84-1266-13324

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,324

REPORT ON THE 1984

DIAMOND DRILLING PROJECT

GOLDEN LION, GOLDEN LION 2-11 CLAIMS
HUMP, HUMP 2 CLAIMS

OMINECA AND LIARD MINING DIVISIONS

N.T.S. 94E/11W

LATITUDE: 57° 33'N LONGITUDE: 127° 17'W

OWNER: NEWMONT MINES LIMITED - as to Golden Lion, Golden Lion 2, Hump, Hump 2

NEWMONT EXPLORATION OF CANADA LIMITED - as to Golden Lion 3-11

OPERATOR: NEWMONT EXPLORATION OF CANADA LIMITED

BY: G. McLAREN, M.Sc.
DECEMBER 20, 1984

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MAPS

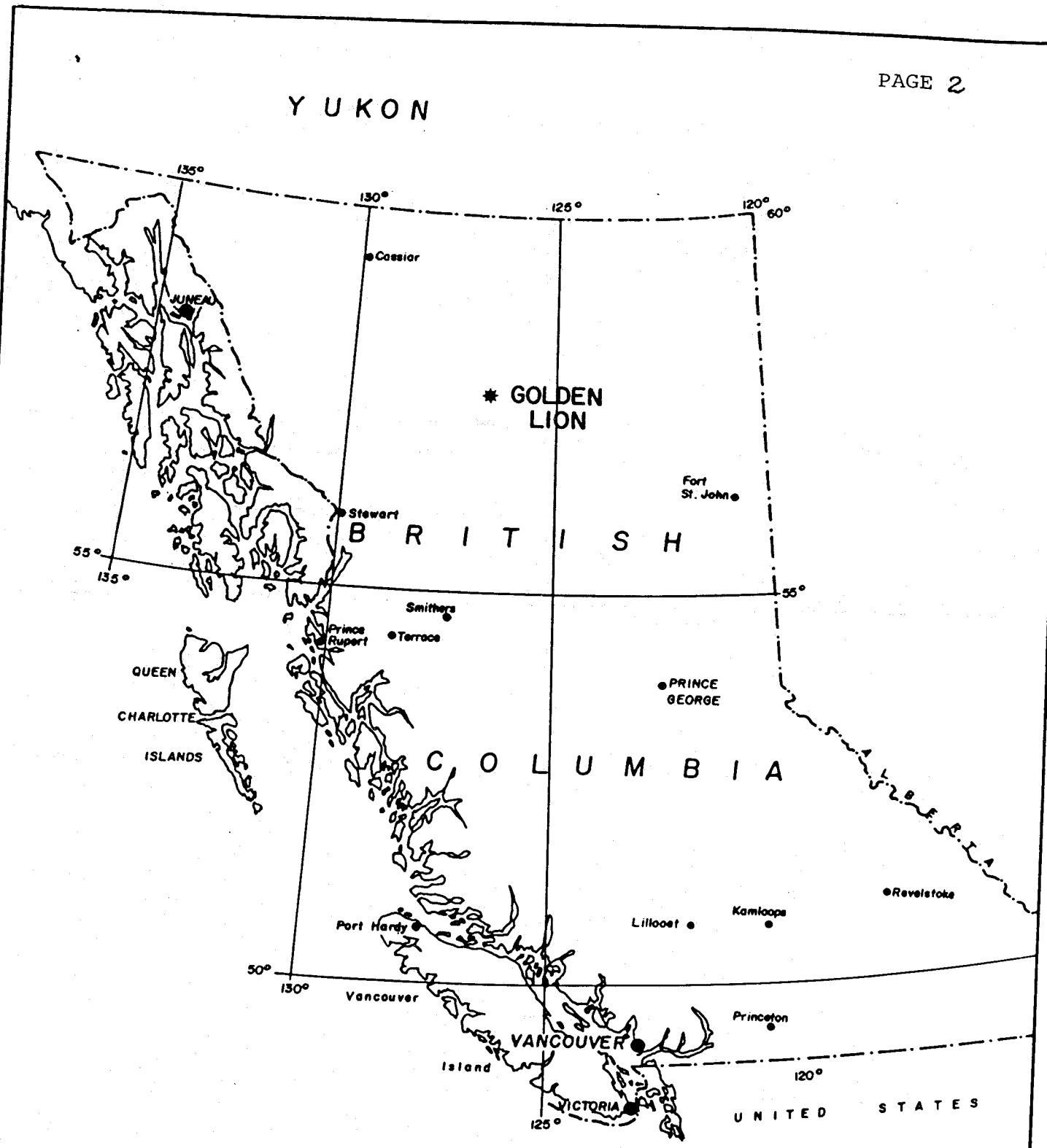
1.0 INTRODUCTION

The Golden Lion and Hump claims are located in the Cassiar Mountains of north-central British Columbia, approximately 308 km north of Smithers, B.C. (Figure 1, 2). The south end of Moosehorn Lake lies 4 km to the northeast of the claim group (Figure 3). Access to the property is via charter aircraft from Smithers to the airstrip (274 km) followed by a further 34 km by helicopter to the base camp.

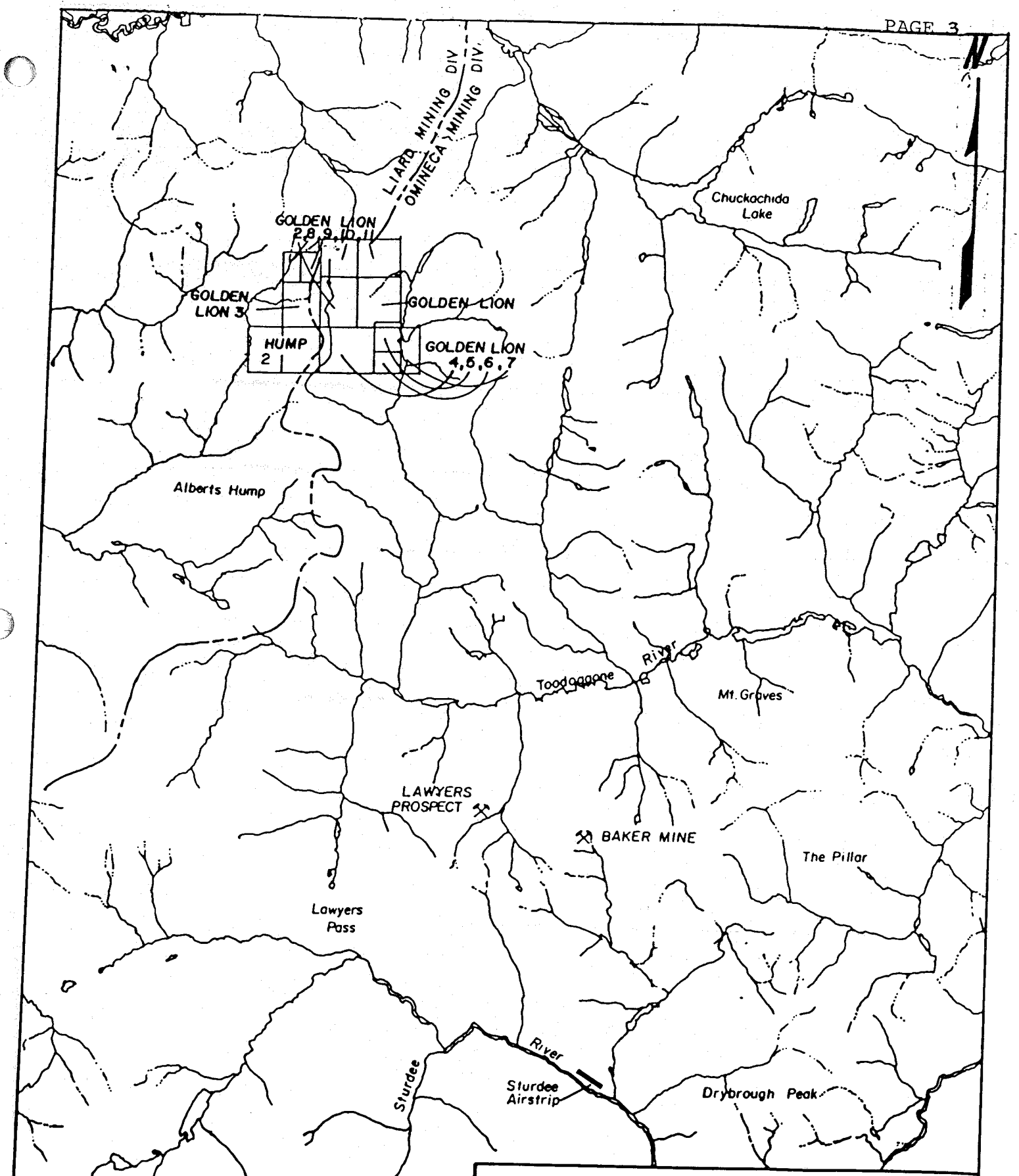
The property covers the southwestern slope of Claw Mountain (elevation 2140 metres) with elevations in the areas of interest ranging from 1600-2000 metres. The terrain varies across rolling hills and broad valleys to steep rock cliffs. As the majority of the property is above tree-line, the vegetation consists of alpine grasses with pockets of scrub-brush.

These claims lie at the northern end of the Toodoggone district, a relatively new precious metals camp in the Canadian Cordillera. Within this belt, epithermal gold and silver mineralization occurs within late Triassic alkaline andesitic volcanics of the Takla Group and in early Jurassic calc-alkaline andesitic to dacitic rocks of the Toodoggone volcanics. Permian limestones underlie the volcanics, and Cretaceous granodiorites intrude the older rocks. The Golden Lion claims contain epithermal gold and silver mineralization within Toodoggone volcanics along a linear trend parallel to the northwest striking Toodoggone-Takla thrust-fault boundary.

In 1984, Newmont Exploration of Canada Limited completed 2474.9 metres of BQ diamond drilling in 22 holes on the Golden Lion property. This report details the results of this program.



NEWMONT EXPLORATION OF CANADA LTD.		
GOLDEN LION PROJECT LOCATION MAP		
SCALE 1:8000000	LOCATION	DATE DEC. 20/84
SURVEY BY	DRAWN BY	NO. 1



NEWMONT EXPLORATION OF CANADA LTD.

CLAIM INDEX MAP-GOLDEN LION PROJECT

SCALE 1:250000	LOCATION NTS 94E	DATE DEC. 20, 1984
SURVEY BY	DRAWN BY CASIDY	NO.

The crew working on the property during this program consisted of:

G. McLaren	-	Geologist	R. Cranswick	-	Junior Assistant
I. Casidy	-	Geol. Technician Surveyor	I. Leask	-	Junior Assistant
D. Barnett	-	Catskinner Core Splitter	M. Baknes	-	Junior Assistant
P. Gill	-	Junior Assistant	D. Visagie	-	Junior Assistant
S. Pattenden	-	Junior Assistant	J. Fink	-	Cook

2.0 HISTORY

Surveyed claim posts dating to the 1930's lie within the Golden Lion property. There are no records of the work completed at this time, however evidence of a camp and some trenching exists on the property. A limited amount of prospecting was completed by C. Kowall and G. Auger when the original Golden Lion claims were staked in 1981.

Newmont Exploration of Canada Limited optioned the claims in 1982 and carried out a reconnaissance geochemical sampling, mapping and prospecting program in the vicinity. A follow-up detailed grid geochemical sampling survey as well as geological mapping, a magnetometer survey, and minor hand trenching were also completed in 1982. Results from this program outlined three areas of anomalous base and precious metal geochemistry along a northwest trending zone containing visible silicification as well as copper or lead-zinc mineralization.

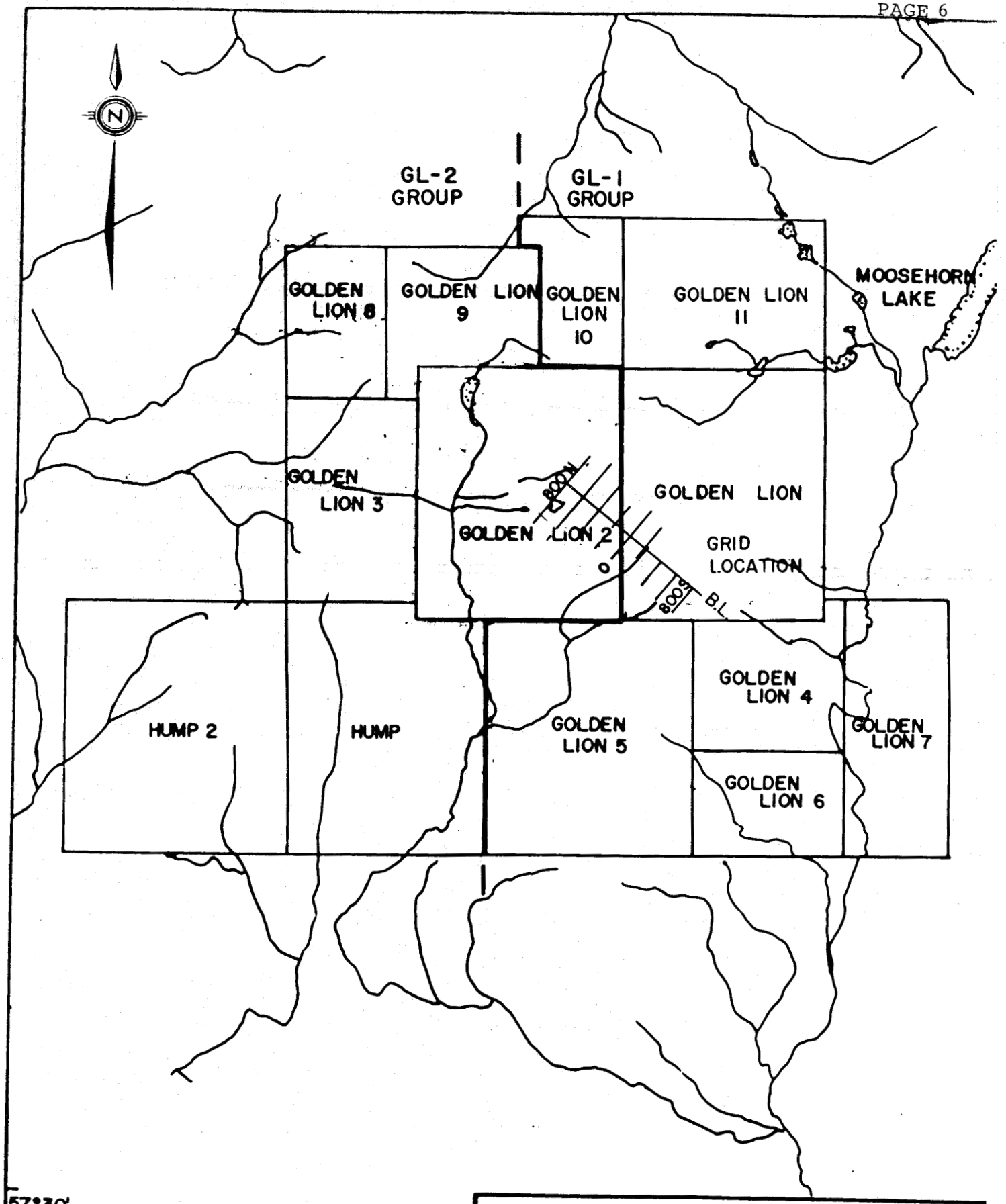
In 1983, additional detailed fill-in work, including rock and soil geochemistry, geophysical surveys (magnetometer, VLF Resisitivity, and induced polarization) and backhoe trenching, was completed. This work successfully defined areas of anomalous gold-silver and silver mineralization associated with the areas of lead-zinc and copper mineralization, resulting in the definition of future drill targets.

3.0 CLAIM DATA

The 13 claims of the Golden Lion property comprise a total of 163 units and are grouped into the GL-1 and GL-2 claim groups (Figure 3). The Golden Lion, Golden Lion 2, Hump and Hump 2 claims were staked by C. Kowall and G. Auger in 1981. Newmont Exploration of Canada Limited optioned these claims in 1982 and staked the adjoining Golden Lion 3-9 claims in the same year. In 1983 all interest in the Golden Lion, Golden Lion 2, Hump and Hump 2 claims was transferred to Newmont Mines Limited. The Golden Lion 10 and 11 claims, adjoining the northern boundary of the group, were staked in 1984 by Newmont Exploration of Canada Limited.

The claims are recorded within the Liard or Omineca Mining Division as follows:

Claim	No of Units	Record No.	Record Date	Mining Division	Group
Golden Lion	20	4336	Oct 9, 1981	Omineca	GL-1
Golden Lion 2	20	4337	Oct 9, 1981	Omineca	GL-2
Golden Lion 3	12	5452	July 5, 1982	Omineca	GL-2
Golden Lion 4	9	4759	Sept 14, 1982	Omineca	GL-1
Golden Lion 5	20	5455	July 5, 1982	Omineca	GL-1
Golden Lion 6	6	5454	July 5, 1982	Omineca	GL-1
Golden Lion 7	10	5456	July 5, 1982	Omineca	GL-1
Golden Lion 8	6	2857	July 5, 1982	Liard	GL-2
Golden Lion 9	9	2875	July 5, 1982	Liard	GL-2
Golden Lion 10	6	6597	Aug 24, 1984	Omineca	GL-1
Golden Lion 11	12	6598	Aug 24, 1984	Omineca	GL-1
Hump	20	2092	Oct 5, 1981	Liard	GL-2
Hump 2	20	2093	Oct 5, 1981	Liard	GL-2



NEWMONT EXPLORATION OF CANADA LTD.		
GOLDEN LION CLAIMS		
SCALE 1:50,000	LOCATION 94 E 11 W	DATE Dec. 20, 1984
SURVEY BY	DRAWN BY D.V.	NO. 3

4.0 1984 DIAMOND DRILL PROGRAM

From July 4 to September 20th, 1984 a diamond drilling program, consisting of 2474.9 meters in 22 holes, was completed on the Golden Lion and Golden Lion 2 claims. Work was done under contract to D. J. Drilling Company Ltd. using a BBS-1 machine recovering BQ core. The drilling was concentrated in three zones with drill collar locations being controlled by transit survey from reference points on the detailed grid previously established. Figure 4 provides the locations of all drill holes. Details of the location, elevation, inclinations, azimuth, and dip tests are tabulated on the drill logs (Section 5.0). All core is currently stored at the base camp on the Golden Lion property. Drill moves were accomplished utilizing either a Hughes 500D helicopter or a John Deere 450 tractor. Considerable moving amongst the three zones was undertaken to allow sufficient turn-around time for assay results to reach the property.

Sample preparation done at the property consisted of crushing the samples of split core to approximately -4 mm, then reducing the sample by a Jones splitter to approximately 500 grams for shipment to Chemex Labs in North Vancouver. Assays for gold, silver, lead and zinc were completed at the lab using the following techniques.

ASSAY PREPARATION

1) Samples are sorted, then listed on assay sheets.

2) The entire sample is crushed first in a primary jaw crusher, then in a secondary cone crusher.

3) The crushed sample is reduced to a 200-400 gram sub-sample in a Jones Riffler, then dried.

4) The dried material is pulverized to pass a 100 mesh screen, then rolled to homogenize.

ASSAY ANALYTICAL METHODS

1) Pb, Zn (%)
A 2 gram sub-sample is digested in a hot perchloric-nitric acid mixture for two hours, cooled, then transferred into a 250 ml. volumetric flask. Nitric acid is added to the sample and standard solutions. The solutions are then analyzed on an atomic absorption instrument.

2) Ag, Au (oz/ton) Sub-sample 14.6 grams (½ assay ton). Silver and gold analyses are done by standard fire assay techniques. In the sample preparation stage the screens are checked for metallics which, if present, are assayed separately and calculated into the results obtained from the pulp assay.

Lithological interpretations and all assay data are included in the drill logs. The results of the drilling are discussed below, relative to the three zones of interest. (Figure 4)

ZONE 1: Trenching in 1983 outlined thin, strongly silicified structures in this zone, accompanied by elevated silver geochemistry and extensive silicified rubble. A total of 249.7 metres in 4 holes (#'s GL 84-12 to 15) were completed on this zone with no significant intersections of silicified or mineralized rock found. Drilling proved to be very difficult in this zone due to badly fractured and intensely clay altered ground.

ZONE 2: Broad zones of strongly anomalous silver mineralization was identified in well silicified veins and quartz-stockwork zones in 1983 trenching and rock chip geochemistry on Zone 2. Seven diamond drill holes (GL 84-1 to 4 and 16 to 18) totalling 841.6 metres were completed on Zone 2. The lapilli crystal and fragmental volcanic tuffs in this zone are cut by a number of sub-parallel eastward dipping faults which appear to be fairly continuous structures. These faults contain pinch and swell zones of intense silicification and brecciation. Swellings of quartz stockwork zones are locally

8+00 N | 7+00 N | 6+00 N | 5+00 N | 4+00 N | 3+00 N | 2+00 N | 1+00 N | 0+00 N | 1+00 S | 2+00 S | 3+00 S | 4+00 S | 5+00 S | 6+00 S | 7+00 S | 8+00 S | 9+00 S

ZONE 3

ZONE 2

ZONE 1

1S OW

1S OE

2S OW

2S OE

GOLDEN LION

2

GOLDEN LION

LEGEND

LOWER JURASSIC

3 GRANODIORITE

LOWER AND OR MIDDLE JURASSIC

SILICIFIED ZONES

2 TOODOGGONE VOLCANICS

TRIASSIC

1 TAKLA GROUP ANDESITE

DIAMOND DRILL HOLES GL-84 1-22

CLAIM LINE & I.D. POST

Rubble

SCALE

100 50 0 100 200

metres

NEWMONT EXPLORATION OF CANADA LIMITED

TOODOGGONE AREA

GOLDEN LION

DDH LOCATION AND GEOLOGY MAP

SCALE 1:5000	LOCATION 94 E/11 W	DATE Dec. 20, 1984
SURVEY BY I. CASIDY	DRAWN BY D. VISAGIE	NUMBER 4

present in rocks adjacent to the faults thereby providing the broader intersections located in the 1983 trenching or in hole GL 84-4. Quartz veinlets within the faults and stockwork zones carry pyrite, acanthite, and occasional galena, chalcopyrite or native silver. The main potential of this zone lies down dip to the east where a larger coalescing system of mineralized fault breccias may exist.

ZONE 3: Areas of silicification and quartz veining carrying coarse sphalerite and galena and returning significant gold assays, were defined as drill targets in the 1983 trenching program. Of the 9 holes (1224.2 metres) drilled in Zone 3, 6 intersected significant lengths of low grade gold mineralization associated with a feldspar pyroxene porphyry sub-volcanic intrusive. This intrusive contains a broad irregular zone of moderate to intense potassic-siliceous alteration with variable intensity of quartz-stockwork development and disseminated pyrite. Quartz veinlets contain coarse sphalerite and galena, with lesser chalcopyrite, pyrite and acanthite. Pods of massive sulphides in a quartz gangue up to 1 metre across occur within the porphyry. The low grade gold zone, as defined by the 0.020 oz/ton Au cutoff, forms a broad irregular steeply eastward dipping zone within the porphyry.

This zone is open to the north and south and at depth. The strongest potential for further development lies to the south where a 200 metre gap lies between hole GL 84-20, the best hole to date, and holes GL 84-10 and 11. Holes 10 and 11 intersected similarly altered and mineralized porphyry adjacent to mineralized fractures close to the Takla thrust zone.

Elsewhere in Zone 3, holes GL 84-6, 21 and 22 tested zones of silicification and anomalous silver values from previous work but with no significant results.

5.0 DRILL LOGS

Explanations for all abbreviations used in the drill logs are given below. All depths and intervals are expressed in metres. Planar features crossing the core (veins, faults, shear planes etc) are measured relative to 0^{o} being across the core and 90^{o} being parallel to the core axis.

MINERALIZATION

py	-	pyrite	ga	-	galena
cpy	-	chalcopyrite	sphal	-	sphalerite
ac	-	acanthite	he	-	hematite
Ag	-	native silver	gr	-	grey sulphides
ma	-	malachite	mte	-	magnetite
tr	-	trace			

ALTERATION

A	-	argillic	S	-	strong
S	-	siliceous	M	-	moderate
P	-	potassic	W	-	weak

ASSAYS

Au	-	expressed in oz/ton
Ag	-	expressed in oz/ton
Pb	-	expressed in %
Zn	-	expressed in %

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	150.0 m	HOLE NO.	GL-84-1
LOCATION	125N, 25W	collar	030°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 OF 10
ELEVATION	1864 m	150.0 m		-45°	Acid	TOTAL RECOVERY	99%	LOGGED BY	G. McLaren
LATTITUDE	124.0 N					STARTED	July 4, 1984	CLAIM	Golden Lion 2
DEPARTURE	23.9 W					COMPLETED	July 7, 1984	PURPOSE	

G McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	5.2	Casing												5.2	cas.
														7.9	100
5.2	9.1	Grey feldspar-hornblende tuff; strong argillic alteration	tr	He	S									9.1	100
		-grey feldspar phenocrysts, strongly altered to clays, and												11.0	90
		hornblende laths, set in a fine grained matrix with argillic												14.0	100
		alteration												17.0	77
		-irregular limonitic stains: trace hematite												18.6	113
		-well fractured, thin clay seams												21.6	103
														25.0	100
		7.9-9.1: fault zone, strongly fractured with abundant clay												28.0	100
		gouge												29.5	87
														30.8	100
9.1	13.1	Grey tuff, as above, weak-moderate argillic alteration			M									31.4	50
		-feldspar phenocrysts show distinct green montmorillonite												34.1	100
		alteration												35.7	95
														38.7	100
		12.6 irregular quartz-carbonate veinlet with breccia @ 50°												41.8	100
														44.8	100
13.1	14.1	Grey tuff, strong argillic alteration			S			2792	13.6	14.1	0.5	<0.003	0.46	47.8	100
														50.9	100
		13.8-14.1: bleaching and quartz-carbonate veins @ 20° with		ac										53.5	80
		minor acanthite												55.8	106
														58.8	100
14.1	17.1	Grey tuff, weak-moderate argillic alteration			M									61.9	94
		-green altered feldspar phenocrysts												63.1	100
														66.1	106
														67.6	113
														69.2	100

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
17.1	28.0	Grey feldspar tuff with weak argillic and siliceous	2	Py	W	W												70.1	90
		alteration	tr	He														71.3	100
		-green altered feldsparr phenocrysts and hornblende laths	tr	Cpy														75.3	100
		-disseminated pyrite, trace hematite, irregular limonite																77.4	100
		stains																80.5	100
																		83.5	100
		17.1-17.5: bleached moderately siliceous zone with 5 mm		py	M			2793	17.0	18.0	1.0	0.003	0.40					86.2	100
		quartz carbonate veinlet containing pyrite and acanthite		ac														87.5	100
		@ 80°																90.5	100
																		93.6	100
		18.3-18.4: vuggy quartz vein with minor pyrite @ 80°		py				2794	18.0	19.0	1.0	<0.003	0.92					96.6	93
																		99.7	100
		19.1-19.6: 50 mm green clay gouge zone followed by 20 mm		py				2795	19.0	20.0	1.0	<0.003	1.12					102.7	100
		quartz-carbonate vein containing pyrite, chalcopyrite,		cpy														105.7	100
		acanthite; weak breccia development		ac														108.8	97
																		111.8	97
		20.0: 5 mm quartz vein with pyrite, acanthite		py, ac				2796	20.0	21.0	1.0	<0.003	1.40					114.6	103
																		117.6	100
		20.6-20.8: breccia zone with quartz-carbonate matrix		py														118.0	50
		containing pyrite, chalcopyrite, acanthite		cpy, ac														120.7	100
																		123.7	103
		21.0: 15 mm quartz-carbonate vein with pyrite, chalcopyrite		py				2797	21.0	22.0	1.0	<0.003	0.08					126.8	100
		acanthite @ 50°																129.8	106
																		132.8	97
																		136.0	100
																		139.0	100

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		23.2-23.4: 20 mm quartz-carbonate vein with dark grey selvage @ 80°		py				2798	22.0	23.0	1.0	<0.003	0.07	142	102
		-pyrite, chalcopyrite, acanthite		cpy										145	100
				ac				2799	23.0	24.0	1.0	<0.003	0.89	148.4	103
		24.7-25.8: irregular limonite stain												150.0	88
								2800	24.0	25.0	1.0	<0.003	0.10	-	-
		25.8-25.9: bleached zone with moderate silicification and increased pyrite; veinlets @ 85°		py		M		2801	25.0	26.0	1.0	<0.003	0.19		
		26.5-26.7: bleached zone with moderate silicification and pyrite		py				2802	26.0	27.0	1.0	<0.003	0.03		
		27.4: quartz veinlets @ 60°						2803	27.0	28.0	1.0	0.005	0.12		
		27.6-27.9: bleached breccia zone with siliceous-calcareous matrix			W	W									
28.0	30.6	Grey feldspar tuff with moderate argillic alteration			M										
		-minor veinlets, no mineralization													
		-irregular limonite stain													
30.6	31.4	Fault zone: well fractured, clay gouge			S										
31.4	36.0	Grey feldspar tuff with moderate argillic alteration			M										
		33.0: quartz-carbonate vein with minor breccia													

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
36.0	42.5	Purple lapilli-fragmental tuff with moderate argillic alteration	5	He	M										
		-feldspar and hornblende crystals and lithic fragments set in a fine tuffaceous matrix													
		-hematite disseminated throughout													
		-irregular limonite stain													
		40.1: 5 mm quartz-carbonate veinlet @ 60°													
42.5	44.0	Grey feldspar-hornblende tuff with moderate argillic alteration			M										
		-green altered feldspar and hornblende crystals, as before													
44.0	52.0	Intercalated grey feldspar-hornblende tuff and purple lapilli tuff	2	He	M										
		-purple tuff still shows green argillic alteration of feldspars and of lithic fragments													
		-purple tuff tends to be fragmental													
		-disseminated hematite, irregular limonite stain													
		46.0 quartz carbonate vein @ 60°													
		47.8-48.1: fault zone with 3-8 mm clay gouge zones				S									
		50.6-50.9: fault zone with clay gouge				S									

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		51.8-52.0: basal contact becomes finer and includes a very																	
		fine (ash?) layer 5 cm thick, followed by fault gouge																	
52.0	150.0	Grey feldspar crystal tuff with moderate argillic alteration		He	M														
		-feldspar crystals range from white-yellow-green with alter-																	
		ation																	
		-fine hornblende crystals																	
		-all set in a gritty, tuffaceous matrix of composition sim-																	
		ilar to that of phenocrysts																	
		-this thick unit is variably altered, has numerous clay gouge																	
		zones and many quartz-carbonate veinlet and breccia zones																	
		-minor hematite is the only mineralization																	
		53.1-53.4): fault zones with clay gouge			s														
		53.8-54.0): " " " " "			s														
		55.6-55.9): " " " " "			s														
		57.8-58.3: coarser variety of same tuff; feldspar pheno-			m														
		crysts show green argillic alteration																	
		59.2: carbonate veining and brecciation																	

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		61.2-61.7: carbonate vein-breccia with trace hematite		He				2804	61.0	62.0	1.0	<0.003	0.02		
		62.1-62.2: fault with clay gouge			s										
		63.7-68.0: quartz-carbonate breccia zones with veins @ 25°						2805	64.0	65.0	1.0	<0.003	0.01		
		66.1-66.4: fault with clay gouge			s										
		67.6-68.0: " " " "			s										
		68.8: quartz-carbonate veinlets @ 20°													
		69.4: cross-cutting veins @ 70° + 35°													
		70.0: quartz-carbonate veins @ 25° followed by clay gouge			s										
		71.0-72.0: fault with clay gouge			s										
		72.4: quartz-carbonate veinlet @ 30°													
		73.5: quartz-carbonate veinlet @ 80°						2806	73.0	74.0	1.0	<0.003	0.01		
		74.4: quartz-carbonate veinlet @ 35°													

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 7

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		75.0-77.0: many breccia zones with veins @ 80° and @ 65°						2807	75.0	76.0	1.0	<0.003	0.02		
		76.5: clay gouge			s										
		77.2: " "													
		77.0: quartz-carbonate veinlet @ 65°													
		78.5: 5 cm clay gouge			s										
		80.0-80.4: fault with clay gouge			s										
		80.5-82.5: strong argillic alteration with clay gouge			s										
		83.5-84.0: clay gouge			s										
		84.7: quartz-carbonate vein @ 45°						2808	84.5	85.5	1.0	<0.003	0.02		
		84.8-84.9: quartz-carbonate breccia zone													
		85.0-86.0: 3 quartz carbonate veinlets @ 80°													
		89.2-89.4: clay gouge zones ending with quartz-carbonate vein breccia @ 45°						2809	88.0	89.0	1.0	<0.003	0.02		

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 8

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		89.9-90.3: strong shearing and argillic alteration			s										
		90.5: clay gouge			s										
		91.2: clay gouge			s										
		92.4-93.0: strong shearing and argillic alteration			s										
		93.6: 2 cm clay gouge													
		96.6-96.8: clay gouge zones			s										
		98.9-99.3: carbonate-quartz breccia zones						2810	98.5	99.5	1.0	<0.003	0.03		
		100.1-100.6: carbonate-quartz breccia zones													
		103.7: carbonate vein @ 65°													
		104.9-105.2: fracture zone, clay gouge and calcite veinlets			s										
		108.9-109.0: clay gouge			s										
		110.3-113.0: section includes a number of quartz-carbonate													
		breccia zones up to 30 cm wide, some with disseminated pyrite						2811	110.0	111.0	1.0	<0.003	0.03		
		(particularly at 110.8 and 111.1); contacts tend to be @						2812	111.0	112.0	1.0	<0.003	0.03		
		10-20°	tr	Py				2813	112.0	113.0	1.0	<0.003	0.01		

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 9

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		114.3: quartz-carbonate veinlets @ 45°																	
		114.7: clay gouge																	
		115.0-116.0: thin quartz-carbonate veinlets @ 45° + 80°																	
		117.5: quartz-carbonate veinlets @ 65°																	
		119.3-119.4: quartz-carbonate veins and breccia @ 45°						2814	119.0	120.0	1.0	<0.003	0.03						
		123.2-123.3: clay gouge																	
		125.0: quartz-carbonate veinlets @ 45°																	
		126.0: quartz-carbonate vein/breccia @ 35°																	
		127.6-127.8: quartz-carbonate vein/breccia						2815	127.0	128.0	1.0	<0.003	0.02						
		131.0: quartz-carbonate vein/breccia @ 45°																	
		132.0: quartz-carbonate vein/breccia and bleached zone 5 cm wide @ 35°						2816	132.0	133.0	1.0	<0.003	0.01						
		133.0: clay gouge and veinlet @ 60°						2817	133.0	134.0	1.0	<0.003	0.02						
		133.3: quartz-carbonate vein/breccia @ 45° with trace pyrite	tr	Py															

PROJECT: GOLDEN LION HOLE: GL-84-1 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag					RECOVERY RUN	RECOVERY %
		135.5: quartz-carbonate vein/breccia @ 45°																	
		137.1: quartz-carbonate vein/breccia @ 45°																	
		140.3: quartz-carbonate vein/breccia																	
		143.0: quartz-carbonate vein @ 90°																	
		143.5-143.8: strong brittle fracture zone																	
		145.8: quartz-carbonate vein @ 35°																	
		146.6-146.8: fracture zones with quartz-carbonate veining																	
		147.2-147.4: " " " " " "																	
		-this 'grey tuff' unit is locally mottled with purple hematite or green clay/chloritic alterations																	
		-grain size also varies from fine to intermediate, with local lapilli fragmental horizons																	
		-argillic alteration of the rock is relatively uniform (execpt along shear-fracture-clay gouge zones) however saussuritization of the feldspars varies from complete replacement to local zoned replacements																	
		150.0 END OF HOLE																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	111.6 m	HOLE NO.	GL-84-2
LOCATION	185N 125E	collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 OF 5
ELEVATION	1850 m	111.6		-45°	Acid	TOTAL RECOVERY	94%	LOGGED BY	G. McLaren
LATITUDE	191.6N					STARTED	July 8/84	CLAIM	Golden Lion 2
DEPARTURE	115.0E					COMPLETED	July 10/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	27.7	Casing												27.7	cas.
27.7	52.3	Grey feldspar porphyry with weak argillic alteration	2	He										29.6	63
		-white to yellow feldspar phenocrysts up to 1 cm across, with	tr	Py										32.6	47
		smaller hornblende phenocrysts set in a very fine, dark grey												35.6	107
		matrix												38.7	103
		-feldspars weakly corroded by clays												41.8	100
		-hematite disseminated throughout; traces pyrite												44.8	100
		-fairly massive competent unit with brittle fracturing and												47.8	100
		thin carbonate breccia-vein zones												50.9	100
														53.9	70
		35.0: 5 cm carbonate vein @ 45°						2820	35.0	36.0	1.0	<0.003	0.06	56.1	95
														58.5	100
		38.5-40.5: yellow staining of feldspar phenocrysts and of the	tr	py				2821	39.0	40.0	1.0	<0.003	0.10	60.0	80
		rock in general; traces pyrite												61.0	50
														63.4	100
		38.7: 3 cm clay gouge												66.1	100
														69.2	97
		41.8: 3 cm clay gouge												71.9	95
														78.3	95
		45.8: carbonate vein and fracturing @ 90°						2822	45.0	46.0	1.0	<0.003	0.01	79.8	95
														82.9	95
		51.0: feldspar phenocrysts become distinctly green due to			M									85.6	95
		clay and chlorite alteration												88.7	100
														90.5	89
														93.6	100
														96.6	103
														99.1	100
														102.1	103

PROJECT: GOLDEN LION HOLE: GL-82-2 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
52.3	52.5	Brown lapilli-fragmental tuff			M									105.2	100
		-sharp contact with a finer grained feldspar hornblende tuff,												108.2	100
		similar to the above, but with reddish brown matrix and												108.5	100
		fragments of feldspar porphyry												111.6	100
		-feldspars show green montmorillonite alteration												-	-
52.5	54.0	Fault zone, intensive green clay alteration and gouge zones			S										
		well fractured, minor quartz veining													
54.0	78.0	Grey-brown crystal tuff with moderate argillic alteration	2	He	M										
		-medium to fine grained feldspar hornblende tuff with minor	tr	Py											
		quartz, set in a very fine tuffaceous matrix													
		-feldspars are green and altered to montmorillonite/chlorite													
		-disseminated hematite common													
		-irregular bleaching to an orangish colour (potassic alter-													
		ation?) carries increased pyrite content													
		-thin fractures with intense clay alteration and or carbonate													
		veinlets in different directions													
		58.2: carbonate vein/breccia @ 35°						2823	56.0	57.0	1.0	0.012	0.23		
		59.8: carbonate vein/breccia @ 65°													
		61.0: clay gouge			S										
		61.8: carbonate vein @ 65°													
		63.9: carbonate vein/breccia for 10 cm						2824	63.0	64.0	1.0	0.006	0.03		
		64.9: carbonate vein/breccia													

PROJECT: GOLDEN LION HOLE: GL-84-2 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH							RECOVERY RUN	RECOVERY %
		65.5: microfractures, carbonate veinlets and breccia at 10°						2825	65.0	66.0	1.0	0.016	0.42						
		68.6: veins @ 45°																	
		69.6-70.0: microfractures carbonate veinlets and breccia @ 10°						2826	69.0	70.0	1.0	0.016	0.06						
		71.5-72.5: breccia with carbonate matrix						2827	73.0	74.0	1.0	0.010	0.13						
	**	N.B. Boxes #7 & 8 dropped by driller's helper hence core is reconstructed to a "best fit" from 71.5 to 85.0 -all measurements approximate in this section																	
		77.0: rock becomes dominantly a grey lapilli tuff and then grades into a brecciated contact with purple tuff																	
78.0	79.3	Intercalated grey lapilli tuff and purple crystal tuff, both with moderate argillic alteration -hornblende is common in grey tuff but has been broken down to form hematite to colour the purple tuff -some breccia zones with a carbonate matrix -carbonate veins @ 10-30°	2	He	M														
79.3	82.0	Purple crystal tuff with strong argillic alteration -well fractured with strong clay alteration in fractures -quartz veining/brecciation with lesser carbonate -fracturing and brecciation with clay matrix increases to 82.0	2	He		S													

PROJECT: GOLDEN LION HOLE: GL-84-2 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
82.0	85.6	Fault zone			S			2828	84.0	85.0	1.0	0.012	0.09		
		-intense grey argillic alteration with remnant fragments of purple lapilli tuff													
		-pure clay gouge zones up to 8 cm wide													
		-quartz veins @ 0-10° within the gouge													
85.6	87.6	Intercalated purple and grey tuffs with moderate argillic alteration	He		M										
		-fine white feldspar crystals and minor quartz													
		-fine hornblende crystals in grey tuff, break down to hematite in purple tuff													
		-locally brecciated and irregularly veined													
87.6	96.0	Grey crystal tuff, moderate to weak argillic alteration			W			2829	89.0	90.0	1.0	0.006	0.03		
		-fine grained feldspar crystals with lessor hornblende and minor quartz set in a fine gritty matrix													
		-some mottled textures due to bleaching adjacent to carbonate filled fractures													
		-veining and fracturing quite irregular													
		93.0-95.0: intermittent shear zones with intense clay alteration up to 0.5 cm wide			S										
96.0	111.6	Green-grey crystal tuff, moderate propylitic alteration													
		-similar to overlying tuff, but is now olive green coloured due to montmorillonite/chlorite alteration													
		-green feldspar crystals set in a fine grained green-grey matrix													
		-carbonate veining still irregular													

PROJECT: GOLDEN LION HOLE: GL-84-2 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		103.2: quartz vein with trace pyrite and limonite at 80-90°	tr	py				2830	103.0	104.0	1.0	0.016	0.12						
		107.0-108.0: areas of strong clay alteration and shearing				S		2831	107.0	108.0	1.0	0.006	0.05						
		111.6 END OF HOLE																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	84.4 m	HOLE NO.	GL-84-3
LOCATION	165N 80E	collar	194°	-45	Compass	CORE SIZE	BQ	SHEET NO.	1 of 6
ELEVATION	1853 m	84.4		-45°	Acid	TOTAL RECOVERY	97%	LOGGED BY	G. McLaren
LATITUDE	166N					STARTED	July 12/84	CLAIM	Golden Lion 2
DEPARTURE	88E					COMPLETED	July 13/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0.0	9.1	Casing												9.1	cas
9.1	22.4	Orange-grey feldspar hornblende tuff with strong argillic alteration	5	He		S								12.5	91
		-feldspar phenocrysts are well altered to clay and carbonates and have an orange colour (Fe carbonates?) giving the dominant rock colour												15.2	93
		-also black hornblende crystals, minor quartz and disseminated hematite												17.3	81
		-all set in grey, fine tuffaceous matrix												20.4	100
		-locally feldspar phenocrysts become green and no longer fizz under dilute (montmorillonite alteration), particularly at 13.5-14.0 HCl 19.8-20.2												23.5	100
														26.5	100
		12.2-12.5: clay gouge				S								29.6	100
														32.6	100
		14.7-15.2: clay gouge with quartz veining				S	M	2832	14.5	15.5	1.0	0.010	0.09	35.7	100
		-moderate orange silicification around quartz veins, 1 cm wide												38.7	100
														41.8	100
		17.3: clay gouge 4 cm wide				S								44.8	100
														47.9	94
		18.0: clay gouge 5 cm wide				S								50.9	100
														53.9	100
		19.6: 6 cm breccia zone with calcareous matrix												57.0	100
														60.0	100
														63.1	100
														66.1	93
														66.7	80
														67.6	88
														69.2	84
														72.2	100
														75.3	100
														78.3	100
														81.4	100
														84.4	100

PROJECT: GOLDEN LION HOLE: GL-84-3 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		20.7: green montmorillonite alteration of rock (mainly feldspars) becomes dominant for remainder of section													
		21.2-21.6: sharp contact @ 45° with strongly bleached and silicified section						2833	21.0	22.0	1.0	0.012	0.09		
		-green feldspars and remnant tuffaceous texture still visible													
		-weakly calcareous													
		-trace hematite													
		-grades back to grey-green tuff													
		22.3: clay gouge seam			S										
22.4	27.0	Silicified breccia with hematite matrix, cut by quartz veins	4	He		S	S								
		-fragments of bleached, silicified and potassic altered feldspar tuff (above)	2	Py											
			tr	Ga											
		-matrix is fine grained, purple and hematitic	tr	Ac											
		-silicified sections show pale green-orange fragments and matrix cut by quartz veins													
		-pyrite, hematite disseminated throughout													
		-traces of galena and acanthite in veins and fragments													
		-veins not well bounded, but do show multiple fracture directions													
		22.6-23.0: strongly silicified grey				S		2834	22.0	23.0	1.0	0.10	1.61		
		23.1: vuggy quartz vein @ 65°													
		25.5: breccia becomes finer with more tuffaceous matrix but still has hematite and pyrite and is moderately siliceous		he		M		2835	23.0	25.0	2.0	<0.003	0.28		
				py											
		25.7: clay gouge			S			2836	25.0	26.0	1.0	<0.003	0.26		

PROJECT: GOLDEN LION HOLE: GL-84-3 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		83.4: 2.5 cm carbonate vein breccia @ 35°																	
		84.4 END OF HOLE																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	98.1 m	HOLE NO.	GL-84-4
LOCATION	100N 85E	collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 9
ELEVATION	1879 m	98.1		-47°	Acid	TOTAL RECOVERY	97%	LOGGED BY	G. McLaren
LATITUDE	95.6N					STARTED	July 14/84	CLAIM	Golden Lion
DEPARTURE	78.4E					COMPLETED	July 16/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag					RECOVERY RUN	RECOVERY %
0	10.0	Casing																10.0	cas
10.0	24.0	Grey feldspar-hornblende tuff, weak-moderate argillic alteration			M													11.3	100
		-coarse feldspar phenocrysts varying from green montmorillonite alteration to yellow-orange carbonate-clay alteration																14.3	90
		-medium hornblende crystals																16.8	88
		-all set in a grey, gritty matrix																19.8	105
		-white carbonate fracture and matrix fillings locally																20.4	95
																		23.2	95
		11.6: grey quartz vein 1 cm wide @ 45°, within bleached zone 8 cm wide																26.5	88
																		29.4	100
		13.0: 1 cm clay gouge				s												32.0	100
																		35.0	103
		14.3: 10 cm clay gouge				s												36.3	85
																		39.9	88
		14.6: 1 cm clay gouge				s												43.0	100
																		46.0	100
		17.0: 20 cm clay gouge with carbonate veinlet @ 30°				s		2848	17.0	18.0	1.0	0.006	0.17					47.9	100
																		50.9	100
		18.9: quartz-carbonate veinlet + bleached zone 6 cm wide @ 30°																54.0	100
																		57.0	100
		20.0: becomes purplish and hematitic locally		he														60.0	103
																		63.1	100
		23.8-24.0: quartz vein/breccia @ 90°																66.1	100
																		69.2	100
																		72.2	84
																		75.0	90
																		76.8	95
																		77.4	85
																		78.3	70

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
24.0	29.0	Fault Zone																81.1	100
		-intense shearing, clay alteration and clay gouge zones within feldspar-hornblende tuff				S												84.1	100
																		87.2	100
																		90.2	100
		25.0: 6 cm grey quartz vein within clay gouge with disseminated pyrite, chalcopyrite, acanthite, galena(?) hematite		py				2849	25.0	26.5	1.5	0.010	0.83					92.0	100
				cpy														95.1	100
				ga														98.1	100
				ac														-	-
		25.2: 5 cm grey quartz vein as above		he															
		25.0-26.5: grey green silicified zone within the clay alteration with disseminated euhedral pyrite cubes		py		M													
29.0	35.0	Porphyritic feldspar-hornblende tuff	2	He															
		-varies from grey-green to limonitic brown stain																	
		-hematitic																	
		-carbonate matrix filling locally																	
		32.0-33.0: strong bleaching and clay alteration			s			2850	32.0	33.0	1.0	<0.003	0.01						
		-some silicification				w													
		-irregular carbonate veinlets																	
		33.2: 5 mm carbonate vein @ 30°																	
		35.0: 5 cm clay gouge																	

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
35.0	36.3	Fine grained brown tuff, strong argillic alteration			S										
		-brown feldspars and minor quartz set in a very fine matrix													
		-clay gouge zones													
		-carbonate veinlets													
		36.3: finish with 15 cm clay gouge zone													
36.3	38.2	Intensely silicified vein and breccia zone		Py		S	S								
		-country rock is intensely silicified, potassically altered		Cpy											
		and bleached to grey-buff colour with only remnant tuff-		Ac											
		aceous textures													
		-cut by multi directional quartz veining, usually less than													
		1 cm and non-banded, but contain some breccia fragments													
		-locally veins swell to 2 cm													
		-pyrite weakly disseminated through the siliceous host													
		-pyrite, chalcopyrite, acanthite in veins													
		-some veins very dark grey													
		-veins tend to be @ 35° or less													
		-minor, very thin carbonate veinlets													
		36.3: 12 cm zone of brecciation veining and dark grey vein		py		s	s	2851	36.0	37.0	1.0	0.008	8.71		
		mineralization - pyrite, acanthite		ac											
		-mineralization drop quickly after this vein is passed													
		37.6: intense veining ends, passing into silicified breccia		he		s	s	2852	37.0	38.0	1.0	<0.003	0.98		
		zone with bleached fragments of tuff													
		-feldspars are dark green													
		-more carbonate veinlets													
		-matrix is brown-purple with some disseminated hematite													

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		-sharp basal contact with a fragmental rock of variable silicification													
38.2	40.0	Yellow-orange intensely argillically altered tuff			S			2853	38.0	39.0	1.0	0.006	0.25		
		-strong red limonitic clay seams and alteration													
		-soft green montmorillonite alteration of feldspars						2854	39.0	40.0	1.0	<0.003	0.20		
40.0	57.0	Feldspar-hornblende lapilli fragmental tuff with variable silicification, bleaching, potassic and clay alteration			M	M	M								
		-large phenocrysts of feldspar and hornblende and some lithic fragments distributed throughout													
		-feldspars tend to be partially altered from pink to bright green to olive													
		-matrix variably bleached from grey brown to pale pink, usually associated with quartz carbonate veining													
		-silicification varies irregularly throughout as well						2855	40.0	41.0	1.0	<0.003	0.16		
		41.3: quartz veinlet 8 mm wide with disseminated acanthite		ac				2856	41.0	42.0	1.0	0.008	0.45		
		(?) within bleached zone showing weak siliceous breccia @ 55°		py											
		-disseminated pyrite		py											
		42.4: 8 cm veinlet, simlar to 41.3				s		2857	42.0	43.0	1.0	0.008	1.17		

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		45.6: grey hematite-quartz veinlet @ 70°		he		s		2858	43.0	44.0	1.0	<0.003	0.08		
		45.5: unit becomes a coarse fragmental locally, initallly with quartz (not carbonates) filling open spaces -fragments continue to end of interval				s	s	2859	44.0	45.0	1.0	<0.003	0.12		
								2860	45.0	46.0	1.0	0.010	1.85		
								2861	46.0	47.0	1.0	<0.003	0.32		
		45.8-45.9: quartz veining and breccia, dark grey with acanthite (?)		ac		s		2862	47.0	48.0	1.0	<0.003	0.2		
		48.1: bleached fragment contains a thin veinlet of acanthite (does not extend outside fragment)		ac		s	s	2863	48.0	49.0	1.0	0.006	1.43		
		48.5: 3 mm quartz vein with acanthite @ 30°		ac		s									
		48.9: quartz vein, minor brecca with chalcopyrite, pyrite, acanthite		py ac cpy		s									
		49.3: quartz vein with dense accumulation of acanthite, native silver(?), pyrite, and galena, 5-6 mm wide @ 65°		Ag(?) py ga				2864	49.0	50.0	1.0	<0.003	4.4		

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag					RECOVERY RUN	RECOVERY %
		49.9: good quartz-carbonate breccia																	
		-dark grey quartz and later stage calcite filling vein																	
		-considerable pyrite																	
		-vein @ 10°																	
		49.5: quartz-carbonate vein @ 45°																	
		50.6: quartz-carbonate veins @ 25° and 60°																	
		51.0: End of silicified and mineralized zone			m	w	w												
		-no bleaching, less veining, potassic alteration weakens																	
		-veins become much more carbonate rich																	
		-host rock is still a lapilli fragmental tuff as before,																	
		with brown-purple matrix																	
		-green montmorillonite alteration of feldspars																	
		53.5: 2 cm white quartz vein @ 60°																	
		54.5: quartz-carbonate vein @ 25°																	
		54.9: carbonate vein @ 45°																	
		57.0: quartz-carbonate vein @ 0°																	
57.0	59.8	Fine grained, greenish brown feldspar crystal tuff with weak	tr	He	W														
		argillic alteration																	
		-feldspar phenocrysts generally altered to pale green, with																	
		a few altered hornblende crystals, set in a very fine																	
		bleached matrix																	

PROJECT: GOLDEN LION HOLE: GL-84-3 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		26.0: 5 mm quartz vein @ 35°													
		26.1-26.3: strong silicification and quartz veining with pyrite		py		S		2838	26.0	27.0	1.0	<0.003	0.48		
		26.6: 10 cm green clay gouge													
		26.8: moderate silicification, breccia and pyrite, grades into grey tuff		py		M									
27.0	73.6	Green-grey, feldspar-hornblende tuff, montmorillonite argillic alteration -green feldspar phenocrysts in a fine, clay-altered matrix -varying colour reflects varying intensity of alteration -minor irregular carbonate veining and brecciation -grain size varies from medium to fine but general textures remains similar throughout			M										
		31.6: fine fractures with limonite alteration @ 45°													
		32.6: carbonate veinlet @ 45°													
		33.1: " " " "													
		34.1: " " " 10°													
		35.0: " " " 0°													
		37.0-43.0: numerous fractures, veinlets and breccia zones with carbonate fillings -locally stockwork developed						2839	37.0	38.0	1.0	0.006	.03		

PROJECT: GOLDEN LION HOLE: ~~GL-84-4~~ NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 7

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		-irregular bleaching and staining from pale green to brown to purple																	
		-very fine fractures can develop stain selvages 2 cm wide but x-cutting larger veinlets produce no alteration																	
		-trace hematite																	
		57.2: carbonate veinlets with dark purple alteration selvages @ 25° + 65°						2865	57.0	58.0	1.0	<0.003	0.06						
		57.4-58.2: carbonate veins @ 40-50°																	
		58.6-59.0: zone of thin (5 mm) grey quartz and quartz-carbonate veins locally containing distinct grains of chalcopyrite and traces of malachite		cpy mal				2866	58.0	59.0	1.0	<0.003	0.10						
		-weak silicification of host																	
		-well fractured																	
		-vein/breccia up to 15 cm wide																	
		59.6: carbonate vein @ 45°																	
59.8	72.2	Grey-purple lapilli/fragmental tuff with moderate argillic alteration	4	He	M														
		-coarse feldspar phenocrysts from white to altered green, with finer hornblende phenocrysts set in a fine tuffaceous matrix																	
		-fragments of same tuff, up to 5 cm across																	
		-clay alteration varies considerably, often strong in fragments																	
		-disseminated hematite varies with purple colour																	

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 8

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		60.8: carbonate vein @ 45°												
		61.0: quartz carbonate vein breccia, 15 cm, @ 45°												
		63.1: 5 cm clay gouge		s										
		65.0: becomes purple lapilli tuff with only a few fragments												
		-no veining												
		68.5: becomes much finer purple tuff, no phenocrysts but still fragmental												
		69.2, 69.5, 69.6: clay gouge seams		s										
		70.0: back to lapilli size crystals					2867	71.0	72.0	1.0	<0.003	0.18		
72.2	79.1	Shear zone, in grey feldspar hornblende tuff with strong argillic alteration												
		-similar tuff to the overlying but finer grained grey												
		-strongly fractured and altered to clay												
		-gritty matrix												
		-few veins												
		74.7: irregular veins of soft olive-yellow clay (?)					2868	74.0	75.0	1.0	<0.003	0.04		
		75.8-76.7: weakly altered grey tuff												
		76.8-77.5: clay alteration and gouge seams		s										
		78.3, 78.5, 79.1: clay gouge seams		s										

PROJECT: GOLDEN LION HOLE: GL-84-3 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		39.2: carbonate veins @ 35° cut by veins @ 80°													
		-traces of disseminated pyrite in host rock	tr	py											
		40.0: 5 mm carbonate veinlet @ 10°													
		40.4: carbonate veinlets @ 80°													
		41.7-42.8: carbonate vein @ 90°						2840	41.0	42.0	1.0	0.006	.05		
		43.1-43.3: 1 cm carbonate vein @ 10°													
		43.8: fracture zones, carbonate veinlets @ 80°													
		44.6: 1 cm carbonate veinlet @ 10°													
		46.3: three 1 cm carbonate veinlet @ 40-60°													
		47.9: carbonate veinlet @ 45°													
		48.2: 1 cm carbonate vein/breccia @ 45°						2841	48.0	49.0	1.0	0.012	.11		
		48.5-48.6: breccia zone with carbonate matrix													
		50.6-50.9: shear zone, intense clay alteration			S										
		52.0-52.4: shear zone, intense clay alteration			S										
		54.4-54.6: breccia with quartz-calcite matrix and clay gouge; trace pyrite	tr	py				2842	54.0	55.0	1.0	<0.003	0.08		
		55.4: 1 cm carbonate vine @ 35°													

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PROJECT: GOLDEN LION HOLE: GL-84-3 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		59.1: breccia with carbonate matrix													
		60.0: many fractures and carbonate micro-veinlets						2843	62.0	63.0	1.0	<0.003	0.12		
		64.2-64.4: breccia with carbonate matrix													
		66.5-70.2: considerable breccia with carbonate matrix						2844	67.0	68.0	1.0	<0.003	0.10		
		69.0: becomes strongly hematitic with reddish staining						2845	68.0	69.0	1.0	0.006	0.09		
		72.6: 1 cm carbonate vein and clay gouge @ 80°						2846	72.0	73.0	1.0	0.003	0.20		
		Gradational contact as grey tuff becomes more clay-altered and hematitic													
73.6	74.9	Purple, feldspar crystal tuff with strong argillic alteration -considerable disseminated hematite	8	He	S			2847	73.0	76.0	1.0	0.008	0.13		
74.9	75.5	Shear zone in feldspar tuff with intense clay alteration and minor irregular quartz veining			S										
75.5	75.8	Green, siliceous feldspar tuff -silicification adjacent to the above shear zone -chloritic alteration of matrix -disseminated pyrite	2	Py		S									
75.8	84.4	Grey-green tuff with weak argillic alteration -return to same feldspar tuff as in previous thick section but without the strong carbonate stringers and alteration seen at the base of that section			W										
		78.5-78.6: shear zone, clay gouge			S										

PROJECT: GOLDEN LION HOLE: GL-84-4 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 9

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
79.1	98.1	Grey feldspar crystal tuff with weak-moderate argillic alteration		M										
		-medium to fine grained feldspars (white to pale green) and hornblende phenocrysts in fine grey tuffaceous matrix												
		79.7-80.2: fractures and clay alteration with carbonate-clay veinlets, many @ 45°		S										
		82.4-82.8: fractures, clay alteration and gouge, carbonate veins		S										
		84.3: 3 cm carbonate vein and shearing @ 25°					2869	84.0	85.0	1.0	0.006	0.05		
		85.7-86.0: clay gouge and alteration												
		87.1-87.4: clay alteration and green veinlet @ 90°												
		88.0-88.5: coarse breccia with carbonate matrix, veins trend @ 80°					2870	88.0	89.0	1.0	<0.003	0.06		
		89.8-90.2: clay alteration and irregular carbonate veinlets		S										
		90.7: 1 cm green veinlet @ 45°												
		91.7-92.0: shearing @ 45° clay alteration		S										
		96.9: carbonate filling in shear zone @ 70-75°												
		97.3: carbonate vein @ 30°												
		98.1: END OF HOLE												

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	181.4 m	HOLE NO.	GL-84-5
LOCATION	500N 140E	collar	030°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 20
ELEVATION	1771 m	91.0		-45°	Acid	TOTAL RECOVERY	95%	LOGGED BY	G. McLaren
LATTITUDE	500.0N	181.4		-45°	Acid	STARTED	July 17/84	CLAIM	GOLDEN LION 2
DEPARTURE	140.0E					COMPLETED	July 20/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	10.1	Casing												10.1	Cas
														10.4	-
10.1	92.0	Brown-greybrown massive feldspar porphyry with variable	5	He	W	S	S							11.3	11
		argillic-potassic-carbonate alterations	1	Py										13.1	44
		-possibly a sub-volcanic intrusive or a massive flow unit	1	Mte										14.3	50
		-phenocrysts up to 5 mm of euhedral feldspar and pyroxene												14.8	50
		crystals, crowded together in a fine matrix and often												17.1	74
		showing trachytic textures												20.3	100
		-pyroxenes are typically grey-white, octahedral and have a												23.5	100
		clay-carbonate alteration												26.5	105
		-feldspars have elongate laths with either green montmoril-												28.3	95
		lonite or pink potassic alteration												29.9	105
		-minor black hornblende laths												32.6	96
		-myriad of microfractures with carbonate alteration or vein-												35.7	97
		lets												38.7	100
		-the fine matrix often has a pervasive pink potassic alter-												40.8	100
		ation												42.4	100
		-hematite is common throughout varying from 1-8%												44.8	100
		-magnetite also common up to 5%												47.8	100
		-disseminated pyrite												50.9	100
														53.9	105
		NB: CORE IS VERY SHATTERED FOR FIRST 17 METRES HENCE												56.7	100
		RECOVERY IS POOR..												60.0	95
														63.1	97
		-host rock appears to be the same unit throughout with												66.1	100
		major differences coming through the degree of silicifi-												69.2	100
		cation and potassic alteration and through the intensity of												72.2	100
		veining												75.3	100

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-subheadings in the following description will highlight																76.5	84
		these differences																78.3	100
		10.1: Weak Potassic Alteration					w											81.4	100
		-limonitic stain																84.4	100
																		87.5	100
		13.2: quartz-carbonate vein/shear @ 75°																90.5	100
																		93.6	81
		15.0: Moderate Potassic Alteration					M	2871	15.0	17.0	2.0	<0.003	0.12	0.01	0.03			96.6	80
																		98.8	100
		15.5: 5 cm quartz-carbonate breccia with strong alteration	tr	py														101.8	100
		selvage and trace pyrite																104.8	100
																		108.0	100
		16.9: 5 cm quartz-carbonate vein @ 0°																111.2	100
																		111.9	88
		20.0: Moderate Argillic Alteration			m													114.9	100
		-feldspars show a green montmorillonite alteration, and																116.7	100
		matrix is soft, contains clays																119.8	100
		-pyroxenes show clay and carbonate alteration																122.8	105
																		124.7	100
		20.0: very fine carbonate veinlets @ 45°-60°																127.1	100
																		129.8	95
		21.2-21.5: thin 1-3 mm veinlets with distinct pink selvages		ac				2872	21.0	23.0	2.0	<0.003	0.38	0.01	0.03			132.9	100
		@ 65-75°																135.6	100
		-minor carbonate veinlets with disseminated fine grey																138.7	94
		sulphides (acanthite?)																141.7	100
																		144.8	92
		22.3-22.6: thin fractures with pink selvages and trace																147.8	104
		grey sulphides @ 65-75°																148.7	100
																		151.5	100
		23.0: bleached fracture with carbonate veinlet @ 70°																153.6	100
																		156.0	100
																		158.2	100

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PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		23.3: carbonate vein/breccia @ 60° also crosscutting																160.6	95
		fractures with black and hematitic alteration @ 60°																163.6	100
																		166.7	100
		25.0: Strong Potassic Alteration			m	s	s											169.5	100
		-rock becomes pervasively altered to pink colour, much																172.5	100
		harder, with intense selvages along quartz veins																175.7	100
		-well fractured with clay alteration in fractures																178.9	105
		-quartz veins at irregular angles locally becoming a stock-																184.4	95
		work																-	-
		-quartz may be grey-cream-white in different veins																	
		-local disseminated grey sulphides and trace pyrite	tr	py															
				gr															
		25.8: quartz veins @ 60°						2873	25.0	27.0	2.0	0.008	0.79	0.03	0.13				
		26.6: 7 cm strongly silicified zone with acanthite		ac		s	s												
		pyrite @ 65°																	
		28.2: thin quartz carbonate veinlets with acanthite						2874	28.0	30.0	2.0	0.008	0.85	0.09	0.14				
		29.1-29.3: breccia zone, quartz matrix																	
		29.3-29.5; quartz vein, silicified zone with pyrite,		py		s	s												
		acanthite		ac															
		-finish in clay gouge																	
		-hematite veinlet in fracture @ 40°		he															

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		30.0: grey quartz vein @ 80°																	
		30.7: Strong Argillic Alteration	5	he		s													
		-distinct green altered feldspar crystals set in a fine grey-brown matrix																	
		-hematitic																	
		31.7: Intense Potassic Alteration				s	s												
		-bright pink feldspars set in a fine pink matrix																	
		31.7: crosscutting quartz-carbonate veins @ 65° and 45°																	
		32.0: increase in pyrite	3	py															
		33.3: 1 cm quartz-carbonate vein @ 65° offset by vein @ 0°						2875	33.0	35.0	2.0	0.006	0.09	0.01	0.03				
		34.0-34.1: series of 3 mm quartz-carbonate veins @ 55°		py															
		-minor grey sulphides, pyrite		gr															
		34.3: fractures, fine veinlet @ 45°																	
		34.9: irregular fractures with clay @ 55°																	
		35.0: quartz-carbonate vein @ 0°																	
		35.2: pink calcite fracture fillings																	
		35.6: 5 mm quartz carbonate veinlet @ 85°				m	m												

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		36.5: Moderate Potassic Alteration																	
		-feldspars are pink but matrix is weakly altered, commonly a mottled grey due to carbonates																	
		-irregular zones of intense potassic alteration																	
		37.2-37.4: intense potassic altertaion					s												
		37.6: 5 mm quartz veinlet @ 55°																	
		39.5: pink calcite vein, 8 mm @ 45°																	
		39.8-39.9: quartz-carbonate breccia matrix						2876	39.0	41.0	2.0	0.003	0.08	0.01	0.05				
		40.4-40.7: strong potassic alteration		py		s	s												
		silicification with pyrite disseminated through grey quartz veinlets																	
		40.9-41.1: 5 mm quartz-carbonate veinlet with grey sulphide, pyrite and amethystine quartz @ 80°		py gr															
		41.4: 5 mm dark grey quartz-carbonate vein @ 60°; pink selvages																	
		41.9-42.0: thin veinlets/fractures @ 35-45°																	
		42.0: 5 mm quartz-carbonate vein with acanthite in a clay altered shear zone @ 45°		ac	s														
		42.6: clay altered fracture zone @ 50-70°			m														

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		42.7: 5 mm quartz-carbonate veinlet @ 45°																	
		43.2: quartz-carbonate veinlet @ 25°																	
		43.4: fractures @ 45°																	
		44.2: quartz-carbonate vein @ 30°																	
		44.5-44.9: series of 5-10 cm pink carbonate veinlets @ 40-50°					m												
		-chloritic alteration at vein edges																	
		-pink potassic selvages																	
		NB: VEINS NOW START TO SHOW GREEN CHLORITE ALTERATION ALONG CONTACTS WITH WALL ROCK																	
		-pyroxenes also show chloritic alteration																	
		45.2: irregular quartz-carbonate vein with distinct green chlorite alteration at edges																	
		46.3-46.5: banded quartz-carbonate vein with chlorite @ 20°, cut by anastamosing veinlets @ 60°																	
		46.5: Weak Irregular Potassic Alteration			m		w												
		-potassic altertaion of feldspars decreases and green montmorillonite alteration increases																	
		-clay alteration in fractures																	
		47.7: 10 cm clay gouge seam @ 50-60°			s														

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 7

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		48.8-49.0: fractures with clay alteration @ 50° + 80°			s													
		49.8: clay gouge @ 25°			s													
		50.5: hard, potassic altered rock with grey quartz-carbonate vein @ 60°				s	s	2877	50.0	52.0	2.0	0.003	0.01	<0.01	0.02			
		51.7-51.8: 10 cm carbonate veinlet @ 75°																
		55.3: 8 cm potassic-siliceous altered rock with quartz-carbonate vein @ 90° containing grey sulphide		gr		s	s											
		56.5: quartz-carbonate vein, 5-8 cm, @ 80° in potassic altered rock -disseminated pyrite, chalcopyrite, acanthite(?), native silver(?)		py cpy ac(?) Ag(?)		s	s	2878	55.0	57.0	2.0	0.006	0.11	0.07	0.04			
		56.9-57.1: potassic-siliceous alteration with pyrite and irregular quartz veining -strong potassic selvages		py		s	s											
		60.7: grey quartz vein @ 50°						2879	60.0	62.0	2.0	<0.003	0.04	<0.01	0.04			
		61.0: argillic alteration of grey-brown rock, with feldspars and pyroxenes as before -calcite in matrix occasionally -massive, little veining			m													
		66.4: grey-pink carbonate vein @ 55°																

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 8

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		66.7-67.0: clay alteration and gouge in shear zone @ 40°			s														
		70.5: clay in fractures @ 75-80°						2880	70.0	72.0	2.0	<0.003	0.06	<0.01	0.01				
		-green chloritic alteration																	
		71.0: carbonate veinlets @ 20° + 45°																	
		74.8; carbonate vein/breccia @ 35°																	
		75.6: 6mm clay gouge @ 45°			s														
		78.3: shear zones with weak clay gouge, carbonate veining			w		w	2881	77.0	79.0	2.0	0.003	0.36	0.01	0.02				
		and weak potassic stain																	
		79.1: strong clay alteration + gouge @ 80°			s														
		82.3: clay gouge + carbonate veinlet @ 70°			s														
		86.9: clay gouge @ 0° but fractures with potassic selvages			s			2882	86.0	88.0	2.0	0.006	0.07	<0.01	0.02				
		@ 80°																	
		89.5: Strong Potassic Alteration				s	s												
		-pervasive pink alteration and silicification of host rock																	
		-thin clay alteration along fractures																	
		91.0-92.0: intense argillic alteration zone with minor vein-			s			2883	90.0	92.0	2.0	0.012	0.09	0.01	0.04				
		lets producing potassic alteration selvages, then strong																	
		shearing and clay gouge @ 70° before contact with siliceous																	
		zone																	

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 9

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
92.0	96.8	Zone of intense silicification and quartz veining		Py		s	s												
		-well fractured and re-healed by silica		cpy															
		-few lithic clasts with very little original texture		Ac?															
		-varies from dark grey to black to pale green		Sphal?															
		-dark grey sections contain pyrite, chalcopyrite, and acanthite?																	
		-also very fine grained, honey-brown non-metallic-sphalerite?																	
		-red hematitic stain along fracture																	
		92.0-93.6: intense black sileceous rocks						2884	92.0	93.0	1.0	0.008	2.39	1.28	2.22				
								2885	93.0	94.0	1.0	0.004	2.54	0.87	0.79				
		93.6: still silicified, but takes on a pale green appearance		py		s	s												
		with minor breccia		cpy															
		-spots of pyrite, chalcopyrite, and grey sulphide		gr															
		94.2-94.6: good grey quartz with sphalerite(?)		sphal		s	s	2886	94.0	95.0	1.0	0.004	2.14	0.54	0.43				
		94.6-95.3: pale green, siliceous with red hematitic		py		s		2887	95.0	96.0	1.0	<0.003	0.24	0.08	0.06				
		fractures and some disseminated pyrite		he															
		95.3-96.3: strongly sililicified breccia with lithic		py		s		2888	96.0	97.0	1.0	0.003	0.64	0.11	0.18				
		fragments showing vague remnant textures of brown porphyritic		gr															
		host																	
		-includes one fragment of pyrite-grey sulphide																	
		-finish in intense white silicification with disseminated pyrite																	

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RUN	%
96.8	181.4	Zone of strong potassic alteration and silicification	2	py		s	s												
		-pervasive pink alteration																	
		-numerous irregular quartz veinlets with intense potassic selvages																	
		-disseminated pyrite 1-4%																	
		-intermittent clay gouge in fractures																	
		97.3: Quartz vein @ 60°						2889	97.0	98.0	1.0	<0.003	0.04	0.01	0.04				
		98.8: 5 cm clay gouge						2890	98.0	100.0	2.0	<0.003	0.01	0.01	0.05				
		99.3: 10 cm of silicification and thin black veinlet with amethystine quartz																	
		95.5: 8 cm quartz vein @ 60°																	
		100.6: fracture and clay gouge @ 70°						2891	100.0	102.0	2.0	<0.003	0.08	0.01	0.04				
		102.6: irregular quartz vein @ 90° with last stage carbonate crystals in centre, disseminated grey sulphide, and strongly limonitic altered crystals		gr				2892	102.0	104.0	2.0	0.008	0.09	0.01	0.05				
		103.3: quartz-carbonate vein with disseminated grey sulphides		gr															
		-clay alteration on fractures																	
		104.0: quartz-carbonate vein @ 45°						2893	104.0	106.0	2.0	0.010	0.79	0.03	0.05				
		104.5-104.6: 4 cm grey quartz vein/breccia @ 60°					s												
		-strongly silicified to 105.0																	
		-bladed white barite crystals at edge of quartz vein																	

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		105.2: 6 cm green clay gouge																
		105.3: 5 cm grey quartz vein @ 80°;cut off by fractures																
		105.6: 14 cm siliceous zone, brecciated, with pyrite and		py			s											
		grey sulphides cut off by 70° fractures		gr														
		105.8: 10 cm siliceous zone, as above					s											
		106.5: quartz vein @ 50°						2894	106.0	108.0	2.0	<0.003	0.04	<0.01	0.04			
		108.7: thin clay gouge zone @ 70° followed by parallel						2895	108.0	110.0	2.0	<0.003	0.08	0.01	0.04			
		intense 10 cm chlorite alteration zone																
		-followed by brecciated, quartz vein zone 20 cm wide																
		-followed by more chlorite																
		109.0-109.5: multiple fractures and strong chlorite alter-						2896	110.0	112.0	2.0	<0.003	0.02	<0.01	0.03			
		ation																
		112.0: quartz vein @ 30° cut by fractures @ 70°						2897	112.0	114.0	2.0	<0.003	0.08	0.02	0.04			
		112.6: quartz veins @ 10°																
		113.5: 5 mm quartz veins @ 45° + 10°																
		113.7: siliceous vein-stockwork breccia with some grey		gr			s											
		sulphide																

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 12

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		114.0: 3-5 mm quartz veins @ 20°, followed by 15 cm silic-					s	2898	114.0	116.0	2.0	<0.003	0.16	0.04	0.04				
		eous zone with multiple fractures filled by quartz (grey,																	
		white and clear)																	
		114.5; siliceous breccia zone, disseminated grey sulphide		py			s												
		pyrite		gr															
		115.2-115.3: 5 mm quartz veins @ 10-20°						2899	116.0	118.0	2.0	<0.003	0.06	<0.01	0.03				
		118.7: 10 cm grey quartz stockwork/breccia						2900	118.0	120.0	2.0	0.004	0.10	<0.01	0.03				
		119.3: grey quartz veining over 15 cm @ 50-60°																	
		120.0: 5 mm grey quartz vein @ 40°						2901	120.0	122.0	2.0	0.022	0.14	0.01	0.04				
		120.2: 4 cm of breccia with quartz matrix																	
		120.6: 3 cm grey quartz vein @ 10°																	
		120.8-121.1: grey quartz vein/stockwork breccia, prominent																	
		direction at 55-60°, other crosscutting fractures. Surround-																	
		ing host rock is mottled grey brown with carbonate alteration																	
		-quartz vein contains bladed barite crystals																	
		121.3: grey quartz vein @ 0°																	
		122.8-123.0: grey quartz veining and breccia with some	tr	Py		s	s	2902	122.0	124.0	2.0	<0.003	0.12	0.01	0.04				
		pink calcite veinlets, all @ 20°																	
		-trace pyrite						2903	124.0	126.0	2.0	0.006	0.15	<0.01	0.03				

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 13

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		-continue in numerous small veinlets of quartz-carbonate @																
		20-40° to 124.0																
		126.6: multiple fractures with quaratz carbonate filling,	tr	py		S	S	2904	126.0	128.0	2.0	<0.003	0.16	0.11	0.07			
		brecciation																
		-minor disseminated pyrite																
		-continue to 127.4																
		127.0 Silicified Stockwork Zone		py		s	s											
		127.4: fractures above grade into intensely silicified	tr	ga														
		stockwork/breccia/veining along core @ 90°	tr	sphal														
		-younger veinlets cutting across @ 0-10°																
		-disseminated pyrite, trace galena, sphalerite																
		129.5-129.6: good veining @ 45° within the stockwork		Py		S		2905	128.0	130.0	2.0	0.003	1.68	0.07	0.03			
		-minor pyrite, trace-galena	tr	ga														
		129.9: dark grey quartz veinlets over 5 cm @ 10°				s												
		-continue in stockwork veins, dominantly in the 10°-45° range																
		130.5-130.6: coarse breccia zone with multiple phase quartz		py		s		2906	130.0	132.0	2.0	0.010	0.61	0.02	0.04			
		deposition	tr	gr														
		-siliceous and lithic fragments																
		-grey quartz veining with later cream coloured siliceous																
		filling																

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 14

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RUN	%
		-some late olive-green silica, followed by clear crystalline quartz																	
		-minor pyrite, trace grey sulphide																	
		130.7: thin grey veinlets @ 10°				s													
		131.1-131.2: breccia zone, similar to 130.5				s													
		131.4: End of Stockwork Zone																	
		131.5: Banded quartz vein @ 25°																	
		131.9: banded quartz vein @ 25° with minor grey sulphide		gr															
		132.0: Weak Potassic Alteration		He			W	2907	132.0	134.0	2.0	0.010	0.49	0.02	0.04				
		-return to brown, massive, feldspar-pyroxene porphyry, local pink potassic alteration or carbonate alteration in matrix																	
		-some disseminated hematite																	
		132.0-133.0: multiple fracture veining with some clay alteration																	
		133.5: Moderate-Intense Potassic Alteration					m												
		133.5: quartz vein/breccia with grey sulphide and pyrite @ 50°		py gr			s												
		-strong potassic alteration																	
		133.7: 5 mm quartz vein @ 20° with dense accumulation of grey sulphide		gr															

PROJECT: COLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 15

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		134.6: 1 cm quartz vein with grey sulphide @ 25°		gr				2908	134.0	136.0	2.0	0.008	0.15	0.02	0.05		
		135.0-135.2: irregular quartz veining, trace pyrite, grey	tr	py													
		sulphide	tr	gr													
		135.3-135.7: intense silicification, veining and brecciation				s	s										
		135.8: 5 mm quartz vein with grey sulphides		gr													
		136.2-136.3: strong silicification in breccia zone				s		2909	136.0	138.0	2.0	<0.003	0.12	0.01	0.03		
		136.5: quartz veining @ 20°															
		137.0-138.3: quartz veining @ 0-30°				S		2910	138.0	140.0	2.0	0.006	0.13	<0.01	0.03		
		140.0: quartz carbonate veins @ 50° + @ 10°, cut by															
		irregular fractures															
		141.0: potassic alteration weakens as rock becomes					w	2911	140.0	142.0	2.0	<0.003	0.08	<0.01	0.03		
		brown coloured with mottled grey carbonate alteration						2912	142.0	144.0	2.0	<0.003	0.10	<0.01	0.02		
		144.0: 3 thin quartz-carbonate veins @ 40°						2913	144.0	146.0	2.0	0.010	0.15	<0.01	0.03		
		145.0: thin quartz veinlets and quartz breccia zone 2-5 cm															
		wide @ 10°						2914	146.0	148.0	2.0	0.008	0.23	<0.01	0.03		
		147.2: two quartz carbonate veinlets @ 20°															

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 16

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		147.4-147.7: quartz-carbonate veinlets up to 15 cm wide		gr			w											
		with minor barite, and disseminated grey sulphide along																
		grain boundaries																
		-pink carbonates																
		-irregular potassic alteration					m	2915	148.0	150.0	2.0	0.020	0.12	<0.01	0.02			
		148.7-149.7: irregular fractures filled with quartz-																
		carbonates (some pink) with red hematite stains																
		-fractures tend to be 80-80°																
		-crosscutting veining @ 10-20° contain quartz and grey		gr														
		sulphides																
		150.0-150.2: quartz-carbonate veins up to 2 cm @ 10-20°						2916	150.0	152.0	2.0	0.050	0.13	0.13	0.04			
		151.9-152.2: strongly silicified fine breccia with red		He	W	S		2917	152.0	154.0	2.0	0.022	0.11	0.02	0.03			
		hematitic matrix																
		-bleached host rock fragments with green montmorillonite																
		altered feldspars																
		-grey, strongly silicified fragments have shiny grey		gr														
		sulphide and weakly disseminated pyrite		py														
		152.5: 1 cm quartz vein with red hematitic stains and grey		he														
		sulphate @ 30°		gr														
		153.1-153.2: quartz veins @ 20° with irregular veining @																
		80-90° showing potassic selvages																
		153.5-154.3: siliceous breccia with hematitic matrix and		he		S	W	2918	154.0	156.0	2.0	0.006	0.33	0.07	0.03			
		minor disseminated pyrite		py														
		-grey quartz veinlets carry traces of galena	tr	ga														

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 17

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-finish with 4 cm quartz vein, minor breccia fragments, at 20°																	
		155.7: 15 cm quartz-carbonate vein with red hematitic section and grey sulphide layer, @ 35° -sharp contacts, no selvages				M	W	2919	156.0	158.0	2.0	0.006	0.09	<0.01	0.02				
		157.0-158.0: thin carbonate veinlets @ 25° -rock is relatively fresh, with moderate silicification and potassic alteration concentrated near veins				M	M	2920	158.0	160.0	2.0	0.030	0.11	<0.01	0.03				
		158.5-158.7: patchy zone of coarse green clay - potassic-siliceous alteration with hematite		he															
		158.9: intense clay alteration and gouge zone			s														
		161.0-161.5: zone of potassic alteration and quartz-carbonate veining, mainly @ 20° -grey sulphides in veins -clay in fractures		gr		S	S	2921	160.0	162.0	2.0	<0.003	0.12	0.05	0.05				
		161.8: 2 mm quartz-carbonate veinlet with thin potassic selvage carrying grey sulphides @ 35°		gr		s	s												
		162.1: 2.5 cm quartz vein/breccia zone with grey sulphides @ 45°		gr		s	s	2922	162.0	164.0	2.0	<0.003	0.10	0.01	0.05				

PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 18

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		162.6: thin quartz veins and potassic alteration selvages with considerable disseminated pyrite		py		s	s											
		162.8: 4 cm zone @ 45°, quartz vein/breccia with grey sulphides		gr		s	s											
		163.3: 3 mm quartz vein @ 15° with potassic alteration and grey sulphides		gr		s	s											
		163.5-163.7: zone of quartz veins @ 20° + 45° with grey sulphides		gr		s	m	2923	164.0	166.0	2.0	0.008	0.05	0.01	0.05			
		166.0: 5 mm quartz-carbonate veinlet with potassic alteration and grey sulphide @ 45°		gr		s	s	2924	166.0	168.0	2.0	0.020	0.56	0.05	0.10			
		166.9: 3 cm zone of quartz-carbonate veining with dense grey sulphides, green clays, and potassic alteration @ 45°		gr	w	s	s											
		167.0: weak potassic alteration as rock has green alteration of feldspars, and grey carbonate alteration of pyroxenes				w	w											
		167.4: banded quartz vein @ 30° -other fractures with potassic selvages @ 85°																
		167.8: banded quartz vein @ 40°																
		168.0: minor breccia zone with carbonate matrix -good potassic alteration with quartz veining @ 20-40°				s	s	2925	168.0	170.0	2.0	<0.003	0.08	0.01	0.03			
		169.4: minor breccia zone with carbonate matrix						2926	170.0	172.0	2.0	<0.003	0.10	<0.01	0.03			

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		172.2: carbonate-quartz vein with galena trace-acanthite(?)		ga			M	2927	172.0	174.0	2.0	0.010	1.33	0.08	0.04			
		trace pyrite, 1.5 cm wide @ 30°	tr	ac														
		-irregular potassic alteration selvage	tr	py														
		173.0: relativvely fresh, brown host rock with green					w											
		feldspar alteration																
		173.3: carbonate vein with grey sulphide @ 30°		gr				2928	174.0	176.0	2.0	<0.003	0.12	0.01	0.02			
		173.6-173.7: 10cm banded quartz carbonate veins @ 0°																
		-minor barite																
		175.5-175.6: fracture zone with hematite staining @ 60°		he														
		175.8-180.3: continue in fracture zone @ 45°, finishing with				M	M	2929	176.0	178.0	2.0	0.006	0.07	0.02	0.11			
		12 cm breccia zone with carbonate veining																
		176.4: 1 cm banded quartz-carbonate vein with grey sulphide		gr		s	s											
		@ 45°																
		176.8: 2-3 cm quartz-carbonate vein with black sulphide		sphal(?)		s	s											
		(sphalerite?) along one edge																
		-potassic alteration of host																
		177.4: 5 mm quartz-carbonate vein @ 30° with some black				s	s											
		sulphide		sphal(?)														
		178.4: carbonate vein @ 30°, grey sulphide in thin veinlets		gr				2930	178.0	180.0	2.0	<0.003	0.10	0.12	0.03			

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PROJECT: GOLDEN LION HOLE: GL-84-5 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 20

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RUN	%
		178.9-180.1: carbonate vein/breccia @ 80° with grey		gr		s	s												
		sulphide																	
		-strong potassic selvages																	
		179.8: siliceous breccia zone, weak purple hematitic		he		s	s												
		matrix																	
		180.8: 5 mm carbonate vein @ 0°						2931	180.0	181.4	1.4	<0.003	0.12	<0.01	0.02				
		180.9: 2 cm carbonate vein @ 45°																	
		181.4: END OF HOLE (in moderate to strong potassic alter-																	
		ation)																	

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	143.6 m	HOLE NO.	GL-84-6
LOCATION	700N 140E	collar	020°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 13
ELEVATION	1758 m	70.1		-46°	Acid	TOTAL RECOVERY	95%	LOGGED BY	G. McLaren
LATITUDE	691.6N	143.6		-45°	Acid	STARTED	July 20/84	CLAIM	GOLDEN LION 2
DEPARTURE	147.5E					COMPLETED	July 24/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	10.0	Casing																10.0	cas
																		10.9	80
10.0	95.0	Brown feldspar-pyroxene porphyry																14.0	80
		-alteration varies from moderate/strong argillic to moderate																17.0	80
		potassic/silicification to strong chloritic																20.1	80
		-feldspars generally show a green montmorillonite alteration																23.2	90
		-crowded feldspar textures, often with trachytic orientations																26.2	95
		-pyroxenes well altered to carbonate and chlorite but still																29.3	90
		show hexagonal shape																32.0	95
		-matrix very fine grained																33.8	95
		-locally disseminated hematite and pyrite																35.0	95
		-rock is well fractured with many irregular clay fractures																36.6	90
		or carbonate veinlets																38.1	90
																		39.6	95
		NB: CORE IS VERY BLOCKY AND GIVES POOR RECOVERY																40.8	95
																		41.8	90
		-as rock becomes increasingly potassic/silicic altered, orig-																44.5	95
		inal textures become more obliterated																47.5	95
																		50.6	95
		10.0: initially moderate argillic alteration with green			M			2932	10.0	12.0	2.0	0.025	0.17	0.08	0.18			53.6	92
		(montmorillonite) feldspars, clay alterattion, and reddish																55.8	95
		hematitic matrix																56.4	95
																		57.3	90
		10.4: strongly silicified grey-dark green (chloritic) vein-				S												57.9	90
		let, @ 85°, but cut by irregular fractures containing carb-																60.3	95
		onate stringers																62.2	95
																		65.2	95
																		67.7	95

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		10.7-11.0: quartz-carbonate chlorite veinlets up to 4 cm															68.9	95
		wide @ 35-45°															71.0	95
		-moderate potassic alteration particularly near veinlets					M										71.6	95
																	73.5	90
		11.7-11.9: irregular quartz/carbonate stringers in a zone				w	w										76.5	95
		of weak potassic-siliceous alteration dark green chloritic															78.0	95
		alteration around stringers															81.1	95
																	84.1	105
		12.2: feldspar-pyroxene porphyry with limonitic stain and	1	Mte				2933	12.0	14.0	2.0	<0.001	0.21	0.04	0.14		87.2	95
																	90.2	100
		12.5: 5 mm carbonate veinlet @ 55° with shiny silver															93.3	100
		metallic															96.3	100
																	99.4	100
		13.0: considerable disseminated magnetite in feldspar	4	Mte													102.4	100
		porphyry															105.4	100
		-strong carbonate alteration in feldspars															108.5	100
																	111.6	100
		13.3: 2 cm zone of silicification and chlorite alteration				s											114.6	100
		with irregular patches of quartz-carbonate															117.7	100
		-thin veinlet @ 90°															120.7	100
		-disseminated grey sulphide and a fine silvery mineral		gr													122.2	100
		(native Ag?)	tr	Ag?				2934	14.0	16.0	2.0	<0.001	0.08	0.02	0.12		125.3	100
																	128.6	100
																	131.7	100
																	134.7	100
		14.3: 1 cm veinlet of quartz-calcite with chlorite alter-															137.8	95
		ation along walls and a potassic alteration selvage 5 mm															140.8	100
		wide															143.6	90
		-host rock typically contains magnetite and chlorite now	3	Mte													-	-
		15.9: 1 cm quartz/carbonate veinlet with chlorite rims and	tr	Ag(?)														
		potassic selvage @ 35°																

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-traces native silver(?)																	
		16.0: 1.5 cm veinlet, as above, @ 0°						2935	16.0	18.0	2.0	<0.001	0.12	0.02	0.12				
		16.2: 1.5 cm veinlet, as above, @ 20°																	
		16.5: 1 cm veinlet, as above, @ 45° with trace native silver (?)	tr	Ag(?)															
		17.3: thin veinlets in fragments with native silver (?)	tr	Ag(?)															
		17.5: 2 cm clay gouge																	
		17.8: quartz/carbonate vein with chlorite @ 35°																	
		18.1-18.2: zone of potassic alteration with irregular quartz/carbonate veining -strong clay alteration in fractures			S		S	2936	18.0	20.0	2.0	<0.001	0.11	0.03	0.12				
		18.5-18.8: altered zone, as in 18.1			s		s												
		19.0-19.2: clay alteratioon and gouge -shear @ 70°			s														
		19.3: quartz/carbonate veinlet @ 45°																	
		19.9: " " " " "																	

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		20.1-20.3: irregular quartz/carbonate veining with chlorite rims and potassic selvages @ 45° + 85°						2937	20.0	22.0	2.0	<0.001	0.04	0.02	0.08		
		21.4: veining as at 20.1, trends 35°															
		22.6: quartz/carbonate veinlet, chlorite, @ 25° -weak potassic alteration						2938	22.0	24.0	2.0	<0.001	0.02	0.01	0.04		
		23.9: veinlets as at 22.6, 45°															
		24.8: veinlets as at 22.6 with pyrite, @ 80°		py													
		25.1: veinlets as at 22.6 with pyrite, @ 10°		py				2939	25.0	27.0	2.0	<0.001	0.02	<0.01	0.02		
		25.5-25.8: veinlets as at 22.6 with pyrite, @ 85°		py													
		27.4: 5 cm vein as at 22.6 @ 45° -continuing in brown magnetic porphyry with carbonate alteration, green feldspars and generally weak irregular potassic alteration					w										
		31.3-31.6: potassic alteration zone with irregular quartz/carbonate veining and chlorite alteration -minor pyrite, grey sulphide		py gr			M										
		32.0: vein, as at 31.3, @ 45°						2940	32.0	34.0	2.0	<0.001	0.01	<0.01	0.02		
		35.9: silicified breccia zone, irregular veinlets				s		2941	34.0	36.0	2.0	<0.001	0.01	<0.01	0.02		
		36.5: quartz/carbonate vein with chlorite, trace pyrite @ 55°	tr	py													

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		42.2: irregular veining generally @ 45°, cut by carbonate vein @ 80°						2942	42.0	44.0	2.0	<0.001	0.02	<0.01	0.02				
		42.7-42.9: quartz carbonate vein 23 cm wide @ 45° with potassic alteration selvage 2 cm wide					m												
		-minor breccia with potassic altered fragments																	
		43.7: breccia zone with quartz/carbonate matrix, minor chlorite	tr	py															
		-trace pyrite																	
		44.2: irregular fractures fillings of quartz-carbonate																	
		50.2: 2 cm quartz/carbonate vein with chlorite @ 45°						2943	48.0	50.0	2.0	<0.001	<0.01	<0.01	0.01				
		53.1: 1 cm quartz/carbonate vein with chlorite @ 60°						2944	52.0	54.0	2.0	<0.001	0.10	0.01	0.01				
		62.1: 1 cm quartz/carbonate vein blade barite(?) crystals, and weak chlorite @ 50°						2945	61.0	63.0	2.0	<0.001	<0.01	0.07	0.02				
		-weak potassic selvage					w												
		63.9: breccia/veining of quartz/carbonate with chlorite and disseminated pyrite		py															
		64.0-67.0: irregular patchy zones of quartz/pink calcite veining with adjacent breccias up to .5 m long						2946	64.0	66.0	2.0	<0.001	0.10	0.01	0.04				
		-veining tends to be at 45° or 80°																	
		66.7-66.8: disseminated pyrite in parallel veins	2	py				2947	66.0	68.0	2.0	<0.001	0.28	<0.01	0.02				

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		67.9: 1 cm quartz/carbonate veinlet with chlorite @ 45°		py															
		-disseminated pyrite, trace chalcopyrite, native silver(?)		cpy															
				Ag(?)															
		69.3: 1 cm quartz/carbonate veinlet with chlorite @ 60°																	
		71.3: thin veinlets, as above @ 50°																	
		-host rock is still the brown, fine grained feldspar	3	Mte															
		pyroxene porphyry with carbonate alteration and disseminated	4	He															
		magnetite and hematite																	
		72.5: rock grades slowly into grey (calcareous) matrix			M														
		with green feldspars, increased argillic alteration, little/																	
		no magnetite or hematite.																	
		-irregular microfractures with carbonate																	
		75.0: gradual change to potassic alteration feldspars,	tr	Mte			M	2948	73.0	75.0	2.0	<0.001	<0.01	<0.01	0.02				
		carbonate alteration in pyroxenes and carbonate filling of																	
		matrix spaces						2949	75.0	77.0	2.0	<0.001	<0.01	<0.01	0.02				
		-trace magnetite																	
		-no longer have pink calcite or chlorite in veins																	
		76.0: quartz/carbonate veinlet @ 80°						2950	77.0	79.0	2.0	<0.001	0.01	<0.01	0.04				
		78.0-78.1: carbonate veinlet @ 80°																	
		78.3-78.5: clay gouge				S													
		79.2: low carbonate/quartz veinlet with minor chlorite						2951	79.0	81.0	2.0	<0.001	<0.01	<0.01	0.03				
		@ 50°																	

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PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 7

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		83.2: carbonate veinlet @ 45°																	
		-rock has distinct strong pink alteration of feldspars, set					M												
		in a grey green gritty matrix with disseminated hematite																	
		-pyroxenes have white carbonate alteration																	
		83.7: abrupt change to green or white feldspars with grey-	tr	mte				2952	83.0	85.0	2.0	<0.001	<0.01	<0.01	0.02				
		green pyroxenes																	
		-weak chlorite alteration																	
		-weak magnetite																	
		-set in fine grained red-brown matrix																	
		83.9: carbonate veinlet @ 60°																	
		84.1: carbonate veinlet @ 90°																	
		84.9-85.0: well fractured section with clay alteration			s														
		85.0: abrupt return to pink altered feldspars, as previ-	2	he			m												
		ously	tr	mte															
		-carbonate in fractures, in matrix, and as pyroxene alter-																	
		ation																	
		-hematite																	
		-minor magnetite																	
		85.5: 6 mm clay gouge @ 35°			s														
		86.5: thin carbonate veinlets @ 45-60°																	
		87.2: increase in argillic alteration but still with some			m		m												
		pink feldspars																	

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 8

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		89.8: 45° shear with stronger clay alteration																	
		-section is variable from potassic to argillic alteration																	
		-little veining																	
		90.5-91.0: potassic alteration and considerable disseminated pyrite	8	py			s	2953	90.0	92.0	2.0	0.015	0.14	0.05	0.14				
		90.8-91.7: strong shearing and clay alteration leaving sandy granules in a clay matrix	1	py	s														
		-shearing @ 70-75°																	
		-minor pyrite remains																	
		91.5: intense silicification in a small zone within the clay alteration: disseminated pyrite, grey sulphides		py		s													
				gr															
		91.7: irregular fragmental zones, strong silicification		py		s													
		disseminated pyrite, grey sulphide		gr				2954	92.0	94.0	2.0	0.008	0.03	0.02	0.03				
		-rock here shows irregular stockwork of quartz/carbonate veins, pink potassic altered fragments, strongly silicified grey-white fragments, many fractures with clay alteration				s	s												
		-disseminated pyrite 2-5%	5	py															
		-grey sulphides																	
		-many veinlets @ 45°																	
		93.3: 3 cm clay gouge @ 45°			s														
		-contact within the above sheared-siliceous zone with a grey tuff						2955	94.0	96.0	2.0	<0.001	<0.01	<0.01	0.02				

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 9

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
95.0	143.6	Grey feldspar crystal tuff, with moderate argillic alteration	4	he	M													
		-grey to green (montmorillonite altered) feldspar crystals	tr	py														
		set in a gritty matrix																
		-relatively fine grained, very few mafics, (no octahedral																
		pyroxenes)																
		-disseminated hematite, trace pyrite																
		-carbonate alteration of matrix																
		97.9-98.1: moderate potassic alteration and weak silicifi-				w	m	2956	96.0	98.0	2.0	<0.001	0.70	<0.01	0.02			
		cation, associated with quartz-carbonate vein @ 65°																
								2957	98.0	100.0	2.0	0.012	0.09	0.12	0.10			
		98.4: thin clay gouge seams @ 0°																
		98.8: 1 cm quartz/carbonate vein with hematite @ 55°, cut		He														
		by other irregular stringers																
		99.2-99.4: thin clay gouge seam @ 45° followed by potassic		Py		M	S											
		alteration and quartz-carbonate veining with disseminated		gr														
		pyrite, grey sulphide																
		99.4-99.7: strongly silicified zone with minor carbonate	4	Py		s												
		filling late fractures	4	gr														
		-pyrite and grey sulphides																
		99.7-99.9: potassic alteration halo with fractures and				s	s											
		silicification																
		99.9-100.2: clay alteration and fractures			s			2958	100.0	102.0	2.0	<0.001	<0.01	<0.01	0.02			
		100.6: 5 cm carbonate vein @ 45° with parallel hematite stain																

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-rock continues as same grey feldspar tuff with irregular carbonate veining and clay on fractures															
		102.4-102.6: minor breccia with carbonate filling followed by potassic alteration zone with quartz/carbonate vein -disseminated pyrite, grey sulphide		Py gr		M		2959	102.0	104.0	2.0	<0.001	<0.01	<0.01	0.02		
		105.0: continue in grey tuff with variable potassic alteration and dark green chlorite alteration															
		107.2: 5 cm banded quartz/carbonate vein @ 65° -clay alteration along contact						2960	106.0	108.0	2.0	<0.001	0.09	0.01	0.02		
		109.9: clay fractures and carbonate veinlets @ 0°			M												
		110.3-110.5: quartz-carbonate breccia filling zone with distinct green chloritic edges at contact -thin potassic selvages -weak pervasive potassic alteration in rock					W										
		110.7: 5 mm clay gouge @ 0°						2961	110.0	112.0	2.0	<0.001	<0.01	<0.01	0.02		
		111.1: quartz carbonate veinlet @ 0° with minor chlorite															
		111.3: quartz carbonate veinlet @ 45°															
		111.8-112.0: carbonate veinlets @ 30° -rock is grey, fine grained, with considerable carbonate alteration in matrix -veins up to 1.5 cm tend to be at 20-30° -irregular hematite staining															

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 11

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		121.8: begin pink potassic alteration					M	2962	120.0	122.0	2.0	<0.001	<0.01	<0.01	0.02		
		122.0: quartz/carbonate veinlet @ 30°						2963	122.0	124.0	2.0	<0.001	<0.01	0.03	0.03		
		122.1: 2-3 cm quartz carbonate vein with strong potassic alteration selvage @ 10-20° -considerable grey sulphide		gr		s	s										
		122.3-123.2: intensely silicified zone -quartz-carbonate vein with chlorite @ 40°; disseminated pyrite -strong potassic alteration with disseminated pyrite -finish in quartz/carbonate vein @ 45° with hematite staining		py		s	s										
		125.0: common quartz/carbonate veinlet direction @ 20°															
		125.8: clay fractures and gouge @ 10° -rock passes into stronger green montmorillonite alteration of feldspars set in grey gritty matrix			s												
		126.3: becomes strongly silicified with lessor carbonate, bleached fragments in a breccia -disseminated pyrite		py		S		2964	126.0	128.0	2.0	<0.001	<0.01	<0.01	0.02		
		126.8: potassic alteration ends and return to grey tuff			M		W										
		127.1: resume potassic alteration with irregular carbonate stringers					M										
		128.6-130.2: weak bleaching and irregular, carbonate/quartz veinlets in part making a weak stockwork				M	M										

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 12

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		130.2: carbonate/quartz veinlet @ 35°, followed by stronger potassic alteration and silicification with quartz/carbonate veins -many fractures with clay alteration			M	S	S	2965	130.0	132.0	2.0	0.009	0.17	0.03	0.03				
		131.2: continue in same zone but with stockwork/breccia textures -green chlorite-clay alteration -pyrite common in veinlets -strongly bleached rock fragments		py	M	S	S												
		131.7: end alteration zone and return to grey tuff with green feldspars and disseminated hematite	3	he															
		132.7-132.9: quartz/carbonate veins 2 cm wide @ 40-50° with moderate potassic bleaching				M													
		133.2-134.9: considerable irregular veining, with some @ 90°																	
		135.3: quartz/carbonate vein @ 45° cut by veinlet @ 90°																	
		135.6-137.0: Numerous small veinlets @ 45-60°																	
		137.3-137.6: quartz carbonate breccia zone with veining @ 35° -minor pyrite, traces grey sulphide	tr tr	py gr															
		137.9-138.5: quartz/carbonate veins up to 5 cm; and breccias @ 40°-60° -rock matrix has considerable hematite	6	he				2966	137.0	139.0	2.0	0.004	<0.01	0.01	0.03				

PROJECT: GOLDEN LION HOLE: GL-84-6 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 13

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		139.6-139.8: quartz/carbonate vein/breccia with disseminated		py			M	2967	139.0	141.0	2.0	0.016	0.01	<0.01	0.02		
		pyrite, trace grey sulphide	tr	gr													
		-potassic alteration and bleaching of fragments															
		140.9-141.0: carbonate/quartz breccia zone with minor			W		W										
		potassic alteration															
		-thin fractures with moderate clay alteration to end															
		143.6: END OF HOLE															

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	117.7 m	HOLE NO.	GL-84-7
LOCATION	540N, 250E	collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 14
ELEVATION	1800 m	117.7		-45°	Acid	TOTAL RECOVERY	90%	LOGGED BY	G. McLaren
LATITUDE	542°N					STARTED	July 24/84	CLAIM	Golden Lion 2
DEPARTURE	250.4E					COMPLETED	July 27/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
0	6.1	Casing														6.1	cas
6.1	9.7	Purple felspar crystal tuff with intense argillic alteration	8	He		S										7.0	50
		-white feldspar crystals and quartz grains stand out in relief from a thoroughly argillically altered fine matrix														7.9	95
		-fresher rocks elsewhere in section show densely packed feldspar crystals with carbonate alteration, plus quartz grains set in a red hematitic matrix														11.0	100
		-disseminated hematite is common (5-8%)														12.2	95
		-rock exhibits a strong penetrative shearing with pervasive clay alteration of the matrix and local intense clay gouge zones														14.0	92
		-shearing tends to be @ 20° but with some cross-cutting @ 50-60°														17.1	95
																18.3	105
		7.0: clay gouge														20.4	90
																22.6	92
		8.2: 3 cm clay gouge @ 0°														25.6	92
																27.7	97
		8.5: 3 cm banded clays @ 50°														29.3	66
																32.3	60
		8.6: 5 cm clay @ 20°														35.4	90
																38.4	80
		8.8-9.0: brown clays in shear zone with siliceous fragments/pebbles in clays				S		2968	9.0	11.0	2.0	<0.003	0.01	<0.01	0.01	41.5	100
						W										44.5	100
																47.5	90
																50.6	85
																53.6	100
																56.7	100
																59.5	100
																61.6	100
																64.6	95
																66.7	90
																68.9	76
																71.9	100

PROJECT: GOLDEN LION HOLE: GL-84-7 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-siliceous fragments have carbonate fractures																	
		-also appear to have potassic alteration (possibly giving colour to clay as well)				W												74.7	100
																		77.7	90
																		80.2	100
		9.6: finish section in red hematitic clay		He	S													83.2	90
																		86.6	80
9.7	10.3	Bleached zone within the clay altered tuff	4	Py	W													88.4	100
		-buff coloured rock with weak silicification and disseminated pyrite				W												89.6	95
		-well fractured with weak potassic alteration selvages					W											90.8	100
		-some dark grey clays in shears @ 30°																92.3	70
		-carbonate in fractures																93.3	70
		-minor green chlorite																96.3	90
																		99.4	90
																		102.4	95
																		105.5	95
10.3	12.2	Intercalated grey and purple feldspar tuff with intense argillic alteration			S													108.5	95
		-same tuffs as above but with distinct colour variations and strong shearing																111.6	95
																		114.6	105
																		117.7	92
																		-	-
12.2	28.8	Purple feldspar tuff with strong argillic alteration	5	He	S			2969	15.0	17.0	2.0	<0.003	0.01	<0.01	<0.01				
		-matrix of rock is still strongly argillically altered and coloured by hematite, but fewer intense clay shear zones																	
		-feldspars stand out in relief																	
		-well fractured @ 20-45° and @ 20-90°																	
		14.0: 8 cm clay gouge zone			S														
		21.0, 26.0, 27.7: 3-5 cm clay gouge zones			S														

PROJECT: GOLDEN LION HOLE: GL-84-7 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-pervasive shearing still dominant @ 20°, but still cut by higher angle shears															
		28.7: finish in clay gouge with pronounced shearing @ 20°				S		2970	27.0	29.0	2.0	<0.003	0.01	<0.01	0.02		
28.8	85.3	Potassic-Siliceous alteration zone															
28.8	39.0	Intense Siliceous and potassic alteration zone with quartz veining	4	He py		S	S										
		-very hard, orange-pink, potassic with only relict textures from the original rock		sphal Ga													
		-feldspars are visible with weak green montmorillonite alteration															
		-locally matrix is calcareous															
		-original rock type not definite (probably brown feldspar - pyroxene porphyry)															
		-rock is well fractured and healed by silica															
		-quartz veining is dominant with later calcite crystals in some veins and in fracture planes															
		-disseminated hematite															
		-disseminated pyrite locally															
		-veins carry pyrite, galena, sphalerite															
		NB: CORE CAN BE VERY SHATTERED AND GROUND, HENCE LOW RECOVERY															
		29.6: 1 cm grey quartz carbonate vein with acanthite		ac				2971	29.0	30.0	1.0	<0.003	0.02	0.01	0.04		
		30.4: 8 mm grey quartz/carbonate vein @ 30°						2972	30.0	31.0	1.0	<0.003	0.02	<0.01	0.04		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-this flares into a thin quartz/carbonate vein @ 85° running to 30.7 with traces of acanthite	tr	ac													
		31.3: 1 cm quartz/carbonate veinlet @ 50° with concentration of very fine galena		ga				2973	31.0	32.0	1.0	<0.003	0.01	0.37	0.06		
		-shattered core contains veinlets with grey sulphides															
		-multiple fractures with calcite															
		32.8: irregular quartz/carbonate veins mainly @ 60° others @ 45°						2974	32.0	33.0	1.0	0.003	0.01	0.01	0.03		
		33.7: broken quartz/carbonate vein/breccia @ 60°	tr	py				2975	33.0	34.0	1.0	<0.003	0.02	<0.01	0.03		
		-traces of pyrite, grey sulphides	tr	gr													
		-some clay along this fracture						2976	34.0	35.0	1.0	<0.003	0.12	0.10	0.46		
		33.0-35.2: zone of quartz veinlets with disseminated pyrite and potassic alteration - bleaching	4	py													
		-irregular veinlets contain sphalerite, galena grey sulphides and form a stockwork		sphal													
		-thin strong potassic selvages		ga													
				gr													
		35.5-38.2: resume stockwork of irregular quartz/carbonate veins with mineralization	2	py				2977	35.0	36.0	1.0	0.036	0.16	0.19	1.86		
		-common attitudes @ 90° + 50°		gr													
		-strong potassic alteration and weakly disseminated pyrite						2978	36.0	37.0	1.0	0.022	0.08	0.03	0.10		
		-weak stockwork with some disseminated grey sulphides in veins						2979	37.0	38.0	1.0	0.024	0.16	0.10	0.23		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		38.0: veining increases	5	py				2980	38.0	39.0	1.0	0.068	0.15	0.10	0.23		
		-quartz vein/breccia @ 55° with strongly disseminated pyrite and grey sulphides		gr													
		-intense grey silicification multiple fractures and re-healing with silica															
		38.4-39.0: strong clay alteration in shear zone with attitudes near 45°	10	py		S											
		-disseminated euhedral pyrite up to 10%, minor grey sulphides		gr													
		-some quartz veining															
39.0	40.2	Massive Sulphide pod in Siliceous Host						2981	39.0	40.0	1.0	0.076	0.72	6.50	26.60		
		-Intense silicification with near massive sphalerite-galena-acanthite-pyrite	30	sphal (10-50%)		S											
		-section begins with silicification and patchy sulphides, then a sharp 45° contact with masses of sulphides	20	ga/gr (15-25)													
			10	py (5-15)													
		-sphalerite is honey-brown in well fractured angular fragments up to 2.5 cm. set in a fine siliceous matrix with irregular galena and other grey sulphides plus disseminated pyrite															
		-many fine grey veinlets cut sphalerite fragments but not matrix															
		-grey sulphides and pyrite appear to be later as they fill in around sphalerite, sometimes enclosing small fragments															
		-silica at least two colours, dark grey and cream colour (crystals of grey quartz extend out into cream massive quartz)															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		39.7: irregular pyrite veins @ 35-45°																	
		39.9: last 30 cm have breccia textures of bleached host rock with strong green chlorite(?) montmorillonite (?) alteration -sphalerite no longer dominant																	
40.2	85.3	Continue with intense potassic alteration of rock with a stockwork of veins of grey-cream silica with similar mineralization to the above zone -partially brecciated with bleached fragments and irregular mineralized textures		py sphal ga		S	S	2982	40.0	41.0	1.0	0.150	0.31	5.25	5.47				
		41.2: clay gouge seam @ 20°						2893	41.0	42.0	1.0	0.036	0.26	0.83	0.89				

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		41.6-42.0: potassic alteration with thin clay coatings on fractures and veinlets @ 20-25°		py		S	S	2984	42.0	43.0	1.0	0.032	0.17	0.13	0.20		
		-pyrite, sphalerite, galena as before		sphal				2985	43.0	44.0	1.0	0.082	0.16	0.06	0.13		
		42.1: 2 cm quartz veinlet @ 30° with mineralization		py, sphal ga ac			S										
		to 44.0: still have numerous irregular quartz veinlets, carbonates minor component now						2986	44.0	45.0	1.0	0.014	0.11	0.05	0.12		
		-traces of grey sulphides in veinlets															
		-disseminated pyrite throughout the potassic altered host	5	py													
		46.3-46.6: strong silicification and breccia with disseminated grey sulphides		gr		S		2987	45.0	46.0	1.0	0.016	0.02	0.01	0.09		
		-grey and cream coloured quartz						2988	46.0	47.0	1.0	0.018	0.26	0.07	0.16		
		-chloritic-clay fractures						2989	47.0	48.0	1.0	0.010	0.01	0.03	0.10		
		-continue with strong potassic alteration and stockwork but note that stockwork varies from weak to strong				S	S	2990	48.0	49.0	1.0	0.008	0.17	0.06	0.11		
		49.0: fractures with much clay and thin silicified zones				M	M	2991	49.0	50.0	1.0	0.016	0.60	0.31	0.76		
		49.1: grey shear zone @ 65° followed by intense silicification		py													
				gr		S											

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-well fractured and healed by silica: multi-phases and colors of silica (grey, pale green, white)																	
		-minor pyrite, grey sulphides																	
		-host rock fragments can be strongly altered to clay																	
		-some clay fractures																	
								2992	50.0	51.0	1.0	0.076	1.20	1.00	2.96				
		51.0: contact with siliceous-potassic altered rock @ 80°				S	S	2993	51.0	52.0	1.0	0.012	0.27	0.12	0.15				
		-numerous irregular quartz veinlets in weak stockwork																	
		-cream quartz vein breccia cross-cut grey quartz and tend to be @ 20-30°																	
		51.6: fractures with clay alteration green montmorillonite and some pink carbonates	3	Py	M			2994	52.0	53.0	1.0	0.016	0.20	0.03	0.09				
		-disseminated pyrite to 52.4																	
		53.0: 5 cm silicified zone with disseminated acanthite, trace pyrite, @ 30°	tr	ac		S		2995	53.0	54.0	1.0	0.038	0.40	0.22	0.47				
		-cut by later creamy siliceous veinlets	tr	py															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		53.4-53.5: 2 cm strong shear, green clay gouge				S											
		@ 70° within a siliceous breccia with grey, cream and reddish quartz, minor grey sulphide						2996	54.0	55.0	1.0	0.006	0.11	0.08	0.12		
		to 54.4: continue stockwork with green clay gouge on fractures and pink carbonate veinlets															
		54.5: stockwork continues into strong potassic alteration with disseminated grey sulphides and trace pyrite		Py		S	S										
		veins at 25o + 85o		gr				2997	55.0	56.0	1.0	0.016	0.12	0.08	0.26		
		56.5: start to see green feldspars in potassic alteration zone						2998	56.0	57.0	1.0	0.020	0.20	0.06	0.09		
		58.0-61.0: intermittent low potassic alteration zones					W	2999	57.0	58.0	1.0	0.003	0.14	0.02	0.04		
		-quartz vein with grey sulphides @ 90°		gr				3000	58.0	59.0	1.0	0.016	0.26	0.01	0.04		
		-some disseminated pyrite and grey sulphides in siliceousbreccia zones						3001	59.0	60.0	1.0	0.024	0.12	0.24	0.10		
		61.9: irregular quartz vein with trace pyrite acanthite	tr	py				3002	60.0	61.0	1.0	0.050	0.25	0.28	0.39		
			tr	ac													
								3003	61.0	62.0	1.0	0.140	0.32	0.06	0.11		
		62.0-62.5: intense stockwork and silicification				S	S	3004	62.0	63.0	1.0	0.028	0.17	0.04	0.09		
		63.6-64.2: intense stockwork and silicification with sphalerite, pyrite, acanthite		sphal		S	S	3005	63.0	64.0	1.0	0.028	0.43	0.09	0.23		
				ac													
				py				3006	64.0	65.0	1.0	0.018	0.14	0.10	0.12		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		64.6: 10 cm siliceous zone						3007	65.0	66.0	1.0	0.022	0.10	0.01	0.04		
		66.0: potassic alteration becomes weaker as rock textures are visible: feldspar laths, locally altered to montmorillonite -carbonate alteration in matrix -disseminated pyrite	3	py			W	3008	66.0	67.0	1.0	0.024	0.18	0.03	0.08		
								3009	67.0	68.0	1.0	0.022	0.10	0.01	0.04		
								3010	68.0	69.0	1.0	0.016	0.08	<0.01	0.03		
		69.0: two 1 cm quartz veinlets @ 50-60° with acanthite, pyrite		ac py		S		3011	69.0	70.0	1.0	0.036	0.06	0.02	0.05		
		70.0: 5 mm quartz veinlets @ 50° minor pyrite, acanthite		py ac				3012	70.0	71.0	1.0	0.040	0.16	0.06	0.13		
		72.1: thin carbonate veinlet/breccia -pronounced change to less altered feldspar - proxene porphyry -carbonate in matrix -disseminated pyrite		py	M		W	3013	71.0	72.0	1.0	0.022	0.04	0.01	0.06		
								3014	72.0	73.0	1.0	0.024	0.08	<0.01	0.04		
		72.4: pink carbonate veins with chlorite alteration cutting brown feldspar-pyroxene porphyry			M		W	3015	73.0	74.0	1.0	0.010	0.01	<0.01	0.04		
		72.9: return to potassic alteration over a gradational contact				M	M	3016	74.0	75.0	1.0	0.008	0.13	<0.01	0.03		
		75.7: 5 mm quartz vein @ 75° with sphalerite and grey sulphides cutting stronger potassic alteration		sphal gr		W	S	3017	75.0	76.0	1.0	0.062	0.01	0.06	0.12		
								3018	76.0	77.0	1.0	0.020	0.01	0.02	0.05		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		77.8: 15 cm silicified and quartz veined zone		py		S	S	3019	77.0	78.0	1.0	0.062	0.16	0.06	0.05		
		@ 45°															
		-disseminated pyrite, grey sulphides		gr				3020	78.0	79.0	1.0	0.010	0.11	0.08	0.08		
		79.0: back to a moderate to strong potassic alteration	5	py gr		M	S	3021	79.0	80.0	1.0	0.012	0.11	0.23	0.17		
		-some fractures little veining						3022	80.0	81.0	1.0	0.012	0.09	0.05	0.11		
		-disseminated pyrite 3-6%															
		-irregularly disseminated grey sulphides						3023	81.0	82.0	1.0	0.060	0.06	0.03	0.07		
		82.1-82.3: intense silicification, with much fracturing and re-healing				S	S	3024	82.0	83.0	1.0	0.020	0.06	0.02	0.05		
		-includes 5 cm breccia zone with some clay alteration															
		82.3: Irregular mixture of brown intrusive with green alteration of feldspars (moderate argillic alteration) and moderate potassic alteration as above		py gr	M		M										
		-irregular veining, disseminated pyrite and grey sulphides						3025	83.0	84.0	1.0	0.028	0.09	0.03	0.07		
		-local brecciation and silicification						3026	84.0	85.0	1.0	0.010	0.07	0.01	0.04		
		85.0-85.3: last indications of potassic alteration zone															
85.3	117.7	Brown feldspar-pyroxene porphyry with moderate argillic alteration	4	He Mte	M			3027	85.0	86.0	1.0	0.005	0.07	<0.01	0.04		
		-crowded and locally trachytic grey or green feldspars with grey carbonate altered pyroxenes															
		-disseminated hematite throughout															

PROJECT: GOLDEN LION HOLE: GL-84-7 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 12

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-some magnetite															
		-local chlorite alteration															
		85.7-87.5: quartz/carbonate veins @ 45°						3028	86.0	87.0	1.0	<0.003	0.04	<0.01	0.03		
		88.0: quartz/carbonate vein @ 25°						3029	87.0	88.0	1.0	<0.003	0.14	<0.01	0.02		
		88.8: crosscutting quartz/carbonate veins @ 55° + 10°															
		89.1-89.5: pink carbonate/quartz veins 1-1.5 cm wide with brecciation and chlorite @ 65°						3030	89.0	91.0	2.0	0.006	0.03	<0.01	0.02		
		89.9: fewer crystals in a very fine chocolate brown matrix															
		-less carbonate alteration															
		-a much more massive and dark rock															
		-chlorite alteration of pyroxenses, as well as carbonates						3031	94.0	96.0	2.0	0.005	0.14	<0.04	0.01		
		-locally stronger hematite gives stronger red colour															
		-little veining						3032	98.0	100.0	2.0	0.003	0.04	0.01	0.04		
		99.4: quartz/carbonate plus chlorite vein @ 45°															
		99.9: 1 cm zone of silicification and chlorite alteration carries grey sulphides, sphalerite, pyrite @ 45°		gr sphal py		S											
		102.0: 1 cm quartz/carbonate plus chlorite vein @ 80°						3033	102.0	104.0	2.0	0.006	0.25	0.03	0.09		

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		102.8-103.0: zone of carbonate/quartz plus chlorite, banded veining, @ 45°																
		-2 veins of carbonate/quartz split by area of strong chlorite alteration	tr	py														
		-traces of pyrite, chalcopyrite, grey sulphides	tr	cpy														
			tr	gr														
		103.4: thin clay gouge/fractures @ 0°																
		103.8: 2-3 cm pink carbonate vein @ 60°																
		103.9: 4 cm carbonate-quartz plus chlorite vein @ 45°																
		104.2: banded carbonate/quartz plus chlorite vein with disseminated grey sulphide		gr														
		105.2: 1 cm quartz/carbonate vein @ 70° with chlorite; disseminated grey sulphide, sphalerite pyrite		gr py sphal				3034	105.0	107.0	2.0	0.003	0.26	0.06	0.20			
		107.3-107.6: quartz/chlorite vein and breccia with chlorite																
		108.5: 2-4 cm quartz/pink carbonate plus chlorite vein @ 25°																
		108.0-112.0: pink feldspars weak potassic alteration					W	3035	109.0	111.0	2.0	<0.003	0.06	<0.01	0.03			
		111.7: pink carbonate/quartz veining @ 25-30°						3036	113.0	115.0	2.0	<0.003	0.12	<0.01	0.02			

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RUN	%
		112.6: 1 cm pink carbonate/quartz vein @ 45°																	
		114.1: 5-8 cm zone of pink carbonate/quartz plus chlorite in breccia																	
		117.7 END OF HOLE																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	131.4 m	HOLE NO.	GL-84-8
LOCATION	475N 250E	collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 16
ELEVATION	1805 m	63.4		-45°	Acid	TOTAL RECOVERY	98%	LOGGED BY	G. McLaren
LATITUDE	485.2N					STARTED	July 27/84	CLAIM	GOLDEN LION 2
DEPARTURE	253.6E					COMPLETED	Aug 2/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	6.1	Casing																6.1	cas
6.1	32.0	Purple-grey feldspar tuff with strong argillic alteration	10	He		S												7.9	30
		-fine white feldspar crystals set in a fine grained to gritty matrix with strong clay alteration																11.0	30
		-mafics are altered to hematite																14.0	105
		-disseminated hematite throughout																17.0	95
		-trace quartz																20.1	95
																		23.1	100
		NB: VERY POOR RECOVERY TO 11.0 M DUE TO BROKEN ROCK AND CLAY GOUGE ZONES																26.2	100
																		29.3	100
		11.1: clay shear @ 60° with irregular carbonate veining adjacent				S		3037	11.0	13.0	2.0	0.010	0.02	<0.01	0.01			32.3	100
		-many clay altered shears @ 60-90° in argillically altered host rock, little veining				S												35.3	100
		-continues past 17.0																38.4	100
																		41.4	95
		17.3: 15 cm of brown-pink, moderately silicified rock with numerous carbonate veinlets				M		3038	17.0	19.0	2.0	0.022	0.04	<0.01	0.01			44.5	95
		-half core is grey green clay and edges of silicified half show green chloritic alteration																46.3	100
		-clay gouge on each side of section																49.4	92
																		51.8	92
																		53.6	95
																		56.1	95
																		58.2	95
																		59.4	95
																		62.5	95
																		63.4	95
																		67.0	95
																		68.6	95
																		70.7	100
																		73.2	95
																		75.0	100

PROJECT: GOLDEN LION HOLE: GL-84-8 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		17.5-19.0: green chloritic alteration of the tuff, along with the strong argillic				S												77.7	100
		-overall a green colour, but cut by many clay shears, mainly @ 25-30°																81.1	95
		-strong clay alteration of rock forms breccia textures of less altered fragments in argillic matrix																84.1	100
		-some irregular carbonate veinlets, locally with weak silicified zones																87.2	100
																		90.2	100
		19.0: back to purple-grey, moderate-strong clay altered tuff as before																93.3	100
		-few irregular carbonate filled gashes																96.3	100
		-hematitic fractures																98.8	95
																		101.5	95
		22.2: banding/shearing @ 30° in intense clay alteration																104.5	100
																		107.9	100
		22.6-22.8: clay gouge zone																111.3	90
																		114.6	100
		23.6-23.7: carbonate vein breccia zone @ 30° with chlorite alteration at edges and in fragments																117.7	100
																		120.7	100
		24.0: banding/shearing in clays decreases to 10° now																123.7	95
		-continue in variable green chloritic-grey clay alterations, moderate to intense throughout to 31.0						3039	27.0	29.0	2.0	0.003	0.01	<0.01	0.01			126.8	92
																		129.5	95
		31.6-31.9: weakly silicified zone with carbonate veinlets and brownish silicification of	5	Py		S	W											131.4	90
																		-	-

PROJECT: GOLDEN LION HOLE: GL-84-8 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		normally green host															
		-very finely disseminated pyrite, mainly along thin fractures						3040	31.0	33.0	2.0	0.020	0.03	0.06	0.11		
		-veinlets/shears dominantly @ 20°															
32.0	117.5	Zone of variable potassic/siliceous alteration with fine grained brown feldspar-pyroxene intrusive															
		32.9: 5 cm of strongly silcified breccia/fracture zone with grey-green-white quartz	1	Py		S											
		-later carbonate filled fractures	tr	gr													
		-some brownish, potassic altered fragments	tr	sph													
		33.0-33.2: strongly silicified breccia/fracture zone as at 32.9	2	Py		S											
		-disseminated pyrite and some acanthite in discontinuous veinlets	tr	Ac				3041	33.0	35.0	2.0	0.008	0.05	0.13	0.25		
		-locally hematitic matrix		He													
		33.2: rock becomes green-brown with weak potassic alteration and silicification	tr	gr		W	W										
		-traces of grey sulphide in thin fractures															
		33.2-34.0: irregular silcified zones with local brown potassic alteration, as above	1	Py													
		-minor disseminated pyrite and grey sulphide	1	gr													
		34.3: red hematitic alteration with clay alteration						3042	34.0	35.0	1.0	0.018	0.02	0.11	0.06		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-contains silicified fragment 2 cm across with acanthite															
		35.0: gradual change to moderately silicified and potassically altered rock				M	M	3043	35.0	37.0	2.0	0.016	0.03	0.04	0.05		
		37.3: continue in moderate to strong silicification/potassic alteration with increasing veining and fractures	tr	gr		S	S	3044	37.0	38.0	1.0	0.022	0.04	0.01	0.05		
		-some strong clay alteration and bleaching along fractures (many @ 45-55°)															
		-quartz veining, some banded															
		-irregular patches and veinlets with fine grey sulphide															
		38.0: grades into intense potassic alteration				S	S	3045	38.0	39.0	1.0	0.012	0.02	<0.01	0.05		
		-strong pink colour, very hard															
		-still many irregular fractures but less associated clay alteration															
		-carbonate alteration of some grains in matrix (pyroxenes?)															
		-locally green chloritic alteration															
		39.0: strong potassic/siliceous alteration with 5-8% disseminated pyrite	7	Py		S	S	3046	39.0	40.0	1.0	0.032	0.05	0.06	0.03		
		39.2: begin siliceous stockwork-vein-breccia zone	3	Py gr		S	S										
		-strong potassic altered fragments															
		-variable amounts of disseminated pyrite and irregular veinlet fillings of grey sulphides		sphal				3047	40.0	41.0	1.0	0.008	0.02	0.25	0.62		

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS								RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RUN	%
		40.4: 2 cm quartz-sulphide vein @ 45°, offset slightly by 90° fracture		sphal py ac ga				3047	40.0	41.0	1.0	0.008	0.02	0.25	0.62		
		-contains sphalerite, pyrite, acanthite and galena															
						S	S										
		-intense, potassic/siliceous alteration															
		NB: VEIN TEXTURES ARE SAME AS MASSIVE SULPHIDE INTERSECTION IN 84-7, I.E. EARLY FRAGMENTAL SPHALERITE WITH GREY SULPHIDES SURROUNDED BY LATER GREY SULPHIDES (GALENA) AND QUARTZ															
		40.8-41.4: some clay and carbonate alteration in matrix	1	Py	M												
		-locally the original textures are recognizable showing carbonate-altered octahedral pyroxenes						3048	41.0	42.0	1.0	0.014	0.04	0.03	0.06		
		-many feldspars show green montmorillonite alteration															
		-minor disseminated pyrite															
		41.4-41.5: return to strong potassic alteration along 80° fracture plane				S	S										
		42.1: quartz-carbonate fracture vein with sphalerite and grey sulphide @ 70°						3049	42.0	43.0	1.0	0.010	0.03	0.01	0.07		
		42.5-42.7: moderate potassic/siliceous alteration with moderate to strong clay alteration along fractures			M	M	M	3050	43.0	44.0	1.0	0.016	0.01	0.16	0.04		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-one side of core has no visible sphalerite						3054	47.0	48.0	1.0	0.008	0.02	0.01	0.04		
		-other side contains 10-20% sphalerite															
		48.3-48.4: quartz/carbonate veinlets up to 1 cm across with acanthite, sphalerite, pyrite		ac sphal py				3055	48.0	49.0	1.0	0.006	0.02	0.32	0.20		
								3056	49.0	50.0	1.0	0.052	0.05	0.01	0.03		
		50.0: continue with moderate/strong potassic/ siliceous alteration however the degree of alteration varies from potassic/siliceous to chloritic/argillaceous with the degree of veining -chloritic rocks often have clay alteration along fractures and pink alteration of feldspars				S	S	3057	50.0	52.0	2.0	0.030	0.11	<0.01	0.03		
		50-55.0: massive rock spotted with pink feldspars: few veins -typical grey-green matrix					W	3058	52.0	54.0	2.0	0.032	0.07	<0.01	0.02		
								3059	54.0	56.0	2.0	0.022	0.02	<0.01	0.03		
								3060	56.0	57.0	1.0	0.028	0.03	0.01	0.03		
		57.0-57.5: intensely silcified quartz vein/ breccia zone -multi phase silica as shown by various colours -disseminated pyrite, minor grey sulphides usually associated with sphalerite	2 tr tr	py sphal gr		S	S	3061	57.0	58.0	1.0	0.018	0.01	0.01	0.06		
								3062	58.0	60.0	2.0	0.030	0.13	<0.01	0.03		
								3063	60.0	62.0	2.0	0.038	0.02	<0.01	0.04		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		61.1: 10 cm quartz/carbonate breccia zone						3064	62.0	63.0	1.0	0.020	0.04	<0.01	0.04				
		63.7: quartz breccia with coarse grains of	70	sphal		S		3065	63.0	64.0	1.0	0.016	0.12	0.23	5.00				
		sphalerite-acanthite-minor pyrite	10	ac															
		-nearly massive for 5 cm but zone appears to be	2	py															
		10 cm long (NB core ground at this point,																	
		hence true width and contacts uncertain)																	
		-no strong potassic halo with this breccia																	
		64.0-65.0: continue massive brown-green rock					W	3066	64.0	65.0	1.0	0.022	0.03	0.02	0.08				
		with pink alteration of feldspars																	
		-chlorite alteration of pyroxenes with partial																	
		replacements by pyrite																	
		-thin irregular carbonate veinlets																	
		65.6: 1 cm quartz/carbonate vein with sphalerite		gr				3067	65.0	66.0	1.0	0.010	0.05	0.05	0.16				
		grey sulphide @ 20°		sphal															
		66.1-66.7: weak stockwork of quartz/carbonate		py		M	M	3068	66.0	68.0	2.0	0.042	0.08	0.16	0.09				
		veins carrying grey sulphide, pyrite and minor		gr															
		sphalerite		sphal															
		-pyrite is disseminated throughout the potassic																	
		altered rock as well as with the chlorite after																	
		pyroxenes																	
		66.5: fine grained sphalerite, and grey sulphide		sphal		S													
		in a fine strong green chlorite alteration zone		gr															
		that has been silicified in the mineralized																	
		section																	

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		68.2: thin carbonate/quartz fracture fillings with coarse sphalerite and some grey sulphides		sphal gr		S		3070	68.0	69.0	1.0	0.014	0.01	0.83	0.68		
		68.5: 2.5 cm carbonate/quartz vein with sphalerite and grey sulphides @ 45° but vein is cut of by fractures		sphal		S											
		NB: NO STRONG POTASSIC ALTERATION AROUND THESE MINERALIZED VEINS															
		68.8-68.9: thin quartz carbonate veinlets with grey sulphides and lessor sphalerite, as above		gr sphal													
		69.5: 1 cm quartz/carbonate veinlet @ 30° with grey sulphides		gr				3071	69.0	70.0	1.0	0.008	0.01	0.17	0.07		
		69.8: 10 cm shear zone with stronger clay/chlorite alteration carrying disseminated sphalerite, grey sulphides, trace pyrite -moderate potassic selvages		gr sphal py	M		M										
		70.0: after 70, rock becomes only weakly potassic/siliceous altered and weak-moderate argillically altered		py	M	W	W	3072	70.0	72.0	2.0	0.010	0.01	<0.01	0.05		
		-montmorillonite alteration of feldspars						3073	72.0	74.0	2.0	0.012	0.08	0.09	0.05		
		-irregular weak potassic/siliceous bleached zones with minor disseminated pyrite															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT			ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-thin quartz/carbonate veinlets commonly @ 45°															
		73.6: moderate potassic alteration around cross-cutting quartz/carbonate veins @ 30° + 45°				M	M	3074	74.0	76.0	2.0	0.010	0.09	0.01	0.03		
		78.1-78.9: stronger grey green chloritic/argillaceous alteration -green feldspars -carbonate in matrix			M			3075	76.0	78.0	2.0	0.020	0.06	0.01	0.03		
		78.9: moderate to strong potassic alteration -generally a pink colour with green (feldspar) and black (hematite) spots -no pronounced regular veining -local fracture zones with strong potassic alteration in which hematite is destroyed and pyrite is common -these tend to be finer grained with no green feldspars (e.g. 81.8-82.0)					M	3076	81.0	83.0	2.0	0.012	0.08	0.05	0.07		
		82.4-82.5: strong potassic alteration with disseminated pyrite and carbonate veinlets @ 30-40° -carry grey sulphides, pyrite, sphalerite		py sphal gr			S										
		82.7: abrupt change to brown, porphyritic textured rock -argillic alteration with green feldspars, carbonate altered pyroxenes -followed by clay altered shear zone @ 83.0						3077	83.0	85.0	2.0	0.022	0.02	0.08	0.11		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-within shear find thin veins of quartz with		Py															
		silicified/potassic selvages carrying pyrite,		gr															
		grey sulphides trace sphalerite	tr	sphal															
		-continue in fractured porphyritic rock with																	
		irregular potassic/siliceous alteration around																	
		fractures																	
		84.8-84.9: quartz vein/breccia zone @ 0-10°																	
		86.6: 2 mm carbonate-pyrite veinlets @ 5°, plus		Py															
		similar irregular veining																	
		-continue in same rock with many pink altered		py															
		and bleached zones from selvages 15 cm wide						3078	87.0	89.0	2.0	0.016	0.03	0.01	0.04				
		around 1-2 mm carbonate-pyrite veinlets																	
		-textures are continuous through the bleached																	
		zones, but mafics are converted to potassic/																	
		siliceous products and hematite replaced by																	
		pyrite																	
		-all veins and fractures are very small and at						3079	89.0	91.0	2.0	0.014	0.06	0.02	0.05				
		many cross-cutting angles																	
		-fractures without potassic/siliceous alteration																	
		have a strong clay alteration																	
		90.0: bleached potassic/siliceous zone with		gr		S	S	3080	91.0	93.0	2.0	0.008	0.05	0.01	0.05				
		traces of grey sulphide																	
		95.2: strong potassic/siliceous/ pyritic	4	Py		S	S	3081	93.0	95.0	2.0	0.012	0.06	0.01	0.05				
		alteration in host rock now		gr															
		-carbonate gash with pyrite, grey sulphide, trace		py				3082	95.0	97.0	2.0	0.032	0.03	0.02	0.18				
		sphalerite	tr	sphal															

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		95.5: 1 cm carbonate/quartz vein with grey		gr														
		sulphide, pyrite @ 45°		py														
		-disseminated pyrite in potassic selvage	3	Py			S											
		96.2: 1 cm carbonate/quartz vein with grey		sphal		S	S											
		sulphide, pyrite and sphalerite @ 45°, cut off		py														
		by clay altered shear @ 90°		gr														
		96.4-96.7: strong quartz/carbonate veining (up		gr		S												
		to 1.5 cm wide) with minor grey sulphide, pyrite																
		@ 30-60°																
		97.0: 5 cm quartz vein @ 45° with traces of	tr	gr		S		3083	97.0	99.0	2.0	0.024	0.04	0.03	0.06			
		grey sulphide, sphalerite	tr	sphal														
		97.3: 1.5 cm red hematite vein @ 35° followed																
		by 3 cm siliceous breccia zone				S	S											
		97.7-97.9: 1 cm banded quartz-carbonate vein																
		@ 20-30°																
		-strong potassic alteration and disseminated	3	py			s											
		pyrite through rock																
		98.1-98.2: red hematitic quartz (jasperoidal)																
		veinlets @ 10°																
		-rock varies to moderate potassic pink alter-					M											
		ation with white carbonate alteration in pyrox-	3	py														
		enes in brown-pink matrix																
		-disseminated pyrite 1-5%																

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		100.4-100.5: siliceous breccia zone in strong potassic alteration halo @ 10°	tr	gr		S	S												
		-fragments of potassic altered rock in siliceous matrix																	
		-also fragments of an early grey silicification carrying traces of grey sulphide																	
		-all cemented by late banded multiple phase silica, with filled in druzy cavities																	
		100.6: 3 mm quartz/carbonate vein @ 60°																	
		101.0: 2 cm quartz/carbonate vein with trace grey sulphide and hematite stains, @ 10°	tr	gr															
		101.1: vein, as above, @ 20°																	
		101.4: 1 cm vein as above @ 10° with pyrite in vein and selvages		py															
		101.7: clay altered shear @ 50°						3084	102.0	104.0	2.0	0.008	0.03	<0.01	0.02				
		-continue with moderate to strong potassic alteration					M												
		104.0-104.4: clay alteration in shears @ 50°						3085	104.0	106.0	2.0	0.016	0.02	<0.01	0.04				
		105.0: 5 mm banded quartz/carbonate vein @ 30°																	
		106.0: 5 mm quartz/carbonate vein @ 0°						3086	106.0	108.0	2.0	0.012	0.05	<0.01	0.04				
		106.2: 5 mm quartz/carbonate vein with traces of grey sulphides along edges @ 55°	tr	gr															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		108.2: irregular carbonate veins for 5 cm -carbonate common in matrix of potassically altered rock here					M	3087	108.0	110.0	2.0	<0.003	0.01	<0.01	0.04		
		109.7: quartz veins for 5 cm carrying trace grey sulphides, pyrite @ 0° -pyrite potassic selvages		gr py													
		110.0: 4 cm quartz/carbonate vein/breccia with considerable grey sulphide, pyrite and some sphalerite		py gr sphal				3088	110.0	111.5	1.5	0.028	0.05	0.25	0.17		
		111.0: broken quartz/carbonate veinlets with grey sulphides @ 30°		gr													
		111.7: irregular quartz/carbonate veinlet with grey sulphide		gr				3089	111.5	112.5	1.0	0.016	0.02	0.02	0.05		
		112.0-112.5: strong potassic/siliceous alteration with weak stockwork carrying some grey sulphides				S	S										
		112.5-113.5: strong clay alteration in fractures and thin gouge zones accompanied by intensely silicified rock carrying fine galena, sphalerite minor pyrite		ga sphal py	S	S	S	3090	112.5	113.5	1.0	0.008	0.24	0.93	0.85		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		112.8: good sphalerite and fine galena in quartz carbonate vein		sphal ga													
		-strong potassic alteration with varying intensity of silicification and quartz veining				S	S	3091	113.5	114.5	1.0	0.018	0.30	0.10	0.13		
		114.3: 1 cm quartz vein, minor grey sulphides @ 45°, cut off by cross-cutting fractures @ 20°		gr													
		114.5: 1 cm quartz vein with considerable grey sulphide, sphalerite, minor pyrite		gr sphal py				3092	114.5	115.5	1.0	0.022	0.88	0.57	1.76		
		114.8: zone of strong quartz veining dominantly @ 45°															
		115.0-115.2: intense silicification/veining/ brecciation with 5 mm sphalerite veins and some sulphide fragments -strongest sulphide veins are along periphery of 2-5 cm wide quartz veins		ga sphal		S	S										
		115.4: return to moderate/weak potassic alteration with very little veining -green feldspars carbonate alteration in matrix			W		W	3093	115.5	117.5	2.0	<0.003	0.01	<0.01	0.03		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
117.5	131.4	Fine grained phase of brown feldspar porphyry			W		W												
		-compositionally very similar to above rock, but texturally is much finer and more equigranular																	
		-matrix appears gritty rather than dense, fine grained																	
		-small crystals of feldspar, few octahedral pyroxenes (altered to carbonate)																	
		-weak irregular potassic or argillic alteration																	
		120.2: 5 mm quartz/pink carbonate vein @ 35°						3094	121.0	123.0	2.0	0.006	0.07	0.01	0.02				
		121.9: 5 mm quartz vein with pyrite @ 25°		py			W												
		-weak potassic halo																	
		122.2: 15 cm quartz-chlorite-hematite vein @ 45°																	
		124.2: fractures @ 30° with potassic halo																	
		127.5: 1 cm banded quartz-pink carbonate-chlorite vein @ 45°						3095	127.0	129.0	2.0	0.006	0.03	0.01	0.02				
		130.2: weak potassic alteration with 3 quartz-chlorite veins @ 30-45°					W	3096	129.0	131.0	2.0	0.003	0.10	0.01	0.02				
		131.4 END OF HOLE																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	129.8m	HOLE NO. GL-84-9
LOCATION	590N 245E	Collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO. 1 of 11
ELEVATION	1791 m	61.0		-45°	Acid	TOTAL RECOVERY	95%	LOGGED BY G. McLaren
LATITUDE	603.9N					STARTED	August 2/84	CLAIM Golden Lion 2
DEPARTURE	237.0E					COMPLETED	August 4/84	PURPOSE

G McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	6.1	Casing																6.1	cas
6.1	49.0	Moderate to strong potassic/siliceous alteration zone with numerous veins and local stockwork sections, imposed on brown feldspar-pyroxene porphyry host rock	3	He Py		S	S											7.9	60
		-general silicification throughout with varying pink potassic alteration																10.9	80
		-areas of stockwork show grey silica flooding and later creamy quartz veins																14.0	60
		-minor carbonate in veins																17.0	100
		-disseminated pyrite occurs in sections, hematite common																20.1	100
		-limonite stains along fractures																23.2	95
		-where less altered, rock is dark grey-green with remnant feldspar crystals																26.2	105
																		29.3	85
		6.1-8.0: stockwork of grey and creamy quartz in pink, bleached fragmental host	2	Py		S	S	3101	6.1	8.0	1.9	0.006	0.08	0.01	0.02			32.3	105
		-disseminated pyrite, trace grey sulphide	tr	Gr														35.4	100
		8.0-13.5: variable potassic alteration with grey-green patches of carbonate-clay alteration				M	M	3102	8.0	10.0	2.0	<0.003	0.06	0.02	0.05			36.6	105
		-irregular veining						3103	10.0	12.0	2.0	0.005	3.22	0.03	0.04			39.6	105
																		42.7	100
								3104	12.0	14.0	2.0	<0.003	0.10	0.01	0.04			44.5	100
		N.B. blocky core/poor recovery to 14.0																46.3	100
																		47.8	100
		13.5: commence 15m section of strong potassic/	3	He		S	S											50.6	92
																		53.3	100
																		56.4	100
																		58.2	100
																		61.3	100
																		62.8	100
																		65.5	100
																		67.4	100
																		69.5	90
																		71.9	90
																		75.0	90

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		siliceous alteration		Py												78.0	100
		-disseminated hematite, minor pyrite														81.1	100
		14.8: 4cm siliceous vein @ 30° with fragments of	2	gr		S	S	3105	14.0	15.0	1.0	0.006	0.78	0.04	0.09	84.1	90
		altered host	2	sphal												87.2	95
		-grey sulphides, sphalerite, minor pyrite	1	py												88.1	100
																91.1	92
		14.9-15.1: intense grey silicification				S										93.3	100
		15.3: grey quartz veins with patchy grey sulphides	1	gr				3106	15.0	16.0	1.0	<0.003	0.06	0.01	0.05	95.7	100
		sphalerite and trace chalcopyrite @ 45°, cut by	1	sphal												96.9	95
		later cream quartz veins @ 15°	tr	cpy												99.4	65
		15.7: irregular grey quartz veins with minor grey	1	gr												101.2	95
		sulphides														102.1	92
		15.9: 2cm quartz vein in fractures with clay														103.0	70
		alteration, @ 45°														105.5	105
		16.1: 3cm grey quartz vein with minor grey	1	gr												108.5	100
		sulphides, trace sphalerite @ 40°	tr	sphal				3107	16.0	17.0	1.0	0.003	0.10	0.02	0.06	111.6	100
																114.6	100
																117.7	100
		-continue in strong alteration with variable				S	S									120.7	100
		fractures and locally a broad weak stockwork														123.8	100
		development														126.8	100
		20.0: 1cm quartz vein @ 50° with sphalerite, grey		gr												129.8	100
		sulphide		sphal				3108	17.0	19.0	2.0	0.003	0.04	0.01	0.05	-	-
		-cut by other irregular veins															
		20.3: 1cm quartz vein @ 50° with grey sulphide		gr				3109	19.0	20.0	1.0	0.003	0.10	0.04	0.07		
		21.2: 1cm banded quartz vein @ 50°						3110	20.0	22.0	2.0	0.005	0.06	0.01	0.04		
		22.8: 1cm clay gouge @45°															
		23.5: 1cm grey quartz vein @ 20°						3111	22.0	24.0	2.0	<0.003	0.06	0.01	0.05		
		25.9: 5mm quartz vein @ 10° with trace grey	-	gr													
		sulphide						3112	24.0	26.0	2.0	0.020	0.16	0.01	0.06		
		26.1: irregular grey quartz vein with trace grey															
		sulphide						3113	26.0	28.0	2.0	0.003	0.14	0.04	0.06		

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		28.5: return to variable weak/strong potassic/ siliceous alteration with less altered rock showing grey-green carbonate and clay alteration -montmorillonite alteration of feldspars						3114	28.0	30.0	2.0	0.006	0.14	0.15	0.07		
								3115	30.0	31.0	1.0	0.003	0.04	0.01	0.04		
		31.8: thin gouge zone followed by strong potassic alteration with thin quartz veinlets @ 20-25° carrying grey s lphides		gr				3116	31.0	32.0	1.0	0.008	0.18	0.16	>1.00		
		32.0: patchy quartz veining @ 10-20° with considerable fine galena, sphalerite, minor pyrite		sphal ga				3117	32.0	33.0	1.0	0.010	0.01	0.26	0.57		
			tr	py													
		-crystals of pink barite		ba													
		-follow through a zone of irregular stockwork with mineralization to 34.5															
		-potassic alteration is irregular moderate to strong (feldspars are always pink, but not the matrix)				M											
		32.3: fractured sphalerite with grey sulphides in irregular quartz veins:		sphal gr													
		32.4-32.6: continue with same irregular veining and mineralization		sphal gr													
		33.8-33.9: irregular silicified fracture/vein zone with mineralization as above				S		3118	33.0	34.0	1.0	0.054	0.13	0.25	0.65		
								3119	34.0	35.0	1.0	0.006	0.04	0.13	0.46		
		36.3: begin another section of veining and stronger potassic alteration				S		3120	35.0	37.0	2.0	0.020	0.10	0.03	0.06		
		36.3-quartz/pink carbonate veins 1-2cm wide with breccia, @ 10-20°															
		36.6: silicified breccia (broken core)				S											
		36.9: grey siliceous zone, trace grey sulphides	tr	gr		S											

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		36.9-37.8: strong silicification, grey and white quartz, some pink carbonate	3	gr		S		3121	37.0	38.0	1.0	0.082	0.12	0.21	0.36		
			1	sphal													
			1	py													
		-irregular brecciation and veining															
		-patchy grey sulphides, some sphalerite, minor disseminated pyrite															
		37.8: continue in moderate to strong potassic/ siliceous alteration	1	py		M	M	3122	38.0	39.0	1.0	0.010	0.10	0.02	0.05		
		-minor disseminated pyrite, mainly in veinlets															
		-quartz carbonate veinlets common, mainly @ 10-20°						3123	39.0	41.0	2.0	0.022	0.10	0.01	0.05		
		41.0: continue as above, with evidence of grey-green altered host rock	2	py													
			3	he				3124	41.0	43.0	2.0	0.008	0.06	0.01	0.05		
		-disseminated pyrite hematite															
		41.5-42.1: moderate stockwork zone															
		41.7: fractures with weak clay alteration @ 50°															
		-no pervasive pink alteratiion, but feldspars are altered	7	py			W										
								3125	43.0	45.0	2.0	0.012	1.28	0.10	0.17		
		-many quartz/carbonate veinlets															
		-variable disseminated pyrite 5-10%															
		-veinlets often @ 20-30° or 40-50°															
		-after 46.5m have distinct green grey matrix with pink feldspars, traces of octahedral mineral (pyroxene(?) with carbonate alteration						3126	45.0	47.0	2.0	0.022	0.10	0.05	0.18		
		-chlorite and carbonate alteration common						3127	47.0	49.0	2.0	0.060	0.10	0.07	0.14		
		48.0: weak potassic alteration, but still have banded veinlets and irregular pink alteration					W										
49.0	90.0	Brown feldspar-pyroxene porphyry					W										
		-textures now clearly identify this unit: contact															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		appears gradational and previous section is likely a well altered version of this rock															
		-crowded feldspars, octahedral pyroxenes altered to carbonates															
		-chloritic alteration of some mafics															
		-overall weak potassic alteration															
		50.6: 5mm banded siliceous fracture zone @ 45°						3128	50.0	52.0	2.0	0.038	0.12	0.01	0.05		
		51.5: irregular quartz vein/breccia slightly amethystine															
		52.2: 2-3cm grey quartz vein/breccia @ 50°															
		54.9: irregular quartz vein breccia with patches of green clay	tr	gr				3129	54.0	56.0	2.0	0.008	0.08	0.04	0.08		
		-trace grey sulphides															
		55.7: 2-3cm quartz/carbona e vein/breccia @ 30° with trace grey sulphides	tr	gr													
		-weak stockwork in this area						3130	56.0	58.0	2.0	0.006	0.14	0.02	0.04		
		56.5-59.5: potassic alteration moderate with thin quartz/carbonate veinlets @ 10-20°					M	3131	58.0	60.0	2.0	0.012	0.08	0.03	0.09		
		56.9: irregular quartz veining with grey sulphides		gr													
		58.4-58.5: thin quartz veinlets with intense potassic selvages		gr sphal			S										
		-grey sulphide and sphalerite															
		58.7: thin quartz veinlets trace grey sulphide	tr	gr													
		59.9: 5mm quartz/carbonate veinlet @ 50° with grey sulphide		gr													
		-appear to have a moderate-strong silicification here with finely disseminated pyrite (3-7%) but no pervasive potassic alteration	5	py		S	W	3132	60.0	63.0	2.0	0.006	0.12	0.02	0.07		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		62.7: irregular quartz veining with grey sulphides		gr				3133	62.0	64.0	2.0	0.008	0.12	0.04	0.11		
		63.0-64.0: irregular carbonate stringers, often with chlorite alteration inrims & on fragments															
		64.7: carbonate vein/breccia @ 55°															
		65.6: irregular grey quartz/carbonate veinlet with trace grey sulphide	tr	gr													
		65.9: 5mm carbonate/quartz veinlet @ 45° with grey sulphide, trace sphalerite, trace chalcopyrite		gr				3134	66.0	68.0	2.0	0.004	1.40	0.07	0.18		
			tr	sphal													
			tr	cpy				3135	70.0	72.0	2.0	<0.003	0.54	0.01	0.06		
		76.0-76.1: 5mm quartz carbonate veinlets with chlorite @ 75°															
		-continue in brown porphyry with variable disseminated pyrite (2-4%)	3	py				3136	74.0	76.0	2.0	<0.003	0.16	0.01	0.02		
		-few thin carbonate/quartz veinlets @ 10-20°															
		78.0-78.6: weak bleaching with moderate silicification and increased disseminate pyrite	5	py				3137	78.0	79.0	1.0	<0.003	0.50	0.07	0.16		
		78.8: quartz/carbonate plus chlorite veinlet @ 70° with trace grey sulphide	tr	gr													
		79.4: 5mm quartz/carbonate veinlet @ 0°															
		80.0: 5mm quartz/carbonate veinlet @ 80° with minor pyrite, trace grey sulphide	1	py				3138	80.0	82.0	2.0	<0.003	0.14	0.01	0.03		
			tr	gr													
		80.9: 1cm crystalline grey quartz vein with chlorite @ 70°															
		81.3: banded quartz/carbonate vein @ 70°															
		81.6: 1-2cm quartz.carbonate vein/breccia with chlorite @ 40-50°															
		83.5: 5mm quartz/carbonate plus chlorite vien @ 60°						3139	84.0	86.0	2.0	<0.003	0.06	<0.01	0.02		
		88.0: 3.5cm quartz/pink carbonate vein @ 10° with grey sulphide, sphalerite, trace chalcopyrite		gr													
				sphal, cpy													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		88.7: quartz/carbonate plus chlorite breccia @50°						3140	87.5	89.5	2.0	<0.003	0.36	0.02	0.10		
		89.8-90.0: thin fractures with quartz carbonate						3141	89.5	90.5	1.0	<0.003	0.08	0.04	0.15		
		veinlets @10° form the contact between fresh															
		brown porphyry and strong potassic/siliceous															
		alteration															
90.0	93.3	Strong potassic/siliceous alteration with	4	gr		S	S										
		mineralized veinlets, in brown porphyry	2	sphal													
			tr	cpy													
		-many veinlets carry grey sulphide, minor															
		sphalerite, trace chalcopyrite															
		90.5-91.4: zone of intense silicification with		gr		S		3142	90.5	91.5	1.0	0.018	9.82	0.16	0.35		
		moderate veining/brecciation															
		-fine grey sulphides form denser patches locally															
		-quartz varies from grey to green to cream															
		-potassic alteration continues with mineralized				S	S										
		veinlets to 91.9						3143	91.5	92.5	1.0	0.010	0.34	0.10	0.23		
		-continue with brown feldspar porphyry with green															
		montmorillonite in feldspars cut by irregular															
		veins and zones of strong pink potassic/siliceous															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		alteration															
		92.0-92.1: 5mm veinlets with mineralization @45°															
		92.4: 3cm quartz veinlet															
		92.6: 5mm clay gouge @ 40°															
		92.8: 5mm quartz vein, grey sulphide, and sphalerite, @ 45°		gr sphal				3144	92.5	93.5	1.0	0.010	4.64	0.15	0.22		
		93.0: 5mm quartz vein @ 45°															
93.3	105.0	Brown feldspar-pyroxene porphyry with variable potassic siliceous alteration and veining															
		93.4: grey siliceous zone with grey sulphide, trace sphalerite	tr	gr sphal		S											
		-very broken core															
		93.5: grey quartz/carbonate breccia in broken core, with grey sulphide minor sphalerite		gr sphal				3145	93.5	95.5	2.0	0.003	0.78	0.06	0.14		
		94.0: 1cm quartz/carbonate vein @ 60°															
		94.7: 1cm quartz/carbonate vein @ 80° with minor grey sulphide		gr													
		97.0: 5mm quartz vein @ 50° with grey sulphide traces and pink selvages		gr			M										
		99.2: quartz veinlet with pink selvages, trace grey sulphide	tr	gr			M										
		-still in broken core															
		99.8: quartz vein with pink selvages and minor grey sulphide @ 65°, cut off by quartz/carbonate veinlets @ 10°															
		100.8-101.0: potassic alteration and bleaching with disseminated pyrite up to 4%	2	py		S	S	3146	100.0	102.0	2.0	0.006	0.98	0.03	0.08		
		-irregular quartz veining, minor grey sulphide		gr													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION X		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		101.2: 1cm grey quartz/carbonate vein with grey sulphide, sphalerite, pyrite, @ 75°		gr sphal py															
		103.3: 5mm grey quartz vein @ 60°, grey sulphide, minor sphalerite, strong potassic selvages		gr sphal			S												
		103.5: increased potassic alteration to a weak pervasive pinkish colour, with intense zones and selvages associated with veining					M												
		104.0: irregular grey quartz patch with grey sulphides and strong potassic selvages		gr			S	3147	104.0	105.0	1.0	0.008	0.38	0.03	0.12				
		104.3-104.4: grey quartz veins @ 10° with disseminated grey sulphide and potassic selvages					S												
105.0	129.8	Host rock is becoming much finer and more even textured (not porphyritic) -the matrix appears gritty rather than dense, fine grained -feldspars are no longer crowded together; some feldspars show the green montmorillonite alteration -carbonate in matrix common -compositionally rock appears quite similar, but texturally is very different; may be a tuffaceous equivalent, border phase of intrusive, or a separate similar tuff						3148	105.0	106.0	1.0	0.006	0.10	0.17	0.12				
		105.6-105.8: strong silicification and thin clay shears @ 45° -patchy grey sulphides		gr		S													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		105.9: dark grey quartz-sulphide veinlets @ 45°		gr		S	S	3149	106.0	107.0	1.0	<0.003	0.08	0.20	0.15		
		within a zone of intense pink potassic alteration															
		that continues to 106.5															
		-continue with numerous quartz/carbonate veinlets,															
		irregular attitute or @ 45-60°						3150	10.7.0	109.0	2.0	0.006	0.18	0.02	0.10		
		-some thin clay fractures															
		109.0: grey quartz carbonate breccia zone with		gr													
		minor grey sulphides, trace sphalerite	tr	sphal													
		109.0-112.0: many 5mm quartz/carbonate veinlets,															
		some with breccia, dominantly @ 20-30°															
		112.6-114.6: strong potassic alteration					S	3151	112.0	114.0	2.0	<0.003	0.12	0.01	0.02		
		112.6-112.9: silicification and brecciation		gr		S											
		with grey sulphide															
		114.8-115.0: zone of fractures and clay alteration			S			3152	114.0	116.0	2.0	<0.003	0.06	0.02	0.03		
		and quartz veining @ 50°															
		115.0-120.0: moderate, intermittent potassic					M										
		alteration															
		-irregular veining/brecciation often @ 10-20°						3153	118.0	120.0	2.0	<0.003	0.02	<0.01	0.03		
		120.0: 5cm quartz/carbonate, multiphase @ 30°					S										
		and 60°															
		-intense potassic selvage															
		-continue with pale grey-brown gritty tuffaceous															
		with irregular carbonate/quartz fractures															
		122.3: quartz/carbonate vein/breccia @ 45°						3154	122.0	124.0	2.0	0.006	0.04	0.01	0.03		
		122.6: 5mm pink carbonate vein @ 30°															
		122.7: fractures with carbonate/quartz @70°															
		125.8-125.9: fracture zone with clay alteration@40°			S			3155	127.0	129.0	2.0	<0.003	0.08	0.01	0.03		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-continue to end in same fine gritty rock with																	
		little/no potassic alteration																	
		-montmorillonite in feldspars																	
		-some carbonate-altered octahedral grains																	
		129.8: End of hole																	

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 44.5 m	HOLE NO. GL-84-10
LOCATION 195N 185E	Collar	020°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 5
ELEVATION 1865 m					TOTAL RECOVERY 86%	LOGGED BY G. McLaren
LATITUDE 190.1N					STARTED Aug. 14/84	CLAIM Golden Lion
DEPARTURE 186.8 E					COMPLETED Aug. 15/84	PURPOSE

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	12.2	casing																12.2	cas
																		13.4	10
12.2	14.0	Broken core, clay gouge and argillic alteration				S												16.2	86
		poor recovery																16.8	90
																		20.1	90
14.0	19.0	Zone of intense pink potassic alteration with		py			S											23.2	90
		thin irregular quartz carbonate veinlets																26.2	90
		-some remnant feldspar crystals, locally showing																29.3	100
		green montmorillonite alteration																32.3	100
		-appears to be altered brown feldspar/pyroxene																35.4	95
		porphyry																38.4	75
		-local minor disseminated pyrite																41.1	105
																		43.0	95
		14.2: 3cm limonite selvage on						3156	14.0	15.0	1.0	0.024	0.22	0.02	0.08			44.5	30
		15.1: open fractures with																—	—
		15.9: calcite/caliche coatings						3157	15.0	16.0	1.0	0.056	0.20	0.05	0.11				
		14.6-17.6: weak stockwork/fracturing of fine		ga				3158	16.0	17.0	1.0	0.012	0.18	0.15	0.21				
		quartz/carbonate veinlets, or thin sulphide	tr	gr															
		veinlets containing minor galena, grey sulphide,	tr	py															
		trace sphalerite, pyrite		sphal				3159	17.0	18.0	1.0	0.072	0.30	0.51	0.48				
		-trace disseminated pyrite through host rock																	
		16.0: 2cm quartz/carbonate vein with minor grey		gr															
		sulphide @ 20°																	
		-limonite staining																	
		16.3: fractures with carbonate/quartz openings		gr			S												
		and thin grey sulphides throughout @ 75°																	
		16.5- 16.8: clay gouge zone, minor fault																	

PROJECT: GOLDEN LION HOLE: GL-84-10 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		16.8-17.6: zone of intense silicification and veining with minor potassic altered fragments		ga		S											
				gr													
		-disseminations/massive patches of galena, grey sulphide, sphalerite, trace pyrite		sphal													
				py													
		-zone includes clay shears, with quartz veining and gouge															
		-stockwork finishes @ 17.6 but potassic alteration continues with pale green feldspars					M										
		18.6: quartz vein with chlorite selvages		py				3160	18.0	19.0	1.0	0.020	0.15	0.01	0.04		
		-amethystine, in part		ga													
		-disseminated pyrite, minor sphalerite, galena		sphal													
19.0	23.0	Brown feldspar porphyry with propylitic alteration	3	py			W	3161	19.0	21.0	2.0	0.020	0.13	0.01	0.04		
		-good feldspar phenocrysts	1	sphal													
		-some with either carbonate or green nontmorillonite alteration of mafics and matrix						3162	21.0	23.0	2.0	0.032	0.30	0.10	0.20		
		-potassic alteration is variable from weak to moderate															
		-irregular fractures and veining															
		-local disseminated pyrite, trace - 5%															
		-weak disseminated grey sulphide, and sphalerite, usually associated with veinlets															
		21.3-21.9: increase in irregular fractures with quartz/carbonate fillings carrying grey sulphides and sphalerite		gr													
23.0	24.2	Moderate to strong potassic alteration/silicification in zone of many fine fractures with clay alteration in fractures				S	S	3163	23.0	24.0	1.0	0.032	0.13	0.06	0.20		

PROJECT: GOLDEN LION HOLE: GL-84-10 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-includes some limonite selvages from surface alteration																	
24.2	25.2	Strong clay alteration mainly related to shearing -foliated grey clays with minor finely disseminated pyrite -foliation at varying angles, but often @ 50-60° -includes pink carbonate veinlets with disseminated pyrite		py		S		3164	24.0	25.0	1.0	0.010	0.20	0.13	0.23				
25.2	27.9	Zone of variable strong potassic alteration to strong silicification with veining of a green chloritic host -host contains feldspar-pyroxene phenocrysts: propylitic alteration of the brown prophyry				S	S	3166	25.0	26.0	1.0	0.012	0.13	0.42	0.16				
								3167	26.0	27.0	1.0	0.006	0.25	0.50	1.09				
		-patches of potassic alteration up to 40 cm, separated by fractures																	
		25.7-25.9: chloritic alteration cut by siliceous zone with pink carbonate veinlets carrying galena sphalerite, minor pyrite		ga sphal py		S													
		26.0-26.2: broken core, chips similar to 25.7 but with coarse sphalerite grains		sphal		S													
		26.4-26.6, 27.1-27.2: as at 25.7																	
		27.9: contact with harder more massive material along a clay shear @ 65°																	
27.9	37.0	Brown feldspar porphyry with propylitic alteration																	

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-finer version of previous porphyry															
		-fine-medium feldspar crystals distributed throughout, some with carbonate alteration															
		-matrix is fine grained grey-green, with dusty clay altered specks															
		-some hematite staining															
		27.9-29.5: orange hematite stain in feldspars						3168	27.0	28.0	1.0	0.008	0.15	0.08	0.22		
		-very fine fractures with carbonate veinlets						3169	28.0	30.0	2.0	<0.003	0.13	<0.01	0.03		
		-continue into green-brown massive rock with propylitic alteration						3170	30.0	32.0	2.0	0.012	0.14	<0.01	0.03		
								3171	36.0	37.0	1.0	<0.003	0.05	0.01	0.04		
		-chlorite in mafics and matrix															
		-carbonate in feldspars															
		-many irregular carbonate filled fractures															
		33.0: carbonate breccia/vein	3	py													
		-pink carbonates															
		-disseminated pyrite 2-4%															
37.0	37.7	Strongly silicified zone with irregular quartz veins and disseminated pyrite		py		S		3172	37.0	38.0	1.0	0.032	0.23	3.36	0.06		
		37.1: contains 2cm zone of galena, with minor sphalerite, pyrite in vein @ 5°		ga sphal py													
		-specks of disseminated galena elsewhere in section															
		-most veining tends to be across core: 0-15°															
37.7	44.5	Return to brown porphyry with propylitic alteration	3	py													
		-very finely disseminated pyrite, trace - 5%															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		38.5-38.6: thin clay gouge in fractures @ 0-10°						3173	38.0	39.0	1.0	<0.003	0.12	0.03	0.03		
		41.0-41.1: thin silicified zone with galena and		ga		S											
		sphalerite in patches in veinlets		sphal				3174	41.0	42.0	1.0	<0.003	0.10	0.23	0.09		
		-veining tends to be 0-10°															
		41.2: 2cm pink carbonate/quartz vein @ 5°															
		41.9: thin clay gouge in broken core															
		-continue to 44.5 in very broken core with isolated siliceous patches, weak disseminated pyrite and clay gouge															
		-lost hole @ 44.5: due to broken shoe/bit in tight hole															
		N.B. Hole may have entered a tight clay gouge-fault zone at this point															
		44.5: End of Hole															

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 114.3 m	HOLE NO. GL-84-11
LOCATION	195N 185E	Collar	020°	-55°	Compass	CORE SIZE BQ	SHEET NO. 1 of 11
ELEVATION	1865 m	90.0m		-52°	Acid	TOTAL RECOVERY 91%	LOGGED BY G. McLaren
LATITUDE	190.1N					STARTED August 16/84	CLAIM Golden Lion
DEPARTURE	186.8E					COMPLETED August 18/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	9.8	Casing																9.8	cas
9.8	32.2	Brown feldspar pyroxene porphyry with strong potassic alteration, cut by irregular fracture zones giving strong clay alteration					S											11.0	65
																		14.0	65
																		14.3	60
																		17.1	70
		-initial intersection shows moderate-strong potassic alteration																19.8	35
																		20.4	100
		-feldspar phenocrysts show weak carbonate alteration																21.6	70
																		23.2	50
		-minor disseminated pyrite																25.0	80
		-disseminated and veinlet hematite, locally gives orange alteration																26.2	63
																		27.4	83
		-very broken core: variable recovery																29.9	85
																		32.6	82
		12.4: 5cm quartz veining in fracture zone, considerable limonite staining						3175	12.0	14.0	2.0	<0.003	0.35	0.02	0.06			35.4	95
																		36.3	87
		12.8: 5mm carbonate veinlet @ 80°																39.0	87
		14.0: commence strong clay alteration in irregular patches				S												39.9	100
																		41.5	100
		-distinct gouge zones @ 14.8, 15.5, 16.8 and 19.8																44.5	100
																		46.9	95
		15.0: 4cm zone of quartz veins, with fine grained grey sulphide, trace sphalerite and pyrite, @ 0°		gr		S												47.8	100
			tr	sphal														49.4	100
			tr	py														50.6	80
		20.4: 15cm siliceous zone, grey-cream quartz with irregular patches of grey sulphide, minor galena, sphalerite, trace pyrite		gr		S		3176	20.0	21.0	1.0	0.022	16.34	0.37	0.98			51.8	100
				ga														53.0	100
				sphal														56.1	97
				py														56.7	100

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-late carbonate in fractures														59.7	98
		-finish with sharp angle between siliceous and clay gouge @ 45°				S										61.9	86
																62.8	100
																65.8	100
		-return to strong potassic alteration					S									68.9	100
																71.9	100
		21.6: 2cm siliceous zone with minor grey sulphide and galena @ 0-10°, followed by 2-3cm clay gouge		gr sphal		S		3177	21.0	22.0	1.0	<0.003	1.18	0.05	0.10	74.4	100
																77.4	100
																80.5	100
		-followed by 4cm of silicified porphyry with disseminated pyrite		py		S										83.8	100
		-followed by 10cm of hematitic silicified porphyry		he		S										86.9	96
																89.9	100
																90.2	100
		23.0-23.8: strong potassic and siliceous alteration		py gr		S	S									93.0	96
		-trace disseminated pyrite, grey sulphide														96.0	100
																97.8	100
		-return to clay altered porphyry			M											99.4	97
		24.9: weak quartz veinlet with grey sulphide, trace galena, @ 40°	tr	gr ga				3178	24.0	26.0	2.0	0.016	0.22	0.02	0.10	102.4	100
		25.6-25.8: clay gouge with grey-white quartz veining			S											104.2	100
																105.4	100
																108.5	100
																111.6	100
																114.3	93
		28.0: weak clay alteration in potassic porphyry			W		S									-	-
		29.6: carbonate/quartz veinlet @ 50°															
		29.7-29.9: broken core pieces of quartz veins with grey sulphides		gr				3179	29.0	31.0	2.0	0.014	0.33	0.02	0.05		
		30.1: slicken sides @ 60-70°															
		30.2: 5m carbonate/quartz veinlet @ 45°						3180	31.0	32.0	1.0	0.010	0.43	0.10	0.41		
		31.5-31.6: siliceous zone with patchy grey sulphide, minor sphalerite, trace galena, chalcopyrite @ 0-10°	tr	gr sphal ga		S											

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
			tr	cpy													
		-return to clay altered potassic porphyry			W		S										
32.2	37.5	Pale green-grey, moderately silicified porphyry	3	py		M											
		with irregular veining and weak bleaching through-	tr	he													
		out (weak stockwork)															
		-medium-fine grained feldspars, white with carbon-															
		ate alteration set in a grey-green matrix with															
		dusty clay(?) alteration															
		-very finely disseminated pyrite 1-5%															
		-trace hematite															
		-local pink alteration due to potassic or hematite															
		-local strong carbonate alteration in matrix															
		-mafics altered to chlorite and carbonate															
		32.4: 5cm zone with irregular thin quartz/carbon-	tr	ga				3181	32.0	33.0	1.0	0.034	0.30	0.06	0.14		
		ate veining some containing trace galena and	tr	sphal				3182	33.0	34.0	1.0	0.042	0.22	0.12	0.48		
		sphalerite															
		32.9: as at 32.4						3183	34.0	35.0	1.0	0.044	0.16	0.17	0.14		
		-veins tend to be @ 45°, but often cut by 75-85°						3184	35.0	36.0	1.0	0.038	0.18	0.10	0.10		
		fracture offsets															
		-continue with numberous thin veinlets @ 45-85°,						3185	36.0	37.0	1.0	0.016	0.10	0.09	0.19		
		some with sulphides						3186	37.0	39.0	2.0	0.010	0.14	0.03	0.11		
		-generally a grey, carbonate matrix alteration with															
		spotty potassic patches															
37.5	42.9	Brown-green feldspar porphyry with weak propylitic		he													
		alteration															
		-a finer grained phase of the porphyry with															

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		carbonate/chlorite alteration of mafics and carbonate alteration through the matrix														
		-disseminated hematite gives brown colour to hematite														
		-fairly massive, less altered or veined than previously														
		39.4-39.8: fractures with quartz/carbonate veining @ 75-85° with weak potassic alteration between veinlets				W										
		40.9: 15cm carbonate filled fracture/breccia @ 40°														
		41.9: thin carbonate veinlets @ 0°														
		42.5: 5mm carbonate veinlet @ 65° carrying sphalerite, galena	sphal ga													
42.9	47.2	Strong potassic alteration in brown porphyry				S										
		-rapid change along no structural break: moderate alteration quickly progresses to strong														
		-still have green montmorillonite in feldspar phenocrysts														
		43.5: 10cm siliceous zone with white quartz veins carrying grey sulphide, minor galena, sphalerite	gr ga sphal		S	S	3187	43.0	44.0	1.0	0.010	0.14	0.05	0.08		
		44.0: moderate potassic alteration in patches with green propylitic altered porphyry				M	3188	44.0	45.0	1.0	0.014	0.14	0.09	0.08		
							3189	45.0	47.0	2.0	0.012	0.12	0.01	0.07		
		46.6: 1cm quartz/carbonate veinlets @ 40° with grey sulphide minor sphalerite	gr sphal			S										
		-strong potassic selvage														
		47.0: quartz/carbonate veinlet carrying grey	gr			S										

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		sulphide, sphalerite		sphal													
47.2	50.0	Strongly silicified zone with irregular veining carrying sulphides	8	py ga sphal		S		3190	47.0	48.0	1.0	0.014	0.18	0.59	0.76		
		-siliceous shear zone with multiple quartz veins, sulphide veinlets, plus clay alteration in shears -galena, sphalerite and pyrite in veins -3-12% pyrite disseminated throughout															
		47.5: quartz veins up to 1cm with sulphides @ 10°															
		47.8-50.0: quartz veining within silica flooding @ 0-20°				S											
		48.5: 1.5cm quartz vein with pink calcite in centre @ 15°						3191	48.0	49.0	1.0	<0.003	0.10	0.12	0.24		
								3192	49.0	50.0	1.0	<0.003	0.16	0.93	0.08		
		48.5-49.1: strong silicification and fracturing				S											
		49.3: clay coated shears in broken core, @ 80°(?) -followed by well fractured zone to 49.9															
		49.9: 1.5cm quartz vein with coarse galena, offset by fractures @ 80°		ga													
50.0	93.0	Brown feldspar porphyry with propylitic alteration		he				3193	50.0	52.0	2.0	0.012	0.13	0.07	0.34		
		-similar finer grained phase with only local dense accumulations of feldspar-pyroxene phen -carbonate and chlorite alteration of both matrix and mafics -feldspars oftenshow green montmorillontie alteration -disseminated hematite gives variable orange colouration -in numerous places within this section, porphyry															

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		appears auto-brecciated with fragments of variably altered or textured porphyry enclosed in the host															
		50.0: clay shear @ 60°															
		50.8: irregular pink carbonate vein with chlorite alteration rims, minor galena, cut by fractures @ 70-80°		ga													
		-auto brecciated textures															
		51.5-51.6: quartz/carbonate veins up to 2cm wide @ 45° carrying coarse sphalerite, minor galena -disseminated pyrite 3-5% in adjacent host rock		sphal ga													
		-continue with auto-brecciated textures in propylitic alteration															
		55.8: strong fracturing and silicification with irregular veining and some clay on fractures	4	py sphal ga	W	S		3194	55.5	56.5	1.0	0.014	0.13	0.19	1.00		
		-quartz/carbonate veining, locally with coarse sphalerite minor galena -pyrite disseminated in host, 2-5%															
		57.0-57.1: irregular fracturing with clay alteration			W			3195	57.0	59.0	2.0	<0.003	0.05	0.02	0.06		
		58.0: 4cm siliceous fractures @ 40° with minor disseminated galena, trace chalcopyrite		ga cpy		S											
		-continue in propylitic brown porphyry with auto-breccia textures															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-many thin carbonate veinlets															
		62.0: 7cm grey clay gouge @ 0°															
		62.8-68.4: zone of fracturing and strong argillic alteration		gr py	S			3196	63.0	65.0	2.0	<0.003	0.08	0.01	0.02		
		-multiple fractures with common directions @ 50°, and @ 75-90°	tr	cpy													
		-minor disseminated grey sulphide pyrite, trace chalcopyrite															
		-still in brown, brecciated porphyry															
		65.8-66.3: clay gouge followed by broken core and clay alteration			S												
		67.3: start zone of strong green montmorillonite alteration infeldspars with orange hematitic colour in matrix			S			3197	67.0	69.0	2.0	<0.003	0.14	<0.01	0.02		
		68.0: thin clay gouge															
		68.5: fractures with clay alteration and pink carbonate vein @ 10°			S												
		68.7: 4-5cm siliceous zone with 5-8% disseminated pyrite	6	py		S											
		69.0-69.5: clay gouge zones in brown porphyry			S												
		69.6-70.0: clay shear @ 70° followed by clay altered fractures			S												
		-continue in auto-brecciated porphyry, with fragments up to 20cm															
		-thin (1mm) carbonate veinlets in many directions						3198	72.0	74.0	2.0	<0.003	0.14	<0.01	0.01		
		74.3: 3cm clay gouge @ 70°			S			3199	76.0	78.0	2.0	<0.003	0.08	<0.01	0.01		
		78.0: 2cm clay gouge @ 0°															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		92.4: many anastamosing thin clay fractures @						3200	80.0	82.0	2.0	<0.003	0.04	<0.01	0.02		
		70-90°															
		-rock becomes lighter, slightly bleached						3201	84.0	86.0	2.0	<0.003	0.18	<0.01	0.01		
								3202	88.0	90.0	2.0	<0.003	0.18	<0.01	0.01		
								3203	92.0	93.0	1.0	0.016	0.14	<0.01	0.02		
93.0	95.0	Shear zone surrounded by bleached,weakly silicified, and pyritic material	4	py			W										
		93.0: bleached and weakly silicified pale green-grey rock with finely disseminated pyrite 3-5%						3204	93.0	94.0	1.0	0.014	0.18	0.05	1.18		
		93.4: becomes strongly sheared in grey green, thinly laminated clays @ 45-60°				S											
		93.8: followed by 20cm siliceous zone, bleached pale green, carrying 8% disseminated pyrite, patches of coarse sphalerite, minor galena -finish in 5mm clay gouge @ 10°, and pass immediately into 20cm of strongly sheared material @ 85° with coarse grains sphalerite	8	py sphal ga sphal		S											
		94.0: return to pale green weakly siliceous zone with very finely disseminated pyrite 5-8% throughout	6	py sphal ga		W		3205	94.0	95.0	1.0	0.018	0.18	0.06	0.01		
		-minor irregular disseminated sphalerite, galena, often in irregular carbonate veins															
		94.8: 10cm zone of irregular carbonate veining with 3% chalcopyrite, trace pyrite -minor quartz	3 tr	cpy py													
95.0	114.3	Takla Volcanics															
		-silicification and shearing above passes slowly into fine grained green volcanic	5	py cpy													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	Cu	RECOVERY RUN	RECOVERY %
		-few feldspar phenocrysts																
		-dominantly fine needles and laths of feldspar and dark green mafic (hornblende?)																
		-fine green chloritized matrix																
		-carbonate specks throughout																
		-numerous irregular carbonate stringers, often pink and often carrying chalcopyrite																
		-disseminated pyrite up to 5%																
		95.4: 1-2cm siliceous zone with disseminated sphalerite and grey sulphide		sphal gr		W		3206	95.0	96.0	1.0	0.010	0.14	0.01	0.20	0.05		
		95.6-95.7: irregular pink carbonate veinlets with disseminated chalcopyrite		cpy														
		96.3, 96.5, 96.7: pink carbonate veinlets with minor disseminated chalcopyrite		cpy				3207	96.0	97.0	1.0	<0.003	0.12	<0.01	0.02	0.05		
								3208	97.0	98.0	1.0	0.006	0.12	0.01	0.38	0.04		
		97.9: fracture zone with carbonate veining carrying coarse sphalerite		sphal														
		98.2: 3cm shear with clay alteration @ 15°				S		3209	98.0	99.0	1.0	0.012	0.12	0.01	0.07	0.01		
		followed by coarse carbonate gash																
		98.6: irregular fractures with weak silicification -disseminated sphalerite		sphal		W												
		99.0: clay altered shear @ 60°						3210	99.0	100.0	1.0	0.014	0.25	<0.01	0.78	0.01		
		99.8: fracture zone with minor sphalerite-galena-grey sulphide		sphal ga gr														
		100.6-101.1: thin irregular pink carbonate veinlets with sphalerite-galena-chalcopyrite		sphal gal cpy				3211	100.00	101.0	1.0	<0.003	0.16	<0.01	0.18	0.02		
								3212	101.0	102.0	1.0	0.006	0.35	0.02	1.95	0.21		
		101.3: 5cm clay gouge zone @ 60°				S												
		101.8-102.0: carbonate vein with sphalerite-galena chalcopyrite		sphal ga cpy														

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	Cu	RECOVERY RUN	RECOVERY %
		102.0: 15cm quartz/carbonate breccia zone with coarse sphalerite, minor galena, chalcopyrite		sphal				3213	102.0	103.0	1.0	0.008	0.12	0.01	1.26	0.03		
				ga														
				cpy				3214	103.0	104.0	1.0	0.010	0.10	0.04	1.67	0.01		
		103.2: 20cm silicified zone with carbonate in thin fractures		sphal		M												
				ga				3215	104.0	105.0	1.0	0.018	0.30	0.73	3.15	0.08		
		-coarse sphalerite, minor galena, chalcopyrite		cpy														
		-followed by clay shear zone @ 45-60°																
		-continue in green andesite, with many thin carbonate fractures carrying sphalerite, galena and chalcopyrite		sphal														
				ga														
								3216	105.0	106.0	1.0	0.016	0.16	0.04	0.13	0.05		
		105.7: clay gouge fractures @ 60°				S												
		106.3: quartz vein @ 45° with coarse sphalerite minor galena		sphal				3217	106.0	107.0	1.0	0.018	0.06	0.05	0.20	<0.01		
				ga														
		107.5-107.6: silicified zone with hematite		he		M		3218	107.0	108.0	1.0	0.006	0.12	0.02	0.03	0.01		
		107.9-108.0: silicified zone with sphalerite, galena, trace chalcopyrite		sphal		M												
				ga				3219	108.0	109.0	1.0	0.008	0.06	0.04	0.07	<0.01		
				cpy														
		108.9-109.1: silicification/quartz vein zone @ 50° with minor sphalerite, trace galena, chalcopyrite		sphal		M		3220	109.0	110.0	1.0	0.008	0.04	0.10	0.05	0.01		
				ga														
				cpy														
		-disseminated pyrite through host	3	py														
		109.3: clay gouge/fractures @ 0°																
		110.1: quartz/carbonate veins @ 45-60° with minor sphalerite		sphal				3221	110.0	112.0	2.0	0.008	0.10	0.02	0.27	0.01		
		110.3: quartz/carbonate vein @ 50°		sphal														
		-disseminated patches of sphalerite/galena		ga														
		111.4: irregular silicified zone with clay fractures				M												
		-sphalerite/galena in quartz veins						3222	112.0	114.0	2.0	0.014	0.06	<0.01	0.04	0.01		

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 11

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	Cu	RECOVERY RUN	RECOVERY %
		112.9: fractures with clay alteration @ 60°			M													
		113.6-114.0: irregular silicified zone and		sphal	M	M												
		carbonate veining and clay fractures with patchy		ga														
		sphalerite and galena	3	py														
		-disseminated pyrite in host																
		-4cm quartz/pink carbonate vein @ 15°																
		114.3: End of hole																

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 60.4m	HOLE NO. GL-84-12
LOCATION	605S 0W	Collar	220°	-45	Compass	CORE SIZE BQ	SHEET NO. 1 of 2
ELEVATION	1815 m					TOTAL RECOVERY 56%	LOGGED BY G. McLaren
LATITUDE	620.7 S					STARTED August 19/84	CLAIM Golden Lion
DEPARTURE	4.1 W					COMPLETED August 21/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	3.7	Casing											3.7	cas
3.7	60.4	Brown-grey-purple, feldspar crystal-lapilli to lithic-fragmental tuff		W									4.9	40
													6.1	80
		-feldspar phenocrysts, 2-7mm, generally pinkish (hematite stain) or green (montmorillonite alteration) with carbonate alteration											8.5	40
		-lithic fragments up to 10cm across of same feldspar tuff											9.5	90
		-small lithic fragments 1-3cm fine grained crystal tuff, some dark green with chlorite alteration, some pale brown with carbonate alteration											10.1	90
		-matrix is generally fine grained gritty with feldspar and hornblende crystals throughout											11.0	85
		-disseminated hematite gives variable purple colour											12.5	90
		-textures vary throughout from grain sizes in crystal and fragmental tuffs											13.1	90
		-marked lack of veining throughout											14.0	70
													15.9	40
		N.B. core is generally very broken often in small ground pebbles, hence recovery is extremely variable and generally poor											17.1	65
													19.8	85
		3.7-18.5: dominantly lapilli crystal tuff with minor lithic fragments											21.3	75
													23.1	45
													25.3	35
													26.2	85
													27.7	10
													31.4	60
													32.3	95
													32.9	95
													35.4	75
													36.3	75
													37.8	85
													39.0	30
													40.8	80
													42.0	35
													43.9	45

PROJECT: GOLDEN LION HOLE: GL-84-12 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		18.5-24.0: fine fragmental tuff												
		21.4: 10cm clay gouge												
		24.0-32.7: mixture of lapilli and fragmental tuff varying from grey-green chloritic to purple hematitic					3223	29.0	31.0	2.0	<0.003	0.2		
		-some fragments of pale brown lapilli tuff												
		28.0-31.4: hole began to deviate at approximately 28 metres and continued to 31.4												
		-casing was run to 28 metres												
		-resume drilling straight hole from 28 metres and duplicate core to 31.4, hence duplicate section recovered												
		32.7-33.7: pale brown lapilli tuff					3224	33.0	35.0	2.0	<0.003	0.2		
		-same pinkish feldspar crystals set in much lighter fine matrix												
		-carbonate alteration in matrix												
		-contact angles, top and bottom @ 80°												
		33.7: return to lapilli-fragmental tuff												
		34.0: carbonate filled fractures @ 30°												
		37.0: 5mm carbonate veinlet @ 40°												
		39.0: 5cm clay gouge		S			3225	39.0	41.0	2.0	<0.003	0.2		
		42.0: 5cm clay gouge		S										
		43.0: contact between fragmental and finer tuffs fine sediments @ 50°												
		43.7: similar contact @ 10°												
		56.0-58.0: finer crystal tuffs with bedding @ 40-50°					3226	49.0	51.0	2.0	<0.003	0.1		
		58.4-59.1: clay gouge zones		S										
		60.4: End of hole												
		-hole abandoned due to caving and squeezing, unable to drill												

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 68.0 m	HOLE NO. GL-84-13
LOCATION	610S 85W	Collar	040°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 4
ELEVATION	1810 m	65.8		-45°	Acid	TOTAL RECOVERY 60%	LOGGED BY G. McLaren
LATITUDE	632.2S					STARTED August 22/84	CLAIM Golden Lion
DEPARTURE	85.2W					COMPLETED August 25/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	5.5	Casing												5.5	cas
5.5	39.3	Brown feldspar crystal lapilli tuff and lithic fragmental tuff												7.0	60
														7.6	65
		-yellow-brown feldspar phenocrysts up to 5mm, many with carbonate alteration												9.8	15
		-black hornblende laths												12.8	40
		-set in a fine-gritty matrix with carbonate alteration												14.0	80
		-hematite disseminated irregularly throughout, 2-5%												17.1	60
		-locally very red hematitic stain in matrix												18.9	95
		-some fine carbonate altered mafic crystals in matrix												20.1	75
														20.9	55
		-lithic fragments are dominantly from same rock type but show varying staining or alteration												23.2	80
														23.8	55
		-textures grade between crystal tuff and lithic fragmental tuffs												25.3	15
		-distinct lack of veining												26.2	45
		N.B. broken core throughout, highly variable core recovery												26.8	45
														28.3	10
														29.3	20
														32.3	5
														33.8	40
														36.0	85
														38.4	95
														39.6	92
														39.9	50
		16.3: irregular quartz/carbonate filling in tuff						3227	12.0	14.0	2.0	<0.003	0.3	41.5	60
		18.9: 2cm clay gouge						3228	17.0	19.0	2.0	<0.003	0.2	42.7	90
		22.7: quartz/carbonate filling in tuff												44.5	88
		34.5: 10cm clay gouge												45.7	50
														46.0	20

PROJECT: GOLDEN LION HOLE: GL-84-13 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT	SAMPLE	FROM	TO	LENGTH	ASSAYS Au	ASSAYS Ag	RECOVERY RUN	RECOVERY %
		35.0: lithic fragmental is strongly dominant texture, many fragments with strong chloritic alteration				3229	35.0	37.0	2.0	0.003	0.2	46.9	40
		-set in purple hematitic matrix										49.1	15
		37.0: matrix of lithic tuff becomes quite calcareous										50.9	30
												51.8	25
												54.2	15
												57.3	95
39.3	43.0	Interbedded fragmental tuff and fine epiclastic sediments										59.7	100
												62.8	100
												65.8	100
		-thin laminae, 1-3cm thick, of fine to gritty sediments well bedded, within lithic fragmental tuff										68.0	86
												-	-
43.0	48.0	Well bedded epiclastic sediments				3230	43.0	45.0	2.0	<0.003	0.1		
		-fine grained and gritty epiclastic sediments (water lain tuffs?)											
		-well bedded @ 40°											
		-some sorting, graded bedding											
		-bedding still disrupted by lapilli and lithic clasts											
		46.2: clay gouge in broken core											
		46.7: clay gouge in broken core											
48.0	61.0	Brown-purple feldspar lapilli and lithic fragmental tuffs		He									
		-hematitic matrix											
		-thin gritty sedimentary laminae											
		50.7 clay gouge											

PROJECT: GOLDEN LION HOLE: GL-84-13 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		51.8: fine ash with a few feldspar crystals													
		54.0: clay gouge													
		54.3-57.3: pass through 3 sequences welded ash flows followed by lapilli tuffs			M			3231	55.0	57.0	2.0	<0.003	0.1		
		-ash flows have very fine matrix and stretched shards totally altered to fine green clay													
		-stretched fragments aligned @ 40° along core													
		-grades into a coarser tuffaceous material (inverse flow grading?)													
		57.3: medium to fine tuffs, gritty with lapilli horizons and some lithic fragments													
		-coarser horizons tend to be very pink from hematite stain in feldspars													
		-bedding @ 30-40°						3232	59.0	61.0	2.0	<0.003	0.1		
61.0	65.3	Well bedded sedimentary conglomerates and grits													
		-clasts tend to be bright pink or dark green chloritic													
		-upright grading sequences common													
65.3	68.0	Interbedded epiclastic sediments and lapilli tuffs													
		-sharp contact @ 40° with grey-green epiclastic/ tuffaceous material													
		-bedding @ 40°													
		65.8: fine green tuff with a few lapilli feldspars and hornblende laths, irregularly distributed in a very fine matrix													
		-some small lithic fragments													

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PROJECT: GOLDEN LION HOLE: GL-84-13 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		66.3: 3cm clay gouge										
		-continue through fine crystal tuff and ash to end										
		-last 15cm, change in colour to pale grey-brown but still in ash/tuff with vague layering @ 40°										
		68.0: End of hole										

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 64.6m	HOLE NO. GL-84-14
LOCATION	735S 25W	Collar	220°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 2
ELEVATION	1840 m	64.3		-47°	ACID	TOTAL RECOVERY 67%	LOGGED BY G. McLaren
LATITUDE	733.0S					STARTED August 25/84	CLAIM Golden Lion
DEPARTURE	26.6W					COMPLETED August 27/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	21.3	Casing										21.3	cas
		N.B. very broken core, variable recovery throughout										22.9	38
												25.9	13
21.3	31.7	Dark grey feldspar lapilli tuff	2	he								29.0	6
		-pink hematite stained and carbonate altered										31.1	17
		feldspar phenocrysts, up to 8mm across, set in a										32.0	89
		fine tuffaceous matrix with propylitic alteration										33.8	50
		some fine hornblende laths										35.1	92
		-specks of clay altered material										37.8	81
		-disseminated hematite 1-3%										38.7	100
												41.2	60
		22.5: clay gouge zones										42.7	97
		28.0: clay gouge zones										44.5	56
												46.0	60
31.7	40.5	Green-brown lithic fragmental to feldspar lapilli										47.6	81
		tuff				3233	34.0	36.0	2.0	<0.003	0.4	49.0	100
												52.1	100
		-dominantly a fragmental facies of the above tuff,										53.6	93
		but here it has a strong chlorite alteration										55.5	97
		giving distinct green colours										58.5	100
		-still has pink feldspars										60.4	70
		-lithic clasts up to 8cm set in a fine brownish										62.8	85
		matrix with pink feldspar lapillis and clay										63.4	90
		specks										64.0	90
												64.6	50
		-continue in variable lapilli and fragmental										-	-

PROJECT: GOLDEN LION HOLE: GL-84-14 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		textures for entire section											
		-distinct lack of veining or alteration associated with mineralization											
40.5	64.6	Dark grey feldspar lapilli to lithic fragmental tuff	2	he		3234	41.0	43.0	2.0	<0.003	0.3		
		-initially dominated by a carbonate-altered pink feldspar lapilli tuff with few lithic fragments set in a very fine dark grey matrix											
		-locally strong carbonate alteration of feldspars											
		-weak to moderate chlorite alteration											
		-disseminated hematite locally gives purple colour to matrix											
		-faint bedding @ 30-40°											
		-continue through same fragmental/lapilli textures, varying grey-green-pale brown											
		-fragments tend to be strongly chloritized, whereas matrix is variable				3235	46.0	48.0	2.0	<0.003	0.3		
		48.0: distinct green layer 10cm thick with layering @ 30-40°				3236	50.0	52.0	2.0	<0.003	0.3		
		61.1: clay gouge				3237	55.0	57.0	2.0	<0.003	0.5		
		64.3: clay gouge				3238	59.0	61.0	2.0	<0.003	0.4		
		-no veins or sulphides throughtout the hole				3239	62.0	64.0	2.0	<0.003	0.3		
		-lost hole at 64.6 due to broken bit and shell in tight hole											

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	56.7 m	HOLE NO. GL-84-15
LOCATION	670S 20W	Collar	220°	-45°	Compass	CORE SIZE	BQ	SHEET NO. 1 of 2
ELEVATION	1824 m	56.7		-47°	ACID	TOTAL RECOVERY	50%	LOGGED BY G. McLaren
LATITUDE	671.6S					STARTED	August 27/84	CLAIM Golden Lion
DEPARTURE	17.7W					COMPLETED	August 29/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	9.1	Casing									9.1	cas
		N.B. very broken core throughout giving poor recovery									12.2	3
		-thicknesses or locations maynot be accurate									12.5	17
											15.2	19
9.1	17.0	Purple feldspar lapilli tuff									17.0	36
		-gravel recovery; no core									18.2	4
											19.5	4
		-pink feldspar crystals set in finer tuffaceous matrix									20.7	54
		-finish in pale green weakly silicified zone with clay gouge									21.6	11
											22.2	42
17.0	40.5	Green feldspar lapilli to lithic fragmental tuff with propylitic alteration									23.2	30
											23.8	17
		-yellow-green clay alteration and carbonate alteration of feldspar crystals									24.7	44
		-carbonate/chlorite alteration of fine tuffaceous matrix									24.9	50
		-fragments of same lapilli tuff usually show stronger chlorite alteration									26.1	46
											28.0	30
		22.2-24.0: sand/clay gouge									29.1	100
		28.3: 1cm quartz carbonate vein @ 40°									31.7	81
											34.7	82
											37.2	53
											28.7	85
											40.5	55
											41.5	55
											42.0	70
					3240	28.0	30.0	2.0	<0.003	0.1	42.4	100
											44.2	30
		29.0-34.0: lithic fragmental textures dominate			3241	32.0	34.0	2.0	<0.003	0.3	46.0	97
											46.6	100

PROJECT: GOLDEN LION HOLE: GL-84-15 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		35.0: thin laminae of fine ashfall tuff, layered @ 45°									48.2	70
											48.5	70
											49.1	30
40.5	46.2	Green lapilli tuff with fine fragments intercalated with gritty, epiclastic sediments			3242	44.0	46.0	2.0	<0.003	0.4	49.7	25
		-sediment sections tend to be dark grey, but clasts still show chlorite alteration									51.2	65
		-carbonate fills interstices between clasts									52.1	85
		46.2: 5mm carbonate fracture filling @ 45°									53.0	40
											54.9	45
											55.8	80
											56.7	80
46.2	46.6	Pink feldspar lapilli tuff layer with fine green chloritic matrix										
46.6	56.7	Intercalated tuffs and sediments as before			3243	51.0	53.0	2.0	<0.003	0.6		
		-dominated by tuffaceous textures in this section										
		53.5: finely bedded sediments @ 40°										
		56.3: bedded sediments @ 45°										
		56.7: End of hole										
		N.B. distinct lack of veining or mineralization-related alteration throughtout hole										

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 117.7 m	HOLE NO. GL-84-16
LOCATION 25S 125E	Collar	220°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 8
ELEVATION 1927 m	61.0 m		-48°	ACID	TOTAL RECOVERY 93%	LOGGED BY G. McLaren
LATITUDE 25.0S	117.7 m		-50°	ACID	STARTED August 29/84	CLAIM Golden Lion
DEPARTURE 125.0E					COMPLETED Sept 1/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	6.1	Casing												6.1	cas
														7.9	47
61.0	54.9	Grey, feldspar-hornblende crystal porphyry with	3	He	M									11.0	100
		argillic or propylitic alteration												14.0	100
														17.0	100
		-feldspar phenocrysts are limonitic orange with												20.1	100
		carbonate alteration near surface, but are green												23.2	100
		from montmorillonite alteration deeper												26.2	97
		-smaller black hornblende crystals												29.3	100
		-set in fine grey matrix with some carbonate												32.3	100
		alteration												35.4	100
		-disseminated hematite 1-5%												38.4	100
		-irregular fracture-breccia zones with carbonate												41.5	100
		matrix, usually less than 5cm long are common												44.5	100
		throughout this section												47.6	100
		-they carry no sulphides or show any wallrock												50.3	105
		alteration												52.8	82
		-carbonates often have strong limonite stain												55.8	100
		-limonitic staining from percolating surface												56.7	65
		water common to 32.0 metres						3244	10.0	12.0	2.0	0.01	0.3	58.2	75
														59.4	60
		14.0: quartz/carbonate fracture-breccia filling	tr	gr				3245	13.0	15.0	2.0	<0.003	1.8	60.4	70
		with traces of very fine grey sulphides												61.3	89
		18.0: as at 14.0						3246	18.0	20.0	2.0	<0.003	0.22	63.1	83
		18.5: quartz/carbonate fracture filling												64.9	83
		19.8: 10cm zone of strong orange limonite stain												66.5	22
		and pink bleaching of host rock, but no visible												68.9	96
		mineralization												71.9	100

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		22.0: two-5mm carbonate veinlets @ 30°						3247	22.0	24.0	2.0	<0.003	0.16	75.0	100
		22.1: clay altered fracture zone @ 30°			S									78.0	63
		25.5: 1cm clay gouge @ 40°												81.1	97
		25.9: 10cm bleached zone with 508% pyrite	7	py										82.3	92
		26.1-26.4: clay altered fracture with weakly bleached selvage containing traces pyrite	tr	py	S			3248	26.0	27.0	1.0	<0.003	0.72	84.1	95
		-thin quartz veinlet @ 30°												87.2	95
		27.7: 1cm grey quartz vein @ 35°						3249	27.0	28.0	1.0	<0.003	0.94	90.2	100
		28.0: strong green montmorillonite alteration of feldspars and carbonate alteration of matrix shows through diminished limonitic stains			S									93.3	95
		31.5: 7cm quartz @ 40° with galena, minor pyrite chalcopyrite fine acanthite, and malachite	4	ga		S		3250	31.0	32.0	1.0	0.12	19.62	96.3	52
			1	py										99.4	102
			1	cpy										102.4	107
			1	ac										105.5	100
		-followed by 10cm siliceous zone with traces of similar mineralization		ma		S								108.5	100
		-pyrite and weakly bleached zone continues to 32.0		py										111.6	100
														114.6	100
		32.0: clay altered fracture @ 30°						3251	32.0	33.0	1.0	<0.003	0.22	117.7	100
		35.7: carbonate veinlet @ 35°						3252	36.0	38.0	1.0	<0.003	0.12	-	-
		39.0: 5mm quartz/carbonate veinlet @ 30°													
		39.1: green clay gouge zone			S			3253	40.0	42.0	2.0	0.006	0.10		
		42.0-42.4: argillic shear zone	tr	py	S			3254	42.0	43.0	1.0	0.054	0.10		
		-first 20cm has pale green clay and broken quartz/carbonate veins with trace disseminated pyrite													
		-followed by sheared and clay altered grey feldspar-hornblende porphyry													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		-shearing generally 0-20°													
		42.4: continue in argillic altered grey feldspar hornblende porphyry													
		42.9-44.5: intense clay gouge and alteration in shear zone				S		3255	43.0	44.0	1.0	0.010	0.09		
		-rock varies from clay gouge to grey/purple, intense altered feldspar-hornblende porphyry													
		44.2: 10cm zone of bleached and layered purple/white clays with some quartz/carbonate fragments													
		44.5: return to grey porphyry with disseminated hematite giving purple colour locally		he				3256	44.0	45.0	1.0	0.012	0.22		
		45.5: sheared and argillic alteration in porphyry shearing @ 20-30°													
		45.8: 20cm zone of bleached clays in shear zone with 5cm quartz/carbonate vein @ 70°	tr	py		S		3257	45.0	47.0	2.0	0.012	0.03		
		-trace pyrite													
		46.7: 2cm sandy gouge zone				S									
		47.5: irregularly fractured limonitic zone with clay gouge in fractures				S									
		48.5: clay altered fractures @ 60°				S									
		50.8-51.1: considerable carbonate in matrix gives white background to rock						3258	50.0	52.0	2.0	0.008	0.23		
		51.3: irregular bleached zone @ 60-70°, no sulphides													
		54.3-54.9: very broken core, clay fractures and gouge, poor recovery				S									
		-includes gouge with quartz veining @ 54.8													
54.9	56.5	Fine grained grey-green andesite dyke						3259	54.5	56.5	2.0	0.006	0.18		
		-pale grey-green rock with small feldspar and													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		hornblende crystals set in very fine crystalline matrix													
		-upper and lower contacts @ 0° show distinct 30-40cm wide chill margins with no phenocrysts													
		-central portion has feldspar and hornblende phenocrysts as well as numerous round carbonate structures resembling amygdales													
		-likely a subvolcanic dyke													
56.5	89.5	Return to purply-grey feldspar hornblende porphyry, but here it is intensely fractured and clay altered				S									
		-some fragments show thin quartz carbonate veins													
		58.5: quartz-carbonate veinlet with bleached selvages @ 65° but no sulphides													
		60.5: first evidence of fragmental textures -fine grained grey fragments of a similar feldspar-hornblende tuff													
		61.3: clay gouge				S		3260	62.0	64.0	2.0	0.032	0.2		
		63.1-63.3: clay gouge and intense clay alteration				S									
		64.5: 5cm zone of fine purple tuff, weakly laminated followed by thin irregular laminae of fine tuff, mixed in with the porphyry													
		-continue in same purple porphyry with grey fragments and some fine tuff laminae indicating the entire porphyry unit may be a massive tuff													
		66.5: clay altered fracture zone in broken core for 30cm				S									

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INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS										RECOVERY	
From	To		X		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	%
		68.8: clay gouge				S		3261	69.0	71.0	2.0	0.010	0.09						
		71.3: 10cm clay altered and fractured rock				S													
		73.6: clay gouge				S		3262	74.0	76.0	2.0	0.012	0.17						
		78.0: 5cm fine tuff layer																	
		78.7: begin increasing pervasive argillic alter-				M													
		ation																	
		78.9: rock becomes very fractured with intense				S													
		argillic alteration and clay gouge at various																	
		angles but with much along the core axis																	
		80.3-81.3: coarse fragmental textures with coarse																	
		crystalline white calcite matrix																	
		-fragments of same tuff																	
		81.3: fine tuff layer with red hematite colour																	
		@ 70°																	
		-grades downwards back into lapilli textured																	
		feldspar-hornblende tuff																	
		81.7: fine red ashfall tuff laminae within the																	
		lapilli tuff, @ 75-80°, showing wavy contacts																	
		resembling sedimentary scour textures																	
		82.3: similar fine tuff layer in broken core																	
		-laminae appears to be @ 70°																	
		-followed by 5mm of clay gouge and fractured core																	
		82.6: broken core of 10cm carbonate/quartz vein																	
		with clay gouge at top, possibly showing a																	
		contact @ 55°																	
		82.7: return to fragmental tuff with white		he															
		carbonate matrix filling																	
		-fragments are either purple or grey varieties																	
		of host tuff																	
		-matrix is tuffaceous crystals filled in by later																	
		carbonate																	
		-disseminated hematite in matrix and fragments																	

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		83.5: 2-3cm of coarse tuffaceous material followed by well defined contact @ 45° in to finer reddish tuff with only a few feldspar crystals -grades down & back into feldspar-hornblende tuff by 83.8													
		84.1: thin clay gouge followed by 8mm carbonate vein @ 70°													
		84.4: sharp contact with well laminated fine crystal tuff; laminae at 70° -grades down in crystal and fragmental tuff again				S		3264	86.0	88.0	2.0	0.008	0.13		
		88.6: another sharp contact with fine tuff @ 85-90°, but here only 6cm wide, followed by distinct fragmental tuff						3265	88.0	89.0	1.0	<0.003	0.16		
		89.2-89.5: pale green bleached zone, 5cm wide, followed by clay gouge and intensely argillically altered rock -green alteration of feldspars -7mm quartz/carbonate vein @ 15°				S		3266	89.0	90.0	1.0	<0.003	0.48		
88.5	92.5	Silicified breccia zone with siliceous and argillic alteration along borders				S									
		-commence with brecciated tuffs with moderately silicified fragments and argillic alteration in matrix -cut by clay altered fractures													
		90.5-90.6: clay gouge and intense argillic alteration in tuff						3267	90.0	91.0	1.0	<0.003	4.68		
		90.6-92.0: intensely silicified breccia -grey-white fractured fragments of quartz set in a very fine red hematitic siliceous matrix -dark grey fragments contain disseminated pyrite, malachite in fractures and possible fine acanthite	5	py ma ac											

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		-light quartz fragments carry only weakly disseminated pyrite and trace malachite													
		91.2: 30cm section of fractured and resilicified quartz vein with disseminated pyrite, malachite in fractures, and very fine acanthite	4	py ma ac		S		3268	91.0	92.0	1.0	<0.003	4.46		
		91.9: 6cm quartz vein as above				S									
		92.0: 1.5cm yellow siliceous gouge zone followed by silicified fragmental that quickly grades into grittly tuff with laminae @ 70° & @ 45°						3269	92.0	93.0	1.0	<0.003	0.50		
92.5	117.7	Grey-purple feldspar-hornblende tuff with lapilli and fragmental textures -overall weak argillic alteration			W										
		92.7: thin red silicified fracture @ 60°													
		93.0-93.3: very fractured and strongly clay altered tuff				S		3270	93.0	94.0	1.0	<0.003	0.18		
		-continue in tuff with green-yellow altered feldspars, black hornblende crystals, set in a fine grey-purple hematitic and carbonate altered matrix													
		94.7: 3cm bleached and clay altered fracture			S			3271	94.0	96.0	2.0	0.014	0.16		
		-tuff passes into lapilli sized phenocrysts with local fragments						3272	100.0	102.0	2.0	<0.003	0.12		
		104.5-104.8: irregularly bleached section but no sulphides													
		105.8: clay fractures @ 10-20° with bleaching						3273	104.0	106.0	2.0	0.006	0.28		
		106.0: becomes coarsely fragmental locally						3274	108.0	110.0	2.0	0.018	0.10		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		with coarse carbonate matrix					3275	112.0	114.0	2.0	0.014	0.13		
		113.8: irregular yellow staining									14	13		
		114.0: yellow staining with irregular black					3276	114.0	116.0	2.0	<0.003	0.12		
		dendritic veinlets (manganese?) in fractured					3277	116.0	117.7	2.0	<0.003	0.16		
		rock												
		117.7: End of hole												

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	140.8 m	HOLE NO.	GL-84-17
LOCATION	25S 125E	Collar		-90°	Compass	CORE SIZE	BQ	SHEET NO.	1 of 9
ELEVATION	1927 m	70.1		-86°	Acid	TOTAL RECOVERY	98%	LOGGED BY	G. McLaren
LATITUDE	25.0S	140.8		-90°	Acid	STARTED	Sept 1/84	CLAIM	Golden Lion
DEPARTURE	125.0E					COMPLETED	Sept 5/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	6.1	Casing												6.1	cas
														7.6	87
6.1	41.6	Grey feldspar-hornblende lapilli porphyry (tuff?)	4	He	W									8.2	83
		-textures vary from crystal lapilli to lithic fragmental												10.0	89
		-overall weak argillic alteration												13.1	100
														13.7	75
		-feldspar phenocrysts vary from white-orange (due to limonitic stain near surface); carbonate altered												15.5	100
														18.6	103
														20.4	100
		-black hornblende laths												23.5	97
		-set in fine grey matrix with clay and carbonate alteration												26.5	110
														29.3	71
		-disseminated, hematite 3-5%												29.9	83
		-irregular fractures and auto-breccia textures with white carbonate fracture/matrix filling found throughout section												32.6	96
														35.7	94
														38.7	103
														40.2	93
		-isolated fragments of a grey, fine grained material of black hornblende needles densely set in a fine grey matrix												42.1	89
														45.1	83
														47.9	100
		7.6: quartz-carbonate vein @ 30°												50.9	100
		22.0: pink to brown (Fe-) carbonate vein in broken core						3278	12.0	14.0	2.0	<0.003	0.84	53.9	103
														57.0	95
		26.4-26.7: well fractured and clay altered core				S		3279	16.0	18.0	2.0	<0.003	0.10	60.0	100
		27.4: iron-carbonate (siderite)						3280	22.0	24.0	2.0	0.006	0.12	63.1	65
		-calcite veinlet/breccia filling												66.1	92
		28.1-29.3: fault zone: fractured and clay altered				S		3281	26.0	28.0	2.0	0.006	0.34	69.2	100
														72.2	95

PROJECT: GOLDEN LION HOLE: GL-84-17 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		broken core												74.4	100
		-poor recovery												75.6	90
		29.6-29.9: broken core, as above												78.6	95
		32.0: begin to see green montmorillonite alteration			M			3282	32.0	34.0	2.0	<0.003	0.14	78.9	100
		of feldspars, likely because surface limonitic stain												81.4	100
		is diminishing												84.4	90
		36.0: possible fragmental textures composed of												87.5	97
		same feldspar-hornblende porphyry, slightly altered												90.5	92
		36.8: distinct layering of crystal tuffs and												93.6	100
		ash fall tuffs @ 40°, with carbonate matrix in												96.6	90
		crystal tuffs.												99.1	105
		37.1-38.3: intense yellow-orange (limonite) stain						3283	37.0	39.0	2.0	<0.003	0.08	102.1	95
		of carbonate altered feldspar phenocrysts and of												102.7	105
		carbonates in matrix												105.8	95
		39.4-40.2: broken core, clay in fractures				S								108.8	100
		40.2-41.6: coarse fragmental tuff with fragments						3284	40.5	41.5	1.0	<0.003	0.04	111.9	95
		of same purply-grey porphyry (tuff)												114.6	100
		-grades down into finer crystal tuffs, weakly												116.4	92
		laminated @ 40°												119.5	100
														121.0	100
41.6	42.4	Quartz-veined shear zone						3285	41.5	42.5	1.0	<0.003	0.94	124.0	100
														127.1	92
		41.6-41.8: fine tuffs are strongly bleached and	3	py	W									130.2	98
		pyritic												133.2	95
		41.9-42.1: 10cm quartz vein with hematite, trace	2	he	S									136.3	105
		acanthite	tr	ac										139.3	102
		-passes into stronly silicified breccia with												140.8	100
		quartz veining												-	-
		42.1-42.4: clay altered shear zone, shearing @				S									
		30-45°													
42.4	60.5	Grey feldspar-hornblende tuff, with lapilli-crystal			W			3286	42.5	43.5	1.0	<0.003	0.03		

PROJECT: GOLDEN LION HOLE: GL-84-17 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		to fragmental textures													
		-green montmorillonite alteration in feldspars black hornblende crystals, set in fine grey matrix													
		-green alteration often stronger in fragments													
		-weak, overall argillic alteration, stronger in fractures													
		43.0: clay gouge			S										
		45.4-45.7: strong clay alteration and shearing in tuffs			S										
		-shears @ 20-30°													
		45.7-47.0: sharp contact with very fine grained pale green crystalline rock with strong clay alteration			S			3288	45.0	47.0	2.0	<0.003	0.06		
		-possibly a fine, altered dyke, similar to fine borders of dyke in 84-16													
		-lower contact in very broken core, appears to be @ 20°													
		47.0: return to grey-purple feldspar-hornblende tuff													
		-carbonate matrix													
		-local fragmental textures													
		47.8: 5mm clay gouge						3289	50.0	52.0	2.0	<0.003	0.01		
		49.8: clay fractures and carbonate matrix in auto-breccia section			S			3290	54.0	56.0	2.0	<0.003	0.01		
		-continue in fragmental-lapilli textured tuff						3291	57.5	59.5	2.0	<0.003	0.04		
		60.3: start strong clay alteration in fragmental tuff			S			3292	59.5	60.5	1.0	0.003	1.28		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
60.5	66.0	Silicified breccia zone cut by clay altered shears				S		3293	60.5	61.5	1.0	0.006	11.40		
		60.5-62.5: grey-green strongly silicified fragments, containing disseminated pyrite hematite, very fine acanthite, and malachite in fractures, set in a matrix that varies from red hematitic siliceous to completely clay altered.		py	S	S									
				he				3294	61.5	62.5	1.0	0.008	12.50		
				ac											
				ma											
		62.5-63.5: begin strong red silicified and hematitic matrix		he		S		3295	62.5	63.5	1.0	0.003	3.27		
				py											
		-after 63.0 core is very broken, leading into very poor recovery of a clay altered tuffaceous host		ma											
					S										
		63.5-64.5: siliceous breccia with hard,red matrix		py		S		3296	63.5	64.5	1.0	0.010	7.29		
				he											
		-quartz fragments are mineralized as in 60.5		ac											
				ma											
		64.5-65.5: broken core in mixed siliceous hematitic breccia and altered fragmental tuff		he		S		3297	64.5	65.5	1.0	0.003	5.11		
				py											
		-tuffs are intensely clay altered in fractures but otherwise are moderately silicified			S										
		65.5-66.0: silicified breccia as at 63.5		py		S		3298	65.5	66.5	1.0	0.004	5.98		
				he											
				ac											
				ma											
66.0	116.0	Fragmental-lapilli feldspar-hornblende tuffs, as above			W										

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		-auto-breccia and fragmental sections have white carbonate matrix												
		-some fractures coated with rusty, ochre-clay												
		67.3-67.5: bleached and clay altered fracture zone		S			3299	66.5	68.5	2.0	<0.003	0.08		
		-continue in clay altered fractures to 68.0												
		72.4: thin clay gouge in fractures at 65°		S			3300	72.0	74.0	2.0	<0.003	0.02		
		72.5: clay gouge												
		77.3: 5mm carbonate/quartz veinlet @ 35°					3301	76.0	78.0	2.0	<0.003	0.04		
		78.6-78.9: clay gouge zones		S										
		-continue in coarse fragmental with lapilli tuff matrix												
		-no laminated ash layers												
		84.8: carbonate veinlet/fracture filling @ 60°					3302	80.0	82.0	2.0	<0.003	0.03		
		85.2: clay altered fractures		S			3303	82.0	84.0	2.0	<0.003	0.06		
		87.0: clay altered shear @ 65° followed by broken core		S			3304	86.0	88.0	2.0	<0.003	0.10		
		87.4: 20cm clay gouge, followed by broken core to 88.4		S										
		91.6-91.7: clay fractures and gouge		S			3305	90.0	92.0	2.0	<0.003	0.04		
		94.2: 5mm quartz/carbonate veinlet @ 60°					3306	94.0	96.0	2.0	<0.003	0.08		
		-underlying breccia matrix is bleached and fragments show strong green montmorillonite alteration for 10-15cm: no sulphides												
		96.4: weak brecciation/fracturing with carbonate matrix, @ 45°												
		96.6-96.7: clay alteration in fractures		S										
		97.0: 5-10cm clay gouge		S			3307	97.0	98.0	1.0	<0.003	0.12		
		97.4: brecciation and fracturing filled by carbonate matrix												

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		97.7-97.8: good breccia zone with carbonate matrix mainly, but also some brown stained siliceous matrix material													
		97.9-98.6: thin quartz veinlet system running along core @ 90°	tr	py		S		3308	98.0	99.0	1.0	<0.003	0.94		
		-host rock is fractured with brown siliceous and carbonate matrix													
		-trace pyrite													
		98.8: thin quartz veinlet @ 80°	tr	py											
		-trace pyrite, malachite	tr	ma											
		-continue in fragmental tuff with montmorillonite alteration of fragments and a red hematitic matrix						3309	99.0	100.0	1.0	<0.003	0.02		
		100.4-100.7: clay altered fracture zone @ 10°			M	W		3310	100.0	101.0	1.0	0.003	0.56		
		-carbonate veining across core above and below fracture zone													
		-distinct green montmorillonite alteration of feldspars and fragments, and weak silicification to 104.0													
		-pyrite varies from trace to dense accumulations in some fragments		py				3311	101.0	102.0	1.0	<0.003	0.20		
		102.6-102.7: clay gouge				S		3312	102.0	103.0	1.0	<0.003	0.20		
		107.4-107.6: fractures and brecciation with carbonate matrix						3313	103.0	105.0	2.0	<0.003	0.04		
		-continue in ragmental-lapilli tuff, locally with white carbonate matrix						3314	107.0	109.0	2.0	<0.003	0.01		
								3315	111.0	113.0	2.0	<0.003	0.12		
		114.4: clay altered fractures @ 10°				S		3316	113.0	115.0	2.0	0.003	0.01		
		114.8: 5mm quartz/carbonate vein @ 60°						3317	115.0	116.0	1.0	<0.003	0.06		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
116.0	117.0	Siliceous breccia zone followed by siliceous				S									
		alteration of tuff						3318	116.0	117.0	1.0	0.020	0.24		
		116.0-116.4: grey-white quartz fragments set in		py		S									
		a fine red siliceous matrix													
		-minor disseminated pyrite N.B. core is fractured													
		and ground													
		-recovery less than 50% in this section													
		-breccia appears very similar to that intersected													
		in GL-84-16													
		-finish in clay gouge													
		116.4-117.0: bleached, weakly silicified tuff	1	py		S									
		-disseminated pyrite 1-2%													
		-green montmorillonite alteration of feldspar													
		-finish in well fractured and clay altered rock													
117.0	126.0	Return to fragmental-lapilli tuff with green			M			3319	117.0	118.0	1.0	0.010	0.05		
		montmorillonite alteration in fragments and													
		feldspars													
		-clay in fractures													
		117.8: clay gouge zone			S										
		118.8: clay gouge and fractures followed by 30cm			S			3320	118.0	120.0	2.0	<0.003	0.96		
		of lapilli tuff that grades down into lapilli													
		fragmental tuffs as before													
		120.7: begin weakly bleached zone with clay	tr	py				3321	120.0	122.0	2.0	<0.003	0.10		
		fractures and minor disseminated pyrite													
		121.3: fragmental now includes some black, very													
		fine grained, weakly laminated fragments													
		-this rock quickly grades into a well fractured													
		and brecciated tuff with some black fragments and													
		matrix as well as green altered lapilli tuff													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		-clay alteration in fractures													
		122.4-122.5: clay altered fractures followed by bleached zone with trace pyrite	tr	py				3322	122.0	124.0	2.0	0.005	0.02		
		123.2-123.3: breccia now includes black fragments plus brown fragments of fine tuff, set in coarse crystalline carbonate matrix													
		123.3-123.5: shear zone, intense clay alteration and minor quartz/carbonate veining				S									
		-shearing @ 35-45°													
		123.5: well fractured and clay altered				S									
		123.7: grades into tuff/breccia containing angular fragments of brown fine-medium grained crystal tuff? (not seen previously) containing small grey feldspar crystals set in a gritty grey-brown matrix													
		-breccia matrix is fine grained grey tuff from previous sections													
		-considerable irregular quartz carbonate veining and fractures with clay alteration													
		125.5-125.9: strong fractures and clay alteration/ gouge				S									
126.0	140.8	Fine-medium grained, brown, massive andesitic flow(?)													
		-small feldspar crystals with weak-moderate carbonate alteration, densely set in a very fine grained matrix						3323	126.0	128.0	2.0	0.004	0.01		
		-cut by many irregular quartz/carbonate veinlets aoften with weak chlorite alteration adjacent													
		-well fractured to 129.4													
		127.9: strong shear/fractures @ 60° with clay alteration				S									
		-quartz-carbonate veinlets													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		131.7: quartz/carbonate veinlets 1cm wide @ 70°						3324	130.0	132.0	2.0	<0.003	0.01		
		132.8-132.9: quartz/carbonate vein/breccia @ 40-50°													
		133.5: 2cm quartz/carbonate vein/breccia @ 50°													
		135.3: 2cm quartz vein with very fine grey	tr	gr				3325	135.0	136.0	1.0	<0.003	0.40		
		sulphide trace pyrite @ 55°	tr	py											
		136.1: 2cm quartz vein @ 65° with trace pyrite	tr	py				3326	136.0	137.0	1.0	<0.003	1.54		
		hematite	tr	he											
		136.5: 7mm quartz vein @ 60° with chalcopyrite,	1	cpy											
		pyrite, galena	1	py											
			1	ga											
		-host rock is now medium grained with green feldspar phenocrysts and brown-black ma.ics set in mottled fine grained grey-brown matrix													
		137.3-137.6: moderate brecciation with quartz	1	cpy				3327	137.0	138.0	1.0	<0.003	0.16		
		matrix carrying minor chalcopyrite, trace	tr	py											
		pyrite, hematite	tr	he											
		138.0: 3mm quartz/carbonate veinlet @ 45°						3328	138.0	139.0	1.0	<0.003	0.46		
		138.3: 5mm quartz/carbonate veinlets @ 65-70°													
		138.6: 5mm quartz/carbonate veinlet @ 50°	1	cpy											
		carries minor chalcopyrite, galena, and traces	1	ga				3329	139.0	140.8	1.8	<0.003	0.01		
		pyrite	tr	py											
		-cross cutting quartz/carbonate veinlet @ 75°, without sulphides													
		140.8: End of hole.													

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 139.0 m	HOLE NO. GL-84-18
LOCATION	10S 140E	Collar	040°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 8
ELEVATION	1929 m	62.8		-45°	Acid	TOTAL RECOVERY 95%	LOGGED BY G. McLaren
LATITUDE	11.7S	139.0		-47°	Acid	STARTED Sept. 15/84	CLAIM Golden Lion
DEPARTURE	136.9E					COMPLETED Sept. 17/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
0	6.1	Casing												6.1	cas
														7.3	100
6.1	96.3	Grey feldspar - hornblende porphyry	4	he										7.9	100
		-feldspar crystals up to 8mm with weak carbonate alteration												11.0	96
		-hornblende laths												14.0	96
		-all set in a fine grained matrix with carbonate alteration												17.1	98
		-disseminated hematite 2-5%												20.1	98
		-auto breccia textures and fractures with carbonate fillings												22.2	103
		-pervasive orange limonitic stains, particularly of feldspars, carbonates and matrix, from supergene solutions												23.1	93
														26.1	88
														29.3	105
														32.3	93
														35.3	100
								3330	8.0	10.0	2.0	<0.003	0.01	38.4	100
														41.5	100
		9.5-11.0: increased carbonate fracture fillings	tr	py				3331	10.0	11.0	1.0	<0.003	0.04	44.5	100
		-some thin (.5-1cm) quartz veins with later carbonates in centre of veins, red limonitic selvages and bleached host rocks nearby												47.6	84
		-trace disseminated pyrite												50.6	70
														53.6	97
														56.7	90
														59.7	87
		11.0: fractures with clay alteration @ 60°			M									62.8	100
		-weakly siliceous												65.8	103
														68.8	98
														71.9	100
		11.5: Mineralized grey quartz veinlet within a		ac		S		3332	11.0	12.0	1.0	0.20	16.87	75.0	97
		4cm fracture zone @ 60°		Ag										75.9	100
		-fine grained acanthite in quartz, native silver minor pyrite, trace malachite	tr	py ma										78.7	89

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
														79.6	89
		-4cm x 4cm fragment of dark grey siliceous vein material offset by crosscutting fracture						3333	12.0	13.0	1.0	<0.003	0.36	81.1	107
														84.1	100
								3334	13.0	15.0	2.0	0.003	0.01	87.2	90
														90.2	97
		17.0: clay altered fractures @ 45°						3335	17.0	19.0	2.0	<0.003	0.02	93.3	100
		21.0-21.4: brecciation and fractures with carbonate/quartz in filling at irregular angles between 20-45°						3336	21.0	23.0	2.0	<0.003	0.01	96.3	107
														99.4	105
		23.1: 10cm auto breccia with carbonate matrix												102.4	100
		23.7: supergene staining becomes irregular past here												104.9	100
														107.9	100
		-unstained rock shows grey matrix, with green montmorillonite in feldspars, and hornblende laths												110.0	83
														111.6	95
		-disseminated hematite up to 5% stains matrix red locally		he				3337	25.0	27.0	2.0	<0.003	0.01	114.6	103
														117.7	100
		30.5-31.5: irregular bleaching gives false breccia textures of unbleached fragmental shapes						3338	30.0	32.0	2.0	0.006	0.14	120.7	100
														123.7	100
		-some auto-brecciation with carbonate matrix						3339	35.0	37.0	2.0	<0.003	0.01	126.8	102
		40.2-40.3: thin carbonate veinlets @ 60° with red hematitic selvages		he										129.8	100
								3340	39.0	41.0	2.0	<0.003	0.04	132.9	100
														135.9	95
		44.1: thin veinlet with 1cm bleached, limonitic selvages @ 20°						3341	43.0	45.0	2.0	0.003	0.02	139.0	100
		-manganese dendrites adjacent to fractures common in next section													
		47.4-47.6: clay alteration and gouge; poor recovery			S										

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		48.0-49.0: broken core, poor recovery, but contains weak silicification				W		3342	48.0	50.0	2.0	0.003	0.02		
		50.4: thin quartz veinlets @ 60° with hematite-red rims and limonitic selvages		he											
		50.8: fractures with hematite rims, as above		he											
		51.0: fractures and clay alteration			S										
		51.4: fractures and bleaching with manganese dentrites													
		-continue in feldspar, hornblende porphyry with green-white montmorillonite-carbonate alteration of feldspars in a pale brown matrix (considerable limonite stain)						3343	52.0	54.0	2.0	<0.003	0.01		
		-hematite coated fractures with limonite staining as selvages or pervasive, depending upon fracture intensity		he				3344	56.0	58.0	2.0	0.003	0.01		
		-manganese dendrites common along fractures													
		-thin fractures/veinlets @ 90°													
		59.7-59.9: bleached rock finishes in strong clay alteration and gouge			S			3345	59.0	60.0	1.0	0.003	0.01		
		-followed by dark grey, strongly silicified tuff well fractured and healed by silica				S									
		-disseminated hematite, minor pyrite		he, py											
		-brown clay gouge in middle of silicified section													
		-basal contact shows hematite staining/veining @ 45°, followed by bleached, weakly pyritic rock		py											

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	RECOVERY RUN	RECOVERY %
		60.0: continue in grey, feldspar hornblende porphyry, well fractured with irregular hematite-limonite staining and clay alteration			M			3346	60.0	62.0	2.0	<0.003	0.01		
		-fractures @ 45° & 90°													
		-fractures produce thin breccia zones with limonite matrix													
		62.8: brown clay gouge followed by 90° (along core) limonitic fracture containing carbonate veining and clay alteration extending to 63.8.			S			3347	62.0	64.0	2.0	0003	0.01		
		64.9: clay gouge			S			3348	66.0	68.0	2.0	<0003	0.01		
		69.0: 5-8cm banded clay shear zone @ 60°			S										
		69.1: clay shear, followed by green chloritic alteration in porphyry with many auto-breccia, sections, filled by carbonates						3349	70.0	72.0	2.0	<0003	0.02		
		-green chloritic alteration and brecciation continues to 78.0													
		75.0: clay gouge			S			3350	74.0	76.0	2.0	<0003	0.02		
		77.0: quartz/carbonate/hematite veinlet and fracture fillings @ 80°		be				3351	76.0	78.0	2.0	<0003	0.01		
		78.0: clay gouge zones			S										
		78.7: pass through thin clay gouge and into angular lithic fragmental tuff of same feldspar-hornblende porphyry						3352	78.0	80.0	2.0	<0.003	0.01		
		-strong chlorite-montmorillonite-carbonate alteration, as before													
		-hematite/limonite fractures and stains													
		-layering, where visible is @ 60-70°													
		-some fine ashfall sections													
		-matrix of fragmental sections tends to be crystal tuffs						3353	82.0	84.0	2.0	<0.003	0.04		
		-green montmorillonite-chlorite alteration is quite irregular varying with fracture intensity													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		86.4)			S			3354	86.0	88.0	2.0	0.10	0.01						
		87.2) clay gouge zones			S														
		87.6-87.9)			S			3355	88.0	89.0	1.0	<0.003	0.01						
		-layered fragments @ 30°																	
		89.0: strongly silicified fragments visible, no sulphides				S		3356	89.0	90.0	1.0	0.010	0.01						
		89.7: 4cm layer of laminated ash fall tuff: laminae @ 60°	7	Py		W													
		-upper contact has much pyrite along it and surrounding rocks, particularly the ash fall, contains considerable fine grained pyrite (5-8%)																	
		-followed by green altered crystal tuff with minor pyrite			S														
		89.9: return to fine laminated ash with very fine pyrite																	
		-laminae @ 85°, cutoff by 45° fractures																	
		-continue in well fractured, green altered lapilli tuff with disseminated pyrite		py	S			3357	90.0	91.0	1.0	<0.003	0.01						
		-fractures and clay alteration																	
		-pale grey-green bleaching and weak-moderate silicification throughout						3358	91.0	92.0	1.0	0.006	0.01						
		92.8: very fine sphalerite, galena (?) & trace chalcopyrite in veinlets and as sparse dis-		sphal ga?		M		3359	92.0	93.0	1.0	0.004	0.17	0.07	0.20				
		seminations		cpy				3360	93.0	94.0	1.0	0.006	0.28	0.08	0.29				
		-weak-moderate silicification																	

PROJECT: GOLDEN LION HOLE: GL-84-18 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		94.5-95.3: well fractured and strongly altered		py	S			3361	94.0	95.0	1.0	0.004	0.13	0.08	0.25		
		tuffs		sphal													
		-carbonate and quartz veining with sphalerite,		ga													
		pyrite and galena specks															
		-good silicification and quartz vein carrying				S											
		sphalerite and fine black sulphide @ 95°															
		95.5-96.3: intense silicification				S		3362	95.0	96.0	1.0	<0.003	0.15	0.05	0.07		
		-strongly silicified black fragments in white rock															
		N.B. fracturing, clay alteration and silicifica-															
		tion have all been increasing from 90.0 as the															
		fault zone is approached: exact contacts are not															
		definite.															
96.3	111.0	Fault zone containing strongly sheared clay			S												
		altered bleached and silicified rocks.															
		-zone commences with white pyritic rocks, followed															
		by intermittent zones of sheared clay altered															
		tuffs and white, bleached tuffs															
		96.3-101.3: white to pale grey fine grained rock	7		S	@		3363	96.0	97.0	1.0	<0.003	0.01	<0.01	0.01		
		that appears to have been silicified and later						3364	97.0	98.0	1.0	<0.003	0.01	<0.01	0.04		
		to have been sheared and intensely clay latered						3365	98.0	99.0	1.0	<0.003	0.01	<0.01	0.01		
		-disseminated pyrite 5 - 10% throughout, but															
		with broken veinlets of over 50% pyrite						3366	99.0	100.0	1.0	<0.003	0.01	<0.01	<0.01		
		@ 45 - 50° (at 99.3, 99.5, 100.0)						3367	100.0	101.0	1.0	<0.003	0.02	<0.01	<0.01		
		101.3-102.2: Grey-purple fragmental tuff with			S			3368	101.0	102.0	1.0	<0.003	0.10	<0.01	0.01		
		intense argillic alteration															
		-feldspars completely clay altered															
		-mafics hematite stained and altered															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-fine grained purple gritty matrix with clay alteration and disseminated hematite															
		102.2-102-7: white-pale green bleached, clay altered tuff with weakly disseminated pyrite, as at 96-3	2	py		S		3369	102.0	103.0	1.0	<0.003	0.24	<0.01	<0.01		
		102.27-104.4: grey-purple tuff with intense argillic alteration				S		3370	103.0	104.0	1.0	<0.003	0.16	<0.01	0.02		
		104.4-105.0: white-pale grey bleached, clay altered tuffs, minor pyrite	1	py		S		3371	104.0	105.0	1.0	<0.003	0.18	<0.01	<0.01		
		105.0-105.3: reddish hematite stained tuff with intense clay alteration				S		3372	105.0	106.0	1.0	<0.003	0.06	<0.01	0.01		
		105.3-105.7: white bleached clay altered tuff with weak silicification				S	W										
		105.7-107.3: grades into grey strongly clay altered tuff again				S		3373	106.0	107.0	1.0	0.004	0.34	<0.01	0.01		
		107.3-107.8: dark red, hematitic, moderately strongly silicified tuff					S	3374	107.0	108.0	1.0	<0.003	0.14	<0.01	<0.01		
		107.8-111.0: hematitic tuff becomes more clay altered, less red and grades into grey, strongly clay altered tuff as before				S		3375	108.0	109.0	1.0	<0.003	0.12	<0.01	<0.01		
								3376	109.0	110.0	1.0	<0.003	0.12	<0.01	<0.01		
		-continue with irregular fracturing, bleaching and local moderate silicification				M		3377	110.0	111.0	1.0	<0.003	0.06	<0.01	<0.01		
111.0	139.0	Return to weak-moderate clay altered, feldspar crystal-lithic fragmental tuff				S		3378	111.0	113.0	2.0	<0.003	0.06	<0.01	0.02		
		-feldspars often stained bright pink by hem tite															
		-matrix is fine grained and has considerable chlorite alteration when green, or clay alteration when dark grey															
		-clay alteration varies with fracture intensity															

PROJECT: GOLDEN LION HOLE: GL-84-18 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 8

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		114.0: 1cm hematite filled fracture @ 45°						3379	115.0	117.0	2.0	<0.003	0.16	<0.01	0.02				
		117.7: 1-3 cm red hematitic clay gouge			S														
		120.1: clay altered fracture @ 40°			S			3380	120.0	122.0	2.0	<0.003	0.12	<0.01	0.01				
		121.4: clay altered fracture @ 45°			S														
		124.2: 5mm quartz vein @ 40°						3381	124.0	126.0	2.0	<0.003	0.22	<0.01	0.01				
		124.5-124.9: clay shears @ 45°			S														
		127.5: 5mm quartz vein @ 40°						3382	128.0	130.0	2.0	<0.003	0.20	<0.01	0.01				
		129.9: banded clay shear @ 70°			S														
		132.1: quartz veining @ 65°						3383	132.0	134.0	2.0	0.004	0.18	<0.01	0.01				
		132.7: quartz veining, up to 2cm wide stained pink @ 60°																	
		133.3: clay altered fracture @ 45°			S														
		134.7-135.2: quartz veining @ 80-90°																	
		135.4: clay shear @ 60°, cut by quartz vein @ 0°			S			3384	136.0	138.0	2.0	<0.003	0.10	<0.01	0.01				
		137.0-139.0: irregular bleaching to pale pink -quartz veins @ 0-30°						3385	138.0	139.0	1.0	<0.003	0.14	<0.01	0.01				
		138.6-138.9: quartz veining and shearing @ 30°																	
		139.0: End of Hole																	

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 242.0 m	HOLE NO. GL-84-19
LOCATION 500N 200E	Collar	040°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 18
ELEVATION 1792.0 m	111.6		-45°	Acid	TOTAL RECOVERY 94%	LOGGED BY G. McLaren
LATITUDE	184.7		-45°	Acid	STARTED Sept. 10/84	CLAIM Golden Lion 2
DEPARTURE	239.6		-47°	Acid	COMPLETED Sept. 15/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
0	6.1	casing																6.1	cas
																		7.9	8
		-very broken core and poor recovery to 15.0																10.1	8
		-continue with broken core and variable recovery to 27.0																11.6	10
		-extend casing to 15.2																12.2	50
																		12.8	30
6.1	96.0	Brown feldspar-pyroxene prophyry with variable potassic/siliceous alteration, and/or propylitic alteration				S	S											14.0	40
																		15.5	70
																		17.0	80
																		17.4	65
		-crowded feldspar phenocrysts and fewer pyroxene octahedra set in a fine grained brown matrix																18.0	55
		-much of rock shows moderate-strong pink potassic alteration and silicification																18.6	90
		-strongest alteration results in almost complete destruction of textures																18.9	50
		-weakest alteration appears to be overprinting a chlorite-carbonate alteration assemblage																19.5	70
																		20.1	80
		-microfractures are common and can contain clay or be healed with silica																22.9	90
		-quartz and quartz carbonate veining common at various angles, usually forming a weak-strong stockwork																23.8	90
		-disseminated pyrite is common, varying from trace in some chloritic sections to 12% in some siliceous sections		py														25.6	95
																		26.8	65
																		28.4	90
																		31.1	92
																		32.9	95
																		34.4	95
																		35.4	72
																		37.8	107
																		40.2	91
																		42.7	104
																		45.7	97

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-disseminated hematite common in chlorite or weakly siliceous sections up to 5%		he														46.6	67
																		49.7	100
																		50.6	106
		12.0: clay gouge				S												53.6	100
		14.4: clay gouge				S		3386	14.0	16.0	2.0	0.006	0.14	0.08	0.05			56.7	97
		14.5: minor hematite and pyrite in quartz vein		he														59.7	100
		19.8-25.5: numerous fine irregular quartz/carbonate veinlets and breccia fillings																62.8	100
		-fine fracture stockwork, often at 90°																65.8	107
		20.6: purple amethyst filling in fracture						3387	20.0	22.0	2.0	0.006	0.17	0.01	0.04			68.9	100
																		71.9	103
																		75.0	97
		22.1: minor hematite-pyrite in quartz veinlets		py		M	M	3388	22.0	24.0	2.0	0.006	0.37	0.08	0.05			78.0	100
		with moderate-strong potassic/siliceous alteration		he														81.1	100
		24.0-26.0: strong potassic/siliceous alteration				S	S	3389	24.0	26.0	2.0	0.006	0.19	<0.01	0.04			83.8	104
		cut by fractures with clay alteration																86.9	100
																		89.9	103
		-continue in varying alteration																93.0	97
		-weaker potassic/siliceous alteration shows carbonate and chlorite alteration				W	W											96.0	100
																		99.1	100
																		102.4	94
		28.0: begin a pattern of fine fractures and thin veinlets forming moderate to strong stockwork						3390	28.0	30.0	2.0	0.008	0.17	0.01	0.04			105.5	100
		textures																108.5	100
		-irregularly distributed throught with a maximum						3391	32.0	34.0	2.0	0.004	0.17	<0.01	0.04			111.6	100
		of 1.0-1.5 metre sections without stockwork						3392	36.0	38.0	2.0	0.006	0.13	<0.01	0.03			114.8	103
																		117.7	100
		28.0-38.0: moderate-strong potassic/siliceous				S	S											120.7	95
		alteration																123.8	100
		-massive rock cut by clay altered fractures																126.8	103
		@ 32.9, 34.1																129.8	97
																		132.9	100
																		135.9	100
																		139.0	97

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		28.4: carbonate fracture filling, trace chal-	tr	cpy														142.0	100
		copyrite																145.1	97
		-veining tends to be irregular and discontinuous																148.1	100
		-many very fine fractures																151.2	100
																		154.2	100
		38.0-39.0: intense potassic/siliceous alterations	4	py		S	S	3393	38.0	39.0	1.0	0.004	0.14	0.01	0.04			157.3	100
		with disseminated pyrite 2-5%																160.3	100
		-thin grey quartz fracture fillings @ 80°																163.4	94
		39.5-39.7: 8cm wide zone of intense potassic/		py		S	S	3394	39.0	40.0	1.0	0.008	0.35	0.01	0.05			166.4	100
		siliceous alteration with disseminated pyrite @ 80°		ga														169.5	100
		-edges of alteration defined by fractures @ 80°		ac?														172.5	100
		containing quartz veining carrying pyrite, and																175.6	100
		fine grained galena, acanthite(?)																178.6	100
		-good stockwork for 25m above																181.7	95
																		184.7	98
		40.8: 1cm green siliceous vein with fine white						3395	40.0	41.0	1.0	0.008	0.25	0.01	0.04			187.8	100
		bladed barite (?) crystals @ 25°																190.8	97
		40.8-41.0: intense potassic/siliceous alteration	8	py		S	S											193.9	95
		and bleaching with 8% pyrite as disseminations and																196.9	100
		in thin quartz veinlets																100.0	98
		-also very fine grey suphides in thin veinlets																203.0	97
		-pyrite fractures @ 70-80° continue to 42.0																206.0	100
		41.7: clay fractures @ 20-30°						3396	41.0	42.0	1.0	0.004	0.14	0.01	0.03			208.5	75
																		210.9	95
		42.3-42.4: thin grey sulphide veinlet @ 90° on		sphal				3397	42.0	43.0	1.0	0.004	0.32	0.04	0.08			212.1	100
		edge of core contains sphalerite, galena		ga														215.2	93
		43.0-45.0: good stockwork of quartz and quartz/		sphal				3398	43.0	44.0	1.0	0.006	0.14	0.06	0.04			218.2	103
		carbonate veinlets cut by some clay fractures		ga py				3399	44.0	45.0	1.0	0.010	0.31	0.01	0.04			221.3	97
		-contains spots of sphalerite and galena																224.3	100
		-pyrite in veinlets and as disseminations																227.4	97
																		230.4	103
																		233.5	100

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		44.2-44.4: fracture/shear zones with green chlor-														236.5	103
		itic alteration @ 30-40°														239.6	97
		44.9: 10cm shear zone with chloritic alteration														242.0	100
		@ 35°															
		45.5-46.1: good quartz stockwork and silicifica-		sphal		S		3400	45.0	46.0	1.0	0.012	0.11	0.01	0.05		
		tion		ga													
		-spots of sphalerite, galena, acanthite, pyrite		ac													
		in veinlets		py													
		-disseminated pyrite in host															
		46.7-46.9: green chloritic/clay alteration			M			3501	46.0	47.0	1.0	0.004	0.03	0.01	0.05		
		46.9-47.5: return to strong potassic/siliceous				S	S	3502	47.0	48.0	1.0	0.018	0.12	0.01	0.04		
		alteration and quartz vein stockwork															
		48.4-48.9: quartz veinlets/fractures @ 80°						3503	48.0	49.0	1.0	0.008	0.15	<0.01	0.05		
		50.1: start strong stockwork with intense				S	S	3504	49.0	50.0	1.0	0.006	0.11	<0.01	0.05		
		potassic/siliceous alteration															
		50.4-50.7: quartz-carbonate vein with considerable		sphal		S		3505	50.0	51.0	1.0	0.010	32.49	0.07	0.19		
		dark grey sections due to very fine grained sul-		ga?													
		phides - sphalerite, galena		ac													
		acanthite		py													
		-pyrite trace chalcopyrite in quartz		cpy													
		-green chloritic alteration associated with grey															
		mineralization and infractures															
		50.7: 8cm section of argillically altered por-			M												
		phyry; green feldspars in a purple matrix															
		50.8: pink potassic/siliceous alteration with		he		S	S										
		pyrite and grey quartz stringers carrying hematite		ga													
		and some galena, acanthite		ac													

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 5

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		-moderate to strong fine stockwork																	
		51.6-15.8: red hematitic quartz vein with 10-12% disseminated pyrite and fine grained grey sulphites @ 90°						3506	51.0	52.0	1.0	0.008	0.29	0.18	0.75				
		-irregular fractures and clay																	
		52.1: thin grey sulphide veinlet @60°						3507	52.0	53.0	1.0	0.010	0.29	1.16	1.86				
		-continue in stockwork of broken veinlets carrying sphalerite-galena-pyrite-acanthite in potassic/ siliceous alteration		sphal ga ac py		S	S												
		-some clay in fractures																	
		52.8-53.0: strong veining with massive sphalerite galena-pyrite		sphal ga															
		-acanthite in quartz/carbonate veinlets		ac															
		53.2-53.3: similar veining to 52.8, controlled at end by 35° veinlet		sphal ga				3508	53.0	54.0	1.0	0.008	0.25	0.52	1.15				
		-other veining @ 80-90°, cut by younger veining @ 0-10°		py															
		-continue with silicification/veining and spotty sphalerite/galena		sphal ga		S													
		-disseminated pyrite through host		py															
		54.1: massive quartzose section 5-10 cm wide with only minor sulphides						3509	54.0	55.0	1.0	0.008	0.31	0.36	0.27				
		54.3: silicification and veining with 1cm clay fracture @ 30-40°, all with minor sulphides																	

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 6

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		54.5: continue in stockwork and potassic/siliceous alteration but irregular sections are of purple hematitic and argillically altered porphyry															
		55.2: quartz vein/clay fracture with sphalerite, galena @ 65°		sphal ga				3510	55.0	56.0	1.0	0.004	0.10	0.73	0.24		
		-continue stockwork and variable alteration with spotty mineralization															
		55.7: 4-5 cm quartz vein with mineralization @ 45°															
		56.2: 1cm quartz vein, trace sulphides, @ 25°						3511	56.0	57.0	1.0	0.004	0.16	0.03	0.12		
		-continue in well fractured rock dominantly brown porphyry with argillic alteration from 56-58, but still cut by veinlets carrying sparse mineralization			M			3512	57.0	58.0	1.0	0.022	0.28	0.03	0.04		
		58.0-58.3: near massive quartz with spotty mineralization				S		3513	58.0	59.0	1.0	0.010	0.81	0.03	0.14		
		-contact @ 45°															
		59.1: sharp contact between potassic and argillic alteration @ 25°						3514	59.0	60.0	1.0	0.004	0.18	0.07	0.17		
		59.5-59.7: broken quartz veins with sphalerite and galena in irregular potassic/siliceous alteration		sphal ga		M	M										
		60.0: 5mm quartz vein @ 5°						3515	60.0	61.0	1.0	0.006	0.04	0.03	0.06		
		60.4: sharp 60° contact on clay fractures between argillic and potassic alteration			M												
		-move in strong potassic/siliceous alteration with quartz vein stockwork carrying spotty sphalerite	12	sphal ga													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		and galena, 10-15% disseminated pyrite		py													
		-continue through constantly changing argilli to potassic alteration						3516	61.0	62.0	1.0	0.004	0.18	0.03	0.03		
		-fractured with stockwork veining		sphal													
		-spotty galena/shalerite		ga													
		-disseminated pyrite		py													
		62.6-62.8: good quartz veining with sphalerite and galena						3517	62.0	63.0	1.0	0.010	0.11	0.10	0.09		
		63.5-64.0: quartz stockwork with veins carrying coarse sphalerite and galena @ 80-90°						3518	63.0	64.0	1.0	0.006	0.15	1.30	3.78		
		-strong green montmorillonite alteration in feldspars															
		-continue in constantly changing alteration and stockwork															
		64.5: clay shear @ 65°		py				3519	64.0	65.0	1.0	0.012	0.13	0.10	0.25		
		65.0-66.2: strong siliceous stockwork, well fractured, disseminated pyrite, minor sphalerite, galena		py sphal ga				3520	65.0	66.0	1.0	0.012	0.11	0.02	0.06		
		-finish in 65° clay fracture and 1cm quartz vein followed by brown porphyry															
		-continue in brown porphyry with changing potassic alteration adjacent to quartz/carbonate veining carrying minor mineralization						3521	66.0	67.0	1.0	0.006	0.13	0.03	0.03		
								3522	67.0	68.0	1.0	0.020	0.16	0.02	0.09		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		67.9-68.0: spotty sphalerite-galena mineralization		sphal				3523	68.0	69.0	1.0	0.004	0.24	0.02	0.16		
		in veins		ga													
		69.2: strong galena/sphalerite mineralization in		ga				3524	69.0	70.0	1.0	0.006	0.19	0.73	1.74		
		veins followed by stockwork and siliceous breccia		sphal													
		to 69.9															
		-disseminated pyrite throughout															
		-numerous thin grey sulphide veinlets															
		69.9-70.8: brown porphyry															
		70.8-71.5: strong silicification and quartz				S		3525	70.0	71.0	1.0	0.004	0.13	0.06	0.09		
		veining															
		- 1-2cm quartz vein @ 0° cut by irregular quartz		sphal				3526	71.0	72.0	1.0	0.006	0.20	0.10	0.18		
		vein with sphalerite and galena @ 90°		ga				3527	72.0	73.0	1.0	0.092	0.17	0.04	0.37		
		-chlorite in veins and fractures						3528	73.0	74.0	1.0	0.006	0.04	0.36	0.12		
		-continue strong stockwork through brown porphyry						3529	74.0	75.0	1.0	0.010	0.03	0.03	0.20		
		75.5-76.0: strong silicification and sphalerite/		sphal				3530	75.0	76.0	1.0	0.008	0.19	0.34	0.71		
		galena mineralization		ga													
		-fractures with clay alteration															
		77.1-77.3: silicification, quartz veining, and		sphal		S		3531	76.0	77.0	1.0	0.008	0.23	0.41	0.44		
		coarse sphalerite, galena		ga				3532	77.0	78.0	1.0	0.018	0.20	0.25	0.91		
		-clay fractures @ 45°															
		78.1-78.3: quartz veins @ 30-45° carrying some				S	S	3533	78.0	79.0	1.0	0.004	0.10	0.13	0.20		
		sulphides															
		-within a potassic/siliceous zone															
		78.7-78.8: sulphide veinlet @ 85°															
		79.0-79.2: brown porphyry cut by quartz veinlets						3534	79.0	80.0	1.0	0.004	0.16	0.05	0.18		
		@ 30° with pink potassic selvages up to 10 cm															
		wide															
		-younger quartz veinlets @ 80°															

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 9

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		80.4: 1-2cm quartz vein with coarse sphalerite-		sphal				3535	80.0	81.0	1.0	0.004	0.20	0.05	0.19			
		galena-chalcopyrite @ 65°, followed by strong pink		ga														
		potassic/siliceous/pyritic selvage with more		cpy														
		quartz veinlets and minor sulphides																
		81.6-82.9: strong silicification and potassic		py		S	S	3536	81.0	82.0	1.0	0.006	0.13	0.03	0.26			
		alteration with disseminated pyrite		sphal														
		-quartz veins carry sphalerite and galena		ga				3537	82.0	83.0	1.0	0.008	0.13	0.07	0.44			
		-clay altered shears @ 10° & 80°						3538	83.0	84.0	1.0	0.006	0.11	0.03	0.06			
		84.0-87.0: dominantly brown porphyry with few						3539	84.0	85.0	1.0	0.004	0.08	0.05	0.07			
		veinlets, fractures at irregular angles																
		87.0: return to irregular, moderate to strong				M	M	3540	85.0	86.0	1.0	<0.003	0.18	0.02	0.04			
		potassic/siliceous alteration and stockwork						3541	86.0	87.0	1.0	0.012	0.25	0.05	0.08			
								3542	87.0	88.0	1.0	0.008	0.15	0.03	0.06			
88.0	96.0	Strong potassic/siliceous alteration in brown																
		feldspar-pyroxene porphyry				S	S	3543	88.0	89.0	1.0	0.012	0.11	0.02	0.51			
		-moderate-strong quartz vein stockwork, often																
		carrying sphalerite and galena																
		88.9: quartz veins @ 45°																
		89.0: strong clay altered shear @ 75°			S			3544	89.0	90.0	1.0	0.008	0.013	0.02	0.05			
		89.3: 1-2 cm quartz vein with sphalerite and		sphal														
		galena @ 0-20°, followed by clay shears @ 0-20°		ga														
		-continue in strong potassic/siliceous alteration		py		S	S											
		with disseminated pyrite																
		-numerous fractures with clay		sphal		S		3545	90.0	91.0	1.0	0.006	0.07	0.02	0.08			
		-strong stockwork/breccia with disseminated pyrite		ga														
		sphalerite-galena to 90.9		py														
		90.9-92.7: intense pink potassic alteration					S											

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		91.3-92.3: sphalerite and galena in quartz veinlets at varying angles		sphal ga				3546	91.0	92.0	1.0	0.012	0.15	0.62	0.51		
								3547	92.0	93.0	1.0	0.010	0.09	0.04	0.44		
		93.0-95.2: brown porphyry with numerous fractures						3548	93.0	94.0	1.0	<0.003	0.08	<0.01	0.02		
		93.6: thin fine sulphide veinlet @ 90°						3549	94.0	95.0	1.0	<0.003	0.06	<0.01	0.02		
		95.2-95.9: bleached porphyry, weak potassic/siliceous alteration -moderate chlorite alteration -well fractured				W	W	3550	95.0	96.0	1.0	<0.003	0.06	0.01	0.02		
96.0	117.0	Chlorite alteration in feldspar-pyroxene porphyry -dark green fine grained matrix with green-grey feldspar-pyroxene phenocrysts -chlorite is the pervasive alteration but grey siliceous zones and some pink potassic/siliceous zones around veins, still common						3551	96.0	97.0	1.0	<0.003	0.06	<0.01	0.02		
								3552	97.0	98.0	1.0	0.004	0.04	0.02	0.06		
		98.4: thin sphalerite-galena veinlet @ 20-30°		sphal, ga				3553	98.0	100.0	2.0	<0.003	0.06	<0.01	0.09		
		99.0: clay fractures @ 40°															
		99.0-100.0: good carbonate stockwork															
		100.6-100.7: pink carbonate veins with minor sphalerite, galena, chalcopyrite		sphal ga cpy				3555	100.0	101.0	1.0	<0.003	0.04	0.20	0.20		
								3556	101.0	102.0	1.0	<0.003	0.04	0.07	0.04		
		-continue in chlorite alteration with numerous fine carbonate fractures						3557	102.0	103.0	1.0	<0.003	0.01	<0.01	0.03		
		104.4: clay alteration in 80-90° fractures			S			3558	103.0	104.0	1.0	0.010	0.04	<0.01	0.02		
		104.7: strong clay alteration			S			3559	104.0	105.0	1.0	0.020	0.14	0.19	0.47		

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PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 11

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ALT			ASSAYS									RECOVERY	
From	To		%		A	S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	%
		104.8-105.0: coarse carbonate/quartz veining with sphalerite and galena		sphal ga														
		105.4: silicification and clay gouge			M	M		3560	105.0	106.0	1.0	0.006	0.98	0.03	0.07			
		105.5-106.0: weak silicification and stockwork				W												
		106.8-109.3: moderate silicification and stockwork grows to strong potassic/siliceous stockwork		sphal ga		S	S	3561	106.0	107.0	1.0	0.010	5.49	0.02	0.09			
		-disseminated pyrite						3562	107.0	108.0	1.0	0.024	1.00	0.77	3.36			
		-minor sphalerite-galena in quartz/carbonate plus chlorite veins						3563	108.0	109.0	1.0	0.020	0.66	0.18	0.72			
								3564	109.0	110.0	1.0	<0.003	0.10	0.09	0.03			
		107.8-108.1: quartz/carbonate plus chlorite veining with coarse sphalerite/galena, some clay																
		-return to brown porphyry with variable alteration																
		110.9-111.0: silicification with fine veinlets and coarse sphalerite-galena				M		3565	110.0	111.0	1.0	0.020	0.12	0.13	0.56			
								3566	111.0	112.0	1.0	0.022	0.12	0.03	0.11			
		111.1: clay fractures @ 70°																
		112.0-112.5: chlorite alteration around shear zone						3567	112.0	113.0	1.0	0.032	0.15	0.03	0.13			
		-shearing and carbonate veing @ 45°																
		112.5-115.0: shearing followed by moderate to strong silicification,		sphal ga		S												
		-quartz and quartz carbonate veining with minor sphalerite and galena																
		112.9-113.4: intense silicification with disseminated sphalerite-galena-chalcopyrite-pyrite		sphal ga cpy py		S		3568	113.0	114.0	1.0	0.040	0.16	0.78	0.71			
		-total sulphides up to 30%																
		113.8: galena-sphalerite-chalcopyrite-pyrite veining																
		113.9: quartz veins @ 50°																
		-disseminated pyrite through host																

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 12

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-continue to 115 in irregular silicification with veinlets carrying disseminated galena, sphalerite, trace chalcopyrite		ga sphal cpy		M		3569	114.0	115.0	1.0	0.008	0.09	0.07	0.08		
		-5 - 10% pyrite through host rock		py													
		-host becomes more chloritic towards end of zone															
		115.4-116.5: hematitic stain across the chloritic alteration						3570	115.0	117.0	2.0	0.008	0.07	<0.01	0.02		
		116.0: clay shearing @ 50° with some silicification, veining and pyrite		py		M											
117.0	149.0	Shear Zone				S											
		-prominent shearing and clay alteration in feldspar porphyry															
		-shearing dominantly 55-70°															
		-chloritic alteration of host with recessive, clay altered shear laminae															
		-some thin gouge seams															
		117.2-118.2: weak-moderate potassic/siliceous alteration with disseminated pyrite		py ga		M	M	3571	117.0	118.0	1.0	0.020	0.16	0.11	0.07		
		-quartz veining carries galena/sphalerite and pyrite		sphal													
		-shearing cuts across silicification @ 45-50°															
		119.0: begin continuous shearing foliation except for local silicification ± potassic zones				S		3572	118.0	120.0	2.0	0.014	0.10	0.03	0.11		
		-thinly laminated green-brown clay foliae @ 70-75°															
		-weakly disseminated pyrite															
		-becomes contorted with siliceous knots and veinlets															

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 13

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		121.4-121.7: siliceous and veined zone with disseminated pyrite cut by irregular clay fractures		py		M		3573	120.0	122.0	2.0	0.010	0.13	0.03	0.07		
		122.3-122.5: as at 121.4		py				3574	122.0	124.0	2.0	0.010	0.05	0.08	0.34		
		-return to contorted chlorite-clay shears with a strong direction @ 90°				S											
		-irregular quartz/carbonate veinlet fractures															
		124.0-124.2: silicification and quartz veining with disseminated pyrite		py		M		3575	124.0	125.0	1.0	0.008	0.17	0.60	1.51		
		124.7-124.8: edge of quartz vein, just cut by core containing sphalerite-galena-chalcopyrite and 10-12% disseminated pyrite		shal ga py													
		124.8-125.0: partial shearing and partial silicification				W	W										
		125.0-127.0: moderate to strong silicification with some potassic alteration, disseminated pyrite throughout 5-12%	8	py		S		3576	125.0	127.0	1.0	0.014	0.20	0.06	0.20		
		125.4-125.7: strong silicification and veining galena-sphalerite-pyrite		sphal ga, py		S											
		126.8-127.0: breccia zone with quartz/pink carbonate matrix carrying galena, sphalerite, chalcopyrite, pyrite		ga, sphal cpy py		S											
		127.0: strongly sheared, clay and chlorite altered section with broken quartz/carbonate veinlets and fragments				S		3578	127.0	128.0	1.0	<0.003	0.10	0.03	0.04		
		-shearing @ 50°															
		127.7-128.8: moderate-strong silicification				S		3579	128.0	130.0	2.0	<0.003	0.08	<0.01	0.03		
		-preserves textures of fine grained version of the porphyry															
		-weaker irregular silicification continues to 130.8															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		130.8-139.0: intense shearing and clay alteration		S			3580	130.0	132.0	2.0	0.006	0.14	<0.01	0.02		
		130.8: contorted shears often @ 30° or 90° -broken quartz/carbonate vein fragments 134.0: 10cm quartz veining with 8-10% pyrite					3581	132.0	134.0	2.0	<0.003	0.11	0.02	0.11		
		-continue intense shearing @ 50° with recessive clay laminae -many thin irregular carbonate veinlets		S												
		138.0-139.0: strong clay shear @ 80-85° plus crosscutting shears		S												
		-continue with fine grained version of brown porphyry but cut by clay fractures @ 80° 140.3-140.4: carbonate/quartz vein with minor sulphides		M			3582	139.0	141.0	2.0	<0.003	0.14	<0.01	0.01		
		-continue in clay/chlorite altered fine grained porphyry -continue prominent shearing to 144.5 -shearing then becomes less intense but rock is still fractured and clay altered -shears @ 60-70°		M			3583	144.0	146.0	2.0	<0.003	0.12	<0.01	0.01		
		148.0: 7cm quartz/carbonate plus chlorite vein in broken core -gradual transition to less fractured altered rock -end strong shearing @ 149					3584	148.0	150.0	2.0	<0.003	0.12	<0.01	0.01		

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PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 15

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
149.0	242.0	Fine grained version of brown porphyry with green propylitic alteration															
		-fine feldspar and mafic crystals, with chlorite-carbonate alteration															
		-matrix is very fine dark green or locally greyish due to carbonates															
		-numerous fractures with red hematitic clay alteration at many angles						3585	152.0	154.0	2.0	<0.003	0.14	<0.01	0.01		
		-some carbonate/quartz veining but no sulphides						3586	156.0	157.0	1.0	<0.003	0.14	<0.01	0.01		
		-minor disseminated hematite in host															
		159.8-160.0: 5-6cm quartz/carbonate vein @ 45° within a zone of veining and clay fractures	py			S		3587	159.0	160.0	1.0	<0.003	0.14	<0.01	0.01		
		-minor pyrite on vein						3588	160.0	161.0	1.0	<0.003	0.10	<0.01	0.01		
		160.5: clay fractures @ 60° followed by zone of quartz-carbonate veining and clay fractures to 161.0.	cpy			S											
		-weak chloritic alteration															
		-trace chalcopyrite															
		162.0-162.6: irregular, moderate potassic-siliceous alteration with minor carbonate/quartz veining and minor pyrite in veins				M	M	3589	162.0	165.0	1.0	<0.003	0.04	<0.01	0.01		
		163.2: clay fractures @ 90°				S											
		163.8-164.0: moderate-strong silicification and potassic alteration with disseminated pyrite				S	M										
		-quartz/carbonate veining with chlorite															
		166.8: quartz/carbonate vein and clay shear @ 50°						3590	165.0	167.0	2.0	<0.003	0.06	<0.01	0.01		
		167.5-167.6: weak breccia zone with carbonate/quartz matrix															
		173.6-173.7: thin crosscutting quartz veinlets with minor sphalerite-galena-chalcopyrite	sphal					3591	169.0	171.0	2.0	<0.003	0.12	<0.01	0.01		
			ga, cpy					3592	173.0	174.0	1.0	<0.003	0.12	0.03	0.05		

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 16

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-continue in fine grained brown porphyry with weak-moderate propylitic alteration					3593	175.0	177.0	2.0	<0.003	0.14	<0.01	0.01		
		-numerous carbonate fracture and breccia fillings and veinlets														
		179.4: 4.5cm green clay altered zone @ 50-55°			S		3594	178.0	180.0	2.0	<0.003	0.12	<0.01	0.01		
		182.4: clay altered fractures with quartz/carbonate veining @ 60°			S		3595	182.0	184.0	2.0	<0.003	0.20	<0.01	0.01		
		183.8: moderately siliceous zone of quartz/carbonate veinlets and clay fractures @ 0°				M										
		187.0-191.5: red hematitic stain -many fractures					3596	186.0	188.0	2.0	<0.003	0.16	<0.01	0.01		
		191.6: 1 cm clay shear @ 45°			S		3597	190.0	192.0	2.0	<0.003	0.08	<0.01	0.01		
		192.8: 1 cm clay shear @ 55°			S											
		193.7: siliceous fractures and quartz/carbonate veinings @ 65°				M										
		-followed by clay fractures and minor carbonate/ quartz breccia filling			S											
		195.6: silicification of fractures and breccias with fine quartz/carbonate veining @ 65°				M	3598	195.0	197.0	2.0	<0.003	0.10	<0.01	0.01		
		-chloritic alteration														
		196.3-196.8: fracturing and brecciation with quartz/carbonate filling and veining @ 50°														
		197.8: fractures and quartz carbonate plus chlorite veining @ 50°														
		199.2: carbonate quartz vein @ 70°					3599	199.0	200.0	2.0	<0.003	0.14	<0.01	0.01		
		199.5: fractures and quartz carbonate plus chlorite veining @ 50°														
		199.8: quartz/carbonate plus chlorite vein @ 60°														
		202.5: clay altered fractures @ 60°					3600	200.0	202.0	2.0	<0.003	0.08	<0.01	0.01		
		204.6: clay altered fractures and carbonate vein @ 20°			S		3601	204.0	206.0	2.0	<0.003	0.12	<0.01	0.01		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		206.1-206.3: strong clay altered fractures	tr	cpy	S			3602	206.0	208.0	2.0	<0.003	0.22	0.05	0.02		
		followed by quartz/carbonate vein @ 50° with		ga													
		traces chalcopyrite, galena															
		207.5: clay fractures @ 40°			S												
		208.9: clay fractures, carbonate veining @ 55°															
		209.4: clay fractures @ 50° with quartz/carbon-		ga	S			3603	209.0	210.0	1.0	<0.003	0.04	0.03	0.02		
		ate veining carrying minor galena															
		211.3: clay fractures @ 50° followed by 5-6cm			S												
		of pink carbonate/quartz vein/breccia															
		213.6-213.8: clay fractures @ 50°			S												
		-green chloritic alteration weakening as porphyry															
		is taking on a less altered brown color periodic-															
		ally															
		215.3-215.4: 10cm carbonate quartz veining @40°	tr	ga				3604	215.0	216.0	1.0	<0.003	0.10	0.01	0.01		
		with trace galena, sphalerite	tr	sphal													
		215.6 - 216.0: intense clay alteration with pink			S												
		carbonate quartz veinlets up to 4 cm wide @ 50°															
		217.2-217.5: fractured pink carbonate vein															
		@ 80-90°															
		218.3-218.4: siliceous zone with quartz veining		ga	M			3605	218.0	219.0	1.0	0.008	0.07	0.01	0.02		
		carrying minor galena															
		219.4-220.4: silicified zone with 1-5% pyrite	3	py		S		3606	219.4	220.4	1.0	<0.003	0.06	<0.01	0.01		
		-clay fractures and irregular quartz veining															
		220.6: clay fractures and 4cm carbonate/quartz			S												
		veining @ 40°															
		-continue with considerable irregular carbonate				W		3607	221.0	223.0	2.0	<0.003	0.12	<0.01	0.02		
		veining to 223.3. weak bleaching and silicifi-		py													
		cation with weakly disseminated pyrite															
		-irregular quartz/carbonate veining															

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 18

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		223.7-223.9: as at 223.3		py		W													
		225.9-226.0: clay alteration and silicification/ veining @ 0-20°			M	M													
		227.0: chlorite alteration and irregular carbonate quartz veining						3608	226.0	228.0	2.0	<0.003	0.06	<0.01	0.01				
		227.5-227.6: strong green clay shear @ 60-70°			S														
		-continue in green propylitically altered porphyry with irregular carbonate veinlets and clay coated fractures						3609	230.0	232.0	2.0	<0.003	0.24	<0.01	0.02				
		231.5-232.1: many fractures with clay alteration			M														
		237.8: green clay fractures @ 45°			M														
		235.4: green clay altered fractured porphyry			S														
		236.4-236.6: quartz/carbonate veining with galena in veinlets and minor disseminated chalcopyrite		ga cpy				3610	236.0	237.0	1.0	<0.003	0.08	0.05	0.02				
		237.6-237.8: grey siliceous zone with quartz/ carbonate veining carrying minor chalcopyrite, trace galena		cpy ga		M		3611	237.0	238.0	1.0	<0.003	0.10	0.01	0.02				
		238.2-238.5: irregular grey quartz vein and silicification followed by 20cm of clay alteration - silicification				M													
		-continue to end in green propylitically altered porphyry with irregular carbonate/quartz veinlets and clay fractures						3612	240.0	242.0	2.0	<0.003	0.10	0.02	0.01				
		242.0: End of Hole																	

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	146.0 m	HOLE NO. GL-84-20
LOCATION	425N 160E	collar	040'	-45°	Compass	CORE SIZE	BQ	SHEET NO. 1 of 14
ELEVATION	1790 m	61.0		-47°	Acid	TOTAL RECOVERY	98%	LOGGED BY G. McLaren
LATITUDE	416.8N	132.9		-47°	Acid	STARTED	Sept. 6/84	CLAIM Golden Lion 2
DEPARTURE	162.0E					COMPLETED	Sept. 9/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
0	9.1	Casing														9.1	cas
																9.8	70
9.1	72.0	Feldspar-pyroxene porphyry with moderate-to														11.3	85
		strong potassic/siliceous alteraton														13.4	90
		-quartz-carbonate stockwork sections are common														14.0	97
																17.1	88
		-white feldspar and pyroxene crystals set in a														20.1	110
		fine pink matrix														22.9	93
																25.9	100
		-disseminated pyrite is common through, partially	4	py												28.0	100
		replacing mafics, 2-5%														31.1	103
																35.4	90
		-some carbonate alteration in phenocrysts														38.4	103
								3613	9.6	11.0	1.4	0.026	0.04	<0.01	0.03	41.5	100
																44.5	95
		11.0: clay fractures followed by 4cm grey quartz						3614	11.0	12.0	1.0	0.032	0.11	0.01	0.07	45.7	95
		vein @ 10-20°														47.6	95
																50.6	103
		11.5: quartz veinlet @ 55°														53.6	100
																56.7	100
		11.6: thin veinlet with trace sphalerite/galena		sphal												59.7	100
		@ 60-70°		gal												62.8	100
																65.8	100
		11.9-12.0: thin broken quartz veinlets with		sphal												68.9	100
		specks of sphalerite/galena		ga												71.9	100
																75.0	100
		12.0: pink alteration colour less intense with						3615	12.0	13.0	1.0	0.010	0.07	<0.01	0.03	77.4	95
		more carbonate in matrix														80.5	102

PROJECT: GOLDEN LION HOLE: GL-84-20 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-minor pyrite														83.5	103
																86.6	100
		12.5: return to intense pink near 4cm quartz				S										89.9	97
		veining, grey with fine dark laminae														93.0	100
		-disseminated pyrite in alteration														96.0	100
		13.0-14.3: alteration varies from moderate-strong		py		M	M	3616	13.0	15.0	2.0	<0.003	0.06	<0.01	0.03	99.0	105
		potassic/siliceous in brown porphyry with green		he												102.4	90
		montmorillonite in feldspars														105.5	97
		-disseminated pyrite in potassic alteration						3617	15.0	17.0	2.0	<0.003	0.06	<0.01	0.03	108.5	100
		-disseminated hematite in brown porphyry						3618	17.0	19.0	2.0	<0.003	0.06	<0.01	0.03	111.6	100
		17.0-19.0: brown porphyry with green clay														114.6	100
		alteration of feldspars and carbonates in mafics														117.4	100
		-weak trachytic textures aligned feldspar														118.3	100
		@ 40-50°														120.7	98
		18.3: thin carbonate veinlet with trace	tr	sphal												123.8	75
		sphalerite @ 60°														126.8	95
		19.2-22.0: return to variable potassic/siliceous				M	M	3619	19.0	20.0	1.0	0.026	0.12	0.01	0.03	129.8	100
		alteration associated with veining						3620	20.0	22.0	2.0	0.010	0.15	0.01	0.05	131.7	100
		19.3: irregular carbonate/quartz veinlet with	tr	sphal												132.9	103
		trace sphalerite														135.9	103
		19.7-19.9: carbonate/quartz veinlets all carrying														139.0	97
		traces of sphalerite/galena														142.0	100
		22.0: return to strong potassic/siliceous	4	py		S	S	3621	22.0	23.0	1.0	0.014	0.15	0.03	0.03	145.1	97
		alteration														146.0	80
		-3cm quartz vein @ 60° followed by quartz veining														-	-
		@ 70-90° and cross-cutting fractures															
		-disseminated pyrite in host 2-5%															
		23.5: fractures/brecciation with quartz/carbonate						3622	23.0	24.0	1.0	0.014	0.15	0.01	0.04		
		filling															
		-fine grey fractures															
		-disseminated pyrite throughtout host															
		24.6-25.1: siliceous stockwork amongst intense		py		S	S	3623	24.0	25.0	1.0	0.100	0.13	0.01	0.03		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		potassic/siliceous alteration with pyrite		ga													
		-4cm quartz vein with traces galena, acanthite(?)		ac													
		-continue in intense potassic/siliceous alteration with pyrite		py		S	S	3624	25.0	26.0	1.0	0.006	0.09	0.01	0.04		
		26.4: clay altered fractures followed by irregular quartz veins		sphal ga				3625	26.0	27.0	1.0	0.032	0.18	0.03	0.09		
		-quartz vein @ 60° with minor sphalerite, galena															
		26.8-27.0: brown porphyry, green altered feldspars, trachytic @ 45°						3626	27.0	28.0	1.0	0.010	0.05	0.01	0.04		
								3627	28.0	29.0	1.0	<0.003	0.06	0.01	0.04		
		29.1: grey quartz vein @ 60°						3628	29.0	30.0	1.0	<0.003	0.10	<0.01	0.03		
		29.7-30: grey quartz/carbonate plus chlorite veins															
		30.3-30.4: thin grey quartz vein @ 60° followed by irregular siliceous fractures						3629	30.0	31.0	1.0	0.024	0.12	0.02	0.26		
		30.7: 4cm quartz/carbonate vein with minor galena/sphalerite		ga sphal													
		-followed by clay gouge and clay altered porphyry			S												
		32.5: 1-2cm quartz veining with galena/sphalerite @ 30°		ga sphal		S	S	3630	31.0	33.0	2.0	0.006	0.09	0.01	0.04		
		-intense potassic/siliceous selvages															
		33.0: return to strong potassic/siliceous alteration				S	S	3631	33.0	34.0	1.0	0.010	0.05	0.01	0.05		
		35.6: 5mm quartz veinlet with galena/sphalerite @ 50°		ga sphal				3632	34.0	35.0	1.0	<0.003	0.01	<0.01	0.04		
		36.9-37.0: thin irregular quartz veinlets with minor sphalerite/galena		ga				3633	35.0	36.0	1.0	<0.003	0.08	<0.01	0.03		
								3634	36.0	37.0	1.0	0.012	0.11	0.02	0.04		
		-continue in irregular potassic/siliceous alternation of brown porphyry containing irregular grey quartz stringers with trace galena/sphalerite		ga sphal		M	M										
		38.9: irregular quartz veining with galena/sphalerite		ga sphal				3635	37.0	38.0	1.0	0.016	0.04	0.02	0.05		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		39.4: 5mm sphalerite galena veinlet @ 50°		sphal				3636	38.0	39.0	1.0	0.024	0.04	0.02	0.06		
		-followed by section of numerous irregular galena-		ga													
		sphalerite-quartz veinlets cut by carbonate/quartz						3637	39.0	40.0	1.0	0.052	0.05	1.51	1.96		
		veinlets to 46.0															
		40.0: irregular clay fractures with spotty galena/		ga		S	S	3638	40.0	41.0	1.0	0.018	0.05	0.18	0.15		
		sphalerite		sphal													
		-strong potassic/siliceous alteration						3639	41.0	42.0	1.0	0.036	0.08	0.19	0.39		
		40.3: irregular clay fractures and quartz/carbonate															
		veinlets with sphalerite/galena						3640	42.0	43.0	1.0	0.018	0.12	0.53	0.51		
		43.5: 3cm quartz/carbonate vein with coarse						3641	43.0	44.0	1.0	0.082	0.14	0.30	0.73		
		sphalerite/galena @ 50°															
		-continue with fine stockwork of cream-white		ga		S	S										
		quartz/carbonate veinlets, often with fine-coarse		sphal													
		pyrite-sphalerite-galena		py													
		-disseminated pyrite through strong potassic/						3642	44.0	45.0	1.0	0.062	0.16	0.04	0.36		
		siliceous alteration															
		45.7: strong clay alteration and irregular															
		fracturing for 10cm			S			3643	45.0	46.0	1.0	0.120	0.12	0.54	1.49		
		-potassic/siliceous alteration continues but degree				S	S	3644	46.0	47.0	1.0	0.016	0.06	0.02	0.04		
		of mineralization decreases						3645	47.0	48.0	1.0	0.012	0.07	0.01	0.03		
		48.2: clay gouge															
		48.5-48.6: quartz veins up to 3-4cm wide with		he				3646	48.0	49.0	1.0	0.018	0.08	0.03	0.02		
		breccia development, partially hematitic in matrix															
		-continue strong potassic/siliceous stockwork,		ga		S	S	3647	49.0	50.0	1.0	0.044	0.12	0.08	0.07		
		minor galena/sphalerite		sphal													
		50.6-50.7: strong silicification and veining forms		ga		S		3648	50.0	51.0	1.0	0.072	0.13	0.03	0.03		
		weak breccia as above		sphal													
		-minor galena/sphalerite															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		51.8: 8mm quartz vein @ 60° with sphalerite/		sphal				3649	51.0	52.0	1.0	0.020	0.08	0.02	0.11		
		galena		ga													
		53.3: silicification, quartz veining/breccia @ 40°				S		3650	52.0	53.0	1.0	0.006	0.05	0.01	0.05		
		54.5-55.0: good quartz/carbonate veining up to		sphal				3651	53.0	54.0	1.0	0.004	0.03	0.02	0.08		
		3cm @ 0-30° with coarse sphalerite/galena and		ga													
		fine grey sulphide (acanthite?)		gr.				3652	54.0	55.0	1.0	0.028	0.13	0.14	0.43		
		55.5-55.6: quartz/carbonate veins @ 0-10° with		sphal				3653	55.0	56.0	1.0	0.042	0.08	0.02	0.17		
		sphalerite/galena/acanthite (?)		ac?													
		56.0: clay fractures and quartz/carbonate veining						3654	56.0	57.0	1.0	0.032	0.09	0.03	0.07		
		forms weak breccia															
		-commence intense fracture/stockwork to 58.8															
		56.4: grey fractured quartz veins grade into		gr.		S											
		hematitic breccia then into quartz stockwork breccia															
		with fine grey sulphides															
		57.9-58.3: white quartz vein with veinlets of		sphal				3655	57.0	58.3	1.3	0.020	0.03	0.15	0.09		
		sphalerite/galena		ga				3656	58.3	59.0	0.7	0.068	0.01	0.09	0.10		
		59.0-59.4: green chloritic alteration with thin															
		grey quartz veinlets						3657	59.0	60.0	1.0	0.006	0.15	<0.01	0.04		
		60.0: 5mm quartz veinlet with galena/sphalerite		ga													
		@ 30°		sphal				3658	60.0	61.0	1.0	0.012	0.09	0.04	0.13		
		60.6-60.7: siliceous zone with grey quartz veins		sphal													
		@ 40-50° carrying coarse sphalerite/galena		ga													
		-continue strong potassic/siliceous alteration	5	py		S	S										
		with 3-8% disseminated pyrite															
		-grey siliceous stringers															
		-feldspars are green-white															
		-mafics show carbonate-chlorite alteration locally															
		-chloritic alteration appears superimposed on potassic/															
		siliceous alteration here															
		61.3: 5mm quartz/carbonate veinlet @ 30° with		ga				3659	61.0	63.0	1.0	0.042	0.10	0.02	0.05		

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		coarse galena/sphalerite		sphal													
		63.0-63.6: stockwork of siliceous fractures with disseminated galena/sphalerite		ga sphal		S		3660	63.0	65.0	2.0	0.020	0.02	0.06	0.18		
		65.6: strong potassic/siliceous alteration and disseminated pyrite						3661	65.0	66.0	1.0	0.062	0.08	0.04	0.10		
		65.8-66.0: strong silicification includes 8cm grey quartz vein/breccia @ 45°				S											
		66.2-66.5: sphalerite/galena in irregular quartz veinlets		sphal ga				3662	66.0	67.0	1.0	0.006	0.11	0.01	0.68		
		67.1: clay gouge @ 0° followed by strong silicification and 10cm quartz vein with sphalerite/galena		sphal ga		S		3663	67.0	68.0	1.0	0.026	0.03	0.08	0.22		
		67.8-68.0: quartz veins with chlorite rims @ 0-20° carry disseminated galena/sphalerite		ga sphal													
		68.2-68.3: quartz veins @ 70° ± 10°						3664	68.0	70.0	2.0	0.004	0.01	0.01	0.07		
		continue in moderate-weak stockwork with variable potassic-siliceous or chloritic alteration				M	M										
		69.0-69.1: clay fractures and strong argillic alteration															
		69.1: 1cm quartz vein @ 0° with sphalerite/galena/acanthite?		sphal ga ac?													
		70.0: 6cm grey quartz vein with sphalerite/galena @ 30°						3665	70.0	71.0	1.0	0.032	0.07	0.04	0.24		
		70.1: 10cm white/green quartz vein with sphalerite/galena @ 20-30°															
		-continue in fine stockwork of quartz veinlets carrying sphalerite/galena to 72.5		ga sphal py				3666	71.0	72.0	1.0	0.010 .010	0.03	0.01	0.05		
		-moderate to strong potassic/siliceous alteration															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		carrying disseminated pyrite continues to 72.0															
72.0	105.2	strong pink pervasive potassic/siliceous alteration of the feldspar porphyry dissipates and green chloritic alteration increases				W	W	3667	72.0	74.0	2.0	0.237	0.12	0.01	0.07		
		-stockwork of quartz veins with disseminated pyrite continues into chloritic sections		py													
		-potassic alteration mainly restricted to vein selvage and local stockwork sections															
		74.0: 2cm quartz vein along grey clay fracture with strong potassic/siliceous selvages 20cm wide carrying 5-10% pyrite	8	py				3668	74.0	75.0	1.0	0.192	0.17	0.02	0.42		
		75.1: 2cm grey white quartz vein with fine pyrite galena, acanthite, trace chalcopyrite		ga ac py				3669	75.0	76.0	1.0	0.006	0.09	0.09	0.20		
			tr	cpy													
		-5-10% disseminated pyrite through porphyry with weak-moderate potassic/siliceous alteration	8	py			W										
		75.9: strong clay alteration in broken core				S											
		76.2: strong potassic selvages around quartz veining carring sphalerite/galena		sphal ga			S	3670 3671	76.0 77.0	77.0 78.0	1.0 1.0	0.052 0.042	0.13 0.12	0.07 0.09	0.29 0.50		
		-followed by weak stockwork with moderate potassic/siliceous alteration to 79.5				M	M	3672	78.0	79.0	1.0	0.036	0.06	0.21	1.43		
		-numerous quartz veinlets, some mineralized with sphalerite, galena, trace chalcopyrite		ga				3673	79.0	80.0	1.0	0.014	0.05	0.30	0.29		
			tr	cpy													
		80.4: weak breccia with quartz filling carries minor galena, sphalerite		ga sphal				3674	80.0	81.0	1.0	0.008	0.05	0.04	0.17		
		80.5: 10cm zone of strong potassic selvage around quartz veins carrying sphalerite-galena plus chlorite					S										

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-potassic alteration fades but brown porphyry with					W										
		propylitic alteration still carries 5% disseminated															
		pyrite															
		81.7-83.0: weak-moderate potassic/siliceous				W	W	3675	81.0	82.0	1.0	0.020	0.06	0.10	0.91		
		alteration with broken grey quartz veinlets carrying						3676	82.0	83.0	1.0	0.004	0.05	0.03	0.80		
		sphalerite/galena															
		-disseminated pyrite in altered host						3677	83.0	85.0	2.0	0.012	0.09	0.01	0.05		
		83.8-84.1: intersecting quartz veinlets with		py										.01			
		pyrite, galena, sphalerite		ga													
				sphsl													
		-moderate potassic alteration with 5% disseminated	5	py													
		pyrite															
		84.3-84.9: strong fracturing and carbonate veining		py													
		grades into weak-moderate siliceous stockwork		ga													
		with fine grained pyrite-galena-sphalerite		sphal			M										
		-variable stockwork continues to 105.5															
		85.0: some coarse crystalline quartz veins carry		ga				3678	85.0	86.0	1.0	0.004	0.06	0.09	0.05		
		coarse galena, minor sphalerite		sphal													
		86.3-86.5: quartz/carbonate vein breccia with		sphal				3679	86.0	88.0	2.0	0.018	0.06	0.16	0.09		
		coarse sphalerite															
		88.0-88.4: many fractures gives breccia with						3680	88.0	89.0	1.0	0.022	0.12	0.01	1.17		
		quartz/carbonate matrix															
		-locally filled with coarse sphalerite, minor galena		sphal													
				ga													
		-disseminated pyrite through host		py													
		89.0-89.4: good stockwork/breccia		sphal		M	M	8681	89.0	90.0	1.0	0.020	0.08	0.18	0.42		
		-moderate potassic/siliceous alteration		ga													
		-some coarse sphalerite/galena															
		-continue in brown porphyry with a dominant		py													
		propylitic alteration and weakly disseminated pyrite															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		90.3: 5mm broken quartz vein with coarse sphalerite		sphal				8682	90.0	91.0	1.0	0.006	0.03	0.01	0.61		
		90.6: clay altered fractures @ 40°															
		90.7: irregular quartz vein with coarse sphalerite/ galena		sphal ga													
		91.1: weak-moderate bleaching and silicification with many thin quartz veinlets		sphal ga py				8683	91.0	93.0	2.0	0.022	0.08	0.06	0.19		
		-some carry galena and sphalerite															
		-pyrite disseminated throughout															
		92.8-93.0: good quartz stockwork with moderate strong potassic alteration carrying sphalerite and galena		sphal ga		S	S										
		-cut by clay shears @ 70°															
		93.0: continue moderate stockwork with disseminated pyrite		py		M		8684	93.0	94.0	1.0	0.020	0.08	0.01	0.04		
		93.8-94.9: strong potassic/siliceous alteration with disseminated pyrite	4	py		S	S	3685	94.0	95.0	1.0	0.028	0.11	0.01	0.06		
		-clay altered fractures															
		-15cm pyritic, siliceous vein/breccia @ 0-20°															
		-continue in propylitic alteration with weak potassic zones					W										
		95.2-95.3: siliceous fracture/breccia zone @ 70°				S		3686	95.0	97.0	2.0	0.012	0.07	0.16	0.39		
		95.7: moderate stockwork with potassic alteration and disseminated pyrite		sphal ga py			M										
		-galena and sphalerite through veinlets															
		96.0-97.0: fractures @ 90° cutting irregular quartz/carbonate breccia with sphalerite/galena		sphal													

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-fine veinlets and stockwork continues to 99.0															
		-moderate/strong potassic alteration varies with the veining				M	M										
		97.9-98.3: carbonate/quartz veinlets with galena, pyrite, chalcopyrite		ga py cpy				3687	97.0	98.0	1.0	0.008	0.11	0.25	0.17		
		98.6-99.3: clay altered fractures and gouge				S		3688	98.0	99.0	1.0	0.006	0.17	0.11	0.22		
		99.3: after 99.3, host returns to brown feldspar porphyry with argillic or propylitic alteration and only minor pyrite				M		3689	99.0	101.0	2.0	0.008	0.15	0.01	0.02		
		-any significant pyrite restricted to thin potassic zones															
		102.4-103.0: strong potassic alteration with irregular quartz veining and 2-3% disseminated pyrite	3	py			S	3690	101.0	103.0	2.0	<0.003	0.12	<0.01	0.02		
		-finish in sharp contact @ 40° back to brown porphyry with green altered feldspar					W										
		103.5-103.8: well fractured zone of strong potassic/siliceous alteration				S	S	3691	103.0	105.0	2.0	<0.003	0.08	<0.01	0.02		
		-quartz veins @ 40-50° cut by clay fractures @ 80-90°															
		104.0-104.6: brown porphyry with clay fractures @ 90°					W										
		104.6-104.7: fractured quartz vein @ 45° with potassic selvages followed by clay fractures @ 45°					S										
		105.2: clay gouge/shear @ 30-40°				S											
105.2	137.0	Fine grained version of brown feldspar porphyry															
		-much more massive and evenly textured than previous															
		-still some fine feldspar grains usually with															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		carbonate or clay alteration															
		-dark grey at 105, becomes brown porphyry by 106															
		-less veining or fractures from previous															
		-weak propylitic alteration throughout															
								3692	105.0	107.0	2.0	<0.003	0.12	<0.01	0.03		
		108.4-108.5: thin carbonate/quartz veinlets @ 40-50°															
		108.9-109.2: many irregular fractures with carbonate veining						3693	107.0	109.0	2.0	<0.003	0.26	<0.01	0.02		
		109.3-110.2: irregular quartz veining, some brecciation and moderate potassic alteration	3	py		M	M	3694	109.0	111.0	2.0	0.016	0.04	<0.01	0.02		
		-2.4% disseminated pyrite															
		110.7: clay fractures @ 30°															
		111.5: 5mm quartz vein @ 0°				S											
		111.8: clay fracture and green clay alteration zone @ 70°				S		3695	111.0	113.0	2.0	0.018	0.02	<0.01	0.02		
		112.4: potassic alteration around broken quartz vein															
		113.1: quartz/carbonate veining between clay fractures @ 40°	2	py			S	3696	113.0	115.0	2.0	0.006	0.01	<0.01	0.02		
		-potassic alteration and 2% pyrite															
		113.5: grey quartz vein/siliceous zone @ 40°															
		113.9: clay fractures @ 70°				M											
		114.6: clay fractures @ 60° followed by quartz veining/brecciation zone with pyrite chalcopyrite		py		S											
				cpy		S											
		114.9-115.5: fine grained intrusive cut by numerous irregular veinlets including 2-3cm quartz vein with strong potassic selvages															
		116.3-117.6: strong potassic/siliceous alteration					S										
		around quartz veinlets carrying disseminated pyrite, chalcopyrite		py		S	S	3697	116.0	118.0	2.0	0.006	0.01	<0.0	0.0		
				cpy													
		-quartz vein/breccia section @ 116.7-117.0 with clay alteration @ 116.9															

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INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		118.7: 30° banded quartz/carbonate veinlet with potassic selvage						3698	118.0	120.0	2.0	<0.003	0.04	0.01	0.02		
		119.1-119.3: strong potassic/siliceous zone with disseminated pyrite aroung irregualr quartz veinlets carrying pyrite, black sphalerite, trace chalcopyrite		py sphal cpy													
		119.4-119.5: clay fractures @ 60° in quartz vein zone															
		119.9: quartz vein @ 50° with strong potassic selvage, minor pyrite		py			S										
		120.2: clay fractures and thin quartz vein @ 70° -strong thin potassic selvages					S	3699	120.0	122.0	2.0	<0.003	0.04	0.02	0.02		
		120.4: 10cm potassic zone with cross-cutting quartz veins carrying trace sphalerite disseminated pyrite	tr	sphal py			S										
		120.8: minor galena/sphalerite in thin quartz veinlet @ 30°															
		121.4: quartz -carbonate veinlet @ 60°															
		122.1: quartz vein with chalcopyrite @ 70° cut by greenish quartz vein @ 15-20°						3700	122.0	124.0	2.0	0.008	0.06	<0.01	0.02		
		123.9: 1cm quartz vein followed by clzy gouge all @ 50° -followed by clorite clay and carbonate alteration to 124.4															
		124.9: clay fractures @ 30°						3701	124.0	126.0	2.0	<0.003	0.02	<0.01	0.02		
		125.9: 2cm siliceous zone with trace galena and potassic selvage		ga		M	M										
		126.1-126.2: quartz veins with potassic selvages, clay fractured all @ 0-10°						3702	126.0	127.0	1.0	<0.003	0.01	0.03	0.10		
		126.4: strong clay fractures and argillic alteration in fine grained intrusive			S												
		126.7-127.0: fractured and silicified quartz vein		ga		S											

PROJECT: GOLDEN LION HOLE: GL-84-20 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 13

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	MINERALIZATION	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		zone		sl													
		-veins carry galena, sphalerite, pyrite	7	py													
		-disseminated pyrite through bleached silicified host, initially 5-10%															
		127.6: 2cm grey quartz vein and clay fractures with coarse sphalerite, minor galena		sphal ga				3703	127.0	128.0	1.0	<0.003	0.01	<0.01	0.35		
		-fine grained bleached silicified intrusive with 1-3% disseminated pyrite contines to 131 but becomes sheared with clay fractures and propylitic alteration	2	py		S		3704	128.0	129.0	1.0	<0.003	0.01	<0.01	0.02		
								3705	129.0	130.0	1.0	<0.003	0.04	<0.01	0.02		
								3706	130.0	131.0	1.0	<0.003	0.01	<0.01	0.02		
		131.5-132.1: pale green-grey shear zone @ 60° with intense argillic alteration and weakly disseminated pyrite		py	S			3707	131.0	132.0	1.0	<0.003	0.01	<0.01	0.02		
		132.1-132.9: strong potassic siliceous alteration with 5-12% disseminated pyrite -quartz/carbonate veinlets	8	py		S	S	3708	132.0	133.0	1.0	0.022	0.01	0.01	0.05		
		132.4-132.5: fractures with epidote veins carrying 10-15% pyrite	12	py													
		133.0: grades into pale green chlorite-carbonate altered rock with considerable disseminated pyrite	7	py				3709	133.0	134.0	1.0	0.020	0.01	0.02	0.04		
		133.1-133.5: quartz veinlets with sphalerite, galena, pyrite		sphal ga py													
		134.4: 2-3cm quartz/carbonate vein with sphalerite galena -still in fine green chloritic host with disseminated pyrite						3710	134.0	135.0	1.0	0.006	0.04	0.03	0.09		
		135.6-135.9: irregular fractured quartz/carbonate veinlets						3711	135.0	136.0	1.0	<0.003	0.04	0.02	0.09		
								3712	136.0	137.0	1.0	0.003	0.02	0.02	0.12		

PROJECT: GOLDEN LION HOLE: GL-84-20 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 14

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
137.0	146.0	Fracture zone with argillic alteration cutting	7	py	S												
		the fine grained intrusive with propylitic															
		alteration															
		-host still contins 3-10% disseminated pyrite															
		-thin clay gouge zones															
		-irregular silicified zones															
		137.1: thin dark grey quartz vein @ 60° with		ga				3713	137.0	138.0	1.0	<0.003	0.08	0.04	0.14		
		galena and phalerite		sphal													
		138.5-138.7: strong clay fracture zone followed			S			3714	138.0	139.0	1.0	0.014	0.10	0.04	0.10		
		by strong siliceous grey quartz vein zone				S											
		138.9-139.7: broken quartz/carbonate veins with		sphal													
		minor sphalerite/galena		ga													
		139.0-139.7: shear zone with intense clay			S			3715	139.0	140.0	1.0	<0.003	0.14	0.01	0.05		
		alteration															
		142.2-142.3: quartz/carbonate veinlets with		sphal				3716	140.0	141.0	1.0	0.010	0.06	<0.01	0.02		
		minor sphalerite and galena		ga				3717	141.0	142.0	1.0	0.006	0.14	<0.01	0.02		
		142.4-142.8: irregular clay shears @ 75° cutting		sphal				3718	142.0	143.0	1.0	0.010	0.01	0.03	0.07		
		quartz/carbonate veinlets and silicified zone		ga													
		with minor sphalerite, galena															
		143.3-143.4: cross-cutting quartz/carbonate veins		sphal				3719	143.0	144.0	1.0	0.006	0.01	0.01	0.04		
		up to 3cm wide with minor sulphides		ga													
		144.0-144.5: strong clay fractures with						3720	144.0	145.0	1.0	<0.003	0.04	0.01	0.06		
		siliceous veinlets						3721	145.0	146.0	1.0	0.006	0.13	<0.01	0.09		
		-finish in same propylitic alteration of fine															
		intrusive, cut by clay fractures and local															
		siliceous zones															
		146.0: End of hole															

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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 69.5 m	HOLE NO. GL-84-21
LOCATION	725N 165E	collar	220°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 4
ELEVATION	1780 m	69.5		-47°	Acid	TOTAL RECOVERY 92%	LOGGED BY G. McLaren
LATITUDE	720.0 N					STARTED Sept. 17/84	CLAIM Golden Lion 2
DEPARTURE	176.5 E					COMPLETED Sept. 18/84	PURPOSE

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
0	4.3	casing														4.3	cas
4.3	23.0	Moderate potassic-siliceous alteration in medium	2	he		M	M									4.9	15
		to fine grained feldspar crystal tuff														7.7	20
																8.8	60
		-fine feldspar crystals with white to green														11.0	92
		montmorillonite alteration														13.1	97
		-some fine mafics, mostly with shite carbonate														13.4	30
		alteration														16.5	95
		-set in a fine gritty matrix														17.1	103
		-variable pinkish alteration														18.6	83
		-minor disseminated hematite, locally up to 3%														19.5	70
		-relatively little veining														21.0	93
		-supergene limonite staining near surface						3722	9.0	11.0	2.0	0.006	0.17	<0.01	0.03	23.2	100
																25.6	107
		11.4: 5mm quartz/carbonate veinlet with minor		ga				3723	11.2	12.0	1.0	0.010	0.01	0.11	0.03	28.0	93
		galena, sphalerite pyrite, @ 70°		sphal,py												29.9	95
		11.8: thin, irregular quartz veinlet with galena,		ga												32.3	93
		pyrite traces @ 60°		py												35.4	95
																38.4	100
		12.7-12.8: 5mm irregular quartz vein @ 80-90°	tr	ga				3724	12.0	13.0	1.0	<0.003	0.01	0.02	0.03	41.5	100
		with trace galena, sphalerite	tr	sphal												44.5	100
		13.0: quartz patch with trace galena, sphalerite		ga, sphal												47.6	95
		15.1: clay fractures @ 45°				S		3725	15.0	17.0	2.0	0.006	0.02	0.01	0.03	50.0	95
		17.0-17.1: silicification and 1-2% disseminated														52.1	100
		pyrite		py		S	S	3726	17.0	18.0	1.0	0.066	0.02	0.02	0.03	55.2	93
		18.2-19.0: intense silicification, quartz flood-														58.2	100
		ing, minor disseminated pyrite 1-2%		py				3727	18.0	20.0	2.0	<0.003	0.02	<0.01	0.03	61.3	100
																62.8	100

PROJECT: GOLDEN LION HOLE: GL-84-21 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		-some irregular veining														65.8	97
		-strong potassic alteration														68.6	105
																69.5	99
		-continue intense pink potassic alteration					S	3728	20.0	22.0	2.0	<0.003	0.04	<0.01	0.03		
		-disseminated hematite 1-3%	2	he													
		-patches of grey carbonate in matrix															
		22.1: 5mm quartz veinlet, reddish hematitic band @ 70°						3729	22.0	24.0	2.0	<0.003	0.04	<0.01	0.03		
23.0	69.5	Brown feldspar-pyroxene porphyry with variable potassic-siliceous or argillic alteration	2	he													
		a textural variation on the sub-volcanic intrusive															
		-feldspars may be montmorillonite altered															
		-carbonate altered pyroxenes															
		-disseminated hematite 1-3%															
		27.2-27.5: strong clay shears and teration			S			3730	26.0	28.0	2.0	<0.003	0.01	<0.01	0.02		
		27.8-28.0: clay shears			S												
		28.3: clay fractures @ 75°			S												
		28.0-30.0: weak potassic/siliceous alteration					W	3731	30.0	32.0	2.0	<0.003	0.04	<0.01	0.02		
		33.5: clay gouge with rusty pebbles @ 0-20°			S												
		34.0-34.1: thin quartz veinlets @ 70-80°						3732	34.0	36.0	2.0	0.003	0.14	<0.01	0.02		
		-continue massive porphyry															
		-locally with grey carbonate matrix															
		-disseminated hematite															
		-no significant veining															
		40.0: thin quartz/carbonate veinlets @ 70°						3733	38.0	40.0	2.0	<0.003	0.01	<0.01	0.03		
		40.2: begin to show patchy green chloritic alteration															

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PROJECT: GOLDEN LION HOLE: GL-84-21 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		45.5: clay gouge with pebbles @ 0-20°						3734	43.0	45.0	2.0	<0.003	0.02	<0.01	0.04		
		46.1: thin quartz veinlet with strong pink selvages 1 cm wide, @ 50°															
		47.5-47.8: strong fracturing with quartz/carbonate veinlets, some carrying minor sphalerite, galena		sphal ga				3735	47.0	48.0	1.0	<0.003	0.36	0.02	0.08		
		48.0: thin quartz-carbonate veinlet @ 70°															
		49.5: quartz-carbonate vein-breccia @ 45°						3736	49.0	50.7	1.7	<0.003	0.06	0.01	0.07		
		50.0: rusty pebbles, broken core, for 10cm															
		50.3-50.8: bleaching with strong montmorillonite in feldspars -clay altered fractures			S												
		50.8-51.6: intense silicification and brecciation -fragments of potassic/siliceous altered host and grey siliceous vein material -minor disseminated pyrite, galena, trace sphalerite	tr	py ga sphal		S	S	3737	50.7	51.7	1.0	0.010	0.18	0.09	0.07		
		52.0-52.1: quartz veinlets @ 70°						3738	51.7	53.0	1.3	0.008	0.16	0.02	0.03		
		52.4-52.5: bleaching and irregular quartz veining with clay fractures -trace galena	tr	ga													
		53.2-53.6: breccia of potassic/siliceous fragments set in grey or red hematitic siliceous matrix -minor pyrite, hematite		py he		S	S	3739	53.0	55.0	2.0	<0.003	0.01	0.01	0.04		
		55.4-55.7: weak bleaching and irregular fracturing with quartz carbonate fillings						3740	58.0	60.0	2.0	<0.003	0.02	<0.01	0.05		
		62.0: quartz carbonate veinlet @ 55°															

PROJECT: GOLDEN LION HOLE: GL-84-21 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 4

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		62.3: thin quartz/carbonate veinlets with minor galena, sphalerite @ 20°		sphal ga													
		62.6: 1cm quartz-carbonate + chlorite veinlet @ 70°															
		63.0: irregular fractures, quartz veinlets, with trace galena						3741	63.0	64.0	1.0	0.010	4.21	0.26	0.48		
		63.1-63.4: strong silicification and quartz vein/breccia plus chlorite -disseminated pyrite, galena, minor sphalerite		py ga, sphal		S											
		63.7: 1-2cm carbonate plus chlorite vein @ 0-20°															
		68.8: thin irregular quartz veinlets with trace galena, sphalerite		ga sphal				3742	67.0	69.0	2.0	0.006	0.05	0.03	0.09		
		69.5: End of Hole															

NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH 62.8	HOLE NO. GL-84-22	
LOCATION 790N 90E	Collar	220°	-45°	Compass	CORE SIZE BQ	SHEET NO. 1 of 3	
ELEVATION 1768 m	62.8		-49°	Acid	TOTAL RECOVERY 94%	LOGGED BY G. McLaren	
LATITUDE 800.0 N					STARTED Sept. 18/84	CLAIM Golden Lion 2	
DEPARTURE 87.1 E					COMPLETED Sept. 19/84	PURPOSE	

G. McLaren

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
0	6.1	Casing													6.1	Cas
6.1	62.8	Pale, brown feldspar, porphyry with moderate to strong argillic alteration		M											6.4	10
		- matrix appears gritty and locally tuffaceous but is likely a textural variation of porphyry													8.2	5
		-no significant veining or potassic alteration seen elsewhere in Zone 3													10.4	85
															11.9	85
		6.1-10.0: intense argillic alteration shearing and clay gouge					3743	10.0	12.0	2.0	<0.003	0.01	<0.01	0.01	14.0	80
		- broken core, poor recovery to 8.0													14.6	80
															15.2	85
		11.2-11.9: clay shears @ 80-90°		S											17.7	88
		- irregular carbonate-quartz veinlets													20.1	107
															23.2	100
		14.0: 1-2 cm quartz/carbonate vein @ 60°					3744	14.0	16.0	2.0	<0.003	0.02	<0.01	0.01	26.2	103
															29.3	93
		14.5: clay gouge		S											32.3	103
															35.4	100
		15.0: 1-2 cm clay shear @ 60°													38.4	102
															41.5	97
		16.3-16.4: carbonate fractures/breccia													44.5	95
															47.6	100
		16.9-17.2: clay alteration and gouge		S											50.6	103
															53.6	100
															56.7	97
															59.7	103
															62.8	97

PROJECT: GOLDEN LION HOLE: GL-84-22 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 2

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %		ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RECOVERY RUN	RECOVERY %
		17.7: clay gouge			S														
		18.6-18.7: quartz-carbonate fracture filling with red hematitic stain																	
		18.9-19.0: quartz-carbonate vein/breccia followed by clay fractures and alteration fractures @ 80 - 90°																	
		19.0-19.5: irregular clay fractures @ 20-50°																	
		21.5-22.0: clay fractures and alteration						3745	20.0	22.0	2.0	<0.003	0.01	<0.01	0.01				
		22.6: carbonate-quartz veining @ 70°																	
		23.2-23.5: irregular carbonate quartz veining and clay fractures																	
		24.4-25.8: carbonate-quartz veining in fractures			S			3746	25.0	27.0	2.0	<0.003	0.01	<0.01	0.01				
		26.4-26.6: 1 cm carbonate-quartz vein @ 70-80°, followed by carbonate-quartz fractures with chloritic alteration																	
		26.7-27.0: carbonate-quartz vein breccia and irregular veinlets - clay fractures			S														
		27.3: clay gouge and carbonate veining			S														
		27.5: 2 cm carbonate-quartz vein @ 40°																	
		27.9: vein, as above @ 50°																	

PROJECT: GOLDEN LION HOLE: GL-84-22 NEWMONT EXPLORATION OF CANADA LIMITED PAGE NO: 3

INTERVAL From	INTERVAL To	GEOLOGICAL DESCRIPTION	MINERALIZATION %	ALT A	ALT S	ALT P	ASSAYS SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	RECOVERY RUN	RECOVERY %
		30.3: 5 cm clay fractures and alteration followed					3747	30.0	32.0	2.0	<0.003	0.01	<0.01	0.01		
		by 2 cm carbonate quartz vein @ 50°														
		31.0: 10 cm of fine, carbonate filled fractures														
		-followed by broad zone of irregular clay frac-														
		tures and carbonate veinlets														
		-continue in brown/grey porphyry (tuff?) with grey		M												
		carbonate alteration patches in matrix					3748	35.0	37.0	2.0	0.003	0.04	<0.01	0.01		
		-weak-moderate argillic alteration														
		37.5: clay fractures and irregular carbonate veins					3749	40.0	42.0	2.0	<0.003	0.01	<0.01	0.01		
		@ 60-70°														
		42.1-42.4: strong clay shear @ 85°														
		42.8: 10cm intense clay alteration		S												
		44.0: carbonate vein/breccia @ 45°														
		44.2-44.7: strong clay alteration		S												
		45.1-45.4: irregular carbonate vein/breccia					3750	45.0	47.0	2.0	<0.003	0.04	<0.01	0.01		
		47.1: clay fracture and carbonate-chlorite vein														
		@ 45°														
		47.3-47.7: strong argillic alteration finishing														
		in 70° clay shear														
		48.0 reddish hematitic stain becomes common					3751	50.0	52.0	2.0	0.003	0.01	<0.01	0.01		
		53.0-53.7: intense clay alteration and fractures		S			3852	55.0	57.0	2.0	<0.003	0.02	<0.01	0.01		
		-zones of strong clay alteration continue to end					3753	60.0	62.0	2.0	0.003	0.01	<0.01	0.01		
		62.8 End of Hole														

6.0 CONCLUSIONS

A series of east dipping sub-parallel structures containing strongly silicified vein and breccia segments, as well as associated quartz stockwork sections, have been defined in Zone 2. These silcified zones contain numerous thin veinlets with rich silver mineralization however they are also characterized by considerable pinch and swell tendencies. None of the zones defined to date are economically promising, however should these coalesce down dip to the east, the potential for a zone of significant grade and dimensions exists.

The subvolcanic intrusive located in Zone 3 is as yet undefined in dimension and origin. Considerable potential exists for extending the known mineralization to the south and possibly to greater depths.

The regional geology in the vicinity of the Golden Lion claims suggests that a zone of block faulting, possibly a splay off of a larger fault system (eg McClair Creek system), extends through the property, sub-parallel to the Takla thrust fault. Such a zone of structural weakness may account for the alignment of the mineralized structures and intrusives defined in the drilling. If so, the potential for a coalescing structural system down dip in Zone 2 is enhanced. In Zone 3 it appears that new elements in the geologic environment may be required to provide the higher grades needed to outline an economic orebody, hence attempting to locate the contact between the mineralized sub-volcanic intrusive and the major fault zone may lead to defining stronger alteration and/or mineralizing sources.

7.0 REFERENCES

Visagie, D. A. 1983: Geological, Geochemical and Geophysical Report, Golden Lion Claims, Omineca Mining Division, Government Assessment Report, Newmont Exploration of Canada Limited

Leask, David & Limion, Heikki, 1983: Report on the Geophysical Ground Surveys on Golden Lion and Golden Lion 2, 4 and 9 claims. Magnetics, I.P. and Resistivity, Government Assessment Report, Newmont Exploration of Canada Limited

8.0 STATEMENT OF COSTS

1. PERSONNEL

All days recorded below were accumulated between July 4 and September 20, 1984.

Geologist	79 days @ $145/d	= $11,455	
Geol. Technician Surveyor	24 days @ $ 97/d	= $ 2,328	
Catskinner Core Splitter	18 days @ $ 91/d	= $ 1,638	
Junior Assistant	16 days @ $ 80/d	= $ 1,280	
Junior Assistant	10 days @ $ 80/d	= $ 800	
Junior Assistant	6 days @ $ 65/d	= $ 390	
Junior Assistant	7 days @ $ 75/d	= $ 525	
Junior Assistant	4 days @ $ 80/d	= $ 320	
Core Splitter	5 days @ $ 52/d	= $ 260	
Cook	81 days @ $140/d	= $11,340	
		Sub Total	$ 30,336.00

2. MOBILIZATION AND DEMOBILIZATION (to Sturdee airstrip)

Includes fuel hauls from Smithers, camp and crew transport from Vancouver, etc. $ 12,624.85

3. FOOD

619 man-days @ approximately $14.25 man-day (including drill crew and pilot) $ 8,820.91

4. TRANSPORTATION (from Sturdee airstrip and around property)

Drill moves, fuel haulage, crew transport, etc
172 hours, Hughes 500D, @ $502/hr including fuel $ 86,344.00

5. CAMP COSTS

Includes lumber, propane, tents, heaters, etc	$ 2,090.85

6. FUEL

Diesel for generator, drill, cat and heating. Gasoline and oil for crusher	$ 7,582.93

7. COMMUNICATIONS

Radio rental, telephone	$ 700.00

8. EXPEDITING

Contract expediter, Smithers, B.C.	$ 2,269.80

9. DIAMOND DRILLING

a) Contract rate: 2474.9 m at an average rate of $54.53/m = $134,956.29 b) Extra charges for moving, standby, dip tests material etc = $ 36,349.42	$171,305.71

10. REPORT COMPILATION

Salaries, draughting, reproduction, typing, photocopying etc	$ 10,000.00
TOTAL	$332,075.05

NOTE: Costs were divided between the two claim groups in proportion to the amount of drilling done on each group.

GROUP GL-1: $\frac{904.7m}{2474.9m}$: 36.6% x $332,075.05 = $121,539.46

GROUP GL-2: $\frac{1570.2}{2474.9m}$: 63.4% x $332,075.05 = $210,535.58

9.0 STATEMENT OF QUALIFICATIONS

I, Graeme Peter McLaren, of #302-9127 Capella Drive, Burnaby, B.C. do hereby certify that:

1. I am a graduate of the University of Toronto with a Bachelor of Science degree in geology (1974) and a graduate of the University of British Columbia with a Master of Science degree (1978).

2. I have been practising my profession as an exploration geologist since 1974 in Western Canada and Australia.

3. I have been employed as an exploration geologist with Newmont Exploration of Canada Limited since March 1983.

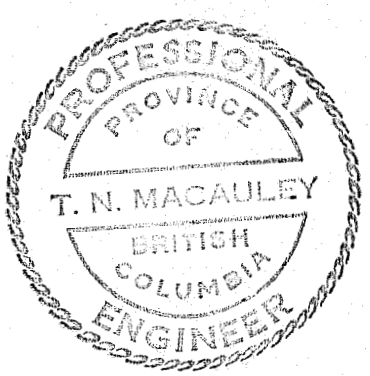
4. I am a member of the Geological Association of Canada.

5. This report is based on my personal logging of drill core, supervision of the drilling, and compilation of the data.

Graeme P. McLaren

G. P. McLaren, M.Sc.
December 20, 1984
Vancouver, B.C.

I, Terrence N. Macauley, do hereby certify that the work described in this report was done under my direction.



T. N. Macauley

T. N. Macauley, P.Eng.