	<.01	2.53	<.01	.08
						0.5	0		187			85852	.03	.03	.03	<.01	3.16	<.01	.08

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-105 Page 4 of 11

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	% Au	% (w Sol Cu)	% A.S. Fe	% (w Sol Cu on ASR)	Estimated Cu Grade
	ND	200	?	8"	brx-lim-chr	0.5	0		197	95	33	85853	.11	.06	.11	.03	3.34	.02	.18
					str cup-chr														
			?	3'	brx-(lim)-(MnO_2)	0.5	0					85854	.02	.01	.03	<.01	2.76	<.01	.08
	ND	210	20	1/8"	wk diss cp-py	0.8	tr		207	95	40	85855	.11	<.01	.52	.01	4.18	<.01	.12
					mag-(cal)-(cp) wk diss cp (py)														
			?	2'	brx-lim-(MnO_2) cup-native Cu	0.5	tr					85856	.08	.02	.08	.02	4.75	.01	.18
INTRUSION BRECCIA (210' - 385') - with intervals of TRACHYTE (FELSIC) DYKES: 284' - 293', 302' - 314', 318' - 347'	ND	220	?	3'	mod diss cp assoc w/ secondary mag brx-lim-cup-(chr)	1.5	0		217	95	33	85857	.35	.11	.13	.11	6.00	.05	.28
					large blebs cp diss cp	2.5	0	str secondary mag				85858	.30	.04	.32	.06	4.51	.03	.42
	ND	230	?	1'	brx-lim-(mal)	2.0	0		227	95	47	85859	.44	.03	.42	.03	7.05	.02	.38
					str diss cp														
					diss cp	1.5	0	weaker k-feld alt'n w/ patches and veining of albite alt'n				85860	.40	.05	.41	.06	5.40	.03	.28
	ND	240			diss cp	1.0	0	str albite alt'n	237	98	63	85861	.28	.01	.23	.01	5.57	.01	.32
					diss cp	1.0	0					85862	.30	.01	.25	.01	5.74	.01	.28
possible SYENODIORITE with albite altered grains, strong calcite/zeolite veining	ND	250	0-40	hrln-1/2"	diss cp native Cu	1.0	0	str albite alt'n	247	98	37	85863	.44	.10	.31	.08	5.95	.04	.25
					calcite-(zeolite) veining	1.0	0	contains clasts of k-feld altered INTRUSION BRECCIA		3½'		85864	.24	.13	.19	.08	5.12	.02	.18

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-105 Page 5 of 11

ROCK TYPES and ALTERATION	Foliation angle and Intensity	GRAPHIC LOG (Rx type, Alt., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on ASR	Estimated Cu Grade
	ND	260	40	¼"	brittle rock w/ lim-MnO_2-(hem) hem stained qtz (native Cu)	0.5	0	patchy alb alt'n	257	98	50	85865	.26	.10	.24	.06	5.04	.02	.18
					lim-MnO_2-(native Cu) on fracture wk diss cp	1.0	0					85866	.37	.12	.32	.10	5.41	.06	.20
	ND	270	0-30	⅛"	diss cp calcite	1.5	0		267	98	67	85867	.39	.09	.41	.12	4.14	.07	.25
					diss cp cup on fractures	1.0	0	intense k-feld alt'n				85868	.42	.10	.40	.13	4.09	.07	.28
	ND	280	? 20 20	2' ⅛" ½"	brx-gg cup on fracture qtz orange colored cup alb-qtz	0.5 0.5	0 0		277	95	23	85869	.21	.11	.18	.07	4.21	.03	.15
												85870	.26	.16	.30	.10	2.34	.03	.20
TRACHYTE (FELSIC) DYKE (284'-293') - light grey phenocrysts set in a weakly k-feld altered groundmass	ND	290	? ?	3' 3'	orange colored cup + native Cu + (lim) brx-gg-(lim) brx-gg	0.5 0.3	0 0		287	90	20	85871	.33	.11	.37	.08	3.30	.03	.25
												85872	.15	.08	.10	.05	4.33	.02	.05
- slightly magnetic	ND	300	40 ?	1" 2'	calcite stringers native Cu TRACHYTE DYKE brx-(lim)-(MnO_2)	0.5 0.5	0 0	dyke becomes MAFIC 2" from contact	297	95	20	85873	.25	.08	.13	.09	5.07	.04	.08
												85874	.31	.13	.18	.09	5.24	.04	.08
TRACHYTE (FELSIC) DYKE (302'-314') - clasts of SYENODIORITE included		310	?	8'	brx-(lim)-(MnO_2) v. wk diss cp	0.5 0.3	0 0	wk epidote alt'n	307	85	50	85875	.18	.05	.09	.04	4.93	.01	.10
												85876	.15	.01	.09	.02	4.63	.01	.10

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 6 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alm. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on AGR	Estimated Cu Grade
	ND	320			wk diss cp	0.3	0	mod albite alt'n	317	98	47	85877	.18	.03	.16	.06	4.34	.03	.10
					wk diss cp	0.5	0					85878	.22	.04	.24	.05	3.78	.03	.10
TRACHYTE (FELSIC) DYKE (318'-347') - light grey phenocrysts set in a weakly k-feld altered groundmass - weak epidote alt'n present - rafted clasts of SYENODIORITE or INTRUSION BRECCIA	ND	330	50	5"	wk lim-on fractures; INTRUSION BRECCIA w/ intense k-feld alt'n	0.3	0		327	98	70	85879	.08	.04	.05	.03	4.43	.01	.05
					wk diss cp	0.3	0					85880	.08	.03	.05	.03	4.91	.01	.08
	ND	340	? ?	1' 1'	wk diss cp; brx-gg-(hem); brx-gg-(hem)	0.3	0	wk lim on fractures; veinlets of calcite	337	95	23	85881	.14	.04	.07	.04	3.87	.02	.08
												85882	.12	.03	.06	.05	4.54	.03	.05
	ND	350	?	3'	small blebs cp; brx-gg-hem; diss cp	0.3	0	veinlets of calcite	347	90	23	85883	.14	<.01	.07	.01	4.56	<.01	.08
						0.5	0					85884	.88	.03	.77	.07	7.38	.04	.15
	ND	360			blebs of cp; cp assoc w/ secondary mag; large blebs of cp; blebs of secondary act; diss cp	2.5	0	patchy albite alt'n	357	98	50	85885	1.38	.03	1.44	.08	6.36	.05	.42
						2.0	0					85886	1.46	.09	1.37	.29	6.07	.13	.46
	ND	370			diss cp; large mag+act blebs; diss cp	2.0	0	patchy albite alt'n	367	98	50	85887	2.50	.35	2.33	.96	6.31	.59	.38
						3.0	0					85888	1.93	.09	2.06	.25	8.51	.14	.40

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 7 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% A.S. Fe	% CN Sol Cu on AAS R	Estimated Cu Grade
	ND					20	1/8"	cal-mag-cp brx-gg	2.0	0				95	20	85889	2.26	.07	2.83	.21	6.73	.12	.35
						?	2'	diss cp					377											
				380		10	1/2"	diss cp vuggy cal vein	2.0	0		patchy albite alt'n				85890	1.70	.10	2.50	.30	7.54	.16	.32
	ND					?	1"	brx-gg diss cp	1.5	0		patchy albite alt'n		90	20	85891	0.69	.04	.69	.08	6.29	.04	.28
SYENODIORITE (385'-520') - original texture still evident								diss cp					387										
				390		20	1/8"	cal-mag	1.0	0						85892	0.29	.11	.30	.13	4.44	.05	.18
- intervals of intense k-feldspar alteration - generally low percentage of secondary biotite & mag - five intervals of TRACHYTE DYKES	ND					? 0-10	1" 1/8"	brx-gg-(lim) cal-diss native Cu	1.0	0				95	43	85893	1.08	.25	1.51	.47	5.81	.23	.28
								diss cp					397										
				400		10	1/16"	diss cp hem on shear plane	1.0	0						85894	.94	.20	1.20	.43	4.98	.23	.25
	Nb					30	1/4"	alb-(cal)	1.0	0		patchy albite alt'n		95	30	85895	.96	.15	.79	.28	6.31	.14	.25
								diss cp					407										
				410				diss cp	1.0	0		30° contact				85896	.63	.02	.87	.05	6.99	.03	.28
TRACHYTE (FELSIC) DYKE																							
	Nb							calcite stringers	0.8	0		~30° contact w/ hem+gg		98	47	85897	.36	.02	.27	.04	5.31	.02	.18
								diss cp + blebs cp				patchy albite alt'n											
TRACHYTE (FELSIC) DYKE						?	1'	brx + 30° cal-zeolite vein				80° contact w/ hem+gg	417										
				420		? 30x3	1' 1/8"x3	brx-hem calcite-zeolite	0.3	0						85898	.12	.01	.12	.02	4.95	.01	.08
	ND					70	1/8"	actinolite	1.0	0		40° contact		90	43	85899	.40	.10	.43	.20	6.49	.10	.15
						50	1/8"	mag-(act)-(cal)				wk lim on fractures	427										
				430				diss cp	1.0	0		alb alt'n w/ wk k-feld alt'n				85900	.71	.12	.65	.25	4.09	.14	.23

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 8 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% Cn Sol Cu	% A.S. Fe	% Cn Sol Cu on AAS	Estimated Cu Grade
	ND	440	0-20 70 30	1/8" 1/10" 1/16"	diss cp cal-(zeol)-(mag) cal cal-(mag) diss cp blebs of cp	1.5 1.5	0 0	wk albite alt'n	437	98	73	85901 85902	.31 .62	.02 .03	.35 .83	.07 .11	6.82 5.98	.04 .05	.32 .40
	ND	450	20 30	1/4" 1/8"	qtz vein + hem on shear wk diss cp cal-(mag) wk diss cp	1.5 1.0	0 0	secondary act + mag blebs 30° contact	447	98	53	85903 85904	.50 .29	.05 .06	.61 .15	.07 .07	5.65 5.23	.04 .03	.28 .22
TRACHYTE (FELSIC) DYKE TRACHYTE (FELSIC) DYKE	ND	460	? ? 20	1" 1" 1/16"	brx-(hem)-(lim) w/ 30° 1/8" calcite vein brx-hem-cal veins diss cp cal-zeol diss cp	0.5 0.5	0 0	brx-hem at contact 50° contact	457	90	27	85905 85906	.10 .33	.01 .01	.05 .30	.03 .03	5.19 5.73	.01 .02	.08 .18
~~SYENO~~DIORITE from 465'-520' -no k-feld alt'n	ND	470			wk diss cp fine grained diss native Cu	0.5 0.5	0 0	~30° contact (undulatory) contact fairly sharp, k-feld alt'n is absent	467	95	40	85907 85908	.35 .07	.14 .03	.11 .04	.19 .03	5.16 5.31	.07 .01	.15 .05
	ND	480	0-10 0-10	1/8" 1/16"	calcite wk diss cp calcite wk diss cp + native Cu	0.5 0.5	0 0	30° contact w/ hem-cal wk lim on fractures	477	95	43	85909 85910	.09 .20	.05 .05	.03 .06	.05 .07	5.98 6.22	.01 .03	.08 .15
TRACHYTE (FELSIC) DYKE -increased mafic phenocrysts (augite) -groundmass still dark grey to slightly k-feld alt'd w/ light grey phenocrysts	ND	490	30 40	1" 1/4"	wk diss cp SYENODIORITE (no k-feld alt'n) cal-(hem) wk diss cp	0.5 0.5	0 0	wk lim on fractures	487	95	63	85911 85912	.07 .17	.01 .04	.04 .07	.02 .06	5.45 6.57	.01 .03	.15 .18

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-105 Page 9 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt'n	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% A.S. Fe	% CN Sol. Cu on A.S.R.	Estimated Cu Grade
	ND				?		1½'	brx-(gg)-(hem)	0.5	0				95	70	85913	.02	.01	.03	.01	4.84	<.01	.05
				500					0.5	0			497			85914	.01	.01	.03	.01	4.29	<.01	.05
	ND								0.5	0				95	73	85915	.01	.01	.02	.01	4.62	<.01	.05
				510					0.5	0			507			85916	.04	.02	.05	.02	5.97	.01	.05
	ND					0-10	¼"	cal-qtz	0.5	0				98	57	85917	.07	.04	.04	.04	5.14	.01	.05
				520	-30	30	2"	competent gg-hem	0.5	0			517			85918	.15	.08	.13	.10	5.16	.05	.05
INTRUSION BRECCIA (520' - 647' E.O.H.) - with interval of an AUGITE PORPHYRY DYKE 619'-626' - with interval of a TRACHYTE (FELSIC) DYKE 632'-634½'	ND							str cup on fractures diss native Cu	0.8	0				95	27	85919	.59	.33	1.04	.43	6.85	.17	.18
				530	?		2½'	brx-(gg)-(hem)	0.5	0			527			85920	.38	.15	.47	.24	5.82	.11	.12
	ND							diss native Cu	0.5	0		patchy albite alt'n		90	40	85921	.59	.18	.35	.34	6.74	.18	.18
				540	?		8"	brx-competent gg wk diss cp	1.0	0		patchy albite alt'n	537			85922	.78	.13	.49	.33	6.24	.21	.15
	ND							diss cp	1.0	0		patchy albite alt'n		98	70	85923	.38	.06	.44	.13	6.06	.10	.23
				550				diss cp diss native Cu	1.5	0			547			85924	.78	.16	1.80	.34	5.24	.21	.28

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 10 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type	Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN sol Cu	% A.S. Fe	% CN sol Cu on ASR	Estimated Cu Grade
	ND			560		?	6"	str diss cp (blebs/veinlets) brx-gg (dark-bio/mag?) diss cp	1.0	0	patchy albite alt'n	557	98	73	85925	.42	.03	.57	.10	4.93	.07	.35
								mod diss cp blebs of secondary bio	0.5	0					85926	.36	.04	.47	.11	3.54	.08	.26
	ND			570				diss cp	1.0	0	patchy albite alt'n	567	98	80	85927	.50	.05	.55	.22	2.76	.17	.22
								diss cp	1.0	0					85928	.45	.05	.61	.20	4.47	.16	.22
	ND			580		40+60	¼"+½"	cal-biotite	0.5	0	patchy albite alt'n	577	95	27	85929	.29	.03	.25	.13	4.27	.10	.16
								diss cp	0.5	0					85930	.57	.04	.42	.18	6.18	.14	.25
	ND			590		? 40×2 50	8" ⅛" ⅓"	diss cp brx-gg-ep alt'n calcite-(qtz) calcite-(hem)	1.0	0	wk ep alt'n albite alt'n	587	95	43	85931	.51	.07	.44	.18	6.32	.12	.22
									1.0	0					85932	.24	.03	.34	.09	4.67	.07	.20
	ND			600		0-10 40	⅛" ¼"	diss cp calcite chlorite (sheared) diss cp	1.0	0	patchy albite alt'n	597	95	67	85933	.26	.06	.27	.10	4.80	.08	.22
									1.0	0					85934	.40	.06	.40	.18	6.78	.15	.25
	ND			610		30×2 60 ?	1/10" ⅛" 1'	calcite (zeolite) wk diss cp calcite stringers calcite brx-gg wk diss cp	1.0	0		607	95	43	85935	.25	.02	.35	.06	5.01	.04	.20
									1.0	0					85936	.26	.01	.24	.03	1.47	.03	.20

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-105 Page 11 of 11

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt.	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% As. Fe	% CN Sol Cu on Assay	Estimated Cu Grade
	ND					30	1/16"	diss cp hem-act on shear	1.0	0	albite alt'n		90	43	85937	.24	.02	.23	.07	5.65	.05	.28
				620				wk diss cp	1.0	0	albite alt'n 30° contact (sharp)	617			85938	.32	.02	.35	.08	5.84	.06	.22
AUGITE PORPHYRY DYKE	ND					40x2 0-30 ?	1/8"+1/8" 1/4" 3'	calcite calcite brx-gg-hem-calcite	0.3	0			85	33	85939	.02	<.01	.04	<.01	4.39	<.01	.05
				630		30	6"	AUGITE PORPH DYKE	0.5	0	30° contact (undulatory) albite alt'n	627			85940	.15	.01	.17	.03	3.27	.01	.10
TRACHYTE (FELSIC) DYKE	ND					? 30 ?	1' 1/2" 1 1/2'	brx albite-(k-feld)-(act) v. wk diss cp in DYKE brx-gg-(hem) diss cp	0.5	0			85	13	85941	.57	.04	.75	.14	3.85	.06	.15
				640					0.5	0	albite alt'n	637			85942	.57	.07	.60	.20	3.66	.10	.18
	ND					? 40	2' 1/2"	brx-gg-hem diss cp - some grains tarnished peacock blue mag	1.0	0	albite alt'n		90	—	85943	.28	.03	.41	.08	4.39	.04	.20
				647								647										
											E.O.H. 647'											
											Murray Rydman											

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-106 Page No. 1 of 8

LOCATION North Zone | BEARING — | LATITUDE (N) 4013.63 | CORE SIZE NQ | LOGGED BY R. Graden
DATE COLLARED June 15, 1994 | LENGTH 437' | LONGITUDE (E) 2108.39 | SCALE OF LOG 1":10' | DATE July 25 '94
DATE COMPLETED June 17, 1994 | DIP -90° | ELEVATION 1182.919 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- INTRUSION BRECCIA
- SYENODIORITE
- MONZONITE PORPHYRY
- Potassic Alteration
- Epidote Alteration
- Chlorite Alteration
- Patchy k-spar Alt.
- k-spar Alt. along fractures

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt'n, Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	ASSAY RESULTS: % TCu	% OxCu	g/t Au	% CN Sol Cu	% As Fe	% CN Sol Cu on RSR	Estimated Cu Grade
								CASING TO 14'											
INTRUSIVE BRECCIA 14' to 52' Mottled buff-TAN color.	ND	0' – 20'				1%	.25	very broken up rock malachite, cp. & traces of py.	17'	50%	13	85401	.29	.24	.10	.11	3.40	<.01	.30
Original Rx - Diorite ~ Syenodiorite Very patchy alteration. K-spar replacement producing pseudo-breccia Rx composition: Plag - 45% K-spar - 40%	ND	20' – 25'	Jt 25°		MnO2 - Lim - Mal	1-2%	.25	Diss cp. & mal throughout. Strong sericite alt'n plag at top of interval some Ep alt visible on broken Rx		80%		85402	.44	.27	.19	.15	3.96	.01	.60
		25' – 30'	Jt 10'		Lim	1%	.40	increasing Cp content trace Cuprite	27'		53	85403	.83	.11	.46	.09	4.98	.02	.65
mafics - 10% Mag - <5% Qtz - <5% Potassic alt. includes sericite (pervasive) Plag phenos Mineralization includes: Py - Cp - Py - Bnl - Native Cu - Cuprite	ND	30' – 35'	Dykelet LC Vn 36°	1/16"	TRACHYTE (rare Cp) mag - Calc - cp - py	1-2%	.75	rare native copper increased cp & py blebby		99%		85404	.67	.04	.38	.07	4.53	.03	.55
		35' – 40'	SH 50° Fault (badly broken) zone	9"	Ep - calcite - chl slicks run ⊥ to surface	2%	.50	High cp & py near fault	37'		83	85405	1.22	.02	.82	.03	6.87	.02	.70
majority of mineralization is sulfides - pyrite - mag - biotite - hornblende - cpy? 232' to 232.8' Trachyte Dykes - weak mag (Felsic Dyke) Trace cp	ND	40' – 45'	Vn 22°	1/8"	calcite - py - Ep	2%	.50			95		85406	1.53	.03	1.02	.04	10.8	.03	.70
		45' – 50'	SH 44° SH 12° SH 31°		chl - Calc. (⊥ slicks) chl - Hem. (// slicks) chl (// slicks)	2%	.75	numerous structural features (Veinlets & shears.)	47'		37	85407	.90	.03	.67	.06	6.00	.04	.65

Junc

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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BOTTOM DEPTHS: Leach Cap · Leachable Ox. · Lim. Zone 47' · Supergene

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AS/Te	% CN Sol Cu in ASR	Estimated Ox Grade
SYENODIORITE 52' to 96' Buff pink (patchy) to tan brown color.	ND	50' / 55' / 60'	Vn 38° Vn 55° FR 84°	1/16" 3/8" < 1/4"	mag-Py-Cp cal-chl-py-Cp Alb-Cal-Ep-Cp-Py	2% 5-8%	1% .25%	occ. strong pyritic and cp enriched areas WEAK Ep alt. & weak k-spar alt. Increased mafic content at top of interval → Mag	57'	98%	67	85408 85409	1.46 .33	.01 .01	.94 .22	.02 .01	7.37 6.72	.01 .01	.85 .30
Some Rock type as described above in intrusive breccia but less k-spar Alt. giving a patchy Red Color. weaker overall alt. Original rock type probably a diorite. transitional gradational	ND	65' / 70'	Sh 16° Vn 53° Vn 16°	— < 1/8" 1/8"	Chl cp-py-Cal Cal-Cp-Py	3-4% 1-2%	.25% 3%	finely diss cp. increasing conc to bottom of interval Abu cp in Blebs, Vn & fracture filling. Assoc. w/ mag. Drysg cavities infilled w/ cryst. Cal, Cp, Py, Zeol	62'	100%	77	85410 85411	1.07 3.42	.01 .02	.67 2.24	.02 .03	6.41 7.22	.01 .02	.50 2.00
Change from above "pseudo-breccia" Composition: K-spar 30% Plag 50% mafics 15% Qtz <5% mafics consist of: biotite, magnetite	ND	75' / 80'	Jt 43° Mag fissures Sh 27° (70° to CA) Slicks plunge		Cal-Ep Py-chl-Cp	1-2% 2-3%	2% 1%	fissuring containing Mag. presence of Actinolite Smeared py & cp on Shear Surfaces Very fine grained diss cp & py	77'	100%	72	85412 85413	.19 .17	<.01 <.01	.26 .17	<.01 <.01	4.41 4.57	<.01 <.01	.35 .55
Pods and viening of massive Py or Cp common.	ND	85' / 90'	Sh 44° (Slicks Plunge 80° to CA) Sh 45° (Slicks plunge 80° to CA) Vn 53° Fissures full of calcite.	5/8"	chl-Py-Cal Chl-Py-Cal-Hem-Cp Alb-cal-Py	3% 1%	1% 0.5%	Very broken up rock fault zone?. Slicks visible on Rk. fragments. Abu chl., Cal. on the broken Rk. may pathy Intensely Altered syenodiorite Original texture barely noticeable Rock partially silicified. mafics alt. to chl.	87'	95%	53	85414 85415	.30 .02	<.01 <.01	.26 .02	<.01 <.01	6.09 3.18	<.01 <.01	.65 .60
Intensely Altered Syenodiorite from 84.5 m to 96 Possibly Syenodiorite may be Monzodiorite Porphyry. rare mafics	ND	95' / 100'	Vn 70°	1/8"	Alb-Cal	1% 1%	1-2% 1-2%	Dark reddish brown grading to a light tan color. silicified k-spar ? Hem alt. relict plag phenos standing out very fine cal violets Very Hard Rock Silicified. Weak magnetite	97'	98%	74	85416 85417	.05 .17	<.01 <.01	.03 .16	<.01 .01	3.40 3.28	<.01 <.01	.40 .30
(where present alt. partially to chloride) Rock has been silicified. Rock full of fine grained sulfides (py & cpy). Rx. change below broken Rx interval Possible transition zone to monzonite ?	ND	105' / 110'	Vn 63° Jt 24°	< 1/4"	Alb chl-cp-py	1% 1%	2% 2-3%		107	99%	64	85418 85419	.50 .18	.01 <.01	.34 .12	.01 <.01	3.18 3.43	.01 <.01	.25 .35

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
MONZONITE ? Porphyry 96' to 124'		110'							ABU py - slightly more Py. Rk. very altered. minor actinolite											
Intensely Altered Rock by k-spar. Original texture mostly destroyed. Rock may be still an alt.	ND	115'	Fr 33°	(85° to CA)	chl - Cal - Py - Cp	1-2%	2-3%		finely diss Cp in amongst the py	117'	98%	67	85420	.14	<.01	.10	<.01	4.93	<.01	.25
		120'	Sh 26°		Chl - Py - Cp	1-2%	2%						85421	.19	<.01	.17	<.01	4.83	<.01	.20
Syenodiorite - similar appearance As Intrusive Breccia. K-spar Alt. composition primarily K-spar. minor magnetite. Limited original textural laths barely visible upto 5/16"	ND	125'	Jt 28°		Py - Cp	1-2%	2-3%		rare blebs of cp among the py		98%		85422	.16	<.01	.16	<.01	2.52	<.01	.25
			Jt 16°		Py - Cp				Py diss along microfractures Patchy alt. - top of interval	127'		62	85423	.06	<.01	.05	<.01	2.71	<.01	.25
		130'																		
Upper contact non-distinct ? gradational. Lower contact is at 28° to CA	ND	135'	VN 26°	3/8"	Cal - Alb (carb?)	1%	1-3%		mostly along fractures. Heading into a weaker k-spar alt. ABU Py. less cp moderate fracturing in Rk		96%		85424	.03	<.01	.03	<.01	2.59	<.01	.15
			Jt 6°																	
			Sh 30°		Chl - Hem - cal - py	1%	2%		Highly fractured Rk w/ ABU py along fractures Pitted appearance to Rk.	137'		30	85425	.03	<.01	.02	<.01	2.61	<.01	.25
		140'																		
SYENODIORITE (Diorite ?) 124' to 437' (E.O.H)		145'	Jt 4°						moderate Amount of fracturing. Diss cp minor Amts of cuprite ABU fine gr. py.		96%		85426	.01	<.01	.01	<.01	2.42	<.01	.23
As Described Above. Less K-spar Alt. Med to fine grained ABU Py. K-spar replacing	ND		Jt 35°		Hem - Py - cp	1%	2-3%													
		150'				1%	0.5%		Drop in sulfide content rare Py. Py ? cp along joints.	147'		60	85427	.02	<.01	.02	<.01	2.17	<.01	.10
matrix material. Hem seen along shears 158.5' to 164'		155	Jt 40°						Hem along joint. possible shears. Rem Diss Py Possibly some cp. Chl-Act-? Alt.		98%		85428	.01	<.01	.02	<.01	2.31	<.01	.13
Drop in k-spar alt at to an unaltered syenodiorite or a true Diorite	ND		Jt 20° Jt 40° Vn 24°		Hem - Py Hem Hem - Py - Cp Py - Cp ?	1-1.5%	.75%													
		160				1%	.25%		Drop in k-spar alt minor chl of mafics Py ? rare cp rare native Cu ?	157'		45	85429	.02	<.01	.02	<.01	2.32	<.01	.14
Drop in mineralization		165'	Jt 40°						Very weak K-spar Alt Starting at 164'											
	ND				Hem - Py - Calc - Cp	1%	6.25				96%		85430	.01	<.01	.01	<.01	2.04	<.01	.10
		170'	Jt 40° Jt 8°		Hem - Py Calc - Ep	1%	.75		rare pods of Py Tr. Cp Py along joints	167'		40	85431	.02	<.01	.01	<.01	2.29	<.01	.08

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.
		170'	Vn 25° Vn 73° Albite vienlets.	1/16" 1"	PY Alb.- Qtz ?	1%	.25%	Albite Vn x cutting pyritic vienlets. occasional gabbroic clast to 2" wide		98%	63
		175	Vn 26° slt 50°	1/16" (sticks to CA)	Alb - cal - Qtz - mag - Py Hem - cal				177'		
		180'	SH 77°	(sticks 80° to CA)	chl - cal	1.5%	.25%	thin wispy Albite vienlets.			
			SH 84° Vn 70°	(sticks to CA 90°) 1"	cal - PY Alb - carb	1-2%	1%	sdng k-spar alt at top of interval - tan-buff color. k-spar alt. slightly dropping after. mag. blebs. trace cp. Abs py		99%	70
		185	SH? 35° & Vn	(sticks @ 35° to CA) 1/8"	chl - clays Cal - Alb			rare cp along fractures Drop in py	187		
		190	SH 10°	(sticks @ 80° to CA)		0-1%	.5%	Fine gr. k-spar replacing matrix material			
		195	Numerous 56° to CA	wispy Ca	cite vienlets at approx	0-1%	.5%	Increased sulfides below chl - broken Rk		97%	68
			SH? 45°		Black chlorite - py			rare chl. alt mafics			
		200	numerous close to Fr. 35°	wispy cal horizontal, < 1/16"	alb vienlets, orientated more random cal	0-1%	.5%	spotty zones of very weak k-spar alt.	197'		
Starting at 226' Very patchy k-spar alt levels. some k-spar may be primary ?		205	Vn 26° 80°		Alb - Qtz - Py Numerous thin wispy Alb - cal.	0.5%	.5%	rare albitic alt clast of diorite within strong k-spar alt. rk.		100%	70
			Vn 78°	1.5"	Alb - Cal - Qtz			Stronger k-spar alt starting at 204' to 207' complete replacement of the Rk. texture. light pink - buff then, blk ? mag fracture filling	207'		
		210'				.5%	.5%				
		215'	Jt 10°		calc.	.5%	.75%	Patchy k-spar alt Py & Hem along some fractures		98%	47
			Jt 28°		Hem - Calc - Py				217		
		220'				0.5%	< .25	strong drop in k-spar alt			
		225'	Jt 60°		Cal - Hem	0.5%	.25%	Pitted appearance of Rk upto 1%. Py occurs in small tiny cavities very fine cp?		97%	56
			Jt 47°		cal			@ 226.5 Start of strong k-spar alt. Moderate ep alb. Thin wispy vienlets	227		
		230'			Broken Rk. Rich in carb - Cal - chl - ep	0.5%	.25%			~2%	

ASSAY RESULTS

Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
85432	.04	<.01	.03	<.01	2.74	<.01	.05
85433	.04	.01	.04	.01	2.97	.01	.05
85434	.04	<.01	.03	.01	2.92	.01	.13
85435	.02	<.01	.02	<.01	2.51	<.01	.15
85436	.03	<.01	.03	<.01	2.28	<.01	.11
85437	.01	<.01	.01	<.01	2.38	<.01	.08
85438	.02	<.01	.02	<.01	2.76	<.01	.08
85439	.03	<.01	.02	.01	2.90	<.01	.10
85440	.02	<.01	.02	<.01	2.36	<.01	.10
85441	.02	<.01	.01	<.01	2.41	<.01	.10
85442	.02	<.01	.01	<.01	2.42	<.01	.15
85443	.02	<.01	.02	<.01	2.70	<.01	.08

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene / Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.
241 to 247' Texture strongly porphyritic Possibly the monzonite porphyry? this new texture resumes again at	ND	230	N 70° Jt 8°		numerous thin wispy cal-alb violets cal-py-cp	0.5%	.75%	Drop in Ep alt. Rock has Dark. red appearance Trace cp. py along joints Trace cuprite			
		235								97%	60
			Vn 62°	1.25"	Cal - Alb	1-2%	1%	Change from Dk. Brown-Red to bright red. K-spar alt increased microfissures	237'		
250.5' and has a sporatic appearance upto 270' no apparent contacts with 'syenodiorite' type rock. feldspar laths alt. to pink-buff color size upto 0.5"	ND	240'	Fr. 3°	~ 1/16"	chl-mag-py	2-3%	1.5%	Strong increase in mag. (microfracture filling). more biotite majority of sulfides are py. minor cp			
		245								97%	67
			Vn 29°	1-4" ??	clays-calc (completely alt & broken up)	3%	1%	increased diss cp top 2' look like monzonite porphyry	247'		
		250'									
			Vn 13°	1/16"	Qtz-Alb	1-2%	1-2%	numerous fissures infilled w/ cal-alb-Qtz, rare zeol minor chl alt		98%	77
253' to 272' Rock has appearance of intrusive breccia Patchy k-spar alt of diorite	ND	255'									
			Vn 53°	1/16"	Py-cp	2-3%	0.5%	increased diss cp less py.	257'		
at least 2 stages of alt. k-spar & albite. appearance suggests albite was a later stage of alteration. rare clasts		260'									
			SH 35°		chl-clays-cal	3-4%	<1%	monzonite porphyry texture from 262' to 264' blebs of mag. cp very fine grained		100	73
	ND	265'									
			SH 53°	(slicks @ 53° CA)	Cal-chl	5%	<1%	monzonite porphyry texture 265 to 266', & 269 to 271' cp close assoc w/ mag more cp @ top of interval	267'		
		270'									
			Vn 30°	< 1/2"	Carb-chl	3%	1%	End of patchy alt & Breccia looking rock. High k-spar alt. diorite. rare large blebs cp. mag ↓		98	77
	ND	275'	Vn 38°	1/8"	cal-py-cp						
			Vn 36°	< 1/2"	cal-cp-py	2-3%	0.5%	start to increase in amount of py	277'		
		280'	Vn 28°	< 1/4"	Cal-carb						
			Vn 35°	1/8"	Alb	3%	1.5%	higher py Very little fracturing		100	87
	ND	285	Vn 22°	1/16"	mag-py-cp						
			Vn 41°	3/8"	Alb-cal-py	3%	1%	Slight drop in k-spar alt over this interval Very fine cp diss sulfides	287'		
		290'									

ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
85444	.05	<.01	.04	<.01	2.65	<.01	.13
85445	.24	.01	.17	.01	2.27	.01	.25
85446	.45	.01	.25	.01	5.92	.01	.35
85447	.36	.01	.26	.01	3.74	<.01	.35
85448	.16	<.01	.10	<.01	3.93	<.01	.20
85449	.30	.01	.19	.01	5.58	.01	.40
85450	.25	.01	.14	.01	6.16	.01	.26
85451	.37	.01	.30	.01	4.43	.01	.33
85452	.48	.01	.30	.01	4.15	.01	.60
85453	.14	<.01	.09	<.01	2.16	<.01	.25
85454	.13	<.01	.14	.01	2.97	<.01	.27
85455	.22	<.01	.16	.01	2.84	.01	.37

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Bx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
	ND	290 / 295 / 300	Vn 41°	1/4"	CAL - ALB - Py	2-3%	<.5%	return of patchy alt Some secondary alb alt. (remnant ?) Minor amounts of Actinolite	297	98	77	85456	.10	<.01	.08	<.01	3.42	<.01	.22
						2%	<.75%					85457	.18	<.01	.12	.01	3.17	<.01	.30
	ND	305' / 310	Vn 27° / Vn 27°	1/4" / 1/4"	broken Rock assoc. w/ calcite clays or carbonate clays chl / Qtz - silicification vein	4-5%	1%	Occurance of mag vienlets containing py ! cp increased diss cp	307	97%	68	85458	.28	<.01	.21	.01	3.04	.01	.45
						2-3%	1-2%	dp ! sfty finely diss in				85459	.25	.01	.14	.01	2.68	.01	.50
	ND	315' / 320'	Vn 0° / Vn 3° / Vn 0°	1/8" / 1/16" / 1/8"	Qtz - Py - bio - Ep - Cal / qtz - cal - py - bio - Ep - Cp / Qtz - cal - bio - Py - zeol	2%	2-3%	ABu diss py along frac surfaces. Qtz. Vn running down core? ABu py along fractures	317	96%	77	85460	.15	.02	.05	.05	3.84	.03	.25
						2-3%	2%	Pitted texture to core small drusy cavities account for 1% of core Sulfides assoc. with cavities				85461	.15	.01	.06	.02	3.51	.01	.25
	ND	325' / 330'	Jt 20° / Jt 23°		cal - mag - Hem - py / mag - Py	2-3%	1%	rare mafic clasts upto 2" unaltered by k-spar decreasing V. fine grained sulfides Py? cpy?	327	99%	83	85462	.11	<.01	.07	<.01	3.36	<.01	.20
						3-4%	1%	few vlets ! joints in Rk				85463	.09	<.01	.05	<.01	3.60	<.01	.28
	ND	335' / 340'	Vn 23° / Vn 35°	1/8" / 1/8"	Alb - cal - mag - Cp / Alb - cal (crystal form)	2-3%	2%	Fully developed alb ! cal crystals in joint. rare drusy cavities filled w/ calcite more sulfides	337'	100	74	85464	.38	.01	.22	.01	3.68	<.01	.38
						1-2%	1-2%	Fewer sulfides than above Very fine gr sulfides				85465	.29	<.01	.14	.01	3.50	<.01	.35
	ND	345' / 350'	sh (SH?) 38° / Vn 40° / Vn 28° / SH 21°	1/16" / (slicks @ 80° to CA)	chl - Hem - cal / mag - cp - py / mag - Ep / chl - Hem - cal - Ep - Py - Cp	1-2%	2%	pkg appears slightly alt by Ep ?, light green color sulfides very fine gr py ? cp ? . rare mag. vienlets	347'	100	80	85466	.20	<.01	.14	.01	3.60	<.01	.40
						3-4%	1-2%	ABu Diss cp rare mag. vienlets. Drusy cavity filled w/ cal. weak chl alt.				85467	.43	.01	.32	.01	2.77	<.01	.95

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ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN Sol Cu in ASR	Estimated Cu Grade
	ND	350	Vien sat 20°	< 3/8"	fibrous stockwork of mag. almost parallel veinlets Alb - cal - lim - Qtz veins	3%	2%	355' to 355' Lim in Rx may be causing yellowish appearance weak chl. alt. possible Lim giving discoloration to rock mag mostly occurs in vinelets only.		100	87	85468	.18	.02	.14	.04	3.30	.02	.38
		355							357'										
		Fr. 32°	< 1/16"	mag - py - Lim(?) - cp stockwork & blebs of mag	3%	3%	patchy stockwork & blebs of mag. weak py at top to strong py at bottom. rare cpy? minor sericite					85469	.17	.01	.11	.02	4.91	.01	.25
	ND	360	SH 16° (sticks @ 60° to CA)		Chl - Cal - Ep stockwork of mag. fine & fibrous to blebby	5%	5%	Abn. sulfides, giving sparkle to core. increase in both py & cpy		98%	85	85470	.27	<.01	.16	.01	6.77	<.01	.40
		365	Vn 60°	< 3/4"	Qtz - Alb - cal - mag - Py - cp	4%	3-4%	cp & cal closely assoc. w/ mag. veins.	367'			85471	.22	<.01	.14	<.01	4.27	<.01	.35
	ND	370	Fr. 23°	(sticks @ 85° to CA)	chl - Hem	5-7%	1-2%	large stockwork of mag at top of interval drastically increasing down section Strong increase in cp		98%	81	85472	.31	<.01	.26	.01	5.32	<.01	.70
		375	Jt 12°		Cal - Ep			drop in mag & cp	377'			85473	.52	.01	.37	.02	3.30	.01	.40
		380	mostly @ ~ 80°		Zone of mostly Albite veining, minor cal - Qtz - py - cp	3-4%	2-3%	minor drop in py towards bottom of interval											
	ND	385	Vn 37°	1/16"	cal - qtz - Alb? (patchwork of veins)	2-3%	1-2%	CALC - Alb Vinelets to bottom of interval. increase of cp to bottom of interval		100%	68	85474	.10	<.01	.10	.01	2.87	.01	.25
			Vn 37°	1/16"	chl - cp - py - cal			less veining of Alb - cp occurs along veins, vinelets rare large mafic clasts rounded to 3"	387'			85475	.14	<.01	.08	<.01	2.80	<.01	.33
		390	Vn 32°	1/16"	Hem - cp - cal - py	2-3%	<1%												
	ND	395	Vn 60°	1/16"	Alb - cp - Py	3%	<0.5%	Coarser grained than above interval. rare mafic clasts to 1" less cp		100%	79	85476	.19	<.01	.13	.01	3.07	<.01	.15
									397'										
		400	Vn 29°	1/16"	Alb - py - cp?	3-4%	<.75%	few more disc sulfides				85477	.10	<.01	.07	<.01	3.35	<.01	.18
	ND	405	Vn 48°	1/8"	2cal - Qtz - cp - py	3%	<.5%	cp, py mostly occurring in small fractures or in veins rarely disc		100%	77	85478	.11	<.01	.09	.01	2.69	<.01	.20
									407'										
		410	Vns ~ 30°	< 1/16"	thin wispy mag - cp - Py vinelets	3-4%	1.5%	more disc cp, py More cp than py				85479	.21	<.01	.14	.01	3.02	<.01	.30

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-106 Page 8 of 8

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in ASR	Estimated Cu Grade
	ND	410 / 415 / 420	Jt 56		Py	4-5%	<0.5%	Calc - Alb · veins to bottom of interval · rare large drusy cavities. slightly less cp	417'	100%	77	85480	.27	.01	.21	.02	2.92	.01	.27
			Vn 37°	1/8"	mag - Py - cp	4-5%	<.3%	cp mostly in veins or wisplets - Increase in Actinolite (or epidote)				85481	.07	<.01	.09	<.01	2.09	<.01	.18
	ND	425 / 430	Vn 39°	1/16"	cp-py	4-5%	<.5%	Darker Red K-spar Alt. increased cp. more Act.	427	99%	73	85482	.23	<.01	.12	.01	2.32	<.01	.25
			Vn 30°	< 1/4"	Alb - cal.			cp common in microfracture				85483	.22	<.01	.15	.01	1.17	.01	.28
			Vn 62°	3/8"	cp - zeol - Py.	4-5%	<.75%	cp closely assoc. w/											
	ND	435	SH 55°	(slicks @ 80° to CA	Hem - chl - Alb - Ep	4-5%	<1%	High Actinolite, rare vug infilled with calcite · strong Act. numerous fractures with hematite possible shear or fault zone at bottom of hole	437	98°	59	85484	.27	.01	.19	.01	3.99	.01	.36
					437' E.O.H.			437' E.O.H.											

Ron Gruden

June 19th

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page No. 1 of 10

LOCATION CENTRAL ZONE | BEARING 072° | LATITUDE (N) 3255.46 | CORE SIZE NQ | LOGGED BY M. RYDMAN
DATE COLLARED JUNE 17, 1994 | LENGTH 577' | LONGITUDE (E) 2186.04 | SCALE OF LOG 1"=10' | DATE July 18, 1994
DATE COMPLETED JUNE 19, 1994 | DIP -50° | ELEVATION 1174.62 | REMARKS

ROCK TYPES and ALTERATION SYMBOLS

- INTRUSION BRECCIA
- SYENODIORITE
- MAFIC DYKE
- AUGITE PORPHYRY DYKE
- K-FELDSPAR ALT'N
- PATCHY K-FELD ALT'N

MISCELLANEOUS SYMBOLS and ABBREVIATIONS

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

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

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Bx qtz, Alm., Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.
		14						CASING TO 14'			
INTRUSION BRECCIA (14'-142') – variable K-spar alteration	ND	20	30+40 40	¼"x2 ½" 2'	str mag-bi-(mal)-(py) qtz-plag-k-feld-(bi) weathered alb-mag brx-lim-MnO_2	1.0	tr	lim on fracture surfaces	17	90	–
– mag+biotite+(mal)+(chr) infilling fractures – intervals of less altered rock is syenodiorite ~70% plag ~15% mafics ~5% K-feld <5% qtz	ND	30	40 20-40	3' ⅛" hrln	brx-lim-MnO_2 qtz-mal-cp veinlets of alb-(chr)	1.0 0.5	0 tr	large biotite blebs	27	85	20
	ND	40	30 0-20	½" hrln	mag+angular frag of mag str MnO_2-chr on fract angular blebs of mag+chr-(lim) on fractures	3.0 4.0	0 0	biotite w/ K-feld alt'n (mag)	37	95	17
	ND	50	0-10	3' hrln 3'	brx-lim-mal-(chr) MnO_2-lim-chr on fract brx-(lim) chr in fract } blebs of biotite (mag)	0.5 1.0	0 0		47	95	13

ASSAY RESULTS

Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% ASFe	% CN Sol Cu in ASR	Estimated Cu Grade
85601	.23	.22	.45	.03	5.20	.01	.15
85602	.20	.20	.45	.03	3.05	<.01	.10
85603	.32	.27	.46	.03	6.32	.01	.15
85604	.29	.26	.60	.03	3.66	.01	.10
85605	.43	.35	.59	.05	5.02	.01	.20
85606	.46	.42	.97	.11	3.79	.01	.15
85607	.37	.33	.46	.06	7.17	.01	.20

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page 2 of 10

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

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Rx type, Alt'n, Footage, Structure)	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	TCu %	OxCu %	Au g/t	CN Sol. Cu %	AsFe %	CN Sol. Cu in AsFe %	Estimated Cu Grade
	ND	60		2'	brx-lim-(MnO_2)-(mal)	0.5	0		57	90	20	85608	.29	.26	.68	.03	10.3	.01	.05
				1'	brx-lim-(mal)														
				2'	brx-lim-mal	2.0	tr	blebs of biotite+mag+((cp))				85609	.36	.32	.73	.04	8.84	<.01	.15
	ND	70		2'	brx-lim-mal } str infilling of biotite (mag)	1.5	0		67	95	7	85610	.40	.37	1.38	.06	8.73	.01	.10
				5'	brx-lim-(mal)-(chr)	0.5	0					85611	.35	.28	.61	.04	10.2	.01	.10
	ND	80	10-20	⅛"	chr-mal-(lim)	0.5	0		77	90	3	85612	.36	.31	1.83	.04	9.64	<.01	.10
				2'	brx-lim-MnO_2	0.5	0					85613	.34	.28	.81	.03	8.45	.01	.05
	ND	90			brx-lim-MnO_2-(mal) K-feld altn along fract	1.0	0		87	85	20	85614	.46	.39	.82	.08	9.00	.02	.10
				1'	brx-lim-(MnO_2)														
				1½'	brx-lim-(MnO_2)	2.0	tr	v. weak diss cp				85615	.36	.33	1.15	.05	7.70	.01	.20
	ND	100	60+50	hrln	mal-lim-MnO_2 on fract	2.5	tr	v. weak diss cp	97	95	30	85616	.38	.31	.73	.08	8.72	.02	.20
						2.0	0					85617	.43	.38	1.58	.05	7.96	.01	.10
	ND	110				1.5	0		107	80	37	85618	.50	.44	1.32	.04	9.05	.01	.15
					mod diss+veinlets cp blebs of mag	2.0	tr					85619	.76	.35	2.12	.28	7.21	.15	.38

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page 3 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol. Cu in ASR	Estimated Cu Grade
	ND	120	50-70	hrln	cup on fract surfaces in a 1' interval mal-lim-(MnO_2) on fract	2.0	1.0	wk diss cp(py)+ veinlets	117	98	47	85620	.89	.52	1.32	.35	7.25	.14	.55
					few small blebs cp	1.0	tr					85621	.44	.30	.68	.14	6.64	.105	.35
	ND	130			k-feld altn along fract	1.0	0	} unaltered syenodiorite (no visible sulfides)	127	98	53	85622	.14	.10	.26	.03	6.25	.01	.10
					k-feld altn along fract	2.0	0					85623	.16	.15	.40	.02	6.59	<.01	.15
	ND	140	80	hrln	str MnO_2 + chr on fract	2.0	0		137	95	33	85624	.25	.22	.17	.04	6.55	.01	.20
					MnO_2 on fract surfaces cp on fract	3.0	tr					85625	.20	.16	.18	.04	4.63	.01	.20
SYENODIORITE (142' – 228') - non existant to very weak secondary k-feld alt'n	ND	150	20 0-30	1' ¼" 1/10"	highly brecciated w/albite + calcite infill albite-prehnite vein w/ k-feld rim alb veinlets	1.0 0.5	0 0		147	95	40	85626 85627	.08 .04	.05 .03	.25 .06	.02 .02	5.17 4.58	.01 .01	.15 .10
- comp: 50% plag 15% epidote (?) 15% k-feld 15% mafics (biotite+mag) <5% qtz - equigranular (0.5-1.0 mm grain size)	ND	160	? 70 20	1' 1/16" 1/8"	brx-gg hem alb-lim-MnO_2-(chr) chr on fract surfaces MnO_2-(lim) on fract surf.	0.5 0.5	0 0		157	95	13	85628 85629	.04 .03	.02 .02	.04 .06	<.01 <.01	4.58 5.18	<.01 <.01	.10 .05
- no blebs of secondary biotite or mag, although diorite is still magnetic	ND	170	0-20 ?	1/10" 1'	MnO_2-(lim) on fract surf alb veinlets brx-lim-(MnO_2)-(hem)	0.5 0.5	0 0		167	95	17	85630 85631	.03 .06	.01 .06	.06 .05	<.01 .01	4.73 5.02	<.01 <.01	.05 .05

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-107 Page 4 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type	Alt'n	Footage	Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	ASSAY RESULTS: % TCu	% OxCu	g/t Au	% CN Sol Cu	% AS Fe	% CN Sol. Cu in ASR	Estimated Cu Grade
	ND					?	1"	brx-lim-(MnO_2)-(hem)-(chr)	0.5	0			90		85632	.04	.04	.03	.01	4.96	<.01	.05
				180				2' interval of patchy K-feld alt'n	0.5	0	lim-MnO_2 on all fract surf	177		13	85633	.07	.07	.10	.01	4.44	<.01	.05
	ND							MnO_2-(lim) on fract surf	0.5	0			85		85634	.08	.08	.17	.01	5.32	<.01	.05
						?	3"	brx-gg-lim-hem														
				190		20	1/8"	alb vein w/ K-feld rim	0.5	0		187		23	85635	.06	.06	.12	.01	5.04	<.01	.05
	ND					30-40	1/10"-1/8"	veins of K-feld alt'n	0.5	0	lim-MnO_2-(chr) on fract surf		95		85636	.09	.09	.09	.02	4.70	<.01	.08
						50	1"	alb-K-feld														
				200		?	1'	brx-MnO_2-(lim)	0.5	0		197		37	85637	.06	.06	.08	.01	4.40	<.01	.05
	ND								0.5	0			98		85638	.06	.04	.08	.01	4.31	<.01	.05
						30	1/4"	cal-(lim)														
				210		0-10	1/8"	K-feld	0.5	0		207		60	85639	.07	.06	.12	.01	4.86	<.01	.05
patchy K-feld alt'n, some are possibly clasts ∴ may be small interval of INTRUSIVE BRECCIA	ND								0.5	0			98		85640	.11	.10	.14	.01	4.98	<.01	.05
						10	1/8"	hem-gg-(mal)														
				220		30	1/16"	chr on fract	0.5	0		217		37	85641	.26	.26	.28	.03	5.30	<.01	.10
								hem-(alb)														
	ND					60-80	1/10"-1/8"	cal-alb-(prehnite)	0.5	0			95		85642	.10	.09	.13	.01	4.62	<.01	.05
						0-10	1/16"	K-feld-(cal)-(mal)														
				230					0.5	0	lim-MnO_2 on fract surf	227		57	85643	.12	.10	.23	.03	4.46	<.01	.08

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-107 Page 5 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG: Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN Sol Cu in ASR	Estimated Cu Grade
INTRUSION BRECCIA (228' – 577' EOH)																			
-same as above INTRUSION BRECCIA	ND				lim-MnO_2-mal on fract	0.8	0.5	v. weak diss cp (py)		98		85644	.46	.35	.56	.16	4.30	.04	.15
- MAFIC DYKE 372'-380'		240			blebs of biotite (zeolite)				237		37								
					blebs of biotite + mag diss cp (py?) - mal	1.0	1.0					85645	.42	.32	.57	.19	6.62	.04	.30
- AUGITE PORPHYRY DYKE 500' - 516'	ND		20	½"	alb-k-feld-(chr) str chr on fract	0.8	0			95		85646	.44	.36	.56	.04	3.80	.01	.15
		250			lim-MnO_2 on fract ↓ mal	0.5	0		247		13	85647	.54	.39	.35	.07	5.24	.01	.10
	ND		50	½"	cp-(mal) v. weak diss cp (py)	1.0	0.5	infilling of biotite + mag associated w/ cp		95		85648	.28	.24	.25	.09	5.32	.01	.20
		260			diss cp assoc. w/ biotite	1.0	0.5		257		50	85649	.49	.32	.53	.23	4.54	.03	.30
	ND		30	½"	cup on fract surface diss cp alb-biotite-(qtz)-(lim)	1.5	0.5			90		85650	.30	.26	.40	.10	5.64	.01	.45
		270	?	5'	brx-gg-chr-(lim)-(MnO_2)	1.0	0		267		27	85651	.29	.29	.28	.04	5.00	<.01	.20
	ND		?	7'	brx-(gg)-(MnO_2)-(hem)-(chr)	1.0	0	blebs of secondary biotite+mag		75		85652	.22	.22	.20	.03	4.60	<.01	.15
		280			} chr on fractures	1.0	0		277		13	85653	.31	.31	.31	.03	6.00	<.01	.15
	ND		? 30+20	4' ½"×2	brx-gg-MnO_2-(lim)-(chr) alb-(chr)	0.5	0			85		85654	.18	.18	.24	.02	4.02	<.01	.10
		290			MnO_2-lim-(chr) on fract	1.0	0		287		20	85655	.21	.21	.22	.03	4.32	<.01	.10

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page 6 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Footage	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS (Leach Cap, Leachable Ox., Lim. Zone, Supergene) Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% ASFe	% CN sol Cu or A.R.	Estimated Cu Grade
	ND				diss cp + blebs of cp assoc w/ secondary biotite	1.0	0.5	mal on fract surfaces		95	53	85656	.16	.09	.17	.04	4.04	<.01	.45
		300			v. fine grained diss cp } large blebs of calcite + biotite + (cp) infill cup	1.0	tr		297			85657	.23	.14	.21	.07	4.44	.01	.42
	ND				diss + small blebs cp (cup)	0.8	tr	wk. lim-MnO_2 on fract surf		95	43	85658	.21	.06	.18	.04	3.70	.02	.38
		310			v. fine grained diss cp (py?)	1.0	0.5		307			85659	.19	.04	.19	.04	4.02	.02	.32
	ND		/ 20	1/10"	calcite diss cp (py?)	2.0	0.5	MnO_2-(lim) on fract surf		98	30	85660	.21	.14	.23	.08	5.35	.02	.28
		320			} well brecciated with secondary biotite + (chr)	1.5	tr		317			85661	.22	.18	.34	.04	4.58	.01	.18
	ND		40	1/8"	alb-(qtz)	1.0	0			98	50	85662	.24	.12	.24	.09	4.38	.05	.15
		330	/ 30	1/8"	alb-(chr)	1.0	0	MnO_2-(lim) on fract surf	327			85663	.18	.14	.20	.01	3.32	<.01	.18
	ND		20-30	1/10"	chr-(alb) stringers	1.5	0			90	43	85664	.21	.17	.27	.03	5.31	.01	.15
		340	?	2'	brx-gg-MnO_2-lim, chr (lime color)	2.0	0	fault	337			85665	.24	.16	.23	.06	6.42	.02	.20
Syenodiorite w/ no k-feld alt'n [illegible] texture; mafic [illegible] greenish color – possibly chl or [illegible]	ND				} v. well cp mineralized diss + small veinlets; well brecciated w/ biotite + mag + alb + cp	4.5	tr			90	63	85666	.15	.02	.15	.03	5.21	.02	.55
					well brecciated w/ biotite +	4.0	tr		347			85667	.33	.13	.38	.11	5.12	.05	.30

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page 7 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene	Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu on A.R.	Estimated Cu Grade
	ND	360	40	1/2"	blebs of biotite+mag v. fine diss cp (py?) alb-cal-biotite	3.0	0.5			357	98	77	85668	.28	.07	.29	.09	4.00	.04	.28
					blebs of biotite+mag+cp	2.5	0.5						85669	.24	.02	.29	.04	6.37	.02	.35
	ND	370	30 40	1/2" 1/4"	qtz-(cal) alb-cal-biotite-mag mag zone str. diss cp	10.0	0.5			367	98	63	85670	.34	.04	.40	.06	11.8	.03	.60
					alb+biotite+cp infill	15.0	0.5						85671	.62	.04	1.02	.07	11.4	.03	.75
MAFIC/DYKE - no Cu mineralization - very fine grained - magnetic - 30° (to core axis) contacts	ND	380	0-30	1/16"x4	cp assoc w/ biotite/mag cal stringers	4.0	tr			377	95	67	85672	.17	<.01	.18	.01	5.14	<.01	.20
						3.0	0						85673	.01	<.01	.02	<.01	5.23	<.01	.05
	ND	390	40 30 20	1/8"-1/2" 1/16" 1/2"	cp-biotite-(mag) diss cp lim-MnO_2-mal diss cp vuggy qtz-lim-cal	2.0	tr		lim on fract surfaces	387	98	63	85674	.29	.03	.30	.06	3.46	.03	.35
						1.5	0						85675	.29	.16	.32	.09	5.64	.04	.28
	ND	400	? 80 ?	1" 2" 8"	mag-(cup) diss cp (cup) mag-(cup) diss cp mag-diss cp cup	18.0	0		lim-MnO_2-(mal) on fract surf	397	95	63	85676	.25	.14	.31	.15	14.0	.04	.40
						6.0	tr		lim-(MnO_2) on fract surf				85677	.30	.09	.37	.07	7.36	.04	.35
	ND	410	20 20	1/8" 1"	alb-chr-(cp) lim-MnO_2-cup mag-cup-(cp)	4.0	0			407	98	73	85678	.30	.17	.36	.13	6.88	.05	.45
					weak diss cp-cup cup	3.0	0.5		weak lim.				85679	.39	.14	.46	.25	6.40	.13	.30

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-107 Page 8 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Rx type / Alt. / Footage / Structure	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% Cu soil Cu	% AsFe	% Cu soil Cu on A.R	Estimated Cu Grade
	ND	420	50 10 40 50	1/8" 1/10" 1/8" 1/8"	weak diss cp mag lim-cup on fract surf cal alb diss cp cal-mal	2.0 1.5	0 0		417	98	77	85680	.36	.05	.61	.09	5.93	.06	.25
												85681	.29	.06	.39	.09	4.55	.05	.22
FAULT	ND	430	30 60x2	1/4" 1/8"x2	alb-cal-mal diss cp gg-hem	2.0 1.0	0 0	lim-(MnO_2) throughout interval w/ (cup) well brecciated w/lim-(MnO_2)-(chr)	427	98	67	85682	.31	.05	.44	.06	5.20	.02	.30
												85683	.28	.15	.51	.06	4.38	.03	.20
FAULT	ND	440	?	3'	diss cp lim-MnO_2-mal-cup on fracture surf brx-gg-lim-mal-cup diss cp	1.0 1.0	0 0		437	95	53	85684	.30	.12	.37	.07	4.28	.02	.28
												85685	.34	.12	.35	.09	3.60	.04	.35
	ND	450	?	5'	diss cp brx-gg-lim-MnO_2-mal	1.5 1.0	0 0	well brecciated	447	90	43	85686	.29	.02	.37	.02	3.10	.01	.40
												85687	.43	.17	.69	.17	2.14	.10	.25
FAULT	ND	460	?	7'	brx-gg-lim-MnO_2 large blebs + diss cp	0.5 8.0	0 0		457	75	27	85688	.26	.19	.36	.02	3.69	.02	.20
												85689	.36	.09	.31	.03	3.14	.02	.65
	ND	470			diss cp diss cp large bleb of cp	6.0 5.0	0 tr	well brecciated w/alb+cal+biotite+kfeld infill	467	90	57	85690	.23	.07	.28	.08	3.68	.04	.50
												85691	.39	.07	.37	.06	4.77	.04	.62

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG

Hole No. 94-107 Page 9 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG (Alt. / Min. / Structure)	Footage	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	Sample Number	% TCu	% OxCu	g/t Au	% CN Sol. Cu	% ASR	% CN Sol. Cu in ASR	Estimated Cu Grade
	ND		480			intense k-feld alt'n w/ low Cu mineralization	0.5	0	MnO_2-(lim)-(chr) on fract surf	477	90	47	85692	.13	.09	.18	.02	2.48	.01	.10
						diss cp	0.5	0					85693	.20	.12	.36	.05	2.24	.01	.18
	ND		490	/ 20	¼"	qtz-(alb)-cp large cp blebs weak diss cp (py) diss + veinlets cp	0.5	tr		487	95	63	85694	.36	.06	.41	.09	2.64	.06	.28
						alb-k-feld-qtz infill	2.0	0	MnO_2-lim-chr on fract surf				85695	.22	.09	.33	.05	3.12	.02	.25
	ND					k-feld + alb flooding	0.5	0	MnO_2-lim-(chr) on fract surf	497	95	33	85696	.25	.17	.43	.02	4.09	.01	.10
						k-feld + alb (chr) flooding	1.0	0					85697	.29	.21	.55	.01	4.31	.01	.18
FAULT			500	?	2'	brx-gg-hem														
AUGITE PORPHYRY DYKE -no Cu mineralization	ND			?	2'	brx-gg-hem	0.5	0		507	90	38	85698	.08	.03	.03	<.01	4.88	<.01	.05
				/ 20	¼"	qtz							85699	.02	.01	.01	<.01	4.71	<.01	.05
			510	?	1'	brx-(gg)-(MnO_2)-(lim)	0.5	0												
	ND			?	1'	brx-MnO_2-(lim)	0.5	0		517	90	17	85700	.04	.02	.02	<.01	4.94	<.01	.05
				?	1'	brx-MnO_2-lim-(chr)	1.0	0	str MnO_2-lim-chr on fract surf				85701	.24	.15	.43	.02	6.24	.01	.25
			520			diss cp														
	ND					diss cp	5.0	0		527	95	57	85702	.25	.06	.46	.08	5.00	.04	.32
				/ 50 70	1/16" 1/8"	diss + veinlets cp cp							85703	.22	.01	.30	.02	4.59	.01	.18
			530			alb-k-feld-biotite-(cp) lim-MnO_2-chr on fract surfaces	5.0	0												

GIBRALTAR MINES LIMITED (MOUNT POLLEY PROPERTY) DIAMOND DRILL LOG Hole No. 94-107 Page 10 of 10

ROCK TYPES and ALTERATION	Foliation angle and intensity	GRAPHIC LOG Bt type / Attn. / Footage / Structure direction	Structure (veins) < to core axis	Width of Structure (veins)	Mineralization	Est. % Mag	Est. % Py	BOTTOM DEPTHS: Leach Cap / Leachable Ox. / Lim. Zone / Supergene — Remarks	Footage Blocks	Estimated Core Recovery %	R.Q.D.	ASSAY RESULTS: Sample Number	% TCu	% OxCu	g/t Au	% CN Sol Cu	% AsFe	% CN Sol Cu in AsR	Estimated Cu Grade
	ND	540	40	1/2"	cal-ep-(qtz)-(K feld)-(cp) diss cp	4.0	0		537	98	67	85704	.15	.01	.20	.01	5.59	.01	.28
			10	1/8"	cal diss cp (py)	5.0	0.5	weak lim-MnO_2 on Fractures				85705	.13	.03	.17	.03	5.37	.02	.18
			30	1/8"	cal-(lim). Native Cu														
	ND	550	50	1/10"	cal weak diss cp	1.0	0		547	98	70	85706	.11	.01	.16	.02	5.70	.01	.15
			60	1/8"	weak diss cp cal	2.0	0					85707	.11	<.01	.17	.01	4.68	<.01	.15
	ND	560	0-70	hrln	many hairline veins of cal throughout interval weak diss cp	6.0	0		557	98	57	85708	.05	<.01	.06	.01	4.95	<.01	.15
			50+20	1/10" x 2	cal-cp	2.0	0					85709	.11	<.01	.23	.01	3.98	<.01	.18
	ND	570	20	1/8"	cal	1.0	0		567	90	17	85710	.07	.03	.11	.01	4.40	.01	.12
FAULT			?	5'	brx-gg-lim-MnO_2	0.5	0			30		85711	.07	.05	.14	<.01	4.84	<.01	.08
	ND	577	?	7'	brx-gg-lim-MnO_2	0.5	0		572	50	—	85712	.10	.07	.12	.01	3.83	.01	.08
								E.O.H. 577'	577			↓							
								Murray Rydman											

APPENDIX II

Analytical Data

Form. No. Mill - 1

94-1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 27. JUNE ....., 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN sol. Cu % MoS2	% A.S. Fe	CN sol. Cu on Ox. Res.	Au g/T Ag
95001	.10	.19	.02	6.24	.02	–
02	.08	.12	.01	5.67	.01	–
03	.11	.14	.02	5.67	.01	–
04	.11	.16	.01	5.88	.01	–
05	.15	.19	.01	5.96	<.01	–
06	.15	.23	.01	6.40	.01	–
07	.15	.19	.01	5.56	.01	–
08	.16	.22	.02	5.46	.01	–
09	.21	.29	.02	4.38	.01	–
10	.09	.19	.03	5.60	.02	–
11	.07	.12	.01	5.19	.01	–
12	.10	.15	.01	4.97	.01	–
13	.05	.10	.01	5.36	.01	–
14	.06	.10	.01	4.17	<.01	–
15	.14	.18	.02	4.35	.01	–
16	.12	.17	.02	4.20	.01	–
17	.13	.18	.04	4.45	.02	–
18	.12	.16	.02	5.07	.01	–
19	.13	.17	.02	5.36	.01	–
20	.09	.15	.01	5.68	.01	–
21	.23	.32	.05	5.43	.02	–
22	.07	.12	.02	4.56	.01	–
23	.24	.34	.06	5.55	.02	–
24	.33	.46	.09	5.84	.04	–
25	.29	.55	.16	5.12	.10	–
26	.41	.74	.33	5.16	.22	–
27	.20	1.21	.52	4.42	.39	–
28	.27	1.39	.58	4.70	.40	–

cc: Assay Lab.

Assayer .....

orm. No. Mill - 1

74-101

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 29. JUNE., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN sol. Cu ~~% MoS2~~	% A.S. Fe	CN sol. Cu on Ox. Res.	g/T Ag
85029	.29	.39	.07	3.02	.02	—
30	.88	1.04	.12	4.25	.03	—
31	.47	.57	.04	4.18	.02	—
32	.20	.59	.22	5.05	.15	—
33	.23	.31	.04	5.09	.02	—
34	.21	.27	.03	4.60	.01	—
35	.10	.13	.01	3.54	.01	—
36	.23	.34	.08	3.97	.04	—
37	.05	.36	.05	4.30	.03	—
38	.05	.09	.01	3.69	<.01	—
39	.02	.06	<.01	2.98	<.01	—
40	.04	.08	.01	2.22	<.01	—
41	.03	.04	<.01	2.32	<.01	—
42	.02	.04	<.01	1.73	<.01	—
43	.06	.08	.01	2.60	<.01	—
44	.14	.18	.01	2.76	<.01	—
45	.06	.10	.01	3.91	<.01	—
46	.04	.08	.01	2.44	<.01	—
47	.89	1.14	.47	2.80	.16	—
48	.26	.51	.24	3.84	.13	—
49	.29	.44	.12	4.26	.06	—
50	.23	.51	.18	2.85	.10	—
51	.07	.86	.15	3.14	.10	—
52	.06	3.63	.44	4.49	.41	—
53	.34	.76	.21	3.69	.11	—
54	.36	40	.02	3.38	.01	—
55	.35	.71	.17	4.14	.11	—
56	.26	.44	.13	4.47	.08	—

cc: Assay Lab.

Assayer .....

orm. No. Mill - 1

94-101

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date ..... 30 JUNE, 1994

Sample No.	% Ox. Cu.	Total Cu.	CN sol. Cu % Mod.	% A.S. Fe	CN sol. Cu on Ox. Res.	g/T Ag
85057	.13	31	.01	6.93	.03	—
58	.15	.27	.06	6.98	.03	—
59	.19	.23	.04	6.25	.02	—
60	.18	.26	.04	4.62	.03	—
61	.09	.14	.01	3.32	.01	—
62	.05	.08	.01	3.86	.01	—
63	.11	.15	.02	4.70	.01	—
64	.08	.24	.07	5.44	.04	—
65	.02	.23	.03	5.20	.03	—
66	.15	.27	.01	5.03	.02	—
67	.22	.29	.02	5.30	.02	—
68	.11	.31	.04	4.81	.03	—
69	.02	.23	.02	5.03	.01	—
70	.01	.21	.02	5.12	.01	—
71	.02	.15	.04	4.43	.03	—
72	.01	.14	.01	5.45	<.01	—
73	.03	.15	.02	3.17	.01	—
74	.06	.11	.02	2.99	.01	—
75	.10	.13	.01	3.11	.01	—
76	.14	.34	.09	5.20	.06	—
77	.02	.12	.02	3.89	.01	—
78	<.01	.12	<.01	2.42	<.01	—
79	<.01	.14	<.01	5.25	<.01	—
80	<.01	.15	.01	4.34	.01	—
81	<.01	.24	<.01	3.87	.01	—
82	<.01	.12	<.01	4.61	<.01	—
83	<.01	.11	<.01	4.26	<.01	—
84	<.01	.13	.01	5.29	<.01	—

cc: Assay Lab.

Assayer .....

Form. No. Mill - 1

94-101

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION

Date ....., 19.....

Sample No.	% Ox. Cu.	Total Cu.	CN sol. Cu ~~% MoS2~~	% A.S. Fe	CN sol. Cu on Ox. Res.	g/T Ag
85085	<.01	.03	.01	4.03	<.01	—
86	<.01	.03	<.01	3.62	<.01	—
87	.04	.14	<.01	4.57	.01	—
88	<.01	.15	<.01	4.01	<.01	—
89	<.01	.11	<.01	4.32	.01	—
90	<.01	.13	<.01	5.37	.01	—
91	<.01	.22	.01	7.28	<.01	—
92	<.01	.15	<.01	6.83	<.01	—
93	.01	.42	.02	3.82	.01	—
94	.01	.23	.01	3.47	<.01	—
95	.01	.34	.03	4.99	.01	—
96	.01	.46	.02	3.13	.01	—
97	.01	.30	.02	3.66	.01	—
98	.01	.62	.03	4.07	.01	—
99	.01	.25	.01	4.07	<.01	—
85100	<.01	.25	.01	7.30	.01	—
01	<.01	.17	.01	6.15	<.01	—
02	<.01	.33	.01	4.65	<.01	—
03	<.01	.22	<.01	3.94	.01	—
04	<.01	.25	<.01	4.23	.01	—
05	<.01	.14	.01	3.20	<.01	—
06	.01	.18	.02	4.17	.01	—
07	<.01	.12	.01	4.97	.01	—
08	<.01	.15	.01	4.15	.01	—
09	<.01	.15	<.01	3.56	<.01	—
10	<.01	.04	<.01	3.80	<.01	—
11	<.01	.08	.01	3.94	.01	—
12	<.01	.07	.01	4.05	.01	—
13	<.01	.07	.01	4.61	<.01	—
14	<.01	.06	<.01	4.33	<.01	—
15	<.01	.06	.01	2.50	<.01	—
16	<.01	.07	.01	3.56	<.01	—

cc: Assay Lab.

Assayer .....

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA1

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-02-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 226 pulp samples submitted JUL-28-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85001	.14	.004		
85002	.05	.001		
85003	.07	.002		
85004	.07	.002	.08	.002
85005	.10	.003		
85006	.14	.004		
85007	.11	.003		
85008	.15	.004		
85009	.27	.008		
85010	.27	.008	.27	.008
85011	.13	.004		
85012	.15	.004		
85013	.29	.008		
85014	.14	.004		
85015	.24	.007		
85016	.20	.006		
85017	.26	.008		
85018	.19	.006		
85019	.23	.007	.26	.008
85020	.22	.006		
85021	.46	.013		
85022	.16	.005		
85023	.39	.011		
85024	.48	.014		
STD	.26	.008		
BLK	.01	.001		

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA2

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-02-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 226 pulp samples submitted JUL-28-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85025	.62	.018		
85026	1.04	.030	.96	.028
85027	1.52	.044	1.44	.042
85028	1.91	.056		
85029	.81	.024		
85030	2.93	.085		
85031	1.22	.036		
85032	.82	.024		
85033	.46	.013		
85034	.36	.011		
85035	.13	.004		
85036	.33	.010		
85037	.49	.014		
85038	.13	.004		
85039	.06	.002		
85040	.11	.003		
85041	.05	.001		
85042	.04	.001		
85043	.12	.004		
85044	.28	.008		
85045	.24	.007		
85046	.16	.005		
85047	2.40	.070	2.08	.061
85048	.68	.020		
STD	.27	.008		
BLK	.01	.001		

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA3

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85049	.74	.022		
85050	.97	.028		
85051	2.02	.059	1.90	.055
85052	12.01	.350	11.18	.326
85053	1.31	.038		
85054	.53	.015		
85055	.73	.021		
85056	.38	.011		
85057	.24	.007		
85058	.23	.007		
85059	.30	.009		
85060	.38	.011		
85061	.19	.006		
85062	.11	.003		
85063	.24	.007		
85064	.27	.008		
85065	.24	.007		
85066	.31	.009		
85067	.66	.019	.62	.018
85068	.54	.016		
85069	.33	.010		
85070	.41	.012		
85071	.26	.008		
85072	.23	.007		
STD	.26	.008		
BLK	.01	.001		

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA4

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85073	.27	.008		
85074	.19	.006		
85075	.19	.006		
85076	.63	.018		
85077	.18	.005		
85078	.17	.005		
85079	.24	.007	.26	.008
85080	.20	.006		
85081	.51	.015		
85082	.21	.006		
85083	.17	.005		
85084	.21	.006		
85085	.08	.002		
85086	.16	.005		
85087	.32	.009		
85088	.37	.011		
85089	.23	.007		
85090	.31	.009		
85091	.58	.017	.55	.016
85092	.46	.013		
85093	.53	.015		
85094	.41	.012		
85095	.52	.015		
85096	.82	.024	.79	.023
STD	.25	.007		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

94-101

4V-0722-RA5

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85097	.48	.014		
85098	.85	.025	.87	.025
85099	.41	.012		
85100	.40	.012		
85101	.24	.007		
85102	.41	.012		
85103	.30	.009		
85104	.42	.012		
85105	.25	.007		
85106	.23	.007		
85107	.20	.006		
85108	.23	.007		
85109	.11	.003		
85110	.06	.002		
85111	.11	.003		
85112	.08	.002		
85113	.11	.003		
85114	.11	.003		
85115	.08	.002		
85116	.09	.003		
85117	.41	.012		
85118	.92	.027	.97	.028
85119	.24	.007		
85120	.67	.020	.72	.021
STD	.25	.007		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

Form No. Mill - 1

94-102

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 13 JULY ..., 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu ~~% Mo6~~	A.S. Fe	CN^- sol. Cu on Acid Res.	
35117	.12	.15	.03	5.26	.01	—
18	.19	.24	.04	7.45	.01	—
19	.06	.07	.01	5.38	<.01	—
20	.27	.29	.14	12.8	.01	—
21	.35	.52	.21	15.1	.06	—
22	.24	.34	.10	7.60	.04	—
23	.16	.40	.17	8.45	.08	—
24	.12	.28	.10	8.48	.03	—
25	.05	.20	.05	6.94	.02	—
26	.29	.39	.18	8.50	.04	—
27	.09	.15	.07	5.40	.04	—
28	.04	.13	.03	4.08	.02	—
29	.09	.16	.05	3.89	.02	—
30	.11	.36	.16	3.91	.09	—
31	.10	.39	.19	4.15	.13	—
32	.08	.50	.16	4.80	.09	—
33	.26	.46	.21	3.84	.06	—
34	.16	.29	.13	5.24	.05	—
35	.08	.14	.03	4.75	.01	—
36	.07	.20	.06	5.75	.03	—
37	.05	.23	.05	4.88	.02	—
38	.14	.33	.08	5.47	.03	—
39	.10	.27	.06	3.28	.02	—
40	.06	.27	.09	4.05	.05	—
41	.05	.40	.07	3.27	.03	—
42	.02	.14	.03	3.88	.02	—
43	.01	.16	.03	3.44	.02	—
44	.16	.28	.10	3.81	.04	—

c: Assay Lab.

Assayer ... D.A.W .....

. orm. No. Mill - 1

94-102

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 14. JULY., 19.94..

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu ~~% MoS~~	A.S. Fe	CN^- sol. Cu on Acid Res.	
85145	.05	.46	.12	4.05	.06	—
46	.03	.43	.05	4.50	.03	—
47	<.01	.02	.01	4.92	<.01	—
48	.01	.21	.01	4.54	.01	—
49	.02	.27	.04	4.29	.02	—
50	.02	.15	.03	4.12	.01	—
51	.01	.09	.01	3.26	<.01	—
52	<.01	.01	<.01	3.52	<.01	—
53	.01	.04	<.01	2.21	<.01	—
54	.02	.09	.01	3.86	<.01	—
55	<.01	.23	.01	5.34	<.01	—
56	.04	.35	.05	5.87	.03	—
57	.01	.44	.02	5.56	.01	—
58	.01	.30	.04	5.03	.02	—
59	.02	.21	.05	5.02	.02	—
60	.03	.39	.08	5.54	.04	—
61	.01	.33	.02	3.81	.01	—
62	.01	.20	.03	4.51	.01	—
63	.06	.41	.12	6.37	.06	—
64	.08	.57	.19	6.80	.09	—
65	.11	.60	.24	5.88	.12	—
66	.01	.04	.01	3.15	.01	—
67	.01	.07	.01	3.02	.01	—
68	.01	.18	.03	2.70	.01	—
69	.02	.16	.03	2.70	.01	—
70	.02	.31	.04	3.38	.02	—
71	.01	.13	.02	2.32	.01	—
72	.01	.06	.01	3.30	.01	—

cc: Assay Lab.

Assayer ..... D. A. W. .....

Form No. Mill - 1

94-102

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 18 JULY ..., 1994

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu ~~% MoS~~	A.S. Fe	CN^- sol. Cu on Acid Res.	
85173	.01	.08	.02	4.14	.01	—
74	.01	.07	.03	4.52	.02	—
75	<.01	.03	.01	4.53	.01	—
76	.04	.51	.09	4.78	.05	—
77	.04	.20	.07	4.65	.04	/
78	.03	.18	.05	4.47	.03	—
79	.01	.22	.02	5.88	.01	—
80	.01	.43	.02	5.33	.01	—
81	.01	.24	.03	5.08	.01	—
82	.01	.20	.02	5.62	.01	—
83	.02	.48	.06	5.45	.03	—
84	.01	.20	.04	4.41	.02	/
85	.02	.32	.07	4.20	.04	—
86	.01	.25	.03	4.45	.02	—
87	.02	.27	.05	3.80	.03	—
88	.02	.28	.06	4.65	.03	—
89	.04	.34	.11	5.14	.06	/
90	.04	.26	.10	5.55	.05	/
91	.04	.38	.10	5.86	.05	—
92	.02	.23	.07	5.34	.03	—
93	.01	.04	.02	3.60	.01	/
94	.01	.02	.01	1.56	<.01	/
95	.01	.03	.01	1.86	<.01	—
96	.01	.05	.01	2.55	.01	/
97	.04	.19	.10	5.21	.05	/
98	.02	.24	.07	3.91	.04	/
99	.02	.29	.05	5.28	.02	/
85200	.04	.61	.09	5.14	.05	/

c: Assay Lab.

Assayer ... D.A.W.

. orm. No. Mill - 1

94-102

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 20 JULY ..., 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85201	.04	.56	.08	7.09	.05	—
02	.03	.41	.06	6.47	.04	—
03	.06	.37	.15	4.49	.09	94-102
04	.06	.42	.14	7.08	.08	—
05	.02	.21	.05	3.92	.03	—
06	.03	.15	.04	3.74	.03	—
07	.02	.03	.02	3.78	.01	—
08	.01	.03	.01	3.43	.01	—
09	<.01	.03	.01	2.12	.01	—
10	<.01	.03	.01	1.93	.01	—
11	.01	.06	.02	2.15	.02	—
12	<.01	.04	.01	2.11	.01	—
13	.02	.06	.03	1.83	.02	—
14	.01	.04	.01	1.91	.01	—
15	.02	.07	.03	1.87	.03	—
16	.02	.05	.03	2.32	.02	—
17	.02	.07	.03	2.23	.02	—
18	.02	.14	.06	1.89	.04	—
19	.01	.07	.03	1.99	.02	—
20	.02	.18	.05	1.84	.04	—
21	.01	.08	.02	1.72	.01	—
22	<.01	.01	<.01	4.08	<.01	—
23	<.01	.03	<.01	2.62	<.01	—
24	<.01	.04	<.01	1.83	<.01	—
25	<.01	.05	<.01	1.90	<.01	—
26	<.01	.02	<.01	2.23	<.01	—
85601	.22	23	.03	5.20	.01	
02	.20	.20	.03	3.05	<.01	

cc: Assay Lab.

Assayer ..D.A.W.....

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA5

94-102

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton	
85097	.48	.014			
85098	.85	.025	.87	.025	
85099	.41	.012			
85100	.40	.012			
85101	.24	.007			
85102	.41	.012			
85103	.30	.009			
85104	.42	.012			
85105	.25	.007			94-101
85106	.23	.007			
85107	.20	.006			
85108	.23	.007			
85109	.11	.003			
85110	.06	.002			
85111	.11	.003			
85112	.08	.002			
85113	.11	.003			
85114	.11	.003			
85115	.08	.002			
85116	.09	.003			
85117	.41	.012			↑
85118	.92	.027	.97	.028	94-102
85119	.24	.007			
85120	.67	.020	.72	.021	↓
STD	.25	.007			
BLK	.01	.001			

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA6

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85121	1.40	.041	1.52	.044
85122	.94	.027		
85123	.69	.020		
85124	.77	.022		
85125	.31	.009		
85126	1.15	.034	1.21	.035
85127	.20	.006		
85128	.32	.009		
85129	.35	.010		
85130	.81	.024		
85131	.93	.027		
85132	1.24	.036	1.22	.036
85133	1.22	.036		
85134	.60	.018		
85135	.31	.009		
85136	.83	.024		
85137	.41	.012		
85138	.68	.020		
85139	.46	.013		
85140	.50	.015		
85141	.65	.019		
85142	.25	.007		
85143	.26	.008		
85144	.68	.020		
STD	.26	.008		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

74-102

4V-0722-RA7

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85145	.77	.022		
85146	1.03	.030	1.00	.029
85147	.02	.001		
85148	.28	.008		
85149	.59	.017		
85150	.38	.011		
85151	.22	.006		
85152	.06	.002		
85153	.04	.001		
85154	.20	.006		
85155	.83	.024		
85156	1.17	.034		
85157	1.45	.042	1.41	.041
85158	.68	.020		
85159	.65	.019		
85160	.79	.023		
85161	.68	.020		
85162	.41	.012		
85163	.85	.025		
85164	1.53	.045		
85165	1.66	.048	1.68	.049
85166	.08	.002		
85167	.14	.004		
85168	.35	.010		
STD	.25	.007		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0722-RA8

14-02

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85169	.29	.008		
85170	.55	.016		
85171	.21	.006		
85172	.12	.004		
85173	.16	.005		
85174	.17	.005		
85175	.06	.002		
85176	1.01	.029	1.06	.031
85177	.44	.013		
85178	.37	.011		
85179	.38	.011		
85180	.68	.020		
85181	.49	.014		
85182	.40	.012		
85183	1.08	.032	1.11	.032
85184	.49	.014		
85185	.71	.021		
85186	.53	.015		
85187	.60	.018		
85188	.50	.015		
85189	.77	.022		
85190	.53	.015		
85191	.75	.022		
85192	.48	.014	.51	.015
STD	.25	.007		
BLK	.01	.001		

Certified by _____

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-102

Assay Certificate

4V-0722-RA9

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-03-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85193	.09	.003		
85194	.04	.001		
85195	.08	.002		
85196	.07	.002		
85197	.35	.010	.32	.009
85198	.49	.014		
85199	.47	.014		
85200	.84	.025		
85201	.97	.028	.92	.027
85202	.83	.024		
85203	.74	.022	.71	.021
85204	.58	.017		
85205	.32	.009		
85206	.21	.006		
85207	.01	.001		
85208	.02	.001		
85209	.03	.001		
85210	.03	.001		
85211	.09	.003		
85212	.04	.001		
85213	.04	.001		
85214	.05	.001		
85215	.11	.003		
85216	.07	.002		
BLK	.25	.007		
STD	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-102

Assay Certificate

4V-0722-RA10

Company: **GIBRALTAR MINES LTD.**
Project:
Attn: Ron Graden

Date: AUG-04-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 10 pulp samples submitted JUL-28-94 by R. Graden.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85217	.08	.002		
85218	.22	.006		
85219	.07	.002		
85220	.29	.008	.31	.009
85221	.11	.003		
85222	.02	.001		
85223	.03	.001		
85224	.06	.002		
85225	.06	.002		
85226	.02	.001		
STD	.27	.008		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

94-103

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ....8...AUG...., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
85940	.01	.15	.03	3.27	.01	
41	.04	.57	.14	3.85	.06	94-105
42	.07	.57	.20	3.66	.10	
43	.03	.28	.08	4.39	.04	
85229	.16	.18	.03	3.24	<.01	
30	.14	.16	.02	3.21	<.01	
31	.14	.20	.06	2.86	.02	
32	.14	.18	.03	4.22	.01	
33	.04	.08	.01	4.36	<.01	
34	.09	.12	.01	4.84	<.01	
35	.14	.17	.01	4.84	<.01	
36	.17	.21	.02	5.63	<.01	
37	.20	.22	.02	4.33	<.01	
38	.20	.23	.02	4.44	<.01	94-103
39	.20	.23	.02	3.75	<.01	
40	.25	.29	.02	5.02	<.01	
41	.34	.42	.05	4.65	.01	
42	.11	.16	.02	3.98	.01	
43	.04	.11	.03	3.16	.01	
44	.06	.14	.05	2.98	.02	
45	.07	.12	.03	4.28	.01	
46	.03	.13	.03	2.76	.02	
47	.03	.11	.04	3.71	.02	
48	.03	.13	.04	3.62	.02	
49	.11	.27	.12	4.46	.05	
50	.20	.43	.24	4.13	.10	
51	.06	.27	.11	4.23	.06	
52	.14	.38	.13	5.56	.06	

c: Assay Lab.

Assayer ...D.A.W.....

Form. No. Mill - 1

94-103

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date Aug 08 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS₂~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.
85253	.18	.22	.03	6.27	.01
54	.26	.29	.05	9.60	<.01
55	.23	.27	.09	11.72	.01
56	.13	.27	.11	7.62	.05
57	.08	.27	.11	6.91	.05
58	.15	.28	.14	5.58	.04
59	.05	.23	.08	6.16	.04
60	.22	.40	.17	8.38	.07
61	.15	.17	.03	5.15	<.01
62	.24	.28	.05	8.84	<.01
63	.28	.44	.19	7.05	.07
64	.31	.36	.13	6.47	.02
65	.01	.02	.01	4.06	<.01
66	.01	.02	.01	3.87	<.01
67	.01	.02	.01	4.07	<.01
68	.01	.02	.01	4.49	<.01
69	.01	.03	.01	4.33	<.01
70	.01	.02	.01	3.45	<.01
71	.01	.02	.01	3.90	<.01
72	.01	.02	.01	4.06	<.01
73	.01	.02	.01	3.77	<.01
74	.01	.02	.01	4.28	<.01
75	.03	.04	.01	4.80	<.01
76	.16	.30	.08	4.69	.03
77	.02	.44	.03	4.73	.01
78	.19	.48	.13	5.91	.05
79	.01	.27	.02	4.99	.01
80	.02	.29	.03	6.13	.02

cc: Assay Lab.

Assayer

Form. No. Mill - 1

94-103

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 8...AUG...., 1994.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
B5281	.09	.24	.08	5.22	.04	
82	.22	.35	.09	5.86	.05	
83	.21	.26	.03	5.80	<.01	
84	.15	.19	.01	5.50	<.01	
85	.14	.16	.01	4.43	<.01	
86	.02	.03	<.01	4.57	<.01	
87	.23	.27	.01	5.62	.01	
88	.17	.20	.01	5.02	<.01	
89	.11	.15	.01	6.00	<.01	
90	.11	.14	.01	4.68	<.01	
91	.11	.15	.01	2.59	<.01	
92	.15	.19	.01	4.16	<.01	
93	.02	.37	.03	4.72	.02	
94	.02	.16	.02	3.45	.01	
95	.02	.13	.02	3.41	.02	
96	.14	.18	.01	4.41	.01	
97	.10	.14	.02	3.65	.01	
98	.01	.14	.01	4.03	.01	
99	.01	.17	.02	4.10	.01	
B5300	.02	.19	.01	4.16	.01	
01	.04	.17	.01	3.63	.01	
02	.01	.24	.01	4.43	.01	
03	.01	.11	.02	3.51	.01	
04	.01	.10	.03	2.83	.01	
05	.05	.13	.03	4.00	.02	
06	.03	.08	.01	4.46	.01	
07	.02	.12	.01	3.47	<.01	
08	.02	.14	.02	4.10	.01	

cc: Assay Lab.

Assayer J. A. L.

Form. No. Mill - 1

94-103

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date .....9.....AUG...., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.
85309	.01	23	.02	4.62	.01
10	.01	.24	.02	5.47	.01
11	.03	.07	.01	4.80	<.01
12	.10	.13	.01	4.84	<.01
13	.07	.16	.01	5.79	<.01
14	.03	.10	.03	4.61	.01
15	.01	.15	.01	2.91	.01
16	<.01	.13	<.01	4.12	<.01
17	.01	.07	.01	4.79	.01
18	.01	.12	.01	4.39	.01
19	.01	.29	.01	3.64	.01
20	<.01	.20	.01	3.93	<.01
21	.01	.20	.01	3.78	.01
22	.01	.20	.02	3.56	.01
23	.01	.18	.01	4.33	.01
24	.01	.30	.03	5.00	.01
25	.01	.20	.01	6.07	.01
26	.01	.12	.01	6.57	.01
27	.01	.13	.02	4.82	.01
28	.01	.18	.03	5.33	.01
29	.01	.11	<.01	3.75	<.01
30	.01	.08	.01	2.88	<.01
31	<.01	.07	<.01	5.18	<.01
32	.01	.11	.02	4.40	.01
33	.01	.07	.02	3.54	.01
34	<.01	.03	.01	3.10	<.01
35	.01	.04	.01	3.33	.01
36	.01	.07	.02	3.90	.01

cc: Assay Lab.

Assayer D. A. [illegible]

Form. No. Mill - 1

94-103

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 9...AUG..... 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu ~~% MoS~~	A.S. Fe	CN^- sol. Cu on Acid Res.	
85337	.01	.06	.02	4.15	.01	
38	<.01	.04	.01	4.58	<.01	
39	<.01	.13	<.01	3.29	<.01	
40	.01	.24	.01	4.88	<.01	
41	<.01	.12	<.01	1.67	<.01	
42	<.01	.12	<.01	3.09	<.01	
43	.01	.20	.01	3.45	<.01	
44	.01	.17	.02	3.54	.01	
45	.01	.33	.01	3.76	.01	
46	.01	.08	.02	1.87	.01	
47	.01	.10	.01	1.98	.01	

c: Assay Lab.

Assayer D. A. L.

MINERAL • ENVIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

94-103

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA6

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85941	.75	.022	.72	.021
85942	.60	.018		
85943	.41	.012		
85229	.21	.006		
85230	.23	.007		
85231	.21	.006		
85232	.28	.008		
85233	.09	.003		
85234	.18	.005		
85235	.19	.006		
85236	.24	.007		
85237	.34	.010		
85238	.31	.009		
85239	.37	.011		
85240	.50	.015		
85241	.64	.019	.59	.017
85242	.25	.007		
85243	.17	.005		
85244	.26	.008		
85245	.25	.007		
85246	.18	.005		
85247	.18	.005		
85248	.22	.006		
85249	.51	.015	.49	.014
STD	.26	.008		
BLK	.01	.001		

94-103

Certified by _____

MIN-EN LABORATORIES

MINERAL • ENVIRONMENTS LABORATORIES
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-103

Assay Certificate

4V-0835-RA7

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85250	.64	.019		
85251	.53	.015		
85252	.70	.020	.75	.022
85253	.59	.017		
85254	.71	.021		
85255	.43	.013		
85256	.52	.015		
85257	.65	.019		
85258	.48	.014		
85259	.70	.020	.72	.021
85260	.46	.013		
85261	.38	.011		
85262	.50	.015		
85263	.82	.024	.78	.023
85264	.68	.020		
85265	.01	.001		
85266	.08	.002		
85267	.01	.001		
85268	.01	.001		
85269	.01	.001		
85270	.01	.001		
85271	.01	.001		
85272	.01	.001		
85273	.01	.001		
STD	.25	.007		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-103

Assay Certificate

4V-0835-RA8

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85274	.01	.001		
85275	.03	.001		
85276	.51	.015		
85277	.76	.022	.80	.023
85278	.60	.018		
85279	.53	.015		
85280	.61	.018		
85281	.51	.015		
85282	.64	.019		
85283	.57	.017		
85284	.24	.007		
85285	.26	.008		
85286	.03	.001		
85287	.34	.010		
85288	.27	.008		
85289	.23	.007		
85290	.26	.008	.26	.008
85291	.16	.005		
85292	.23	.007		
85293	.56	.016	.54	.016
85294	.25	.007		
85295	.24	.007		
85296	.23	.007		
85297	.20	.006		
STD	.24	.007		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-103

Assay Certificate

4V-0835-RA9

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85298	.14	.004		
85299	.27	.008		
85300	.27	.008		
85301	.22	.006		
85302	.54	.016	.71	.021
85303	.20	.006	.20	.006
85304	.19	.006		
85305	.19	.006		
85306	.11	.003		
85307	.12	.004		
85308	.15	.004		
85309	.18	.005		
85310	.27	.008		
85311	.06	.002		
85312	.14	.004		
85313	.17	.005		
85314	.15	.004		
85315	.17	.005	.45	.013
85316	.15	.004		
85317	.16	.005		
85318	.44	.013		
85319	.10	.003		
85320	.29	.008		
85321	.31	.009		
STD	.27	.008		
BLK	.01	.001		

Certified by _____

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MINERAL ENVIRONMENTS LABORATORIES
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VANCOUVER OFFICE:
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TELEPHONE (604) 980-5814 OR (604) 988-4524
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-103

Assay Certificate

4V-0835-RA10

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85322	.26	.008	.25	.007
85323	.23	.007		
85324	.35	.010		
85325	.24	.007		
85326	.17	.005		
85327	.20	.006		
85328	.28	.008		
85329	.10	.003		
85330	.12	.004		
85331	.13	.004		
85332	.13	.004		
85333	.08	.002		
85334	.04	.001		
85335	.06	.002		
85336	.11	.003		
85337	.06	.002		
85338	.09	.003		
85339	.19	.006		
85340	.27	.008	.26	.008
85341	.13	.004		
85342	.16	.005		
85343	.22	.006		
85344	.23	.007		
85345	.52	.015	.46	.013
STD	.26	.008		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-103

Assay Certificate

4V-0835-RA11

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 2 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85346	.13	.004	.12	.004
85347	.14	.004		
STD	.26	.008		
BLK	.02	.001		

Certified by _____

MIN-EN LABORATORIES

Fc n. No. Mill - 1

94 - 104

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 29. JULY ..., 19. 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85459	.01	.25	.01	2.68	.01	
60	.02	.15	.05	3.84	.03	
61	.01	.15	.02	3.51	.01	
62	<.01	.11	<.01	3.36	<.01	
63	<.01	.09	<.01	3.60	<.01	
64	.01	.38	.01	3.68	<.01	
65	<.01	.29	.01	3.50	<.01	
66	<.01	.20	.01	3.60	<.01	
67	.01	.43	.01	2.77	<.01	
68	.02	.18	.04	3.30	.03	
69	.01	.17	.02	4.91	.01	
70	<.01	.27	.01	6.77	<.01	
71	<.01	.22	<.01	4.27	<.01	94-107
72	<.01	.31	.01	5.32	<.01	
73	.01	.52	.02	3.30	.01	
74	<.01	.10	.01	2.87	.01	
75	<.01	.14	<.01	2.80	<.01	
76	<.01	.19	.01	3.07	<.01	
77	<.01	.10	<.01	3.35	<.01	
78	<.01	.11	.01	2.69	<.01	
79	<.01	.21	.01	3.02	<.01	
80	.01	.27	.02	2.92	.01	
81	<.01	.07	<.01	2.09	<.01	
82	<.01	.23	.01	2.32	<.01	
83	<.01	.22	.01	1.17	.01	
84	.01	.27	.01	3.99	.01	
85713	.34	.42	.04	6.32	.01	94 - 104 ↓
14	.16	.23	.03	6.20	.01	

cc: Assay Lab.

Assayer ..... D. A. W .....

Form No. Mill - 1

94-104

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 2 AUG ..... 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS2~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85715	.34	.37	.07	7.20	<.01	
16	.53	.55	.09	4.88	<.01	
17	.25	.28	.04	4.21	.01	
18	.11	.21	.03	4.27	.01	
19	.07	.14	.02	5.62	<.01	
20	.14	.23	.03	4.52	.01	
21	.22	.32	.04	5.15	.01	
22	.14	.22	.04	4.34	.01	
23	.14	.20	.03	4.45	.01	
24	.13	.21	.03	4.64	.01	
25	.19	.23	.03	4.11	<.01	
26	.19	.23	.02	4.06	<.01	
27	.20	.27	.02	3.62	<.01	
28	.20	.24	.02	3.05	<.01	
29	.27	.33	.02	2.41	<.01	
30	.13	.19	.02	3.56	.01	
31	.24	.29	.03	3.68	<.01	
32	.18	.30	.10	4.77	.01	
33	.22	.42	.13	6.14	.01	
34	.44	.57	.24	5.55	.03	
35	.08	.67	.18	4.59	.10	
36	.36	.56	.19	5.30	.05	
37	.09	.29	.09	3.82	.03	
38	.09	.53	.10	5.48	.05	
39	.07	.47	.10	7.01	.05	
40	.17	.44	.17	6.60	.07	
41	.11	.29	.11	4.06	.03	
42	.14	.38	.13	4.23	.06	

cc: Assay Lab.

Assayer D.A.W.

Form No. Mill - 1

94-104

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 2 ... AUG ..... , 1994 ..

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
85743	.04	.14	.03	5.42	.02	
44	.21	.33	.10	3.85	.03	
45	.20	.55	.23	3.26	.09	
46	.19	.57	.19	5.05	.06	
47	.25	.63	.21	4.62	.05	
48	.08	.58	.12	6.11	.06	
49	.01	.27	.02	3.94	.01	
50	.01	.30	.03	4.76	.02	
51	.01	.19	.03	5.48	.01	
52	.03	.23	.07	4.99	.04	
53	.02	.59	.05	5.76	.03	
54	.03	.40	.08	4.92	.04	
55	.04	.55	.10	4.51	.05	
56	.08	1.03	.19	6.92	.11	
57	.02	.33	.06	4.61	.03	
58	.03	.33	.07	4.85	.04	
59	.04	.77	.09	6.13	.05	
60	.03	.63	.07	3.68	.04	
61	.03	.37	.07	4.00	.04	
62	.03	.33	.07	3.44	.04	
63	.03	.58	.07	5.34	.04	
64	.05	.48	.11	4.59	.06	
65	.01	.05	.03	5.09	.01	
66	.01	.02	.01	5.13	.01	
67	.01	.03	.01	4.19	.01	
68	.09	.69	.18	5.74	.10	
69	.19	1.47	.39	5.40	.22	
70	.09	.97	.22	5.11	.12	

cc: Assay Lab.

Assayer ..D. A. W. .....

Form No. Mill - 1

94-104

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 2 AUG ...., 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu. % Mog.	A.S. Fe	CN^- sol. Cu. on Acid Res.	
85771	.05	.86	.15	5.58	.06	
72	.08	.66	.17	6.04	.09	
73	.01	.30	.02	4.98	.01	
74	.01	.54	.02	7.28	.01	
75	.09	.47	.11	6.45	.05	
76	.43	.65	.20	6.79	.06	
77	.09	.46	.16	4.60	.08	
78	.10	.84	.29	6.91	.15	
79	.35	1.71	.74	6.49	.41	
80	.55	2.58	.98	7.26	.70	
81	.33	2.04	.82	5.71	.52	
82	.30	1.59	.78	4.97	.55	
83	.23	1.68	.75	4.03	.58	
84	.40	2.40	.91	6.40	.64	
85	.48	2.31	.87	6.90	.57	
86	.29	1.62	.65	5.97	.35	
87	.26	1.59	.57	7.14	.30	
88	.04	.43	.10	4.81	.05	
89	.04	.48	.09	4.22	.05	
90	.24	2.03	.62	5.09	.36	
91	.20	2.88	.83	4.46	1.09	
92	.06	1.20	.17	5.50	.08	
93	.10	.98	.28	5.89	.14	
94	.10	.75	.28	7.39	.14	
95	.05	.52	.13	4.81	.06	
96	.26	1.75	.57	7.35	.30	
97	.18	1.63	.43	8.16	.22	
98	.23	1.22	.56	6.39	.27	

cc: Assay Lab.

Assayer ... D. A. W. .....

Form. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ....4...AUG..., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% Mol.~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85799	.05	.31	.14	5.13	.07	94-104
35800	.17	1.09	.52	6.64	.24	
01	.25	1.35	.63	7.24	.31	
02	.20	1.24	.65	4.73	.34	
03	.09	.66	.27	4.88	.12	
04	.08	.70	.22	7.32	.10	
05	.16	1.63	.43	7.64	.21	
06	.07	.73	.20	6.04	.09	
07	.05	.96	.13	5.85	.06	
08	.08	.64	.26	4.95	.11	
09	.08	.73	.25	6.22	.12	
10	.06	.72	.17	5.68	.08	
11	.01	.11	.02	4.98	.01	
12	.12	1.84	.36	6.45	.17	
13	.14	1.73	.42	5.53	.20	
14	.32	1.90	.74	5.27	.45	
15	.27	1.61	.63	4.79	.38	
16	.05	1.00	.12	6.04	.06	
17	.09	1.04	.22	5.70	.10	
18	.07	1.24	.18	6.57	.09	
19	.10	1.09	.26	5.90	.12	
85821	.04	.07	.01	4.37	<.01	94-105
22	.05	.08	.01	4.92	.01	
23	.30	.34	.13	4.62	<.01	
24	.27	.30	.09	4.68	<.01	
25	.25	.29	.08	4.26	<.01	
26	.06	.07	.01	4.50	<.01	
27	.01	.02	<.01	4.51	<.01	

cc: Assay Lab.

Assayer ...D.A.W.....

MINERAL
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

94-104

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0823-RA1

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-18-94
copy 1. Gibraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-11-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85713	.22	.006		
85714	.10	.003		
85715	.21	.006		
85716	.37	.011	.34	.010
85717	.15	.004		
85718	.08	.002		
85719	.06	.002		
85720	.17	.005		
85721	.19	.006		
85722	.07	.002		
85723	.08	.002		
85724	.06	.002		
85725	.09	.003		
85726	.10	.003		
85727	.08	.002		
85728	.10	.003		
85729	.14	.004	.14	.004
85730	.07	.002		
85731	.12	.004		
85732	.13	.004		
85733	.09	.003		
85734	.08	.002		
85735	.25	.007	.27	.008
85736	.18	.005		
STD	.27	.008		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-104

Assay Certificate

4V-0823-RA2

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-18-94
Copy 1. Gibraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-11-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85737	.10	.003		
85738	.13	.004		
85739	.17	.005		
85740	.14	.004		
85741	.05	.001		
85742	.06	.002		
85743	.07	.002		
85744	.23	.007		
85745	.49	.014	.47	.014
85746	.27	.008		
85747	.35	.010	.37	.011
85748	.31	.009		
85749	.16	.005		
85750	.13	.004		
85751	.08	.002		
85752	.12	.004		
85753	.21	.006		
85754	.12	.004		
85755	.22	.006		
85756	.33	.010		
85757	.10	.003		
85758	.22	.006	.21	.006
85759	.34	.010		
85760	.21	.006		
STD	.25	.007		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0823-RA3

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-18-94
Copy 1. Gibraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-11-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85761	.24	.007		
85762	.21	.006		
85763	.46	.013		
85764	.02	.001		
85765	.04	.001		
85766	.02	.001		
85767	.53	.015	.49	.014
85768	.75	.022		
85769	2.01	.059	1.94	.057
85770	.80	.023		
85771	.55	.016		
85772	.47	.014		
85773	.16	.005		
85774	.25	.007		
85775	.28	.008		
85776	.22	.006		
85777	.31	.009		
85778	.52	.015		
85779	1.37	.040	1.31	.038
85780	1.16	.034		
85781	.91	.027		
85782	1.13	.033		
85783	.50	.015		
85784	.84	.025		
STD	.27	.008		
BLK	.02	.001		

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MIN-EN LABORATORIES

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0823-RA4

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-18-94
copy 1. Gibraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-11-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85785	.75	.022		
85786	.70	.020		
85787	.42	.012		
85788	.15	.004		
85789	.16	.005		
85790	.99	.029	.99	.029
85791	2.05	.060	2.18	.064
85792	.67	.020		
85793	.52	.015		
85794	.31	.009		
85795	.21	.006		
85796	.54	.016		
85797	.69	.020		
85798	.53	.015		
85799	.14	.004		
85800	.35	.010		
85801	.40	.012		
85802	.85	.025	.86	.025
85803	.25	.007		
85804	.22	.006		
85805	.58	.017		
85806	.38	.011		
85807	.32	.009		
85808	.28	.008		
STD	.25	.007		
BLK	.01	.001		

Certified by _____

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MINERAL ENVIRONMENTS LABORATORIES
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-104

Assay Certificate

4V-0823-RA5

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-18-94
copy 1. Gibraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 11 pulp samples submitted AUG-11-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85809	.24	.007		
85810	.17	.005	.21	.006
85811	.04	.001		
85812	.53	.015		
85813	.51	.015		
85814	.60	.018	.68	.020
85815	.79	.023		
85816	.22	.006		
85817	.39	.011		
85818	.29	.008		
85819	.43	.013		

Certified by _____

MIN-EN LABORATORIES

Form No. Mill - 1

GIBRALTAR MINES LIMITED

94-105

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 4 AUG., 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
A5799	.05	.31	.14	5.13	.07	
5800	.17	1.09	.52	6.64	.24	
01	.25	1.35	.63	7.24	.31	
02	.20	1.24	.65	4.73	.34	
03	.09	.66	.27	4.88	.12	
04	.08	.70	.22	7.32	.10	
05	.16	1.63	.43	7.64	.21	
06	.07	.73	.20	6.04	.09	
07	.05	.96	.13	5.85	.06	
08	.08	.64	.26	4.95	.11	
09	.08	.73	.25	6.22	.12	94-104
10	.06	.72	.17	5.68	.08	
11	.01	.11	.02	4.98	.01	
12	.12	1.84	.36	6.45	.17	
13	.14	1.73	.42	5.53	.20	
14	.32	1.90	.74	5.27	.45	
15	.27	1.61	.63	4.79	.38	
16	.05	1.00	.12	6.04	.06	
17	.09	1.04	.22	5.70	.10	
18	.07	1.24	.18	6.57	.09	
19	.10	1.09	.26	5.90	.12	
A5821	.04	.07	.01	4.37	<.01	94-105
22	.05	.08	.01	4.92	.01	
23	.30	.34	.12	4.62	<.01	
24	.27	.30	.09	4.68	<.01	
25	.25	.29	.08	4.26	<.01	
26	.06	.07	.01	4.50	<.01	
27	.01	.82	<.01	4.51	<.01	

Assay Lab.

Assayer - A.J.

Fo n. No. Mill - 1

94-105

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ....4...AUG..., 19.94..

Sample No.	% Ox. Cu.	Total Cu.	CN^- sol. Cu ~~% MoS~~	A.S. Fe	CN^- sol. Cu on Acid Res.	
B5828	.01	.03	<.01	4.04	<.01	
29	.01	.01	<.01	4.24	<.01	
30	.22	.25	.10	4.32	.01	
31	.21	.31	.13	4.81	.02	
32	.11	.43	.12	4.26	.05	
33	.09	.64	.13	4.38	.06	
34	.02	.54	.03	4.91	.02	
35	.01	.28	.02	4.76	.02	
36	.01	.20	.01	4.05	.01	
37	.01	.19	.01	4.69	.01	
38	.05	.29	.04	5.32	.02	
39	.22	.28	.08	6.10	.01	
40	.40	.52	.21	6.20	.05	
41	.15	.36	.12	6.75	.05	
42	.03	.13	.04	3.51	.03	
43	<.01	.03	<.01	3.56	<.01	
44	.28	.44	.21	7.03	.06	
45	.16	.71	.25	8.01	.13	
46	.19	.51	.19	8.44	.08	
47	.29	.78	.37	7.15	.18	
48	.08	.30	.08	5.58	.03	
49	.01	.03	.01	3.12	<.01	
50	.02	.03	<.01	3.76	<.01	
51	.03	.04	<.01	2.53	<.01	
52	.03	.03	<.01	3.16	<.01	
53	.06	.11	.03	3.34	.02	
54	.01	.02	<.01	2.76	<.01	
55	<.01	.11	.01	4.18	<.01	

: Assay Lab.

Assayer D.A.W.

Fc n. No. Mill - 1

94-105

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ....4...AUG..., 1994..

Sample No.	% Cx. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
~~R5856~~	.02	.08	.02	4.75	.01	
~~57~~	.11	.35	.11	6.00	.05	
~~58~~	.04	.30	.06	4.51	.03	
~~59~~	.03	.44	.03	7.05	.02	
~~60~~	.05	.40	.06	5.40	.03	
~~61~~	.01	.28	.01	5.57	.01	
~~62~~	.01	.30	.01	5.74	.01	
~~63~~	.10	.44	.08	5.95	.04	
~~64~~	.13	.24	.08	5.12	.02	
~~65~~	.10	.26	.06	5.04	.02	
~~66~~	.12	.37	.10	5.81	.06	
~~67~~	.09	.39	.12	4.14	.07	
~~68~~	.10	.42	.13	4.09	.07	
~~69~~	.11	.21	.07	4.21	.03	
~~70~~	.16	.26	.10	2.34	.03	
~~71~~	.11	.33	.08	3.30	.03	
~~72~~	.08	.15	.05	4.33	.02	
~~73~~	.08	.25	.09	5.07	.04	
~~74~~	.13	.31	.09	5.24	.04	
~~75~~	.05	.18	.04	4.93	.01	
~~76~~	.01	.15	.02	4.63	.01	
~~77~~	.03	.18	.06	4.34	.03	
~~78~~	.04	.22	.05	3.78	.03	
~~79~~	.04	.08	.03	4.43	.01	
~~80~~	.03	.08	.03	4.91	.01	
~~81~~	.04	.14	.04	3.87	.02	
~~82~~	.03	.12	.05	4.54	.03	
~~83~~	<.01	.14	.01	4.56	<.01	

: Assay Lab.

Assayer ..D.A.W.....

Form No. Mill - 1

79-103

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date Aug 05, 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
8588+	.03	.88	.07	7.38	.04	
85	.03	1.38	.08	6.36	.05	
86	.09	1.46	.29	6.07	.13	
87	.35	2.50	.96	6.31	.59	
88	.09	1.93	.25	8.51	.14	
89	.07	2.26	.21	6.73	.12	
90	.10	1.70	.30	7.54	.16	
91	.04	.69	.08	6.29	.04	
92	.11	.29	.13	4.44	.05	
93	.25	1.08	.47	5.81	.23	
94	.20	.94	.43	4.98	.23	
95	.15	.96	.28	6.31	.14	
96	.02	.63	.05	6.99	.03	
97	.02	.36	.04	5.31	.02	
98	.01	.12	.02	4.95	.01	
99	.10	.40	.20	6.49	.10	
900	.12	.71	.25	4.09	.14	
01	.02	.31	.07	6.82	.04	
02	.03	.62	.11	5.98	.05	
03	.05	.50	.07	5.65	.04	
04	.06	.29	.07	5.23	.03	
05	.01	.10	.03	5.19	.01	
06	.01	.33	.03	5.73	.02	
07	.14	.35	.19	5.16	.07	
08	.03	.07	.03	5.31	.01	
09	.05	.09	.05	5.98	.01	
10	.05	.20	.07	6.22	.03	
11	.01	.07	.02	5.45	.01	

: Assay Lab.

Assayer

rm. No. Mill - 1

14-105

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date Aug 07 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% Mog~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85912	.04	.17	.06	6.57	.03	
13	.01	.02	.01	4.84	<.01	
14	.01	.01	.01	4.29	<.01	
15	.01	.01	.01	4.62	<.01	
16	.02	.04	.02	5.97	.01	
17	.04	.07	.04	5.14	.01	
18	.08	.15	.10	5.16	.05	
19	.33	.59	.43	6.85	.17	
20	.15	.36	.24	5.82	.11	
21	.18	.59	.34	6.74	.18	
22	.13	.70	.33	6.24	.21	
23	.06	.38	.13	6.06	.10	
24	.16	.78	.34	5.24	.21	
25	.03	.42	.10	4.43	.07	
26	.04	.36	.11	3.54	.08	
27	.05	.50	.22	2.76	.17	
28	.05	.45	.20	4.47	.16	
29	.03	.29	.13	4.27	.10	
30	.04	.57	.18	6.18	.14	
31	.07	.51	.18	6.32	.12	
32	.03	.24	.09	4.67	.07	
33	.06	.26	.10	4.80	.08	
34	.06	.40	.18	6.78	.15	
35	.02	.25	.06	5.01	.04	
36	.01	.26	.03	4.47	.03	
37	.02	.24	.07	5.65	.05	
38	.02	.32	.08	5.84	.06	
39	<.01	.02	<.01	4.39	<.01	

cc: Assay Lab.

Assayer

Fc ɔ. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

94-105

EXPLORATION (MT. POLLEY)

Date .....8...AUG..., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
5940	.01	.15	.03	3.27	.01	94-105
41	.04	.57	.14	3.85	.06	
42	.07	.57	.20	3.66	.10	
43	.03	.28	.08	4.39	.04	
5229	.16	.18	.03	3.24	<.01	
30	.14	.16	.02	3.21	<.01	
31	.14	.20	.06	2.86	.02	
32	.14	.18	.03	4.22	.01	
33	.04	.08	.01	4.36	<.01	
34	.09	.12	.01	4.84	<.01	
35	.14	.17	.01	4.84	<.01	
36	.17	.21	.02	5.63	<.01	
37	.20	.22	.02	4.33	<.01	
38	.20	.23	.02	4.44	<.01	
39	.20	.23	.02	3.75	<.01	
40	.25	.29	.02	5.02	<.01	
41	.34	.42	.05	4.65	.01	
42	.11	.16	.02	3.98	.01	
43	.04	.11	.03	3.16	.01	94-103
44	.06	.14	.05	2.98	.02	
45	.07	.12	.03	4.28	.01	
46	.03	.13	.03	2.76	.02	
47	.03	.11	.04	3.71	.02	
48	.03	.13	.04	3.62	.02	
49	.11	.27	.12	4.46	.05	
50	.20	.43	.24	4.13	.10	
51	.06	.27	.11	4.23	.06	
52	.14	.38	.13	5.56	.06	

c: Assay Lab.

Assayer ...D.A.W.....

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA1

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-18-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85821	.02	.001		
85822	.01	.001		
85823	.17	.005		
85824	.12	.004		
85825	.20	.006		
85826	.04	.001		
85827	.02	.001		
85828	.01	.001	.01	.001
85829	.02	.001		
85830	.14	.004		
85831	.13	.004		
85832	.22	.006		
85833	.44	.013		
85834	.26	.008	.25	.007
85835	.14	.004		
85836	.12	.004		
85837	.10	.003		
85838	.17	.005		
85839	.26	.008		
85840	.58	.017		
85841	.37	.011		
85842	.10	.003		
85843	.02	.001		
85844	.53	.015	.55	.016
STD	.26	.008		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA2

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85845	.40	.012		
85846	.43	.013	.40	.012
85847	.64	.019		
85848	.32	.009		
85849	.02	.001		
85850	.04	.001		
85851	.04	.001		
85852	.03	.001		
85853	.11	.003		
85854	.03	.001		
85855	.52	.015	.48	.014
85856	.08	.002		
85857	.13	.004		
85858	.32	.009		
85859	.42	.012	.45	.013
85860	.41	.012		
85861	.23	.007		
85862	.25	.007		
85863	.31	.009		
85864	.19	.006		
85865	.24	.007		
85866	.32	.009	.31	.009
85867	.41	.012		
85868	.40	.012		
STD	.26	.008		
BLK	.01	.001		

Certified by _____

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA3

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85869	.18	.005		
85870	.30	.009		
85871	.37	.011		
85872	.10	.003		
85873	.13	.004		
85874	.18	.005	.20	.006
85875	.09	.003		
85876	.09	.003		
85877	.16	.005		
85878	.24	.007		
85879	.05	.001		
85880	.05	.001		
85881	.07	.002		
85882	.06	.002		
85883	.07	.002		
85884	.77	.022		
85885	1.44	.042		
85886	1.37	.040		
85887	2.33	.068		
85888	2.06	.060		
85889	2.83	.083	2.95	.086
85890	2.50	.073	2.58	.075
85891	.69	.020		
85892	.30	.009		
STD	.27	.008		
BLK	.01	.001		

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA4

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85893	1.51	.044	1.45	.042
85894	1.20	.035	1.23	.036
85895	.79	.023		
85896	.87	.025		
85897	.27	.008		
85898	.12	.004		
85899	.43	.013		
85900	.65	.019		
85901	.35	.010		
85902	.83	.024	.85	.025
85903	.61	.018		
85904	.15	.004		
85905	.05	.001		
85906	.30	.009		
85907	.11	.003		
85908	.04	.001		
85909	.03	.001		
85910	.06	.002		
85911	.04	.001		
85912	.07	.002		
85913	.03	.001		
85914	.03	.001		
85915	.02	.001		
85916	.05	.001		
STD	.27	.008		
BLK	.01	.001		

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FAX (604) 980-9621

SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0835-RA5

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
Copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85917	.04	.001		
85918	.13	.004		
85919	1.04	.030	.98	.029
85920	.47	.014		
85921	.35	.010		
85922	.49	.014		
85923	.44	.013		
85924	1.80	.053	1.87	.055
85925	.57	.017		
85926	.47	.014		
85927	.55	.016		
85928	.61	.018		
85929	.25	.007		
85930	.42	.012		
85931	.44	.013		
85932	.34	.010		
85933	.27	.008		
85934	.40	.012		
85935	.35	.010	.34	.010
85936	.24	.007		
85937	.23	.007		
85938	.35	.010		
85939	.04	.001		
85940	.17	.005		
STD	.26	.008		
BLK	.02	.001		

Certified by _____

MIN-EN LABORATORIES

94-105

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3006

Assay Certificate

4V-0835-RA6

Company: **GIBRALTAR MINES**
Project:
Attn: Ron Graden

Date: AUG-19-94
copy 1. Gibraltar Mines, Vancouver, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-15-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85941	.75	.022	.72	.021
85942	.60	.018		
85943	.41	.012		
85229	.21	.006		
85230	.23	.007		
85231	.21	.006		
85232	.28	.008		
85233	.09	.003		
85234	.18	.005		
85235	.19	.006		
85236	.24	.007		
85237	.34	.010		
85238	.31	.009		
85239	.37	.011		
85240	.50	.015		
85241	.64	.019	.59	.017
85242	.25	.007		
85243	.17	.005		
85244	.26	.008		
85245	.25	.007		
85246	.18	.005		
85247	.18	.005		
85248	.22	.006		
85249	.51	.015	.49	.014
STD	.26	.008		
BLK	.01	.001		

94-105

Certified by _____

MIN-EN LABORATORIES

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 27 JULY, 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS₂~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
35687	.17	.43	.17	2.14	.10	
88	.19	.26	.02	3.69	.02	
89	.09	.36	.03	3.14	.02	
90	.07	.23	.08	3.68	.04	
91	.07	.39	.06	4.77	.04	
92	.09	.13	.02	2.48	.01	
93	.12	.20	.05	2.24	.01	
94	.06	.36	.09	2.64	.06	
95	.09	.23	.05	3.12	.02	
96	.17	.25	.02	4.09	.01	
97	.21	.29	.01	4.31	.01	
98	.03	.08	<.01	4.88	<.01	
99	.01	.02	<.01	4.71	<.01	
35700	.02	.04	<.01	4.94	<.01	
01	.15	.24	.02	5.24	.01	
02	.06	.25	.08	5.00	.04	
03	.01	.22	.02	4.59	.01	
04	.01	.15	.01	5.59	.01	
05	.03	.13	.03	5.37	.02	
06	.01	.11	.02	5.70	.01	
07	<.01	.11	.01	4.68	<.01	
08	<.01	.05	.01	4.95	<.01	
09	<.01	.11	.01	3.98	<.01	
10	.03	.07	.01	4.40	.01	
11	.05	.07	<.01	4.84	<.01	
12	.07	.10	.01	3.83	.01	
35401	.24	.29	.11	3.40	<.01	94-106 ↓
02	.27	.44	.15	3.96	.01	↓

cc: Assay Lab.

Assayer ..D.A.W.....

rm. No. Mill - 1

94-106

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 27 JULY, 1994

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
85403	.11	.83	.09	4.98	.02	✓ 94-106
04	.04	.67	.07	4.53	.03	✓
05	.02	1.22	.03	6.87	.02	✓
06	.03	1.53	.04	10.8	.03	✓
07	.03	.90	.06	6.00	.04	✓
08	.01	1.46	.02	7.37	.01	✓
09	.01	.33	.01	6.72	.01	✓
10	.01	1.07 CHECKED!	.02	6.41	.01	✓
11	.02	3.42	.03	7.22	.02	✓
12	<.01	.19	<.01	4.41	<.01	✓
13	<.01	.17	<.01	4.57	<.01	✓
14	<.01	.30	<.01	5.09	<.01	✓
15	<.01	.02	<.01	3.18	<.01	✓
16	<.01	.05	<.01	3.40	<.01	✓
17	<.01	.20 .17	.01	3.28	<.01	✓
18	.01	.50	.01	3.18	.01	✓
19	<.01	.18	<.01	3.43	<.01	✓
20	<.01	.14	<.01	4.93	<.01	✓
21	<.01	.19	<.01	4.33	<.01	✓
22	<.01	.16	<.01	2.52	<.01	✓
23	<.01	.06	<.01	2.71	<.01	✓
24	<.01	.03	<.01	2.59	<.01	✓
25	<.01	.03	<.01	2.61	<.01	✓
26	<.01	.01	<.01	2.42	<.01	✓
27	<.01	.02	<.01	2.17	<.01	✓
28	<.01	.01	<.01	2.31	<.01	✓
29	<.01	.02	<.01	2.32	<.01	✓
30	<.01	.01	<.01	2.04	<.01	✓

cc: Assay Lab.

Assayer ... D.A.W. .....

Form. No. Mill - 1

94-106

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 28. JULY .., 19 94

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu. on Acid Res.	
B5431	<.01	.02	<.01	2.29	<.01	94-106
32	<.01	.04	<.01	2.74	<.01	
33	.01	.04	.01	2.97	.01	
34	<.01	.04	.01	2.92	.01	
35	<.01	.02	<.01	2.51	<.01	
36	<.01	.03	<.01	2.28	<.01	
37	<.01	.01	<.01	2.38	<.01	
38	<.01	.02	<.01	2.76	<.01	
39	<.01	.03	.01	2.90	<.01	
40	<.01	.02	<.01	2.36	<.01	
41	<.01	.02	<.01	2.41	<.01	
42	<.01	.02	<.01	2.42	<.01	
43	<.01	.02	<.01	2.70	<.01	
44	<.01	.05	<.01	2.65	<.01	
45	.01	.24	.01	2.27	.01	
46	.01	.45	.01	5.92	.01	
47	.01	.36	.01	3.74	<.01	
48	<.01	.16	<.01	3.83	<.01	
49	.01	.30	.01	5.58	.01	
50	.01	.25	.01	6.16	.01	
51	.01	.37	.01	4.43	.01	
52	.01	.48	.01	4.15	.01	
53	<.01	.14	<.01	2.16	<.01	
54	<.01	.13	.01	2.97	<.01	
55	<.01	.22	.01	2.84	.01	
56	<.01	.10	<.01	3.42	<.01	
57	<.01	.18	.01	3.17	<.01	
58	<.01	.28	.01	3.04	.01	

cc: Assay Lab.

Assayer ....D. A. W.....

Fc ı. No. Mill - 1

94-106

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 29. JULY ..., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sd. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sd. Cu on Acid Res.	
85459	.01	.25	.01	2.68	.01	94-106
60	.02	.15	.05	3.84	.03	
61	.01	.15	.02	3.51	.01	
62	<.01	.11	<.01	3.36	<.01	
63	<.01	.09	<.01	3.60	<.01	
64	.01	.38	.01	3.68	<.01	
65	<.01	.29	.01	3.50	<.01	
66	<.01	.20	.01	3.60	<.01	
67	.01	.43	.01	2.77	<.01	
68	.02	.18	.04	3.30	.02	
69	.01	.17	.02	4.91	.01	
70	<.01	.27	.01	6.77	<.01	
71	<.01	.22	<.01	4.27	<.01	
72	<.01	.31	.01	5.32	<.01	
73	.01	.52	.02	3.30	.01	
74	<.01	.10	.01	2.87	.01	
75	<.01	.14	<.01	2.80	<.01	
76	<.01	.19	.01	3.07	<.01	
77	<.01	.10	<.01	3.35	<.01	
78	<.01	.11	.01	2.69	<.01	
79	<.01	.21	.01	3.02	<.01	
80	.01	.27	.02	2.92	.01	
81	<.01	.07	<.01	2.09	<.01	
82	<.01	.23	.01	2.32	<.01	
83	<.01	.23	.01	1.17	.01	
84	.01	.27	.01	3.99	.01	
85713	.34	.42	.04	6.32	.01	94-104
14	.16	.23	.03	6.20	.01	

cc: Assay Lab.

Assayer ..... D. A. W. .....

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SMITHERS LAB.:
3176 TATLOW ROAD
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-106

Assay Certificate

4V-0758-RA1

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-11-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85401	.10	.003		
85402	.19	.006		
85403	.46	.013		
85404	.38	.011		
85405	.82	.024		
85406	1.02	.030	1.07	.031
85407	.67	.020		
85408	.94	.027		
85409	.22	.006		
85410	.67	.020		
85411	2.24	.065	2.47	.072
85412	.26	.008		
85413	.17	.005		
85414	.26	.008		
85415	.02	.001		
85416	.03	.001		
85417	.16	.005		
85418	.34	.010	.38	.011
85419	.12	.004		
85420	.10	.003		
85421	.17	.005		
85422	.16	.005		
85423	.05	.001		
85424	.03	.001		
STD	.25	.007		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

94-106

MINERAL • ENVIRONMENTS LABORATORIES
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3006

Assay Certificate

4V-0758-RA2

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-11-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85425	.02	.001		
85426	.01	.001		
85427	.02	.001		
85428	.02	.001		
85429	.02	.001		
85430	.01	.001	.02	.001
85431	.01	.001		
85432	.03	.001		
85433	.04	.001		
85434	.03	.001		
85435	.02	.001		
85436	.03	.001		
85437	.01	.001		
85438	.02	.001		
85439	.02	.001		
85440	.02	.001		
85441	.01	.001		
85442	.01	.001		
85443	.02	.001		
85444	.04	.001		
85445	.17	.005	.18	.005
85446	.25	.007	.26	.008
85447	.26	.008		
85448	.10	.003		
STD	.26	.008		
BLK	.01	.001		

Certified by _____

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VANCOUVER OFFICE:
706 WEST 16TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-6814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA3

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-11-94
Copy 1. Gilbraltar Mines, McLeese Lake. B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85449	.19	.006		
85450	.14	.004		
85451	.30	.009		
85452	.30	.009	.31	.009
85453	.09	.003		
85454	.14	.004		
85455	.16	.005		
85456	.08	.002		
85457	.12	.004		
85458	.21	.006		
85459	.14	.004		
85460	.05	.001		
85461	.06	.002		
85462	.07	.002		
85463	.05	.001		
85464	.22	.006	.24	.007
85465	.14	.004		
85466	.14	.004		
85467	.32	.009		
85468	.14	.004		
85469	.11	.003		
85470	.16	.005		
85471	.14	.004		
85472	.26	.008	.25	.007
STD	.26	.008		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

44-106

MINERAL • ENVIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA4

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85473	.37	.011		
85474	.10	.003		
85475	.08	.002		
85476	.13	.004	.14	.004
85477	.07	.002		
85478	.09	.003		
85479	.14	.004		
85480	.21	.006		
85481	.09	.003		
85482	.12	.004		
85483	.15	.004		
85484	.19	.006		
85601	.45	.013		
85602	.45	.013		
85603	.46	.013	.48	.014
85604	.60	.018		
85605	.59	.017		
85606	.97	.028		
85607	.46	.013		
85608	.68	.020		
85609	.73	.021		
85610	1.38	.040		
85611	.61	.018		
85612	1.83	.053	1.79	.052
STD	.26	.008		
BLK	.01	.001		

↑ 44-106

Certified by _____

MIN-EN LABORATORIES

Fo 1. No. Mill - 1

94-107

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 29..JULY..., 19.94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. % Mog.	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85201	.04	.56	.08	7.09	.05	
02	.03	.41	.06	6.47	.04	
03	.06	.37	.15	4.49	.09	
04	.06	.42	.14	7.08	.08	
05	.02	.21	.05	3.92	.03	
06	.03	.15	.04	3.74	.03	
07	.02	.03	.02	3.78	.01	
08	.01	.03	.01	3.43	.01	
09	<.01	.03	.01	2.12	.01	
10	<.01	.03	.01	1.93	.01	
11	.01	.06	.02	2.15	.02	94-102
12	<.01	.04	.01	2.11	.01	
13	.02	.06	.03	1.83	.02	
14	.01	.04	.01	1.91	.01	
15	.02	.07	.03	1.87	.03	
16	.02	.05	.03	2.32	.02	
17	.02	.07	.03	2.23	.02	
18	.02	.14	.06	1.89	.04	
19	.01	.07	.03	1.99	.02	
20	.02	.18	.05	1.84	.04	
21	.01	.08	.02	1.72	.01	
22	<.01	.01	<.01	4.08	<.01	
23	<.01	.03	<.01	2.62	<.01	
24	<.01	.04	<.01	1.83	<.01	
25	<.01	.05	<.01	1.90	<.01	
26	<.01	.02	<.01	2.23	<.01	
85601	.22	.23	.03	5.20	.01	94-107
02	.20	.20	.03	3.05	<.01	

cc: Assay Lab.

Assayer D.A.W.

F m. No. Mill - 1

94-107

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date .....21..JULY., 19.94.

Sample No.	% Cx. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85603	.27	.32	.03	6.32	.01	—
04	.26	.29	.03	3.66	.01	—
05	.35	.43	.05	5.02	.01	—
06	.42	.46	.11	3.79	.01	—
07	.33	.37	.06	7.17	.01	—
08	.26	.29	.03	10.3	.01	✓
09	.32	.36	.04	8.84	<.01	✓
10	.37	.40	.06	8.73	.01	✓
11	.28	.35	.04	10.2	.01	✓
12	.31	.36	.04	9.64	<.01	—
13	.28	.34	.03	8.45	.01	✓
14	.39	.46	.08	9.00	.02	—
15	.33	.36	.05	7.70	.01	—
16	.31	.38	.08	8.72	.02	—
17	.38	.43	.05	7.96	.01	✓
18	.44	.50	.04	9.05	.01	✓
19	.35	.76	.28	7.21	.15	—
20	.52	.89	.35	7.25	.14	✓
21	.30	.44	.14	6.64	.05	✓
22	.10	.14	.03	6.25	.01	—
23	.15	.16	.02	6.59	<.01	—
24	.22	.25	.04	5.55	.01	—
25	.16	.20	.04	4.63	.01	—
26	.05	.08	.02	5.17	.01	—
27	.03	.04	.02	4.58	.01	—
28	.02	.04	<.01	4.58	<.01	—
29	.02	.03	<.01	5.18	<.01	✓
30	.01	.03	<.01	4.73	<.01	✓

cc: Assay Lab.

Assayer ..D..A..W.....

Dept. No. Mill - 1

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

ORATION (MT. POLLEY)

Date ....., 19.....

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS2~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85631	.06	.06	.01	5.02	<.01	—
32	.04	.04	.01	4.96	<.01	—
33	.07	.07	.01	4.44	<.01	—
34	.08	.08	.01	5.32	<.01	—
35	.06	.06	.01	5.04	<.01	—
36	.09	.09	.02	4.70	<.01	—
37	.06	.06	.01	4.40	<.01	—
38	.04	.06	.01	4.31	<.01	—
39	.06	.07	.01	4.86	<.01	—
x 40	.10	.11	.01	4.98	<.01	—
x 41	.26	.26	.03	5.30	<.01	—
42	.09	.10	.01	4.62	<.01	—
43	.10	.12	.03	4.46	<.01	—
44	.35	.46	.16	4.36	.04	—
45	.32	.42	.19	6.62	.04	—
46	.36	.44	.04	3.80	.01	—
47	.39	.54	.07	5.24	.01	—
48	.24	.28	.09	5.32	.01	—
49	.32	.49	.23	4.54	.03	—
50	.26	.30	.10	5.64	.01	—
51	.29	.29	.04	5.00	<.01	—
52	.22	.22	.03	4.60	<.01	—
53	.31	.31	.03	6.00	<.01	—
54	.18	.18	.02	4.02	<.01	—
55	.21	.21	.03	4.32	<.01	—
56	.09	.16	.04	4.04	<.01	—
57	.14	.23	.07	4.44	.01	—
58	.06	.21	.04	3.70	.02	—

cc: Assay Lab.

Assayer .....

Fc ɔ. No. Mill - 1

94-107

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 25 JULY, 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu. ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85659	.04	.19	.04	4.02	.02	–
60	.14	.21	.08	5.35	.02	–
61	.18	.22	.04	4.58	.01	–
62	.12	.24	.09	4.38	.05	–
63	.14	.18	.01	3.32	<.01	–
64	.17	.21	.03	5.31	.01	–
65	.16	.24	.06	6.42	.02	–
66	.02	.15	.03	5.21	.02	–
67	.13	.33	.11	5.12	.05	–
68	.07	.28	.09	4.00	.04	–
69	.02	.24	.04	6.37	.02	–
70	.04	.34	.06	11.8	.03	–
71	.04	.62	.07	11.4	.03	–
72	<.01	.17	.01	5.14	<.01	–
73	<.01	.01	<.01	5.23	<.01	–
74	.03	.29	.06	3.46	.03	–
75	.16	.29	.09	5.64	.04	–
76	.14	.25	.15	14.0	.04	–
77	.09	.30	.07	7.36	.04	–
78	.17	.30	.13	6.88	.05	–
79	.14	.39	.25	6.40	.13	–
80	.05	.36	.09	5.93	.06	–
81	.06	.29	.09	4.55	.05	
82	.05	.31	.06	5.20	.02	
83	.15	.28	.06	4.38	.03	
84	.12	.30	.07	4.28	.02	–
85	.12	.34	.09	3.60	.04	–
86	.02	.29	.02	3.10	.01	–

cc: Assay Lab.

Assayer ... D. A. W. .....

Fc ı. No. Mill - 1

94-107

GIBRALTAR MINES LIMITED

ASSAY CERTIFICATE

EXPLORATION (MT. POLLEY)

Date ..... 27 JULY, 19 94.

Sample No.	% Ox. Cu.	Total Cu.	CN⁻ sol. Cu ~~% MoS~~	A.S. Fe	CN⁻ sol. Cu on Acid Res.	
85687	.17	.43	.17	2.14	.10	94-107
88	.19	.26	.02	3.69	.02	
89	.09	.36	.03	3.14	.02	
90	.07	.23	.08	3.68	.04	
91	.07	.39	.06	4.77	.04	
92	.09	.13	.02	2.48	.01	
93	.12	.20	.05	2.24	.01	
94	.06	.36	.09	2.64	.06	
95	.09	.23	.05	3.12	.02	
96	.17	.25	.02	4.09	.01	
97	.21	.29	.01	4.31	.01	
98	.03	.08	<.01	4.88	<.01	
99	.01	.02	<.01	4.71	<.01	
85700	.02	.04	<.01	4.94	<.01	
01	.15	.24	.02	5.24	.01	
02	.06	.25	.08	5.00	.04	
03	.01	.22	.02	4.59	.01	
04	.01	.15	.01	5.99	.01	
05	.03	.13	.03	5.37	.02	
06	.01	.11	.02	5.70	.01	
07	<.01	.11	.01	4.68	<.01	
08	<.01	.05	.01	4.95	<.01	
09	<.01	.11	.01	3.98	<.01	
10	.03	.07	.01	4.40	.01	
11	.05	.07	<.01	4.84	<.01	
12	.07	.10	.01	3.83	.01	
85401	.24	.29	.11	3.40	<.01	94-106
02	.27	.44	.15	3.96	.01	

: Assay Lab.

Assayer .. D.A.W. .....

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705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA4

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85473	.37	.011		
85474	.10	.003		
85475	.08	.002		
85476	.13	.004	.14	.004
85477	.07	.002		
85478	.09	.003		
85479	.14	.004		
85480	.21	.006		
85481	.09	.003		
85482	.12	.004		
85483	.15	.004		
85484	.19	.006		
85601	.45	.013		
85602	.45	.013		
85603	.46	.013	.48	.014
85604	.60	.018		
85605	.59	.017		
85606	.97	.028		
85607	.46	.013		
85608	.68	.020		
85609	.73	.021		
85610	1.38	.040		
85611	.61	.018		
85612	1.83	.053	1.79	.052
STD	.26	.008		
BLK	.01	.001		

94-107

Certified by _____

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA5

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85613	.81	.024		
85614	.82	.024		
85615	1.15	.034		
85616	.73	.021		
85617	1.58	.046		
85618	1.32	.039	1.37	.040
85619	2.12	.062	2.24	.065
85620	1.32	.039		
85621	.68	.020		
85622	.26	.008		
85623	.40	.012		
85624	.17	.005		
85625	.18	.005		
85626	.25	.007	.28	.008
85627	.06	.002		
85628	.04	.001		
85629	.06	.002		
85630	.06	.002		
85631	.05	.001		
85632	.03	.001		
85633	.10	.003		
85634	.17	.005		
85635	.12	.004		
85636	.09	.003		
STD	.25	.007		
BLK	.01	.001		

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA6

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85637	.08	.002		
85638	.08	.002	.11	.003
85639	.12	.004		
85640	.14	.004		
85641	.28	.008		
85642	.13	.004		
85643	.23	.007		
85644	.56	.016		
85645	.57	.017	.48	.014
85646	.56	.016		
85647	.35	.010		
85648	.25	.007		
85649	.53	.015	.58	.017
85650	.40	.012		
85651	.28	.008		
85652	.20	.006		
85653	.31	.009		
85654	.24	.007		
85655	.22	.006		
85656	.17	.005		
85657	.21	.006		
85658	.18	.005		
85659	.19	.006		
85660	.23	.007		
STD	.26	.008		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-107

Assay Certificate

4V-0758-RA7

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85661	.34	.010		
85662	.24	.007		
85663	.20	.006		
85664	.27	.008		
85665	.23	.007		
85666	.15	.004		
85667	.38	.011		
85668	.29	.008		
85669	.29	.008		
85670	.40	.012		
85671	1.02	.030	.98	.029
85672	.18	.005		
85673	.02	.001	.02	.001
85674	.30	.009		
85675	.32	.009		
85676	.31	.009		
85677	.37	.011		
85678	.36	.011		
85679	.46	.013		
85680	.61	.018	.60	.018
85681	.39	.011		
85682	.44	.013		
85683	.51	.015		
85684	.37	.011		
STD	.25	.007		
BLK	.02	.001		

Certified by _____

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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

4V-0758-RA8

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 24 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85685	.35	.010		
85686	.37	.011		
85687	.69	.020	.66	.019
85688	.36	.011		
85689	.31	.009		
85690	.28	.008		
85691	.37	.011		
85692	.18	.005		
85693	.36	.011		
85694	.41	.012	.39	.011
85695	.33	.010		
85696	.43	.013		
85697	.55	.016		
85698	.03	.001		
85699	.01	.001		
85700	.02	.001		
85701	.43	.013		
85702	.46	.013	.43	.013
85703	.30	.009		
85704	.20	.006		
85705	.17	.005		
85706	.16	.005		
85707	.17	.005		
85708	.06	.002		
STD	.25	.007		
BLK	.01	.001		

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TELEPHONE (604) 847-3004
FAX (604) 847-3005

94-107

Assay Certificate

4V-0758-RA9

Company: **GIBRALTAR MINES LTD**
Project:
Attn: Ron Graden

Date: AUG-16-94
Copy 1. Gilbraltar Mines, McLeese Lake, B.C.

We hereby certify the following Assay of 4 pulp samples submitted AUG-08-94 by GIBRALTAR MINES.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton	Au-Fire g/tonne	Au-Fire oz/ton
85709	.23	.007	.22	.006
85710	.11	.003		
85711	.14	.004		
85712	.12	.004		
STD	.24	.007		
BLK	.01	.001		

Certified by _____

MIN-EN LABORATORIES