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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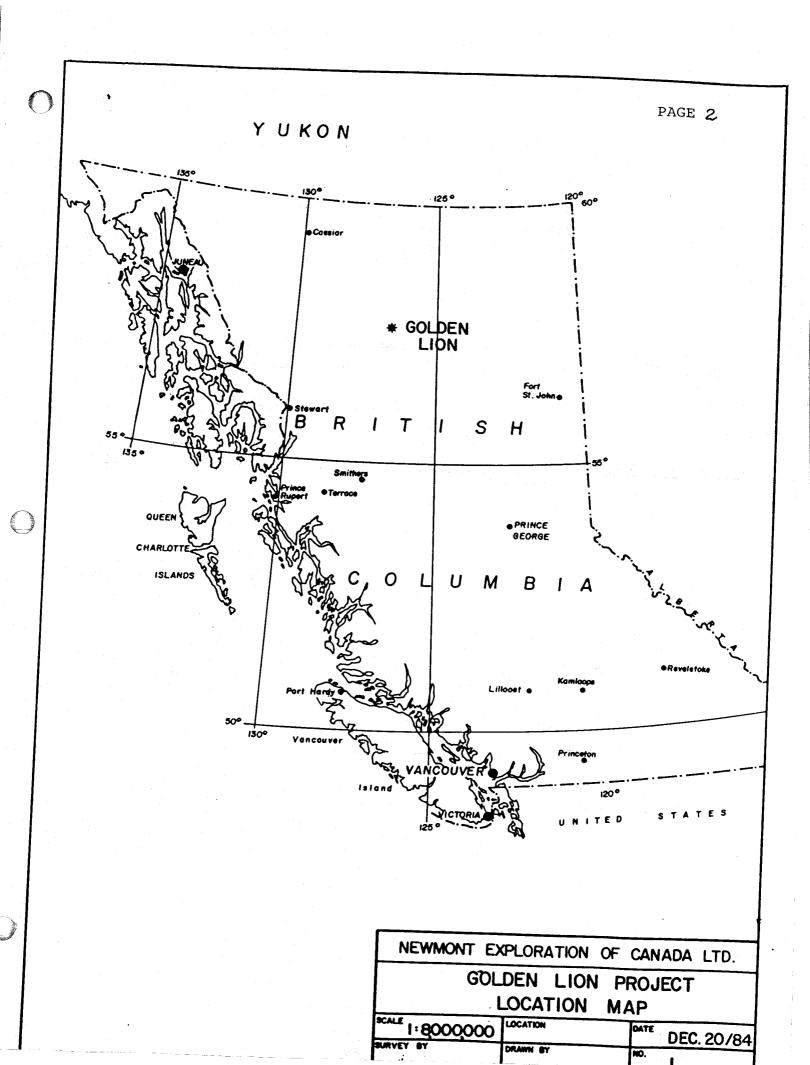
1.0 INTRODUCTION

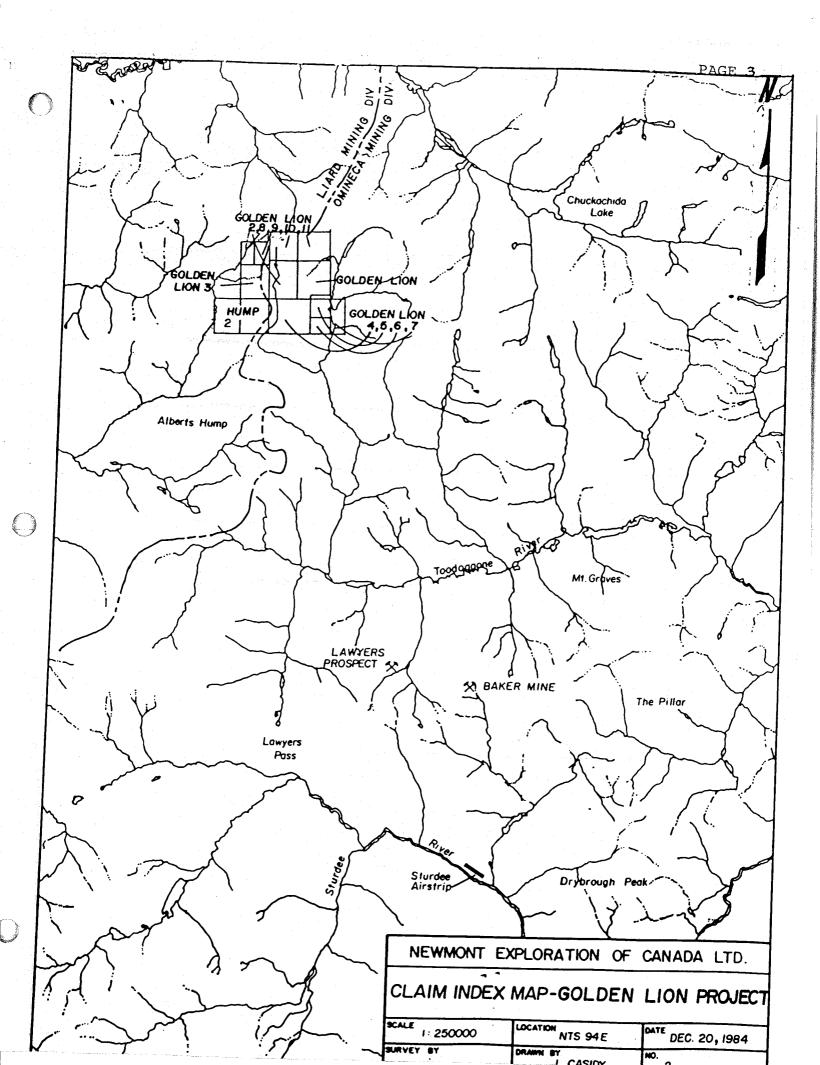
The Golden Lion and Hump claims are located in the Cassiar Mountains of north-central British Columbia, approximately 308 km north of Smithers, B.C. (Figure 1, 2). The south end of Moosehorn Lake lies 4 km to the northeast of the claim group (Figure 3). Access to the property is via charter aircraft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





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

G. McLaren R. Cranswick - Junior Assistant Geologist Geol. Technician I. Casidy I. Leask - Junior Assistant Surveyor D. Barnett M. Baknes - Junior Assistant Catskinner Core Splitter 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 magneometer 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.

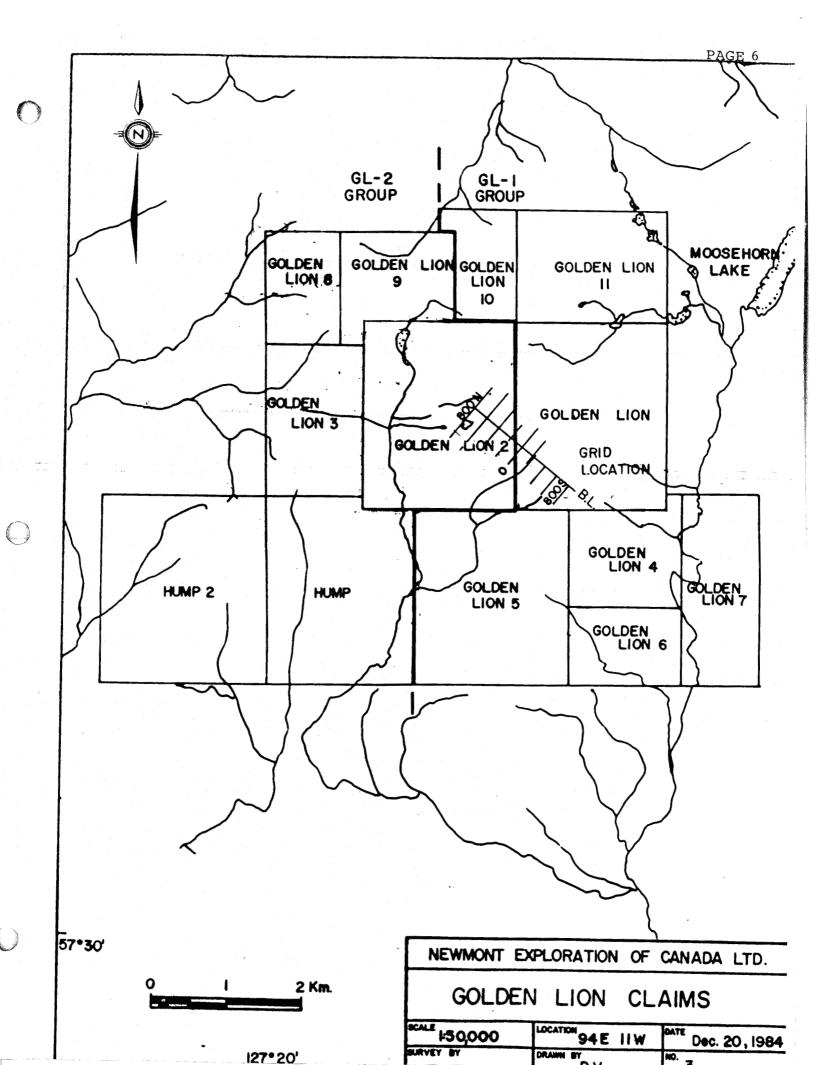
In 1983, additional detailed fill-in work, including rock and soil geochemistry, geophysical surveys (magnetometer, VLF Resisitivity, and induced polarization) and backhoe trenching, was completed. This work successfully defined areas of anomalous gold-silver and silver mineralization associated with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



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

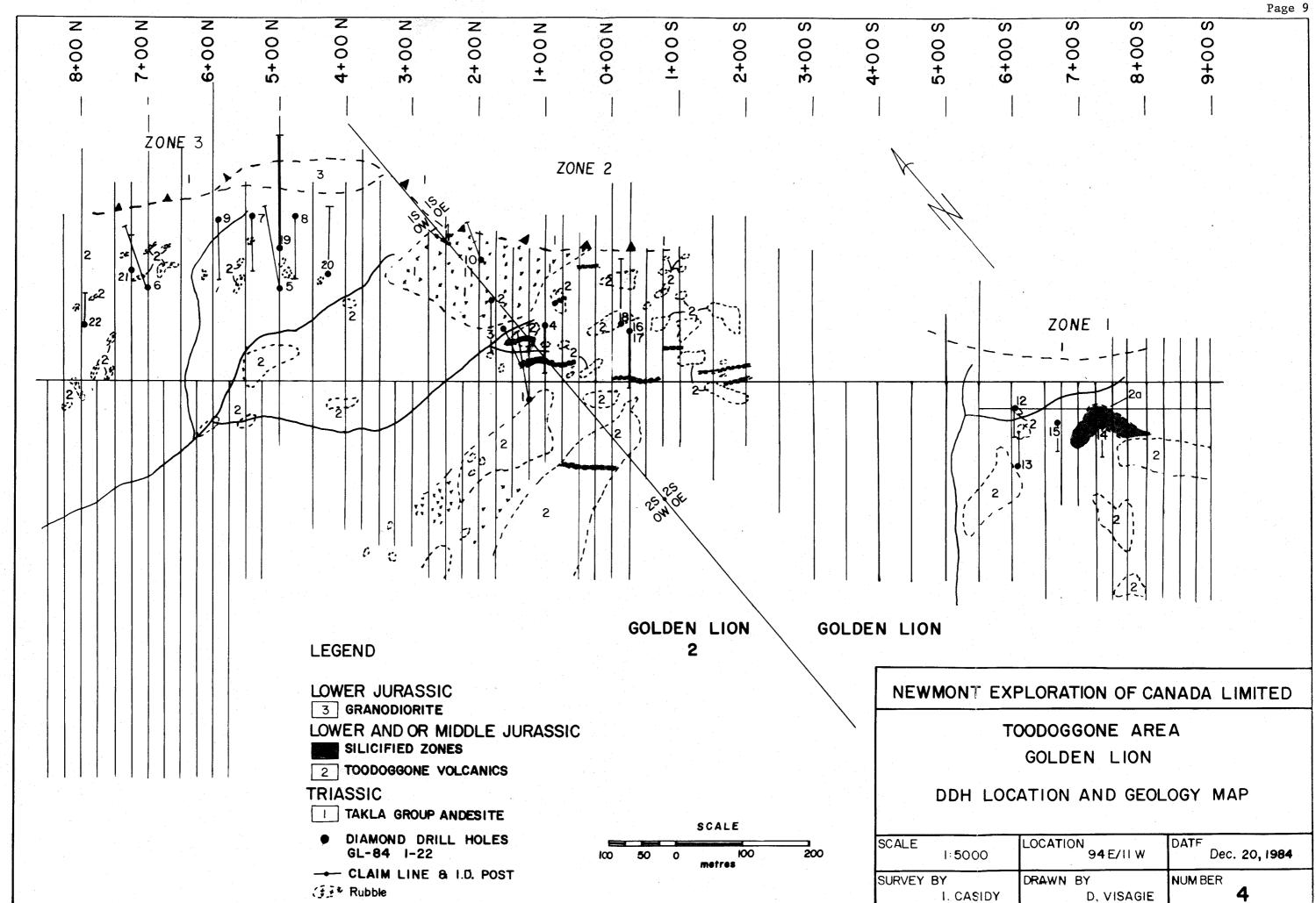
- 1) Samples are sorted, then listed on assay sheets.
- 2) The entire sample is crushed first in a primary jaw crusher, then in a secondary cone crusher.
- 3) The crushed sample is reduced to a 200-400 gram sub-sample in a Jones Riffler, then dried.
- 4) The dried material is pulverized to pass a 100 mesh screen, then rolled to homogenize.

ASSAY ANALYTICAL METHODS

- 1) Pb, Zn (%)
 A 2 gram sub-sample is digested in a hot perchloricnitric 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 subparallel 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



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.

Areas of silicification and quartz veining carrying coarse ZONE 3: 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 potassicsiliceous alteration with variable intensity of quartzstockwork 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° being across the core and 90° being parallel to the core axis.

MINERALIZATION

ру	. —	pyrite	ga	-	galena
сру		chalcopyrite	sphal	_	sphalerite
ac	-	acanthite	he	-	hematite
Ag	_	native silver	gr	_	grey sulphides
ma		malachite	mte	- -	magnetite

ALTERATION

tr

trace

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 LID

DRILL HOLE RECORD

PROJECT

COLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIH	150.0 m	HOLE NO.	GL-84-1
LOCATION	125N, 25W	collar	030°	-45°	Сомраве	CORE SIZE	BO	SHEET NO.	1 OF 10
ELEVATION	1864 m	150.0 m		-45°	Acid	TOTAL RECOVERY	997	LOGGED BY	G. McLarren
LATITUE	124.0 N					STARTED	July 4, 1964	CLAIM	Golden Lian 2
DEPARTURE	23.9 W					COMPLETED	July 7, 1984	PURPOSE	

INDER		GEOLOGICAL DESCRIPTION	MD	TERALIZATION	Al	LT				ASSAY	rs				RECO	VER
ron	To		Z		A	SP	SAMPLE	FROM	OT	LENGTH	Au	Ag			RLN	Ϊ
0	5.2	Casing			П	Т			1		1	1				2 c
					П	Т					1	t		_		1
5.2	9.1	Grey feldspar-hornblende tuff; strong argillic alteration	tr	He	S	Т	T				1					l i
		-grey feldspar phenocrysts, strongly altered to clays, and			П	Т			1		1	 			11.0	
		hornblende laths, set in a fine grained matrix with argillic			П	T					1	 			14.0	_
		alteration			П	7					1	†			17.0	
		-irregular limonitic stains: trace hematite			П	T		· · · · · · · · · · · · · · · · · · ·			 	 			18.6	
		-well fractured, thin clay seams			П	\top			 		 	 			21.6	
					П	十					 	 	+-		25.0	
		7.9-9.1: fault zone, strongly fractured with abundant clay			Н	+	 		 			 			28.0	
		gouge			H	+	 		 		 	 			29.5	
					Н	+	 		 -		╅──	 			30.8	
.1	13.1	Grey tuff, as above, weak-moderate argillic alteration			М	+	 		<u> </u>		 	 			31.4	
		-feldspar phenocrysts show distinct green montmorillonite				+	 		 		 	 -			34.1	_
		alteration			H	+	<u> </u>		<u> </u>						35.7	
					П	7					 	 	+-		38.7	_
		12.6 irregular quartz-carbonate veinlet with breccia @ 50°			\top	+					 	 			41.8	_
					\vdash	\top					 	 			44.8	
.1	14.1	Grey tuff, strong argillic alteration			s	\top	2792	13.6	14.1	0.5	<0.003	0.46			47.8	
					\sqcap	7					1	100.0			50.9	
		13.8-14.1: bleaching and quartz-carbonate veins @ 20° with		ac	П	\top					 				53.5	
		minor acanthite				T					 	 			55.8	
						77									58.8	
.1	17.1	Grey tuff, weak-moderate argillic alteration			M	\top					 	 			61.9	_
		-green altered feldspar phenocrysts				7					 	 			63.1	_
					T	T					 				66.1	
						\top				,	 	 			67.6	_
				***************************************		77					 	 			69.2	

INTER	/AL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	ILALI	T			ASSA	YS				ECOVE
From	То		Z		AS	P SAMPLE	FROM	OT	LENGTH	Au	Ag		- R	
7.1	28.0	Grey feldspar tuff with weak argillic and siliceous	2	Py	WW			1		+-=-	- 8 - -			0.1
		alteration	tr	He	$\Pi\Pi$					1				$\frac{7.3}{1.3}$
		-green altered feldsparr phenocrysts and hornblende laths	tr	Сру	\top			† ──		1				5.3
		-disseminated pyrite, trace hematite, irregular limonite			$\top \Box$	1				 				7.4 1
		stains			\top	1		1		+				0.5
						1				 				3.5
	1	17.1-17.5: bleached moderately siliceous zone with 5 mm	1	py	М	2793	17.0	18.0	1.0	0.003	0.40			6.2
		quartz carbonate veinlet containing pyrite and acanthite		ac		1				1	-			37.5
		€ 80°				†				 				0.5 1
					+					+				3.6 1
		18.3-18.4: vuggy quartz vein with minor pyrite @ 80°		py	711	2794	18.0	19.0	1.0	<0.003	0.92			6.6
			1		111					10.003	0.52			9.7 1
		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			2.7 1
		quartz-carbonate vein containing pyrite, chalcopyrite,		сру						F 0.003		- 		5.7 1
		acanthite; weak breccia development		ac	111									8.8
						+				 				1.8
		20.0: 5 mm quartz vein with pyrite, acanthite	1	py, ac	111	2796	20.0	21.0	1.0	∠0.003	1.40			4.6 1
					111					-0.005		- -		7.6 1
		20.6-20.8: breccia zone with quartz-carbonate matrix		ру						 		- 		8.0
		containing pyrite, chalcopyrite, acanthite		cpy, ac						1				0.7 1
					\mathbf{T}					 				3.7 1
		21.0: 15 mm quartz-carbonate vein with pyrite, chalcopyrite	T	ру	$\Pi\Pi$	2797	21.0	22.0	1.0	<0.003	0.08	- 		6.8 1
		acanthite @ 50°			+++	1				1 3.003		- 		9.8 1
					111	 				 		-+		2.8
			\prod					-		+		- - -		6.0 1
					TTT					+				9.0 1

INIE	WAT.			T EXPLORATI								PAGE NO	. ,				
Prom	To	GEOLOGICAL DESCRIPTION		NERALIZATIO						ASSA'	YS				· · · · · · · · · · · · · · · · · · ·	RECO	VER
1100	1-10-	22 2 22 4 20	X	<u> </u>	A	SP	SAMPLE	FROM	10	LENGTH	Au	Ag			T	RUN	
	+	23.2-23.4: 20 mm quartz-carbonate vein with dark grey selvage @ 80°	1_	ру	$\perp \perp$		2798	22.0	23.0	1.0	< 0.003				+	142	17
	+			сру	$\perp \perp \perp$											145	ti
	 	-pyrite, chalcopyrite, acanthite	<u> </u>	ac.	$\Box\Box$		2799	23.0	24.0	1.0	< 0.003	0.89				148.4	_
	 	2/ 7 25 0	1		Ш											150.0	_
		24.7-25.8: irregular limonite stain	Ь.		$\perp \! \! \! \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \! \!$		2800	24.0	25.0	1.0	< 0.003	0.10				-	╁
		05 0 05 0 15	1													+	╁
		25.8-25.9: bleached zone with moderate silicification and		ру		M	2801	25.0	26.0	1.0	<0.003	0.19				+	╁
	 	increased pyrite; veinlets @ 85°				\prod										+	╁
	 	26 5 26 7. 17. 1	<u> </u>			\prod				·····					 	 	╁
	 	26.5-26.7: bleached zone with moderate silicification and		ру		П	2802	26.0	27.0	1.0	<0.003	0.03			+	+	╁
	 	pyrite			\coprod	\coprod				-						 	╁
-	 	27 /			$\Box \Box$	\prod					†				-	+	╆
	 	27.4: quartz veinlets @ 60°			$\Box \Box$	П	2803	27.0	28.0	1.0	0.005	0.12				 	╀
		27 6-27 0. 13-1-13-1	<u>↓</u>			П					1				 	+	┢
		27.6-27.9: bleached breccia zone with siliceous-calcareous			WV	1									 	+	┝
		DELLIX	<u> </u>		$\perp \! \! \! \! \! \perp$	\coprod							- -			 	┢
3.0	30.6	Cross foldoness treff relatives and the second	lacksquare		$\perp \perp$	П										 	┢
	30.0	Grey feldspar tuff with moderate argillic alteration -minor veinlets, no mineralization			M							-				 	H
		-irregular limonite stain				П					†					 	┝
		TITESTIAL IDEALICS SCRIP	\perp		-44	Ц										 	-
.6	31.4	Fault zone: well fractured, clay gouge	1		-44	Ц			I							 	H
	42	Tactured, Clay goige	-	1 1	S	11									 	 	-
.4	36.0	Grey feldspar tuff with moderate argillic alteration	1-1		-44	Ц	<u>. </u>								 	 	Н
		area area area arkitric arteration			М	Ц									+	1 -	Н
		33.0: quartz-carbonate wein with minor breccia			Щ.	Ц									 	1	۲

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INIER	VAL	GEOLOGICAL DESCRIPTION	М	NERALIZATI	ON	TIA	T			ASSAY	S						RECO	UFR?
From	To		Z		A	SI	SAMPLE	FROM	10	LENGTH	Au	Ag	T	T		T	RIN	
36.0	42.5	Purple lapilli-fragmental tuff with moderate argillic	5	He	М				 		 		 	+	 		 	╁╌
		alteration	7			11			t			 	†	+	 	 		╁╌
		-feldspar and hornblende crystals and lithic fragments set	—			H	<u> </u>		<u> </u>				 	+	 		 	╁╌
		in a fine tuffaceous matrix	_			#			 	 	 	 	 	+	 	 	├──	╆╌
		-hematite disseminated throughout	1		_	++			 		 	 	+	+	 		 	├
		-irregular limonite stain	+			11			 	 	 	-	 	 	 		├	┰
			 		_	11	 		 		 		 	 	 	 	├	╆┈
		40.1: 5 mm quartz-carbonate veinlet @ 60°	+			11	† <u>-</u>		 				├	 	 		├	╀╌
			+	 		 	 		 		 		 	 -	 		 	⊢
2.5	44.0	Grey feldsper-hornblende tuff with moderate argillic	+	-	М	H	 		 				 	+	├			╀╌
		alteration	+			++	 		 				 	+		 		⊢
		-green altered feldspar and hornblende crystals, as before	+	 	-+	╁┼	 		 			ļ		 				▙
		, , , , , , , , , , , , , , , , , , ,	+	 	-	H			 		 	 	}	┼		<u> </u>		├
4.0	52.0	Intercalated grey feldspar-hornblende tuff and purple	12	He	— M	H	 		 		 	 	├ ──	 	 			▙
		lapilli tuff	╅╾		- -	╁┼	 						 	 	<u> </u>	ļ		⊢
		-purple tuff still shows green argillic alteration of feld-	+		-	╀┼								├			<u> </u>	┞
		spars and of lithic fragments	+	 		╁					ļ		 	 	├ ──			▙
		-purple tuff tends to be fragmental	+			+	 		 		 		 	 	 			-
		-disseminated hematite, irregular limonite stain	1-	t		H	 		 				 	 	 		 	╀─
			 			1	 						-	┼	 		 -	├-
		46.0 quartz carbonate vein @ 60°	1			\vdash			 			 	 	+	 		<u> </u>	⊢
			†				 						 	+	 	<u> </u>		⊢
		47.8-48.1: fault zone with 3-8 mm clay gouge zones	1		s	1						 	}	┾	 		 	⊢
	,		 		-		f						 	 	 		 	⊢
		50.6-50.9: fault zone with clay gouge	 	———	s	╁┼╴						 	 	 	ļ.,		 	⊢

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INIER	/AL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	1	LI	T			ASSAY	S						REO	ΝŒ
TOR	To		Z	T	A	SP	SAMPLE	FROM	70	LENGIH	Au	Ag	Ĭ .	T	T	7	RIN	Ť
		51.8-52.0: basal contact becomes finer and includes a very						· · · · · · · · · · · · · · · · · · ·	1				†	 	+	 	1	十
		fine (ash?) layer 5 cm thick, followed by fault gouge			\Box				1				<u> </u>	 		1	†	t
			L		\mathbf{T}	$oldsymbol{\mathbb{T}}$								1	—	1		t
2.0	150.0	Grey feldspar crystal tuff with moderate argillic alteration	L	He	М									T				Ť
		-feldspar crystals range from white-yellow-green with alter-	Π		П										1		†	Ť
		ation			П					·		1		†	1	 	 	t
		-fine hornblende crystals									<u> </u>	†	 	 	 	 	 	†
		-all set in a gritty, tuffaceous matrix of composition sim-			\sqcap				1					 	 	 	† 	t
		ilar to that of phenocrysts		1	П				 		t	†	 	 	+	 	 	+
		-this thick unit is variably altered, has numerous clay gouge			77	╅			† — —		-	† -		 	 	 	+	十
		zones and many quartz-carbonate veinlet and breccia zones		1	\top	\top							 	 	†	 	†	t
		-minor hematite is the only mineralization	 	 	+1	╅			 		 	 	 	 		+	+	+
				<u> </u>	11	+			 		 	 		 	 	 	┼	+
		53.1-53.4): fault zones with clay gouge		 	8	+			 					 	 	 	 	╁
			_		++	+			 			 	-	 	┼		 	╁
		53.8-54.0): " " " "	1	 	8	+			 		 	 		┼	} -	 	┼	╀
			-	 	+	+			 			 	 	 	 		├	╁
		55.6-55.9): " " " "	_	 	s	+			 		 	 			 		├	╄
			-		++	+			├		 -	 		 	 -			╀
		57.8-58.3: coarser variety of same tuff; feldspar pheno-	┢	 		+	-		 -			 	-	ļ		 		┿
		crysts show green argillic alteration	-	 	┦┦	┰			 		 	 	 	 			 	╀
			 	 	+	+	 		 	ļ		 		├	-	-	 	+
		59.2: carbonate veining and brecciation	 	 	╅┩	╅	 		├	 	 -	 -		 		 	 	+
		Y	-	 	++	+	<u> </u>				<u> </u>	<u> </u>			L		1	L

INTERVAL	GEOLOGICAL DESCRIPTION	IM	NERALIZATION	AL:	T				ASSAY	S				RECO	NE
rom To		Z	1	AS	P	SAMPLE	FROM	10	LENGIH	Au	Ag			RUN	\Box
	61.2-61.7: carbonate vein-breccia with trace hematite		He	П	П	2804	61.0	62.0	1.0	<0.003	0.02				Ţ
	62-1-62-2: fault with clay gouge	1	<u> </u>	8	\coprod								 		†
	63.7-68.0: quartz-carbonate breccia zones with veins @ 25°	+-		H	H	2805	64.0	65.0	1.0	<0.003	0.01	 			\pm
	66-1-66-4: fault with clay gouge	+		8	H							 -			Ŧ
					Ħ										İ
	67.6-68.0:	-		8	₩			1		-		 	 		4
	68.8: quartz-carbonate veinlets @ 20°	\pm		#	\sharp										‡
	69.4: cross-cutting veins @ 70° + 35°			\coprod	\coprod										‡
	70.0: quartz-carbonate veins @ 25° followed by clay gouge	\pm		в	\coprod			<u> </u>							ł
	71.0-72.0: fault with clay gouge	+-		8	${\mathbb H}$							-			+
	72.4: quartz-carbonate veinlet @ 30°	\top	Ī	\prod	\prod							-			Ŧ
	73.5: quartz-carbonate weinlet @ 80°	$oldsymbol{\perp}$		\coprod	\prod	2806	73.0	74.0	1.0	<0.003	0.01				$\frac{1}{1}$
	74.4: quartz-carbonate veinlet @ 35°	T		\prod	\prod										$\frac{1}{1}$

. .

		ECT: GOLDEN LION HOLE: GL-84-1 N	NEWMONT	EXPLORATION	OF	CAI	IADA LIN	arted .				PAGE	NO: 7					
INTERV	AL. To	GEOLOGICAL DESCRIPTION		ERALIZATION						ASSA	YS						RECO	WE
LOGI	10	75 0 77 0	7.		A S	P	SAMPLE	FROM	TO	LENGIH	Au	Ag	1		\Box		RLN	T
		75.0-77.0: many breccia zones with veins @ 80° and @ 65°	\dashv		Ш	Ш	2807	75.0	76.0	1.0	<0.003	0.02						Ť
		76.5: clay gouge			Щ	11									1			T
		7005. CIAY googe			8	++												T
		77.2: " "	+		4	#					ļ		<u> </u>					Ι
				·	Н-	₩					 		<u> </u>					Ι
		77.0: quartz-carbonate veinlet @ 65°			+	₩					 							Ι
					╁	++			 			<u></u>	<u> </u>	1	+			1
		78.5: 5 cm clay gouge	+-+		8	++			 		+				┼			1
					1	++			 		 	 -	 	 	\longrightarrow	—		+
		80.0-80.4: fault with clay gouge			8	$\dagger \dagger$			 		+	 		 	+-+		-	╀
						Π							 		 		<u> </u>	╄
-		80.5-82.5: strong argillic alteration with clay gouge			8						†		 	 			_	╁
		23 5-9/, 00 -01	\bot		\perp	П								 	1			t
		83.5-84.0: clay gouge			8	П												t
-+		84.7: quartz-carbonate vein @ 45°	-		4	Н	2000										- :-	t
		The state of the s	+		┿	╀	2808	84.5	85.5	1.0	<0.003	0.02						Ι
		84.8-84.9; quartz-carbonate breccia zone	+		╁	╁┼									\sqcup			Ι
			+-+		+	Н			-		 				\sqcup			L
		85.0-86.0: 3 quartz carbonate veinlets 6 80°	1-1		+	╁					+			<u> </u>			/ -	Ļ
			1-1		+	H			 		 - 				├──			╀
		89.2-89.4: clay gouge zones ending with quartz-carbonate vein breccia @ 45°		· .	\top	\vdash	2809	88.0	89.0	1.0	∠0.003	0.02			\vdash			╄
		vein breccia (45°			П						-5.55	· · · · ·			 			╀
					П	П										$\overline{}$		╄

INTER		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AL	T				ASSA	rs						RECO	NER
From	То		Z		A S	P	SAMPLE	FROM	10	LENGIH	Au	Ag	T	T	T		RUN	Ē
		89.9-90.3: strong shearing and argillic alteration	<u> </u>		8	\prod									1			T
		90.5: clay gouge	┼		Н	44			ļ		 		ļ					Γ
		70.5: Ciay godge	┼	 	8	╂╂			 		 		 	 -		 -	·	╀
		91.2: clay gouge	┼	 	s	╂┪			 		+		 	+	+	 		Ļ
					Ħ	††			1		 	 	 	+	+	 		╁
		92.4-93.0: strong shearing and argillic alteration			s	\Box					$\overline{}$	i — —	 		1-	—		t
		00.			П	П											_	t
		93.6: 2 cm clay gouge	↓	ļ <u> </u>	11	Н												Γ
		96.6-96.8: clay gouge zones	┼		s	₩				····	 			∔	 			Į
		Solo Solo. City godge zones	+-	 	1	╁┤			 		 	 	├	 	 			╀
		98.9-99.3: carbonate-quartz breccia zones	†		H	††	2810	98.5	99.5	1.0	<0.003	0.03	 -	+	+	 		⊦
						П					1	1	 	 	+	 		t
		100.1-100.6: carbonate-quartz breccia zones			П	П												t
		103.7: carbonate vein @ 65°	├	ļ	Н	Н												Γ
		100.7: Carodiace Welfi (6)			H	╁╁			ļ		} -	<u> </u>	ļ	<u> </u>	ļ.,,	 		L
		104.9-105.2: fracture zone, clay gouge and calcite veinlets	┼─		s	╁			 		 		 	 	₩-	 		Ł
			T		H	††			 		 			+	+	 		⊦
		108.9-109.0: clay gouge			s	\Box					†·		 	†	+	 		t
		110 2 112 6			П	П												۲
		110.3-113.0: section includes a number of quartz-carbonate	 		Ш	11												Γ
		breccia zones up to 30 cm wide, some with disseminated pyrite (particularly at 110.8 and 111.1); contacts tend to be @	├		Н-	Н	2811		111.0	1.0	~0.003							ſ
	 	10-20°	tr	Pv	Н-	Н	2812 2813		112.0	1.0	<0.003 <0.003		<u> </u>	<u> </u>				L

		CEOLOGICAL DESCRIPTION	M	NERALIZATION	AL:	T				ASSA	rs					RECO	WH
coma :	ľo		X		AS	P	SAMPLE	FROM	700	LENGTH	Au	Ag	T			RLN	Ϋ
		114.3: quartz-carbonate veinlets @ 45°			\prod	Π											十
	·	114.7; clay gouge	┼-		H	H			\Box		\Box					\perp	#
			+	 	╁┼╴	╁╁			 		+	 -				+	┿
		115.0-116.0: thin quartz-carbonate veinlets @ 45° + 80°	工		ഥ	Ħ									1	+	†
		117.5: quartz-carbonate veinlets @ 65°	+-		Н-	Н					ļ					Τ	Į
			1		Н	††			1		 				+	+	+
		119.3-119.4: quartz-carbonate veins and breccia @ 45°				Ц	2814	119.0	120.0	1.0	<0.003	0.03				1	†
士		123.2-123.3: clay gouge	1			H					 					 	Ŧ
		125.0: quartz-carbonate veinlets (45°	1		H	П					 			#		#	‡
					H	H			 		 				+	+	+
+		126.0: quartz-carbonate vein/breccia @ 35			П	П											1
		127.6-127.8: quartz-carbonate vein/breccia			H	H	2815	127.0	128.0	1.0	<0.003	0.02			+		Ŧ
		131.0: quartz-carbonate vein/breccia @ 45°			F	П										\perp	‡
			+	 	╟┼	╁╁			 		 				+	 	+
		132.0: quartz-carbonate vein/breccia and bleached zone 5 cm			Ш	\coprod	2816	132.0	133.0	1.0	<0.003	0.01		_	+	+	+
	<u> </u>	wide @ 35°				П											1
-+-	-	133.0: clay gouge and weinlet @ 60°	┼		-	₩	2817	133.0	134.0	1.0	<0.003	0 00					I

建,整个一个

From To 135.5: quartz-carbonate vein/breccia @ 45° X A S P SAPPLE FROM TO LENGTH Au Ag 137.1: quartz-carbonate vein/breccia @ 45° 140.3: quartz-carbonate vein/breccia 143.0: quartz-carbonate vein/breccia 143.5-143.8: strong brittle fracture zone 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:														COM COTON DESCRIPTION		INDERV/
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: " " " " " " " " " " " " " " " " " " "	REO	 			S	ASSAY								GEOLOGICAL DESCRIPTION		
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: " " " " " " " " " " " " " " " " " " "	RLN		T	Ag	Au	LENCIH	TO	FROM	SAMPLE	SP	A		X	135 5: grant-park-sec out-/	10	
143.0: 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: " " " " " " " " " " " " " " " " " " "										Ш	44		 -	13333. quartz-cartotate verny oreccia e 45		-+
140.3: quartz-carbonate wein/breccia 143.0: quartz-carbonate wein @ 90° 143.5-143.8: strong brittle fracture zone 145.8: quartz-carbonate wein @ 35° 146.6-146.8: fracture zones with quartz-carbonate veining 147.2-147.4: " " " " " " " " " " " " " " " " " " "										Ш	44	 	_	137.1: guerta-corbonato unto/buserto # 450		
143.0: quartz-carbonate wein @ 90° 143.5-143.8: strong brittle fracture zone 145.8: quartz-carbonate wein @ 35° 146.6-146.8: fracture zones with quartz-carbonate weining 147.2-147.4: " " " " " " " " " " " " " " " " " " "										$\sqcup \sqcup$	\bot	 -	_	23711. quartz-cartorate verity breecta e 43		$\overline{}$
143.0: quartz-carbonate wein @ 90° 143.5-143.8: strong brittle fracture zone 145.8: quartz-carbonate wein @ 35° 146.6-146.8: fracture zones with quartz-carbonate weining 147.2-147.4: " " " " " " " " " " " " " " " " " " "										$\sqcup \bot$	++	-		140.3: guartz-carbonata vain/brossia		-
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: " " " " " " " " " " " " " " " " " " "										\sqcup	44	 		quarte carbonace verificienza	-	
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: " " " " " " " " " " " " " " " " " " "										11	44			143.0: quartz-carbonate wein @ 90°		
145.8: quartz-carbonate vein @ 35° 146.6-146.8: fracture zones with quartz-carbonate veining 147.2-147.4: " " " " " " " " " " " " " " " " " " "											+	 		The state of the s		
145.8: quartz-carbonate vein @ 35° 146.6-146.8: fracture zones with quartz-carbonate veining 147.2-147.4: " " " " " " " " " " " " " " " " " " "										11	++	 		143.5-143.8: strong brittle fracture zone		
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										+++	++	 -		The state of the s		
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										+++	++	 		145.8: quartz-carbonate wein @ 35°		
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										-+-	₩	 		The state of the s		
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							\longrightarrow			++	++	 	-+	146.6-146.8: fracture zones with quartz-carbonate vertiling		
-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										++	╁╂			The state of the s		
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										++	╁	 	-+	147.2-147.4:		
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			<u> </u>							++	╫	 	+	-this 'grey tuff' unit is locally mottled with nurple		$\Box \Box$
grain size also varies from fine to intermediate, with local lapilli fragmental horizons -argillic alteration of the rock is relatively uniform			114							++	++	 	+	hematite or green clay/chloritic alterations	1.0	
local lapilli fragmental horizons -argillic alteration of the rock is relatively uniform		 								++	++	+	+	-grain size also varies from fine to intermediate, with		
-argillic alteration of the rock is relatively uniform		 					+			++	++	 	+	local lapilli fragmental horizons		
		 								++	++	 		-argillic alteration of the rock is relatively uniform	- 4	
(exactr along shear-tracture-clay gouge zones) however		 	-							++	11	 	\dashv	(execpt along shear-fracture-clay gouge zones) however	3.4	
saussuritization of the feldspars varies from complete		 								++	††	 		saussuritization of the feldspars varies from complete		$-\!$
replacement to local zoned replacements		\longrightarrow	 				-			++	++		-11	replacement to local zoned replacements		
		 	 							++	††	1		150.0 END OF HOLE		

NEWMONT EXPLORATION OF CANADA LID

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DRILL HOLE RECORD

PROJECT

COLDEN LION

LEVEL	Surface	DEPTH	HEARING	DLP	TYPE OF SURVEY	LENCIH	111.6 m	HOLE NO.	GL-84-2
LOCATION	185N 125E	coller	220°	-45°	Compans	CORE SIZE	BQ	SHEET NO.	1 OF 5
ELEVATION	1.850 m	111.6		−45 *	Acid	TOTAL RECOVERY	94%	LOCCED BY	G. McLaren
LATITUDE	191.6N			•		STARTED	July 8/84	CLAIM	Golden Lion 2
DEPARTURE	115.Œ					CIMPLETED	July 10/84	PURPOSE	
								·	y my Laren

INTER		GEOLOGICAL DESCRIPTION		NERALIZATION	ļ					ASSA	YS					RECO	OV!
ron	To		Z		A S	P	SAMPLE	FROM	TO	LENGTH	Au	Ag				RUN	T
<u> </u>	27.7	Casing			П	П			1						-	27.	7
						П			1		T					29.0	
7.7	52.3	Grey feldspar porphyry with weak argillic alteration	2			П			1			 			1	32.6	
		-white to yellow feldspar phenocrysts up to 1 cm across, with	tr	Py	П	П										35.6	_
		smaller hormblende phenocrysts set in a very fine, dark grey			П	П										38.	_
		matrix				П			1		1	†				41.8	_
		-feldspars weakly corroded by clays				П					1	 	 			44.8	
		-hematite disseminated throughout; traces pyrite			\vdash	\sqcap			 		┪	 			 	47.8	_
]		-fairly massive competent unit with brittle fracturing and				11			†		 		 			50.9	_
		thin carbonate breccia-vein zones				Ħ					+					53.9	
					\top	Ħ			1		+	 				56.1	_
		35.0: 5 cm carbonate vein @ 45°				††	2820	35.0	36.0	1.0	<0.003	0.06				58.5	
					-	Ħ			1		10.003	0.00	-			60.0	
		38.5-40.5: yellow staining of feldspar phenocrysts and of the	tr	DV		11	2821	39.0	40.0	1.0	≥0.003	0.10				61.0	_
		rock in general; traces pyrite		''	1	Ħ			1		-0.003	0.10				63.4	_
					\vdash	11					+					66.1	
		38.7: 3 cm clay gouge			\vdash	11					+	 				69.2	_
	5 3				1	Ħ			 		 		-			71.9	_
		41.8: 3 cm clay gouge			1	††			 		+	-				78.3	_
					-	Ħ			† · · · · · · · · · · · · · · · · · · ·		 					79.8	_
		45.8: carbonate vein and fracturing @ 90°			+	Ħ	2822	45.0	46.0	1.0	<0.003	0.01				82.9	-
					+	††			 		1-0.00	0.01					_
		51.0: feldspar phenocrysts become distinctly green due to			М	⇈			 		+					85.6	_
		clay and chlorite alteration			\top	††		:	 		-						_
I					+	Н			-		+					90.5	_
					+	Н					+					93.6	_
					+	╁			 		+					96.6	_
					+	H			 		+					99.1	_
				<u> </u>	ــــــــــــــــــــــــــــــــــــــ	H			لنسينا							102.1	1

INIER	VAL	GEOLOGICAL DESCRIPTION	М	NERALIZAT	TON	AIT	T		· · · · · · · · · · · · · · · · · · ·	10043	70							
From	To		×				SAMPLE	FROM	100	ASSA				· .			RECO	NER
52.3	52.5	Brown lapilli-fragmental tuff	اٽ	 		1	SHIFTE	FRUM	10	LENGTH	Au	Ag					RLIN	\mathbf{I}
		-sharp contact with a finer grained feldspar hornblende tuff,	1	 		++	+				-		<u> </u>				105.2	. 1
		similar to the above, but with reddish brown matrix and	┼	 		╁┼	 					<u> </u>					108.2	$\lceil 1 \rceil$
		fragments of feldspar porphyry	┼	 		++	+	 				L					108.5	1
		-feldspars show green montmorillonite alteration	 	 		₩	 	<u> </u>				<u></u>	<u></u>			1	111.6	1
			╂	 		++		ļ			<u> </u>						1-	Т
52.5	54.0	Fault zone, intensive green clay alteration and gouge zones	├	 		Н		ļ										
		well fractured, minor quartz veining	├		<u> \$</u>	Ш	-	Ļ							T	T		1
		The second secon	-	 		++	 	<u> </u>	<u> </u>				15]	T			✝
4.0	78.0	Grey-brown crystal tuff with moderate argillic alteration	2	He		++	<u> </u>									1		T
				1	M	44									1	1		T
		quartz, set in a very fine tuffaceous matrix	ᄪ	Py		11	ļ								T	1	1	t
		-feldspars are green and altered to montmorillonite/chlorite	ļ	ļ		₩			<u> L</u>					1	1		 	H
		-disseminated hematite common		ļ		11											1	H
		-irregular bleaching to an orangish colour (potassic alter-	ļ	ļ		11									1	 	 	H
		ation?) carries incressed pyrite content	ļ	<u> </u>		Н	ļ				I			7		 	1	H
		-thin fractures with intense clay alteration and or carbonate	<u> </u>	ļ		11							1	1	1	†	 	Н
	· · · · · · · · · · · · · · · · · · ·	veinlets in different directions	<u> </u>	<u> </u>		11									 	 	†	⊢
		Transces in different different				Ш				: .		:			†	+	+	H
$\neg \neg$		58.2: carbonate vein/breccia @ 35°				Ш	513							 	+	+	+	H
		2012. Carbonace Vehic/Breccia (3)				Ц	2823	56.0	57.0	1.0	0.012	0.23		†	 	 	 	┢
		59.8: carbonate vein/breccia @ 65°				Ш								1	+	+	+	-
$\neg \dashv$		22701 CARACTEC VEHICULESCIA (* 0)				Ш								+	1	+	+	┝
		61.0: clay gouge				Ш				100				 		 	 	├
		casy goage		<u> </u>	s	Ш								1	-	 	 	H
		61.8: carbonate vein @ 65°				Ш								1	 		 	H
						Ш								1	†	 	 	┢
		63.9: carbonate vein/breccia for 10 cm	_			Ц.								—	 		 	┝
		CONTRACTOR TO TO CH				Ш	2824	63.0	64.0	1.0	0.006	0.03			 	1	 	<u> </u>
		64.9: carbonate vein/breccia				1							<u> </u>		 	 	 	-
		THE PARTY OF THE P			!	H			1					+		 		_

				T EXPLORATION								17100	NO: 3					
INDER		GEOLOGICAL DESCRIPTION		NERALIZATION						ASSAY	S						REO	NE
From	To	<u> </u>	Z		A	SP	SAMPLE	FROM	OT	LENGIH			1	T	T	T	RLN	T
		65.5: microfractures, carbonate veinlets and breccia at 10°			П	$oldsymbol{\mathbb{T}}$	2825	65.0	66.0	1.0	0.016	0.42			1			†
		68.6; veins @ 45°	┼	ļ	H	+			ļ									I
		Will Act to the Control of the Contr	┿	ļ	₩	+					 	<u> </u>	<u> </u>					\perp
		69.6-70.0: microfractures carbonate veinlets and breccia @	╀	 	₩	+	2826	69.0	70.0		0.01	-	 	 	 			Ţ
		10°	┼	 	H	┰	2020	03.0	70.0	1.0	0.010	0.06	ļ		┼		↓	4
			+	 	╁	┯					ļ	 -	 		—	 	┼	4
		71.5-72.5: breccia with carbonate matrix	+-		11	┿	2827	73.0	74.0	1.0	0.010	0.13	├	 	┼	} -	┼	4
					17	\top			1		10020	10.23	 -	+	+	┼	+	+
	##	N.B. Boxes \$7 & 8 dropped by driller's helper hence core is	 		H	+			 		 		 	+	+	+	 	+
		reconstructed to a "best fit" from 71.5 to 85.0	\top		11	+					 	 		+	+	 	+	+
		-all measurements approximate in this section	\top		П	\top			†		 			 	+	 	+	t
			7		\sqcap	77					}	 	 	 	┼	 	+	+
		77.0: rock becomes dominantly a grey lapilli tuff and then	1		П	П			1				 	+	+	 	 	+
		grades into a brecciated contact with purple tuff				\top					†		 	 	 	 	 	t
	70.0		L		П	\Box								1		 		†
.0	/9.3	Intercalated grey lapilli tuff and purple crystal tuff, both	2	He	П	\Box								$\overline{}$	 	†	 	†
		with moderate argillic alteration			M	T							1	 	1		 	†
		-hornblende is common in grey tuff but has been broken down	Ι.		\prod	\square								1	 			†
		to form hematite to colour the purple tuff				\Box								1		 	 	†
		-some breccia zones with a carbonate matrix			П	П								1	 	— —		†
		-carbonate veins @ 10-30°				oxdot								1	—	 	 	†
- -	00.0		上		П	oxdot								1		<u> </u>	<u> </u>	†
.3	82.0	Purple crystal tuff with strong argillic alteration	2	He	S	\coprod								— —				†
		-well fractured with strong clay alteration in fractures	<u> </u>			\coprod									<u> </u>	\vdash	 	†
		-quartz veining/brecciation with lesser carbonate	_			П									1			t
-		-fracturing and brecciation with clay matrix increases to 82.0	<u> </u>			П												†
			1-		Ш	44												Ť
			ļ		4	44												T
		<u> </u>	L	L		4 (1									T

INIER	AL.	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	A	LT				ASSAY	<u>s</u>						RECO	NE
Prom	To		1%		A	SP	SAMPLE	FROM	10	LENGTH	Au	Ag		T	Т	T	RIN	T
32.0	85.6	Fault zone	1		s		2828	84.0	85.0	1.0		0.09		 	_	 	+	+-
		-intense grey argillic alteration with remnant fragments of			11	1					-	-	 -	 	 	 	+	+-
		purple lapilli tuff		1	11	+			 		 			 	 	 	+	+-
		-pure clay gouge zones up to 8 cm wide	1		11	+			+		-	 	 	 	 	 	+	┿
		-quartz veins @ 0-10° within the gouge	1		11	+			 					 	+	 	+	╁
			1		††	+			 				 	 	 	+	+	+
35.6	87.6	Intercalated purple and grey tuffs with moderate argillic	He	 	М	+			 		}	 	 	+	 -	 	+	+
		alteration	1	 	#				+					 	+	 	+	┿
	_	-fine white feldspar crystals and minor quartz			11				1			 	 	+	+	 	+	╁
		-fine hornblende crystals in grey tuff, break down to hematite	2		11	_			 					†	 	 	+	+
		in purple tuff	+		11	+			 		 	-	 	+	+	 	+	+
		-locally brecciated and irregularly veined	1		11	+			+				 	┼──	+	 	 	+
			+		++	+			 	·				┼──	 	 	┼	╁
7.6	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	+	1	†††	+		03.0	1 20.0		0.000	0.00	 	 	┼	 	 	┿
		minor quartz set in a fine gritty matrix	+-	 	++	+			+			ļ		-	┼	 	+	╄
		-some mottled textures due to bleaching adjacent to carbonate	+	1	++	+			+				 	+	+	 	+	+
		filled fractures	+	 	++	+			 			 -		 	+	 	+	╁
		-veining and fracturing quite irregular	+	 	++	+-			} }				├──	 	┼	 	+	+
			${f +}$	 	++	+								+	+		+	╀
		93.0-95.0: intermittent shear zones with intense clay	1-	 	s	++			+		 			 	+		 	+
		alteration up to 0.5 cm wide	1	 	+++				1				 	 	┼	-	+	+
			1		††	+			 			 	 	 	 	 	┼	+
6.0	111.6	Green-grey crystal tuff, moderate propylitic alteration	 		11	+			 	 -			 -	-	┼	 	+	╁
		-similar to overlying tuff, but is now olive green coloured	1		††	+			 		 			┼──	┼		+	╀
		due to montmorillouite/chlorite alteration	1		††	++			+		 -			 		 	+	╁
		-green feldspar crystals set in a fine grained green-grey	† 		++	+			 			 			├ -	 	+	+
		matrix	+	 	╅╂	Н			┼─╌─┤		 	ļ		├ ──	┼		┼──	╀
		-carbonate veining still irregular	 	 	††	+			 		 	 	 -	 	 	 		+
			+	 	++	+			↓						<u></u>		<u></u>	T

INTERV	'AL	GEOLOGICAL DESCRIPTION	M	NERALIZATION	AL:	r				ASSAY	S						RECO	NER
rom	To		Z		AIS	ĪР	SAMPLE	FROM	TO	LENGTH	Au	Ag		1			RLN	T
		103.2: quartz wein with trace pyrite and limonite at 80-90°		РУ			2830	103.0	104.0	1.0		0.12						上
		107.0-108.0: areas of strong clay alteration and shearing	┼	<u> </u>	s	+	2831	107.0	108.0	1.0	0.006	0.05					<u> </u>	\perp
		100 to 100 areas or accord that areas areas	+-	ļ	Ħ	₩	201	107.0	100.0	1.0	0.00	0.00		 	 		├──	+
		111.6 END OF HOLE				П												İ
			-	ļ	++-	11			ļ					<u> </u>			<u> </u>	Ţ
-			+	 	₩	╁		 				<u> </u>					├	╀
			+		+	╅╅					 	 		 	-		 	t
					П	П												1
			1		Щ	П												I
		<u> </u>	-	 	╀	╂╂			 			<u> </u>		 				+
-			+	7.	╁┼╴	╁┼		 	+					}		 	├	$^{+}$
			+		H	Ħ			 		 	 	<u> </u>		 	·	 	†
					П	П												İ
				ļ	44	11			·									Į
_	·		+	 -	H	H	 		 		 	ļ		 			├	+
			+	 	††	H			 		 			 		 	 	t
\Box					П	П												Ì
				ļ	╀┼	11												I
_			+	}	╫	╁┼		v.			 		ļ				 	$^{+}$
			+-		++-	††			++		 					 	 	t
					П	П												İ
			1-		11	+1	-											I
			+	ļ	╁┼╴	╫			 			 -		 			├	+
			+	 	++-	╁┼			 		 		ļ	 		 	 -	+
			+		++-	††			-		 		 	 			├	_
			1	1	++	1 1			+		 				 		 	4

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.	CIL-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. NcLaren
LATITUDE	166N				- <u>- </u>	STARTED	July 12/84	CLAIM	Golden Lion 2
DEPARTURE	88E					COMPLETED	July 13/84	PURPOSE	

INIER		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AI	T				ASSAY	S					1 1	RECOV
rom	То		Z		AS	3 P	SAMPLE	FROM	OT	LENGTH	Au	Ag		1		RI	N
0.0	9.1	Casing			П									ļ			9.1
					П	\prod											12.5
9.1	22.4	Orange-grey feldspar hornblende tuff with strong argillic	5	He	S	\prod											15.2
		alteration			Π	П											17.3
		-feldspar phenocrysts are well altered to clay and carbonates			П	П								1			20.4
		and have an orange colour (Fe carbonates?) giving the dom-			П	П								1	1		23.5
		inant rock colour			П	П											26.5
		-also black hormblende crystals, minor quartz and dissemin-			П	П								 			29.6
	ļ	ated hematite			П	П								 			32.6
		-all set in grey, fine tuffaceous matrix			П	П					1			1			35.7
		-locally feldspar phenocrysts become green and no longer fizz			П	П								 			38.7
		under dilute (montmorillonite alteration), particularly			\prod	П					1.			 			41.8
		at 13.5-14.0 HCl 19.8-20.2			П	П								1			44.8
				I	П	П			-						 		47.9
		12.2-12.5: clay gouge			S	П								†			50.9
					IT	П					†			+	tt-		53.9
		14.7-15.2: clay gouge with quartz veining			SN	1	2832	14.5	15.5	1.0	0.010	0.09					57.0
		-moderate orange silicification around quartz veins, 1 cm			П	П								 			50.0
		wide			П	П								 			53.1
					П	П											56.1
		17.3: clay gouge 4 cm wide			s	П											56.7
					П	П				:							57.6
		18.0: clay gouge 5 cm wide			S	П									1		9.2
					П	П								1			72.2
		19.6: 6 cm breccia zone with calcareous matrix			П	П								 			75.3
					П	П					1			 			78.3
					\coprod	\prod								†			78.3
					П	Т								 			4.4

	PROJE	CCF: COLUEN LION HOLE: GL-84-3 NE	MON	T EXPLORATION	OF	C/	WADA LI	MITED				PAGE	NO: 2	!				
INIER		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AI	T.				ASSA	ćS						RECO	YUNTO
rom	To		1%		AS	SP	SAMPLE	FROM	TO	LENGTH	Au	Ag	1	T		Τ	RUN	Ŧ
		20.7: green montmorillonite alteration of rock (mainly	T		11	\top			1		+		 	╅───	+	┼──	NAT	┿
		feldspars) becomes dominant for remainder of section	1		\top	Н		· · · · · ·	 	 -	+	 	 	+	+	 	├──	╁
			1		т	П			 		+	 		 	+	 	 	┿
		21.2-21.6: sharp contact @ 45° with strongly bleached and	1		\top	\forall	2833	21.0	22.0	1.0	0.012	0.09		┼	+	 		+-
		silicified section	1		#	\top			+ =		10022	0.03	 	+	+	 	├──	+
		-green feldspars and remnant tuffaceous texture still visible	:	1	11	+			+	l	+	ļ	 	+	┼	├──	├ ──	4
		-weakly calcareous	1		††	11			 -		 	 		 	+	 		╄
		-trace hematite	_		††	11		<u> </u>	 -		+	<u> </u>	 	 	┼	├	├ ──	+
		-grades back to grey-green tuff	1-		11	+			 		+	ļ	 	 -	+		├	4
			 		11	$\dagger \dagger$			 -		+			 	┼			4
		22.3: clay gouge seam	┼	 	s	╁┤					 			<u> </u>	↓		<u> </u>	╀
			+-		#	╁┥					 		ļ	-	↓		L	T
.4	27.0	Silicified breccia with hematite matrix, cut by quartz veins	4	He	110	ss					 					 '	<u> </u>	T
		-fragments of bleached, silicified and potassic altered	1 2	Py	++°	" " 			 		4			ļ	┷—	L		L
		feldspar tuff (above)	tr	Ga	Н-	┿╅					 			ļ	 	<u> </u>		L
		-matrix is fine grained, purple and hematitic	tr	Ac	₩	╁┼			ļ		ļ			ļ		<u> </u>		L
		-silicified sections show pale green-orange fragments and	+	<u> </u>	╁┼	++					_			<u> </u>				L
		matrix cut by quartz veins	 	 	╂╂	╁╁											L	L
		-pyrite, hematite disseminated throughout	-	 	╂┼	₩					 		<u> </u>	<u> </u>				L
		-traces of galena and acanthite in veins and fragments	┿	 	╁┼	₩					 				<u> </u>			L
		-veins not well bounded, but do show multiple fracture	-		₩	₩					ļ		<u> </u>	<u> </u>	 '	L		L
		directions	 		++	╁┼									<u> </u>			L
			├		╁	╁┼								L	<u> </u>			L
		22.6-23.0: strongly silicified grey	╁─		s	++	2834	22.0	22.0		1			ļ	<u> </u>	 _		L
$\neg \neg$			-		13	++	2034	22.0	23.0	1.0	0.10	1.61		L	 _'			L
		23.1: vuggy quartz vein @ 65°			Н-	╁┼									<u> </u>	LJ		L
			-		╀	++		·								LJ		L
		25.5: breccia becomes finer with more tuffaceous matrix but		he	М	++	2835	22.0	1 25 0									L
		still has hematite and pyrite and is moderately siliceous		py	"	╁┼	2033	23.0	25.0	2.0	∠0.003	0.28						
		pyrace and to montactly sillogous		H2	₩	╁┼		·										Γ
		25.7: clay gouge	┝─┤		s	╁┼	2836	25.0	1		1							Γ
		——————————————————————————————————————	\vdash		2	ш	2030	25.0	26.0	1.0	€0.003	0.26		1		T	7	Г

INDEXIVAL GEOLOGICAL DESCRIPTION MIDERALIZATION ALT ASSAYS From TO 83.4: 2.5 cm carbonate with breecia @ 35* 84.4 DED OF HOLE 84.4 DED OF HOLE 85.4: 2.5 cm carbonate with breecia @ 35* 85.4: 2.5 cm carbonate with breecia @ 35* 86.4 DESCRIPTION ALT ALT BENCH TO LONGTH AU Ag I I I I I I I I I I I I I I I I I I	RECOVE
83.4: 2.5 cm carbonate vein breccia @ 35°	RIN
84.4 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	98.1 m	HOLE NO.	GL-84-4 i
LOCATION	100n 85e	collar	220°	-45°	Сощревя	CORE SIZE	BO	SHEET NO.	1 of 9
ELEVATION	1879 m	98.1		-47°	Acid	TOTAL RECOVERY	97%	TOCCED BA	G. McLaren
LATITUDE	95.6N					STARTED	July 14/84	CLAIM	Golden Lion
DEPARTURE	78.4E					COMPLETED	July 16/84	PURPOSE	

4 277 Laver INTERVAL GEOLOGICAL DESCRIPTION MINERALIZATION | ALT | ASSAYS RECOVERY From To A S P SAMPLE FROM LENGTH Au RUN Z 10.0 Casing 10.0 cas 11.3 100 10.0 Grey feldspar-hornblende tuff, weak-moderate argillic 14.3 90 16.8 88 -coarse feldspar phenocrysts varying from green montmoril-19.8 105 lonite alteration to yellow-orange carbonate-clay alter-20.4 95 ation 23.2 95 -medium hornblende crystals 26.5 88 -all set in a grey, gritty matrix 29.4 100 white carbonate fracture and matrix fillings locally 32.0 100 35.0 103 11.6: grey quartz vein 1 cm wide @ 45°, within bleached 36.3 85 zone 8 cm wide 39.9 88 43.0 100 13.0: 1 cm clay gouge 46.0 100 47.9 100 14.3: 10 cm clay gouge 50.9 100 54.0 100 14.6: 1 cm clay gouge S 57.0 100 60.0 103 17.0: 20 cm clay gouge with carbonate veinlet @ 30° s 2848 17.0 18.0 0.006 0.17 1.0 63.1 100 66.1 100 18.9: quartz-carbonate veinlet + bleached zone 6 cm wide 69.2 100 @ 30° 72.2 84 75.0 90 20.0: becomes purplish and hematitic locally he 95 76.8 77.4 85 23.8-24.0: quartz vein/breccia @ 90° 78.3

		Text				ANADA LID						NO:	2				
MIEK		GEOLOGICAL DESCRIPTION		ERALIZATION					ASSAY	S						RECON	ÆR'
rom.	To		Z		A S I	SAMPLE	FROM	10	LENGIH	Au	Ag		T		F	IN	;
24.0	29.0	Fault Zone			Ш											81.1	1
		-intense shearing, clay alteration and clay gouge zones with-			S				[84.1	ī
		in feldspar-hornblende tuff			\prod								T			87.2	ī
					Ш											90.2	
		25.0: 6 cm grey quartz wein within clay gouge with dissemin-		ру		2849	25.0	26.5	1.5	0.010	0.83			 		92.0	_
		ated pyrite, chalcopyrite, acanthite, galena(?) hematite		сру									 	+		95.1	1
				88									-	 		98.1	H
				ac	\Box	 				 		 	 	 		===	H
					111							-	 	 			۲
		25.2: 5 cm grey quartz vein as above		he	 	 		 				 	 	 			H
					HH	 		 					 	╂╼╼╾┥			۲
			 		+++	 					 	 	}				۲
		25.0-26.5: grey green silicified zone within the clay		ру	М	 							 	├ ┤			۲
		alteration with disseminated exhedral pyrite cubes	\vdash	19	 	 		 					 	├ -			۲
		The state of the s	1-1		-	}	<u> </u>						 				L
					┝┼┼					ļ			 	├			L
			┝╌┤		HH	 		ļ					ļ	 			L
9.0	35.0	Porphyritic feldspar-hornblende tuff	3	He	+++	 							<u> </u>				L
		-varies from grey-green to limonitic brown stain	1-1	.E	HH		<u> </u>						<u> </u>				L
		-hematitic			+++							<u> </u>		├			L
		-carbonate matrix filling locally	-			ļ							ļ	\vdash			L
		Caronice and a string fixally			┝┼┼							<u> </u>					L
		32.0-33.0: strong bleaching and clay alteration	-		8	2050	20.0	1						<u> </u>			Ŀ
-		-some silicification				2850	32.0	33.0	1.0	<0.003	0.01		L				L
		-irregular carbonate veinlets			W	 		-		ļ							L
	· · · · · · · · · · · · · · · · · · ·	Troughant Caronible Veninets	-	· · · · · · · · · · · · · · · · · · ·	H	 	<u> </u>		المستحدث المستحدث	<u> </u>				oxdot			L
		33.2: 5 mm carbonate vein @ 30°	-		H +								<u> </u>	LI			L
-+		SOLL 5 ME CALDURACE VEHI (- 3)			H	<u> </u>		L						11			L
		35.0: 5 cm clay gouge			H						·		ļ]	L
		22101 2 CH CIRA KORE	\vdash		H +	 		ļl									L
			1						L	1		}		1			ſ

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		CT: COLUEN LION HOLE: GL-84-4 NE	JA 8.41.		va.	CHAIN	arit 1120				PAGE	ю.	3					
INTERV	AL	GEOLOGICAL DESCRIPTION	MI						ASSA	YS						RECO	COVER	
rom	То		X		AS	P SAMPL	FROM	TO	LENGTH	Au	Ag		T		T	RLN	Т	
35.0	36.3	Fine grained brown tuff, strong argillic alteration	1		S	1		1				1	T	1	1	T	†	
		-brown feldspars and minor quartz set in a very fine matrix	1		П	1						1		1	 	 	t	
		-clay gouge zones			П	1		1	1	1			1	1	1	_	t	
		-carbonate veinlets										1	†	1	 	 	t	
			<u> </u>		Ш	T						1		1		\vdash	t	
		36.3: finish with 15 cm clay gouge zone												1		1	t	
 	00.0				Ш												Ī	
36.3	38.2	Intensely silicified vein and breccia zone	↓	Py	S	<u>s</u>			<u> </u>					I			Γ	
		-country rock is intensely silicified, potassically altered		Сру	Ш								I				Τ	
		and bleached to grey-buff colour with only remnant tuff-	1	Ac	Ш			1						T		T	T	
		aceous textures			$\Pi\Pi$			T				1	1	1			T	
		-cut by multi directional quartz veining, usually less than	T		Ш											†	t	
		1 cm and non-banded, but contain some breccia fragments			ПП								1	†		 	t	
		-locally veins swell to 2 cm			\prod			1				1		1	 	1	t	
		-pyrite weakly disseminated through the siliceous host	T	20.2	Ш			T		1				1	1	1	t	
		-pyrite, chalcopyrite, acanthite in veins	T		Ш								1	+	 	 	t	
		-some veins very dark grey	12.	1.5	$\Pi\Pi$							†	—	1	1	 	+	
		-veins tend to be @ 35° or less		4.7		T								+	1	†	t	
		minor, very thin carbonate veinlets			Ш												İ	
		36.3: 12 cm zone of brecciation veining and dark grey vein	 -		H_{a}	8 2851	36.0	37.0		0.000	0.33	ļ		ļ		$oxed{oxed}$	Į	
		mineralization - pyrite, acanthite	+-	py ac	╀┦	1,707	30.0	3/.0	1.0	0.008	8.71	 	 	——	-	-	+	
		-mineralization drop quickly after this vein is passed	+-	<u>a</u>	+++			+	 	 		 	ļ	┼	ļ		╀	
			+	 	Н	+				-	 -	 	┼	┼	 		+	
			1		 	+		+	 		l	+	+	+	 -	 	╁	
								 	 	+	<u> </u>	 	+	+	 	 	t	
					Ш									1			t	
\dashv		37.6: intense veining ends, passing into silicified breccia	1	he	8	s 2852	37.0	38.0	1.0	40.003	0.98						Ι	
		zone with bleached fragments of tuff	4-		Ш	1											Ι	
		-feldspars are dark green	1		Ш												Τ	
		-more carbonate veinlets -matrix is brown-purple with some disseminated hematite	1_		Ш		L				1			T	1		Τ	

	PROJE	CT: COLDEN LION HOLE: CL-84-4 NEX	MONT E	EXPLORATION	OF	OF CANADA LIMITED PAGE NO: 4										
INIER	VAL	GEOLOGICAL DESCRIPTION	MINE	RALIZATION		T ASSAYS										RECOVE
From	To		7		AS	P SAMPLE	FROM	TO	LENGTH	Au	Ag		1	T	F	UN
		-sharp basal contact with a fragmental rock of variable			П	—	1			 				++		=-+
		silicification			Ш					†				 		-+
					П					1			 	 		
					П	1								+		
				-	Π					——			 	1		
					\Box	 	<u> </u>			+			 	+		-+
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			TTT	1	 			1			 	 		
		-soft green montmorillonite alteration of feldspars			Π	2854	39.0	40.0	1.0	<0.003	0.20		 	 		
					111	+				1				 		
40.0	57.0	Feldspar-hornblende lapilli fragmental tuff with variable			MM	M				+			 	 		
		silicification, bleaching, potassic and clay alteration					 			1				+		
		-large phenocrysts of feldspar and hornblende and some			 	+	 			 			 	} 		
		lithic fragments distributed throughout			† † †		 	<u> </u>		+			 	┼		-+
		-feldspars tend to be partially altered from pink to bright			111	+		l		 				+		+
		green to olive		· · · · · · · · · · · · · · · · · · ·	111	 	 	 		1				++		
		-matrix variably bleached from grey brown to pale pink,			\Box	 	 			+				 		
		usually associated with quartz carbonate veining			Π	 				 				++		-+
		-silicification varies irregularly throughout as well			111	2855	40.0	41.0	1.0	<0.003	0.16			+		-+
					†††		1	1		1-01005	0.10		 	+		
		41.3: quartz veinlet 8 mm wide with disseminated acanthite	а	ic .	\Box	2856	41.0	42.0	1.0	0.008	0.45			1		
		(?) within bleached zone showing weak siliceous breccia @ 55°	P	7 y	Π					1			 	++		-+
				*	\Box					 			 	++		
						 				1			 	 	+	-+
							 			1				 		-+
		-disseminated pyrite	P	y	$\Pi\Pi$	1				T			 	++		-+
						1			- 1	1				1		
		42.4: 8 cm veinlet, simlar to 41.3			s	2857	42.0	43.0	1.0	0.008	1.17			 		-+
				1. 1.	Ш				·				 			$\neg +$
					Ш									 		
										† <u>-</u>				 		-

INTERVA	· · · · · · · · · · · · · · · · · · ·	GEOLOGICAL DESCRIPTION		T EXPLORATIO				-				PAGE 1		5				
	To	GOLLGICAL DESCRIPTION		NERALIZATION						ASSAY	rs .						RECO	Я
-	10	/F 6	X		AS	P	SAMPLE	FROM	100	LENGTH	Au	Ag		T	1	1	RUN	1
		45.6: grey hematite-quartz veinlet @ 70°	 	he	8	Ш	2858	43.0	44.0	1.0	< 0.003	0.08				 	1	i
		45.5: unit becomes a coarse fragmental locally, initallly	+-				2859	44.0	45.0	1.0	<0.003	0.12				ļ]
		with quartz (not carbonates) filling open spaces	1	<u> </u>	++*	1	- 2000		40.0	1.0	20.003	0.12	<u> </u>				↓	4
		-fragments continue to end of interval	+-		++-	╂╂	2860	45.0	46.0	1.0	0.010	1.85					├	4
			1		7	††			10.0	1.0	0.010	1.0		 	┼	 	 	4
						П	2861	46.0	47.0	1.0	<0.003	0.32		+	 	 	┼	d
		/F 0 /F 0	1		Ш	П								1	†		†	1
		45.8-45.9: quartz veining and breccia, dark grey with acanthite (?)	ļ	ac	8	Ц	2862	47.0	48.0	1.0	<0.003	0.2			1		<u> </u>	1
		acanditie (!)	-	 	+	Н												1
			-			₩												1
			 		-+-	₩												1
		48.1: bleached fragment contains a thin veinlet of	+	ac	++	s	2863		70.0		-							I
		acanthite (does not extend outside fragment)	+	a.	 *	바	2003	48.0	49.0	1.0	0.006	1.43		 -	<u> </u>			I
			+		++	H								 	ļ		 _	1
		48.5: 3 mm quartz vein with acanthite @ 30°		ac	B	Н					 			 	 		 	1
					╅	H					+			 -	 			7
					11	T					 			 	+	 	 	4
		70.0				П				······	 			+	 	 	<u> </u>	1
		48.9: quartz vein, minor brecca with chalcopyrite, pyrite, acanthite		ру	8	\prod								 	+		 	1
		araminte.	-	ac	$\bot\bot$	Ц								 	†	 	 	1
			\vdash	сру	44	Н											<u> </u>	t
						Н												t
		49.3: quartz vein with dense accumulation of acanthite,	╁	Ag(?)	++-	╟┼	2864	49.0	<u> </u>	- , ,								Ī
		native silver(?), pyrite, and galena, 5-6 mm wide @ 65°	1	Dy Dy	++	╁┼	2004	49.0	50.0	1.0	<0.003	4.4			<u> </u>			I
			1 1	ga	+++	H					├			 				1
]		\Box	-	111	\vdash			+		 			 -	 	 		1
					+++	+					 			 	 		├ ─	ļ
					+++	+			+		├			 				1

	PROJ	CCT: COLUMEN LICON HOLE: CL-84-4 N	LAK KA	T EXPLORATION	CAL.	LA.	WILH LIE	u i i				PAGE	NO: 6					
INTER		GEOLOGICAL DESCRIPTION	_	NERALIZATION						ASSAY	S						RECO	VER
From	То		Z		AS	P	SAMPLE	FROM	TO	LENGIH	Au	Ag	7	Т	T	Τ	RIN	
		49.9: good quartz-carbonate breccia	1		П	П						1	†		+	 		+-
	<u> </u>	-dark grey quartz and later stage calcite filling vein				П						 	+		+		+	+
	1 1	-considerable pyrite	T		Ш	П			†		 	 	+	+	+		┼	╀
		-vein @ 10°	1			\sqcap			 		 	 	 	+	┼	 	├	╄
			†			П						 	 	+	}	 	┼	╁
						H				 		-	+	+	 	 	 	╀
					Н	11			 		 -	 -	+	+	 	 	┼	╄
		49.5: quartz-carbonate vein @ 45°		†		H			 				+	+	 	 	├──	+
			1		Н	Н						 	 			ļ		+
		50.6: quartz-carbonate veins @ 25° and 60°				1						 	 -	+			—	+
			+-	†	H	Н				ļ			 	 	ļ			1
		51.0: End of silicified and mineralized zone	 	1	n w						<u> </u>		 		 		—	1
		-no bleaching, less veining, potassic alteration weakens	+		-	+						 _	 	 		ļ	↓	1
		-veins become much more carbonate rich	+		++	\vdash							ļ		ļ		<u> </u>	⊥
		-host rock is still a lapilli fragmental tuff as before,	+-		+	+					<u> </u>					<u> </u>		T
		with brown-purple matrix	+	-	+	+			ļ			ļ	<u> </u>		L		<u> </u>	1
		-green montmorillonite alteration of feldspars	+	 		H							<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	1
			+	 	+	+							<u> </u>		<u> </u>			Ι
		53.5: 2 cm white quartz vein @ 60°	+		+	4							<u> </u>					Ι
			+-		++	+						<u> </u>	<u> </u>	1	1			Ι
		54.5: quartz-carbonate vein @ 25°	┼─		\dashv	+												Ι
		The state of the s	 			-								<u> </u>				Γ
		54.9: carbonate vein @ 45°	+		++	+												Ι
			+			+									<u> </u>			Τ
		57.0: quartz-carbonate vein @ 0°	┼		++	+							<u> </u>					Ι
			+	 	+	+												Ι
.0	59.8	Fine grained, greenish brown feldspar crystal tuff with weak		He	w	+							<u> </u>		<u> </u>			Ι
		argillic alteration	I LE	ne	w	+							1					Γ
		-feldspar phenocrysts generally altered to sale amon	 		++	+												Γ
		-feldspar phenocrysts generally altered to pale green, with a few altered hornblende crystals, set in a very fine	-	1		4												Γ
		bleached matrix	-		++	4												Γ
			-		44	Ш.			[Г

INIER	7A1	COLOCIAL PRODUNTAL	1				·											
Prom	To	GEOLOGICAL DESCRIPTION		NERALIZATIO		LT	ļ	<u> </u>		ASSA							RECO	NER
rion .	10	1 26 0 5	1 %		A	SP	SAMPLE	FROM	TO	LENGIH	Au	Ag	L			1	RUN	Т
		26.0: 5 mm quartz vein @ 35°	_	 -		\perp									I	T		T
				ļ	\dashv	1												Т
		26.1-26.3: strong silicification and quartz veining with		ру	\dashv	S	2838	26.0	27.0	1.0	<0.003	0.48	<u> </u>					Т
		pyrite			$-\!\!\perp\!\!\!\perp$				<u></u>									T
					\perp												T	Т
		26.6: 10 cm green clay gouge			\perp											T		T
					\perp								1			1	1	T
		26.8: moderate silicification, breccia and pyrite, grades		Py	$\perp \perp$	M									T		1	T
		into grey tuff			\Box								T	T	T			T
7.0	70 (<u> </u>											1			T
27.0	73.6	Green-grey, feldspar-hornblende tuff, montmorillonite		L		<u>. L</u>					T				1	1		t
		argillic alteration		<u> </u>	\perp										—		 	t
		-green feldspar phenocrysts in a fine, clay-altered matrix			М	\perp					1		i	1				t
		-varying colour reflects varying intensity of alteration		L	_ []						T			T		 	<u> </u>	t
		-minor irregular carbonate veining and brecciation		<u> </u>		\perp					1		T		1	†	1	t
		-grain size varies from medium to fine but general textures												T				T
		remains similar throughout															 -	t
					\Box										 	 		t
		31.6: fine fractures with limonite alteration @ 45°			$\Box \Box$													t
		200	┵		\Box										†	—		t
		32.6: carbonate veinlet @ 45°		1 22	Ш												<u> </u>	۲
-				<u> </u>	\Box	\Box												t
		33.1: " " "				\perp										—		t
		7/ 1			\Box	П												T
		34.1: " " 10"	┵		$\perp \downarrow$	Ш												Т
		35.0: " " 0°	4		$\perp \downarrow$	Ц]				T
		J.0: U		<u> </u>	\dashv	Щ												Γ
		37.0-43.0: numerous fractures, veinlets and breccia zones			$\dashv \downarrow$	44												Γ
		with carbonate fillings	+-			11	2839	37.0	38.0	1.0	0.006	•03						Γ
		-locally stockwork developed			- 1 - 1	1 !			i T					1				Т

	PROJEX	CT: GOLDEN LION HOLE: GL -84-4 NE	MON	C EXPLORATION	OF	CA	NADA LIM	ITED				PAGE 1	10: 7	1				
INTERV	'AL	GEOLOGICAL DESCRIPTION	MI	VERALIZATION						ASSAY	S						RECO	VER
From	То		Z		AS	3 P	SAMPLE	FROM	TO	LENGTH	Au	Ag					RUN	7
		-irregular bleaching and staining from pale green to brown			TT	Π												
		to purple			TT	П								1				
		-very fine fractures can develop stain selvages 2 cm wide			П	TT								1			—	
		but x-cutting larger veinlets produce no alteration			П	П							-	1	1			1
		-trace hematite			П	Π								1	†			
														T	T			
		57.2: carbonate veinlets with dark purple alteration			TT	П	2865	57.0	58.0	1.0	∠0.003	0.06						
		selvages @ 25° + 65°			11	Π			1									
					11	1												Ì
		57.4-58.2: carbonate veins @ 40-50°			11	\top								†	<u> </u>			┪
					11	\mathbf{H}								†				⇈
		58.6-59.0: zone of thin (5 mm) grey quartz and quartz-		сру	11	\top	2866	58.0	59.0	1.0	<0.003	0.10		+	 	-	 	┢
		carbonate veins locally containing distinct grains of chalco-		mal	71	11								+	 		\vdash	╁
		pyrite and traces of malachite			11	11			 		 			+	 		 	┢
		-weak silicification of host			11	11								 	 	 	 	╁
		-well fractured			\top	77			t		1			+	 	 	 	+-
		-vein/breccia up to 15 cm wide			11	\mathbf{H}			1					+	 	 	 	+-
					71	11			 		-			+	 	 	 	╁
					11	\mathbf{T}					 			+	 		 	╁
						11					——			1	 		†	_
		59.6: carbonate vein @ 45°			\top	T										 	 	_
					11	Π								 	 	 	† · · · · ·	┪
59.8	72.2	Grey-purple lapilli/fragmental tuff with moderate argillic	4	He	М	\mathbf{H}								 	 		 	┢
		alteration			11	\top								 	†		 	┢
		-coarse feldspar phenocrysts from white to altered green,			11	+					 			+	 	 	 	\vdash
		with finer hornblende phenocrysts set in a fine tuffaceous			11	11					 			+	 	 	 	-
		matrix			+	##								+	 	 	 	┪
		-fragments of same tuff, up to 5 cm across		100	\top	\top								+	 		 	H
		-clay alteration varies considerably, often strong in frag-		19 19	11	\forall	77.7				†			 	$\overline{}$	 	 	1
		ments			11	\forall								 	 	<u> </u>	 	\vdash
		-disseminated hematite varies with purple colour			11	11					1			+	 			1

	PROJE	CT: COLUMN LION HOLE: GL-84-4 NE	WHON.	r exploration	OF	CANADA	LIMITE	D				PAGE 1	NO:	8				
		GEOLOGICAL DESCRIPTION	MI							ASSA	YS						RECO	VER
ron	To		1 %		AS	P SAME	LE F	ROM	TO	LENGTH	Au	Ag		T	T	T		T
		60.8: carbonate vein @ 45°												1	1	 		t
														1	1			T
		61.0: quartz carbonate vein breccia, 15 cm, @ 45°	1															t
														T				t
From To 60.8: carbonate vein @ 45°	T																	
From To 60.8: carbonate wein @ 45°			t															
					oxdot													T
		no veining	1											1				T
														1				r
														1	1			1
		still fragmental	L											1			1	r
					Ш									1				T
		69.2, 69.5, 69.6: clay gouge seams			8									1				T
														1				r
		70.0: back to lapilli size crystals			Ш	2867	7	1.0	72.0	1.0	<0.003	0.18						Г
	70.1		-		Ш													Γ
63.1: 5 cm clay gauge 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 gauge seams 6 9.2, 69.5, 69.6: clay gauge seams 70.0: back to lapilli size crystals 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	Γ																	
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 70.0: back to lapilli size crystals 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 (?)		Ш													Γ			
.2 79.1		similar turn to the overlying but liner grained grey	1		Ш	4												Γ
					Ш													Г
			\vdash		Ш	-								<u> </u>	1			
		rea Actin	-		Ш				 		1						L	Ĺ
		74 7: irrorular uning of onfe alive relies of the	1		Ш	1 0000		, _			1							Ĺ
		7 Triegular verils of soft office yellow clay (!)	┥		+	2868		4.0	75.0	1.0	≥0.003	0.04	<u> </u>	1	1			
		75.8-76.7: upakly altered every tuff	+1		┝╂┩				<u> </u>		1		L	<u> </u>		ļ		L
		1310 1017. Marry attered grey tutt	+		┝╫┩		 _		 					 	 '			L
		76.8-77.5: clay alteration and gouge seams	\vdash			 					-			 		<u> </u>		\perp
		THE PARTY CAMP STREET, CAMP STR	+		8				 				ļ	 	 _			L
		78.3, 78.5, 79.1: clay gouge seams	+		+				 					 		 		L
+		south the south south	┤┤		8	+			 	·			ļ	ļ	 '	<u> </u>		L
-+			+		44	4			L				l	1	1 '	l '	i '	1

INIER	'AL	GEOLOGICAL DESCRIPTION	I Mu	NERALIZATIO	W A	TT				1000								
rom	To	district Market Her	Z				SAMPLE	FROM		ASSA							RECO	NE
		39.2: carbonate veins @ 35° cut by veins @ 80°	- ^	 	- ^	5 P	SAMPLE	FROM	10	LENGIH	Au	Ag	├ ──	ļ			RIN	L
		-traces of disseminated pyrite in host rock	tr	ру		+		ļ	 				↓ _	 _				Ι
		The state of the s		- P7		+		 	├ ──			<u> </u>	——	<u> </u>				L
		40.0: 5 mm carbonate veinlet @ 10°		 	-+-			 	 		 	<u> </u>	├	<u> </u>	↓			L
				 		+					 	 			 			┸
		40.4: carbonate veinlets @ 80°		 	-++	\dashv			 				 	 	┼			Ļ
				 	-++	┰			∤ i				├ ──	 	 	├		Ŧ
		41.7-42.8: carbonate vein 6 90°			\dashv	+	2840	41.0	42.0	1.0	0.006	.05	-	┼	 -			ļ
				 	-11	-1-1		72.0	1	1.0	10.000	.00	 	 	+			Ŧ
		43.1-43.3: 1 cm carbonate vein @ 10°		 	\dashv	\dashv			 		┼──		 	+	 			Ŧ
				†	++	+1			+		 		 	+	 			Ļ
		43.8: fracture zones, carbonate veinlets @ 80°				11			1		}		 -		 			Ŧ
				i	-++	-1-1			+		 		 	 	┼ ──-			Ļ
		44.6: 1 cm carbonate weinlet @ 10°				++					 		 -		 			ŀ
					71	++			+		+			 	+	 		Ļ
		46.3: three 1 cm carbonate veinlet @ 40-60°			+1	\top			+		+		 	 	 			Ł
						77			+		+		 	 	 			⊦
		47.9: carbonate veinlet @ 45°				77			1		+	·	 	┼	+			ŀ
					\Box	\top			1		 			 	┼			ŀ
\rightarrow		48.2: 1 cm carbonate vein/breccia @ 45°			\Box	Π	2841	48.0	49.0	1.0	0.012	.11		 	+			H
		70 F 70 C			$\Box\Box$	\prod						1		 	1			H
-+		48.5-48.6: breccia zone with carbonate matrix			Π	\coprod								 	 			H
		50 (50 0.	\dashv		\perp	\coprod								 				۲
		50.6-50.9: shear zone, intense clay alteration	_ _		S	\perp								<u> </u>				r
		52.0-52.4: shear zone, intense clay alteration			-11	Ш												٢
+		2.0 2.11. again zone, incense chay afteration			S	44											$\neg \neg$	Γ
-+	+	54.4-54.6: breccia with quartz-calcite matrix and clay		<u> </u>	-+-	44												Γ
		gouge; trace pyrite	tr	РУ	-44	++	2842	54.0	55.0	1.0	<0.003	0.08						Γ
-		e-e-) pyrice			-++	11			$oxed{\Box}$		ATTACE OF						$\neg \neg$	Γ
-		55.4: 1 cm carbonate vine @ 35°			\perp	41		<u> </u>	L							$\overline{}$		۲

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INTER	TAT						CANADA LI	MILED				PAGE	NO:)				
		GEOLOGICAL DESCRIPTION	MI	NERALIZATION		ALT				ASSA	YS						RECO	OF REAL
From	To		1 %		A	SI	SAMPLE	FROM	10	LENGTH	Au	Ag	Т		т			
		59.1: breccia with carbonate matrix				П	1	† 			+ -	'''8 -	┼──	+	+	+	RUN	+
	ļ					П					+	 		+	+-	┿	┼	+
	 	60.0: many fractures and carbonate micro-veinlets			\Box	П	2843	62.0	63.0	1.0	≥0.003	0.12	+		+	+	+	┿
					Т	П					1		 	+	+	+	┼	+-
		64.2-64.4; breccia with carbonate matrix				П					1	<u> </u>	 	+	+	+	+	+-
		66 F 70 0							1		1		┿╾╌	+	+	+	+	┿
		66.5-70.2: considerable breccia with carbonate matrix				П	2844	67.0	68.0	1.0	≥0.003	0.10	 	 	+	 	+	+-
		(0.0			Т	T			1			0020	+	+	+	+	+	┿
		69.0: becomes strongly hematitic with reddish staining					2845	68.0	69.0	1.0	0.006	0.09	 	+	+	 	+	┿
		70 ()			П				1		1 3330	- 0103	 	+	+	 	+	╄
		72.6: 1 cm carbonate vein and clay gouge @ 80°			$\neg \neg$		2846	72.0	73.0	1.0	0.003	0.20	 	 	+		 	╁-
					\Box		1				1 0.005	0.20	 	 -		 	┼	╀-
		Gradational contact as grey tuff becomes more clay-altered			\top	\top	<u> </u>		 		 		 	 	+	ļ	┼	╄
		and hematitic			11	_			 		╁		├	+	+	 	 	╀
3.6	7/ 0				71						-		├	 	+	 	├	┼-
3.0	74,9	Purple, feldspar crystal tuff with strong argillic alteration	8	He	s	1	2847	73.0	76.0	1.0	0.008	0.12	 	 	┼		—	╄
		-considerable disseminated hematite			77	\top			1.0.0	1.0	0.006	0.13	 	 	┿—	ļ	 -	Ļ
4.9	35 5				11	+			 		+		}	 	┼	_		╄
4.9	75.5	Shear zone in feldspar tuff with intense clay alteration and			s	\top			 		 		 	+	┼	 	<u> </u>	╄
		minor irregular quartz veining			11	\top			 		-			+	┼			╀
5.5	75.8				\top	T					 				 		 	╄
"	73.0	Green, siliceous feldspar tuff	2	Py	77	s			 		 			 	┼	 	 -	╀
		-silicification adjacent to the above shear zone			77						 			 	┼	 	 -	╄
		-chloritic alteration of matrix			П						1			+	├	 	 	╀
		-disseminated pyrite			TT				 		 		 	+	 	 	 	╀
.8	84.4	Cross-owner suff with 1111			Π						 				 	 	 -	⊬
-	071.7	Grey-green tuff with weak argillic alteration			W									+	├	 	 	⊬
		-return to same feldspar tuff as in previous thick section			\prod	\Box					1		 	 	 		┝╾┯	⊢
		but without the strong carbonate stringers and alteration seen at the base of that section				$oxed{\Box}$					 		<u> </u>	+	 		 	-
		seem at the tase of that section			\prod	\prod					 			 	 	 	 	-
-+		78.5-78.6: shear zone, clay gouge			\prod	П					 			 	 -		 	-

						·									· · · · · · · · · · · · · · · · · · ·		
	PROJE		SWONT E	XPLORATION	Œ	CANADA L	CETIM				PAGE	NO:	9				
NIEKV		GEOLOGICAL DESCRIPTION		MOTTAXLIA					ASSAY	S						RECO	VER
om	To 98.1	C 6-11	Z			P SAMPLE	FROM	70	LENGIH	Au	Ag	<u> </u>				RIN	T
***	20.T	Grey feldspar crystal tuff with weak-moderate argillic	+		M		1	ļ									Γ
		-medium to fine grained feldspars (white to pale green) and	+-+		+		 										
		hornblende phenocrysts in fine grey tuffaceous matrix	+-+-		-1-1			<u> </u>		<u> </u>		<u> </u>		<u> </u>			
		intermedia presidenti del minima grey curradecta matrix	+		++		 			<u> </u>		ļ	 				L
		79.7-80.2: fractures and clay alteration with carbonate-	+-+-		8	+	 	 		 	 	 -	+	└ ──			┺
		clay veinlets, many @ 45°	++-		" 	+	 	 				 					╀
			+-+-		++	+	 	 		 		 	┼	 			╁-
	- 1	82.4-82.8: fractures, clay alteration and gouge, carbonate	1-1-		8	+	 	+		 		 	 	-	 		╁
		veins	11		-	+	 	+		 		├	┼	<u> </u>	├──┤		╁
			1-1-		++	 	 	1		 		├		 			⊦
		84.3: 3 cm carbonate vein and shearing @ 25°	1		11	2869	84.0	85.0	1.0	0.006	0.05	├	 -	 -			⊬
					11			1		0.000	0.03	 	+	 			┢
		85.7-86.0: clay gouge and alteration			\Box							1	 				┢
					П												T
		87.1-87.4: clay alteration and green veinlet @ 90°	1-1-														Γ
-		99 0 00 5.	1-1-		44		ļ.,,,,										Γ
-+		88.0-88.5: coarse breccia with carbonate matrix, veins	+		-+-	2870	88.0	89.0	1.0	<0.003	0.06						
-+		Leaf 6 W	 -		-++		 			ļ		<u> </u>	 	لــــــا			L
		89.8-90.2: clay alteration and irregular carbonate veinlets	╁╌╁╌		s	+						ļ	 				L
		Table 1	+		* 	 	 							\vdash			Ļ
		90.7: 1 cm green veinlet @ 45°	 - -		++	┪	 	 				 	┼	 			+
					++	+	 	┼		 		 	 		 		⊢
\bot		91.7-92.0: sheariing @ 45° clay alteration			8	1	 	 		 		 	 	 	 		╁
								†		1		 	 	 			┢
		%.9: carbonate filling in shear zone @ 70-75°			\prod							 	1				\vdash
		97.3: carbonate vein @ 30°			П									\Box			
+		77.3: CALDURICE VEID 6 30	 		44		L										
		98-1: END OF HOLE	I d	E 1	- [1	1.	1		1			1				

NEWHONT EXPLORATION OF CANADA LITO

DRILL HOLE RECORD

PROJECT

-		
COLDEN	LION	

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGTH	181.4 m	HOLE NO.	GL-84-5
LOCATION	500N 140E	collar	030	-45°	Сопрев	CORE SIZE	BQ	SHEET NO.	1 of 20
ELEVATION	1771 =	91.0		-45°	Acid	TOTAL RECOVERY	957	LOGGED BY	G. McLaren
LATITUDE	500.0N	181.4		-45°	Acid	STARTED	July 17/84	CLAIM	GOLDEN LION 2
DEPARTURE	140.0E					COMPLETED	July 20/84	PURPOSE	

INTERVAL GEOLOGICAL DESCRIPTION MINERALIZATION | ALT **ASSAYS** RECOVERY From To A S P SAMPLE TO LENGTH Au RUN % 10.1 Casing 10.1 Cas 10.4 92.0 Brown greybrown massive feldspar porphyry with variable 10.1 5 He WSS 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 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 MEDRES 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

	PROJE	ion. Grov-3	WY.N	T EXPLORATION	OF	CA	NADA LID	AITED				PAGE	NO:	2		
NIER	AL To	GEOLOGICAL DESCRIPTION		NEXALIZATION	A	LT	···			ASSA'	YS				DEN	COVI
Cun	10		X		A	SP	SAMPLE	FROM	10	LENGIH	Au	Ag	Pb	Zn	RIN	
		-subheadings in the following description will highlight			Π	\Box					 			 	76.	
		these differences	L_		П	\Box					1	l	 	 -		:31
		10.1: Weak Potassic Alteration	↓		Ц	Ш									81.	_
		-limonitic stain	ļ		Ц	w						·			84.	
		Immitte statu	<u> </u>		11	44									87.	
-		13.2: quartz-carbonate vein/shear @ 75°	ऻ_	<u> </u>	₩	44									90.	
\dashv		25-21 quartz cartorate verifialear (7)	ļ		Н	Ш									93.	_
		15.0: Moderate Potassic Alteration	Ļ		##	44									96.	
		Dio: Moderate Potassic Atteration	<u> </u>		Ц	М	2871	15.0	17.0	2.0	~0.003	0.12	0.01	0.03	98.	_
-+		15.5: 5 cm quartz-carbonate breccia with strong alteration	ļ		Щ	44									101.	
_		selvage and trace pyrite	tr	ру	Н	44									104.	
\dashv	*	orange and crace pyrice	├		Н	44		·							108.	_
		16.9: 5 cm quartz-carbonate vein @ 0°	<u> </u>		Н	44									111.	
		Sen degree carporate Astri 6 0	 -		₩.	44									111.	
_		20.0: Moderate Argillic Alteration	<u> </u>		11	11									114.	.9
		-feldspars show a green montmorillonite alteration, and	-		<u>m</u>	44									116.	.7
		matrix is soft, contains clays	-		Н	++									119.	8
		-pyroxenes show clay and carbonate alteration	-		Н.	₩									122.	
\neg		The distance are d			Н-	++									124.	.7
		20.0: very fine carbonate veinlets @ 45°-60°			Н-	╅┼									127.	.1
					╁	╅╂					 				129.	8
	1.5	21.2-21.5: thin 1-3 mm veinlets with distinct pink selvages		ac	╫	++	2872	21.0	23.0		0.000	-			132.	
		@ 65 - /5*			╫	╁┼	2012	21.0	23.0	2.0	∠0. 003	0.38	0.01	0.03	135.	
		-minor carbonate veinlets with disseminated fine grey			╁┼	++									138.	-
\dashv		sulphides (acanthite?)			\vdash	 					 				141.	•
					+	11			 -		-				144.8	_
		22.3-22.6: thin fractures with pink selvages and trace			+	††			 		├				147.8	
-+		grey sulphides @ 65-75°			1	$\dagger \dagger$					 				148.7	
-+					+	++	+				 				151.5	_
+		23.0: bleached fracture with carbonate veinlet @ 70°			+	††					 				153.6	
					_	11									156.0	0

			T EXPLORATIO			NADA LII	MITED				PAGE	NO:	3			
INTERVAL	GEOLOGICAL DESCRIPTION		NERALIZATION						ASSAY	rs			· · · · · · · · · · · · · · · · · · ·		 RECO	VER
rom To		Z	ļ	A	SP	SAMPLE	FROM	OT	LENGTH	Au	Ag	Pb	Zn	Τ	RLN	T :
	23.3: carbonate vein/breccia @ 60° also crosscutting fractures with black and hematitic alteration @ 60°	ļ.,		$\perp \downarrow \downarrow$	\perp									† — —	160.6	
	Tractures with black and hematitic alteration (60°	↓		$\bot\!\!\!\bot$	\perp										 163.6	
	25.0: Strong Potassic Alteration	₩	ļ	-44	4								I .		166.7	
	-rock becomes pervasively altered to pink colour, much	┼		- 1791	6 8										169.5	10
····	harder, with intense selvages along quartz veins	۰.	ļ	-+-	Щ										172.5	1
	-well fractured with clay alteration in fractures			-+-	44			<u> </u>							175.7	1
	-quartz veins at irregular angles locally becoming a stock-	├	ļ	-44	Ш								I		178.9	1
	work			-11	\perp										184.4	
	-quartz may be grey-cream-white in different veins	₩-		-+-	44			1		<u> </u>					-	Ξ
	-local disseminated grey sulphides and trace pyrite	-		-++	44			 								Г
	and distributed grey surprises and trace pyrite	tr	ру		44			Ļ				<u> </u>				Г
		├	gr	++	44											Г
	25.8: quartz veins @ 60°			-+-	\mathcal{H}	2873	05.0	1								Г
				+	++	20/3	25.0	27.0	2.0	0.008	0.79	0.03	0.13			
	26.6: 7 cm strongly silicified zone with acanthite	├	ac	++	3 8				<u> </u>	 	L	ļ	1			
	pyrite @ 65°		ac	++*	3 8			-		ļ		<u> </u>	<u> </u>			
				++	++					ļ	L		ļ			
		-		++	╁											
		-		++	╁┤			1					ļ	ļ	 	L
	28.2: thin quartz carbonate veinlets with acanthite	-		++	++	2874	28.0	30.0	2.0	0.008	0.85	0.00			 	_
				++	₩	20,4	20.0	30.0	2.0	0.008	0.65	0.09	0.14		 	_
				++	††					 		 -	 		 \longrightarrow	_
				11	††			 					 		 	
	29.1-29.3: breccia zone, quartz matrix			++	11			 					 -		 	_
				\top	††			1				 	 		 	
	29.3-29.5; quartz vein, silicified zone with pyrite,		py	8	s							 			 	_
	acanthite		ac .	\top	\top								 		 	
	-finish in clay gouge			11	П								-		 	
	-hematite veinlet in fracture @ 40°		he	\top	11					<u> </u>		 			 	_

INIERVAL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	A	LT	Τ			ASSAY	S		·				RECO	CE TO
rom To		7	T	A	SIP	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn			RUN	WE.
	30.0: grey quartz vein 6 80°	7		7	\top	†		+		 	1.35	10	1 441	 	 	KLIN	+
				$\dashv \dashv$	\top	 		 		 	 	 	┼	+		┼	4
	30.7: Strong Argillic Alteration	5	he	s	\top		1	1		+	 	 	+	+		┼──	4
	-distinct green altered feldspar crystals set in a fine			\top	T			 		 	 	 	+	┼		┼	+
	grey-brown matrix	1		$\dashv \dashv$			 	T		 	 		 	 	 	┼─	+
	-hematitic	7		\top	+	 	1	 		 	 		+			├	4
		1		71	十	 	———	+		 	 	 	 	┼──		┼	4
	31.7: Intense Potassic Alteration	\top		$\dashv \dashv$	8 8	1	<u> </u>	 		 		 		 	 	┼	4
	-bright pink feldspars set in a fine pink matrix	\top		77	\top		 	+		 	 	 	 	┼		├	+
		1		\top	+		 	†						 -		┼	4
	31.7: crosscutting quartz-carbonate veins 665° and 45°	1		11	+		† ·	+		 	 	 	 	┼		├──	4
		T	 	77	+		 	 		 	 	 	 			├	4
	32.0: increase in pyrite	3	py	++	╈			 		 	 		 	┼──┤			4
		1		11	\top			 		 	├─			 		 	4
	33.3: 1 cm quartz-carbonate vein @ 65° offset by vein @ 0°	1		11	+	2875	33.0	35.0	2.0	0.006	0.09	0.01	0.03	 		 	4
		T .		11	1			1 33 15		0.000	0.03	0.01	10.03	 		├	4
	34.0-34.1: series of 3 mm quartz-carbonate veins @ 55°		py	11	+			+					 	 			4
	-minor grey sulphides, pyrite	T	gr	11	7			1				_	 	\vdash			+
				11	\top		<u> </u>	 				 	 	\vdash		 	4
	34.3: fractures, fine veinlet @ 45°			П	Т			 					 		, <u>-</u>		+
				77	T			1								 	+
	34.9: irregular fractures with clay @ 55°			\prod	Т						 -		 	 			+
	25.0			\coprod									 	 			+
	35.0: quartz-carbonate vein @ 0°			\prod						 				 			+
				П									 	 			+
- 	35.2: pink calcite fracture fillings			П													t
	25.6. 5			П													+
	35.6: 5 mm quartz carbonate veinlet @ 85°				111								· · · · · ·				+
		$oxed{oxed}$		П	$oxed{\Box}$								<u> </u>				+
	<u> </u>	1 ($\Gamma \Gamma$									 				+

AL GEOLOGICAL DESCRIPTION To 36.5: Moderate Potassic Alteration		(TNFR/															
36.5: Moderate Potassic Alteration			LIZATION						ASSAY	s						RECO	MER
				AS	P S	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn			RIN	Ť
				П	1				1								+
-feldspars are pink but matrix is weakly altered,	commonly	1		П				T	 			<u> </u>					t
a mottled grey due to carbonates		7		П	\top			· · · · · ·		· · · · ·							+
-irregular zones of intense potassic alteration		1		П	1												t
37.2-37.4: intense potassic altertaion		士			s							-				 	ł
37.6: 5 mm quartz veinlet @ 55°		+-		H	\top											<u> </u>	ļ
				Ш	土												\dagger
39.5: pink calcite vein, 8 mm @ 45				H	+												Ŧ
39.8-39.9: quartz-carbonate breccia matrix					丰	2876	39.0	41.0	2.0	0.003	0.08	0.01	0.05				t
40.4-40.7: strong potassic alteration		Py	, 	s	5				<u> </u>	 							Ŧ
	rey quartz			Ш	1			<u> </u>					 				╁
veinlets																	t
		+		H	+-												ļ
/0 0 /1 1 · 5		工			İ												t
sulphide regite and motheratine quarte (20°	у			$\sqcup \sqcup$	-		·										Ι
ampinoe, pyrite and ameniyacine quartz e an		1 81		H	┿												Į
41.4: 5 mm dark grey quartz-carbonate vein @ 60°	plnk	┪—		H	╅╌		·							-			╀
selvages																	t
41.9-42.0: thin veinlets/fractures @ 35-45°					1												F
42.0: 5 mm quartz-carbonate vein with acanthite	n a clay	ac		g	F												ļ
altered shear zone @ 45°																	H
42.6: clay altered fracture zone @ 50-70°		+-		m	+-												Į
	40.4-40.7: strong potassic alteration silicification with pyrite disseminated through go veinlets 40.9-41.1: 5 mm quartz-carbonate veinlet with gre sulphide, pyrite and amethystine quartz @ 80° 41.4: 5 mm dark grey quartz-carbonate vein @ 60°; selvages 41.9-42.0: thin veinlets/fractures @ 35-45° 42.0: 5 mm quartz-carbonate vein with acanthite i	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 40.4-40.7: strong potassic alteration 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° 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 ac s altered shear zone @ 45°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 2876 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 2876 39.0 40.4-40.7: strong potassic alteration 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° 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°	39.5: pink calcite wein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breccia matrix 2876 39.0 41.0 40.4-40.7: strong potassic alteration stlicification with pyrite disseminated through grey quartz veinlets 40.9-41.1: 5 mm quartz-carbonate veinlet with grey sulphide, pyrite and amethystine quartz @ 80° 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°	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breecia matrix 2876 39.0 41.0 2.0 40.4-40.7: strong potassic alteration 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° 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°	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 40.4-40.7: strong potassic alteration 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° 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°	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 40.4-40.7: strong potassic alteration 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° 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°	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 40.4-40.7: strong potassic alteration siliciffication with pyrite disseminated through grey quartz veinlets 40.9-41.1: 5 mm quartz-carbonate veinlet with grey sulphide, pyrite and amethystine quartz @ 80° 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°	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 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° 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°	39.5: pink calcite wein, 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 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° 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°	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 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° 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 at the selvage of the selva	39.5: pink calcite vein, 8 mm @ 45° 39.8-39.9: quartz-carbonate breecia matrix 2876 39.0 41.0 2.0 0.003 0.08 0.01 0.05 40.4-40.7: strong potassic alteration py ss 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° 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 win with acanthite in a clay altered shear zone @ 45°

	TIMAL	CCT: COLDEN LION HOLE: GL-84-5 !	NEWMO	INT EXPLORATION	OF	CA	NADA LI	MITED		•	•	PAGE	NO:	6				
INTERV		GEOLOGICAL DESCRIPTION	M	INEXALIZATION						ASSAY	3						RECO	Wr.
rom	То		12		A S	SΡ	SAMPLE	FROM	OT	LENGTH	Au	Ag	Pb	Zn	Т	Τ	RLN	T
		42.7: 5 mm quartz-carbonate veinlet @ 45°			П				1	 		 	1	 	1.	╁╌	1	+-
		12.0				\Box						1	 	1		†		†
		43.2: quartz-carbonate veinlet @ 25°			Ц	44												I
		43.4: fractures @ 45°	+-		${\mathbb H}$	H		 	 	· · · · · · · · · · · · · · · · · · ·			ļ	ļ				Ţ
		44.2: quartz-carbonate vein @ 30°	1			\Box								<u> </u>				t
			+		H	H	· · · · · · · · · · · · · · · · · · ·						ļ	ļ	-		ļ	Į
		44.5-44.9: series of 5-10 cm pink carbonate veinlets @	+	T	+	m			 			 	 	 		 	├	╀
		40-50°			Т	11			 				 	†	 	+	-	┿
		-chloritic alteration at vein edges	\neg		Т	\sqcap						 	 	 	 	 	 	╁
	·	-pink potassic selvages				П							 	 	-		 	t
-+		MB: VEINS NOW START TO SHOW GREEN CHLORITE ALTERATION ALONG	+		4	H												İ
		CONTACTS WITH WALL ROCK		i i	\perp	\mathbf{H}			-					<u> </u>	 	 		╀
\dashv	·	-pyroxenes also show chloritic alteration	\pm			\prod												F
\dashv		45.2: irregular quartz-carbonate vein with distinct green	-		-	${f H}$												L
\Box		chlorite alteration at edges	土		\pm	H						-	<u> </u>					L
-+		46.3-46.5: banded quartz-carbonate vein with chlorite &			Ŧ	П												İ
		46.3-46.5: banded quartz-carbonate vein with chlorite @ 20°, cut by anastamosing veinlets @ 60°	士	1	╁	╫									<u> </u>	 	ļ	Ļ
-+		46.5: Weak Irregular Potassic Alteration	Ţ		Τ.	П												H
		-potassic altertaion of feldspars decreases and green	+	1	ш	۳												
		montmorillonite alteration increases	+-		+	₩												
		-clay alteration in fractures	+	 	+	Н						-						L
+		47.7: 10 cm clay gouge seam @ 50-60°				П												H
		10 cm citaly gauge seattle 50-00		 	8	ш												Г

				-														
INTERV		GEOLOGICAL DESCRIPTION	М	FRALIZATION						ASSAY	S						RECO	ΝĒ
rom	To		Z		A	SP	SAMPLE	FROM	TO	LENGIH	Au	Ag	Pb	Zn			RUN	Т
		48.8-49.0: fractures with clay alteration @ 50° + 80°			В	\perp		1			Ţ							I
		49.8: clay gouge @ 25°			s	+	ļ		+		 		┼	-		ļ		4
\neg					Ħ	\vdash		 	 			 	 		 		 	t
	*	50.5: hard, potassic altered rock with grey quartz-carbonate			11	8 8	2877	50.0	52.0	2.0	0.003	0.01	<0.01	0.02				t
		vein @ 60°																1
	-	51.7-51.8: 10 cm carbonate veinlet @ 75°		<u>. </u>	╫	+	<u> </u>	+			ļ	 		ļ	ļ	ļ		7
			-		+	+		+			 	 	+	 		 	 -	†
		55.3: 8 cm potassic-siliceous altered rock with quartz-		gr	11	8 8		1	1		T	 	 	 				†
		carbonate vein @ 90° containing grey sulphide			\square	\perp												1
\rightarrow		56.5: quartz-carbonate vein, 5-8 cm, (80° in potassic		py	H	s s	2878	55.0	57.0	2.0	0.006	0.11	0.07	0.04				1
		altered rock		cpy	+	-	2070	1 33.0	1 37.0	2.0	0.000	0.11	0.07	0.04				+
		-disseminated pyrite, chalcopyrite, acanthite(?), native		ac(?)	11	+				····	 	 	 	 	 -			+
		silver(?)		Ag(?)	11	\top		1	† †		-	 	+		 			t
					П						i		1		†			t
	<u> </u>				\coprod	I							1					1
		56.9-57.1: potassic-siliceous alteration with pyrite and			+	88	<u> </u>	 						ļ				Į
+		irregular quartz veining		.ру	╁┤	8 8		 	 		ļ		 	 	 	ļ	<u> </u>	4
		-strong potassic selvages			╁	+		+	 			 	 	 	 		 	+
					$\dagger \dagger$	+		 	+		 		 		-			t
		60.7: grey quartz vein @ 50°			\Box	\top	2879	60.0	62.0	2.0	<0.003	0.04	<0.01	0.04	ļ	 -		t
					П	\perp												1
		61.0: argillic alteration of grey-brown rock, with feld-			m	\bot		ļ										I
	·	spars and pyroxenes as before -calcite in matrix occasionally			₩	+		1			ļ		1	<u> </u>	L			1
		-massive, little veining			╂╂	+		-	 		 		 	}	ļ			7
					╁┼	+		 	 		 	ļ	+	 	-			+
		66.4: grey-pink carbonate vein 6 55°			++	+		+	1	·	 		 	 				+

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	PROJE	ECT: COLDEN LION HOLE: GL-84-5 N	EWMUN!	EXPLORATION	OF.	CA	NADA LIM	TLIED.				PAGE 1	NO:	8			
INTERV	AL	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	AL:	īΤ				ASSA	rs					RE	OVE
rom	To		X		AS	JP!	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RIN	
		66.7-67.0: clay alteration and gouge in shear zone @ 40°			8	TT											+
					\Box	TT											+
		70.5: clay in fractures @ 75-80°			\Box	Π	2880	70.0	72.0	2.0	40.003	0.06	<0.01	0.01			+
		-green chloritic alteration				П											_
					\Box	Π											+
		71.0: carbonate veinlets @ 20° + 45°				\prod					1						\rightarrow
					\prod	П											_
		74.8; carbonate vein/breccia @ 35°				П								<u> </u>			十
						Π								7			+
		75.6: 6mm clay gouge @ 45°			8	\prod								 			+
	- 13					П			1					 			+
		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				П								 			+
						П											十
		79.1: strong clay alteration + gouge @ 80°	\perp		8	П			1								+
						П											十
		82.3: clay gouge + carbonate veinlet @ 70°			8	П					+			<u> </u>			+
			\perp		П	П											+
	·	86.9: clay gouge @ 0° but fractures with potassic selvages			8	П	2882	86.0	88.0	2.0	0.006	0.07	∠0.01	0.02	$\overline{}$		+
		@ 80°	\perp			П											+
						П					1			l			+
		89.5: Strong Potassic Alteration			8	s									$rac{1}{2}$		+
		-pervasive pink alteration and silicification of host rock			\Box	П					†********** †						+
		-thin clay alteration along fractures			\Box	П											+
						П											+
	- 13	91.0-92.0: intense argillic alteration zone with minor vein	1		8	П	2883	90.0	92.0	2.0	0.012	0.09	0.01	0.04			\top
	5:	lets producing potassic alteration selvages, then strong			\Box	П											+
		shearing and clay gouge @ 70° before contact with siliceous			Ш	П											+
		zone	1		П	\Box											+
			1-1		Ш	П											\top
			1. 1		\perp	1.1°	- 1										+

		T										******	NO:	,				
INIER		GEOLOGICAL DESCRIPTION		NERALIZATION						ASSAY	S						RECO	ΝĐ
rom	To		1 %		A S	P	SAMPLE	FROM	TO	LENGIH	Au	Ag	Pb	Zn	T		RUN	Ť
12.0	96.8	Zone of intense silicification and quartz veining		Py	8	8									 			t
	· · · · · · · · · · · · · · · · · · ·	-well fractured and re-healed by silica		сру		П									+			t
		-few lithic clasts with very little original texture	L	Ac?		П												t
		-varies from dark grey to black to pale green		Sphal?	П	П						· · · · · ·	<u> </u>		 			t
		-dark grey sections contain pyrite, chalcopyrite, and			П	П					 			 	 			t
		acanthite?			П	П								 	 		├	ł
		-also very fine grained, honey-brown non-metallic-sphalerite?			П	11					†		<u> </u>					ł
		-red hematitic stain along fracture			П	П			 				-					ł
					П	11							 		 		 	ł
		92.0-93.6: intense black sileceous rocks	1		П	T	2884	92.0	93.0	1.0	0.008	2.39	1.28	2.22	 		 	ł
						Ħ			1		0.000	2.55	1.20	2.22	├──┼	—	—	ł
			 		\vdash	Ħ	2885	93.0	94.0	1.0	0.00%	2.54	0.87	0.79	├── ┼			ł
					+	Ħ			77.00		0.004	2.54	0.07	0.79	 			ł
		93.6: still silicified, but takes on a pale green appearance		ру	s	s			1								<u> </u>	ļ
		with minor breccia		сру	۲	Ħ												Ļ
		-spots of pyrite, chalcopyrite, and grey sulphide		gr	+	tt			 								<u> </u>	ļ
					+	H			 									ļ
		94.2-94.6: good grey quartz with sphalerite(?)		sphal	-	s	2886	94.0	95.0	1.0	0.004	2.14	0.54	0.72				ļ
			1		۲	Ħ		7.0	75.0	1.0	0.004	2.14	0.54	0.43				ļ
					+	$\dagger \dagger$											<u></u>	Ļ
		94.6-95.3: pale green, siliceous with red hematitic	 	py	s	H	2887	95.0	96.0	1.0	∠0.003	0.26	0.08	0.06				Ļ
		fractures and some disseminated pyrite		he	+	╁		33.0	70.0	1.0	-0.003	0.24	0.06	0.06	├			Ļ
					+	H	 †	·	 +									Ļ
		95.3-96.3: strongly sililicified breccia with lithic		ру	8	H	2888	96.0	97.0	1.0	0.003	0.6%	0.11	0.18				Ļ
		fragments showing vague remnant textures of brown porphyritic		gr	十	11		2010	77.0	1.0	0.003	0.04	0.11	0.19				Ļ
		host			+	††								i				L
		-includes one fragment of pyrite-grey sulphide			+-	1												L
		-finish in intense white silicification with disseminated	М		+	Η												L
		pyrite			+	\vdash												L
			 		+	+			 -									L
			 		+	╁												L
T			\vdash		+	⊢⊢							1					L

	PROJEC	T: COLDEN LION HOLE: GL-84-5	EMPLN.	. EAPL	OEAT TOU	UP.	CAL	NADA LI	TIED				PAGE	NO:	10				
INTERV		GEOLOGICAL DESCRIPTION	MI	WERALI.	ZATION	AL:	īΤ				ASSA	rs						RECO	ΝD
ron	То		Z			AS	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		T	RLIN	Ť
6.8	181.4	Zone of strong potassic alteration and silicification	2	Py		s	8					1		 	1		 	+	+
		-pervasive pink alteration	7				П					1		 	 	 	+	+	╁
		-numerous irregular quartz veinlets with intense potassic	7			Т	Ħ		<u> </u>	 		1		 	 	 	+	+	+
		selvages	\neg			\top	Ħ					+		 	 		 	+-	╁
I		-disseminated pyrite 1-4%					H		·			-			 		┼	┼	┿
		-intermittent clay gouge in fractures	+			+-	H	*	 	 		+		 	 	├	 	┼	+
			┪	 		_	H			1		+		 			├ -	+	∔
		97.3: Quartz vein 60°	—			-	H	2889	97.0	98.0	1.0	<0.003	0.0%	0.01	0.04	 		┼	+
			\top		-	+	H			+ 30.0		1-0.003	0.04	0.01	0.04	├		┼	╀
		98.8: 5 cm clay gouge	+	-		-	H	2890	98.0	100.0	2.0	-0.003	0.01	0.01	0.05	├──	├	┼—	ļ.
			+-				H		70.0	1200.0		F0.003	0.01	0.01	0.00	 	 	┼	╀
		99.3: 10 cm of silicification and thin black veinlet with	+-			-	H			 		+			 	├──	├	┼	╀
		amethystine quartz	_		****	+-	H			 				 	 		 	——	╀
			1-			-	H			 		+				 	├	 	Ļ
		95.5: 8 cm quartz vein @ 60°					H			 		 						 	1
			+			+	╁			 		+			 		 	 	Ļ
		100.6: fracture and clay gouge @ 70°	+			+	╁	2891	100.0	102.0	2.0	-0.003	0.00	0.01	0.04		<u> </u>	 	Ļ
			 			+	\vdash	2071	100.0	102.0	2.0	F0.003	0.00	0.01	0.04				1
		102.6: irregular quartz vein @ 90° with last stage carb-	+	gr		+	H	2892	102.0	104.0	2.0	0.008	0.00	0.01	0.05				Ļ
		onate crystals in centre, disseminated grey sulphide, and	+	<u> </u>		+	H	2072	102.0	104.0	2.0	0.008	0.09	0.01	0.05	<u> </u>	ļ		Ļ
		strongly limonitic altered crystals				-1-1	+					+					<u> </u>		Ļ
			+			+1	ҥ									<u> </u>	ļ	<u> </u>	Ļ
		103.3: quartz-carbonate vein with disseminated grey		gr			\vdash			 		-						<u> </u>	Ļ
	- N	sulphides	1	-0-		++	\vdash							ļ					L
		-clay alteration on fractures	+			╅	\vdash			 	 	 			ļ		 		L
			+			+	\vdash			 		 						<u> </u>	Ļ
		104.0: quartz-carbonate vein @ 45°	+			┪	+	2893	104.0	106.0	2.0	0 000	0.79	0.00	0.05		 	 	L
			+		i	+	+	2093	104.0	100.0	2.0	10.010	0.79	0.03	0.05		 	 	Ļ
		104.5-104.6: 4 cm grey quartz vein/breccia @ 60°	+			+++	s					 						├	Ļ
		-strongly silicified to 105.0	+			┯	+					 					 '		L
		-bladed white barite crystals at edge of quartz vein	┿┥			╌┤┤	+									·		<u> </u>	L

	PROJE	CCT: COLDEN LION HOLE: CL-84-5 !	EMON	EXPLORATION	OF	CA	NADA LII	ALTED)				PAGE I	W:	11				
INTERVA	L	GEOLOGICAL DESCRIPTION	MI	ERALIZATION						ASSA	'S						RECOX	ÆK
rom	To		X		AS	P	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn		R	N	L
		105.2: 6 cm green clay gouge			Ш.	П												L
					Ш	Ш			<u> </u>									L
		105.3: 5 cm grey quartz vein @ 80°; cut off by fractures			Ц.	${\downarrow}{\downarrow}$			\vdash		-		ļ					-
					-	В			ļ		 							-
		105.6: 14 cm siliceous zone, brecciated, with pyrite and grey sulphides cut off by 70° fractures		ру	├- ├	5		<u> </u>	 		 	· · · · · · · · · · · · · · · · · · ·			 			H
		grey sulphides cut off by 70° fractures	+	gr	╁┼╴	Н	·	<u> </u>		 	 				-			۲
士						П												F
		105.8: 10 cm siliceous zone, as above			╀	8			ļ						\vdash			-
		106.5: quartz vein @ 50°	+-		11	$\dagger\dagger$	2894	106.0	108.0	2.0	<0.003	0.04	<0.01	0.04				L
					П	П												
		108.7: thin clay gouge zone @ 70° followed by parallel				П	2895	108.0	110.0	2.0	∠0.003	0.08	0.01	0.04				L
		intense 10 cm chlorite alteration zone			\coprod	П					<u> </u>							L
		-followed by brecciated, quartz vein zone 20 cm wide			Ш	Ш			<u> </u>									L
		-followed by more chlorite			Ш	Н		ļ. <u></u>	ļ		ļ			ļ				L
		109.0-109.5: multiple fractures and strong chlorite alter-		<u> </u>	₩	₩	2896	110.0	112.0	2.0	-0.003	0.02	40.01	0.03				H
		ation			H	H	2000	11010	11110	2.0		0.00						L
$=$ \Box					П	П	2007	110.0	114.0	- 20	∠0.003	0.00	0.02	0.04				Ļ
-		112.0: quartz vein @ 30° cut by fractures @ 70°			╁┼	╁	2897	112.0	114.0	2.0	×0.003	0.06	0.02	0.04				H
士		112.6: quartz veins @ 10°																ľ
		112.5.5			1	\sqcup			-	ļ	ļ		ļ					╀
		113.5: 5 mm quartz veins @ 45° + 10°			╁┼	╫			+	 	+			 				۲
		113.7: siliceous vein-stockwork breccia with some grey		gr		s												L
		sulphide			Ш	П				ļ	ļ		ļ		1 18			Ļ
L				1	1.1.	$\perp \perp$		L						<u> </u>	11			L

	***	CT: GOLDEN LEON HOLE: GL-84-5 N					THE LANGE			·		PAGE	NJ:	12			
NIERV		GEOLOGICAL DESCRIPTION		NERALIZATIO		LT				ASSA'	YS				 	RECO	VE
rom.	To		X		A		SAMPLE		10	LENGTH	Au	Ag	Pb	Zn		RLN	Ť
		114.0: 3-5 mm quartz veins @ 20°, followed by 15 cm silic-			$\perp \perp$	8	2898	114.0	116.0	2.0	∠0.003	0.16	0.04	0.04			t
	·	eous zone with multiple fractures filled by quartz (grey,	Ц	ļ	\perp	Ш							1	T			T
		white and clear)	4_		$\perp \perp \downarrow$	$\perp \perp$											Ħ
		11/4 50 41/4 1	┦		$\dashv \downarrow$	$\perp \downarrow$											H
		114.5; siliceous breccia zone, disseminated grey sulphide	ļ	Py)	$-\!$	s	-										Г
		pyrite		gr	$-\Box$	$\perp \downarrow$	· · · · · · · · · · · · · · · · · · ·										Г
		115.2-115.3: 5 mm quartz veins @ 10-20°				44											Г
		113.2-113.3: 3 mm quartz veins e 10-20		ļ	-44	44	2899	116.0	118.0	2.0	≥0.003	0.06	<0.01	0.03			Γ
		118.7: 10 cm grey quartz stockwork/breccia			-44	44											Γ
		110.7: 10 ca grey quartz stockwork/breccia				44	2900	118.0	120.0	2.0	0.004	0.10	<0.01	0.03			Γ
+		119.3: grey quartz veining over 15 cm @ 50-60°	4	ļ		44					L						Γ
		113:3: Steh dratts Asturing over 12 Cm 6 20-90.	-		$-\!\!+\!\!\!+$	44											Γ
-+		120.0: 5 mm grey quartz vein @ 40°	-			44											Γ
-		120:0: 3 mm grey quartz vein e 40	┵		$\dashv \downarrow$	44	2901	120.0	122.0	2.0	0.022	0.14	0.01	0.04			Γ
		120.2: 4 cm of breccia with quartz matrix				44											Г
+		12002. 4 CM OF DEBACES WITH QUARTE MATTER	┽	ļ	$\rightarrow \downarrow \downarrow$	++											Γ
+		120.6: 3 cm grey quartz vein 0 10°	₩	ļ		#											_
-+		12000. 3 cm grey quartz vent e 10	↓		_;_	44											Γ
		120.8-121.1: grey quartz vein/stockwork breccia, prominent				44			-								Γ
\neg		direction at 55-60°, other crosscutting fractures. Surround-			-++	++											Γ
		ing host rock is mottled grey brown with carbonate alteration			++	++			 							- 1	ī
		-quartz vein contains bladed barite crystals	1		$\dashv \downarrow$	++											ī
		The volume contents to be the city state	+		-++	╁┼			 								
		121.3: grey quartz vein @ 0°	 	· · · · · · · · · · · · · · · · · · ·	$\dashv \downarrow$	╅╁					ļ		ļ				
		g-7/ quality (+		-++	++			 	 							Ī
\neg		122.8-123.0: grey quartz veining and breccia with some	tr	Pv	- 	s	2902	122.0	134 0	- 10	10000	0.10	-		 		
		pink calcite veinlets, all @ 20°	+	<u>. y</u>	- 	15	2902	122.0	124.0	2.0	∠0. 003	0.12	0.01	0.04]	
		-trace pyrite	+		-++	++	2903	124.0	126.0	2.0	0.006				 		_
			1		-++	++	2703	124.0	126.0	2.0	0.006	0.15	≥0.01	0.03	 \longrightarrow		_
			4			11			L		1 1		1	ı ,	 1		

4.

PRO.	JECT: COLUMN LICON HOLE: GL-84-5 1	EWMON	T EXPLORATIO	n of	CA	NADA LI	MTIED				PAGE	NO:	13			
INTERVAL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	I AL	ΤŢ				ASSA	rs				 	RECO	VER
From To		7		AS	P	SAMPLE	FROM	TO	LENGIH	Au	Ag	Pb	Zn		RUN	Т
	-continue in numerous small veinlets of quartz-carbonate @	\top		$\top \top$	П						B	1	1			†
	20-40° to 124.0	1		77	П				**			1		 		t
				\top	П											t
	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			t
	brecciation			\sqcap	П		· · · · · · ·			1		†		 		t
	-minor disseminated pyrite			\top	П					1		 		 	 	t
	-continue to 127.4	7	1	\top	TT			1		1		 	† ·	 	 	t
			1	\top	11	**		1				 	 			t
	127.0 Silicified Stockwork Zone		ру	T Is	s		 	 		1		 	t			t
			† * * * * * * * * * * * * * * * * * * *		††		i	 	• • • • • • • • • • • • • • • • • • • •				 			t
	127.4: fractures above grade into intensely silicified	tr	ga	11	11					 			 		 	t
	stockwork/breccià/veining along core @ 90°	tr	sphal	++	Ħ		 	†		 		 		 		t
·	-younger veinlets cutting across @ 0-10°	+		++	††			 		 		 	-	 		t
	-disseminated pyrite, trace galena, sphalerite	\top	1	++	11		·	+		+			 			╁
		+		++	††			 		 			 	 		╀
	129.5-129.6: good veining @ 45° within the stockwork		Py	l Is	+	2905	128.0	130.0	2.0	0.003	1.68	0.07	0.03			╁
	-minor pyrite, trace-galena	tr	ga	╁	††			1		1 0.003	1.00	0.0.	0.00	 		╁
			1 2	11	††			 		+						╁
	129.9: dark grey quartz veinlets over 5 cm @ 10°		1	l s	11		<u> </u>						 			╁
				++	††		 	 		<u> </u>		 	 	 		十
	-continue in stockwork veins, dominantly in the 10°-45° range	ze	<u> </u>	++	††		 	1		 			 	 		t
				11	11		<u> </u>	1		+			 	 	\vdash	╆
			1		T					 			 			۰
					11					+						十
				\top	T					†			 			t
					П					1						t
	130.5-130.6: coarse breccia zone with multiple phase quartz	2	py	s	11	2906	130.0	132.0	2.0	0.010	0.61	0.02	0.04			t
	deposition	tr	gr	\top	T				·····				1			t
	-siliceous and lithic fragments				T^{\dagger}			 		1						+
	-grey quartz veining with later cream coloured siliceous				П					1		 	 	 		t
	filling			$\top \top$	11		·	1 1		 		 	 	 		╆

	PROJE	CT: GOLDEN LEON HOLE: GL-84-5 NE	WMON.	r exploration	OF	CA	NADA LIN	(ITE)				PAGE 1	NO:	14			
INTERV	AL.	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AJ.	T	 			ASSAY	S					 RECO	VEZ
rom	To		Z		AS	P	SAMPLE	FROM	OT	LENGTH	Au	Ag	Pb	Zn		RLIN	Τ
		-some late olive-green silica, followed by clear crystalline	Ι			П											Г
		quartz				П											T
		-minor pyrite, trace grey sulphide				\coprod											T
			l			П										i Time	Г
		130.7: thin grey veinlets @ 10°			8	Π											T
					\Box	Π											t
		131.1-131.2: breccia zone, similar to 130.5			s	Ш											T
					$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$	П											t
-		131.4: End of Stockwork Zone				П											t
			-			П										Ī	t
		131.5: Banded quartz vein @ 25°				П									1		Ì
			Г		П	П											Ť
		131.9: banded quartz vein @ 25° with minor grey sulphide		gr	П	П							1	1			t
					Т	П						T	i				t
		132.0: Weak Potassic Alteration	Ι.	He	П	W	2907	132.0	134.0	2.0	0.010	0.49	0.02	0.04		<u> </u>	t
		-return to brown, massive, feldspar-pyroxene porphyry, local				П					1			1	1		t
		pink potassic alteration or carbonate alteration in matrix			Т	П											Ť
		-some disseminated hematite				П											t
					Т	П	•				1						t
		132.0-133.0: multiple fracture veining with some clay alter-				П								1			t
		ation	L			Π					I						Î
]					$oxed{\mathbb{T}}$	П											Ì
		133.5: Moderate-Intense Potassic Alteration				120											Ī
				l		П											Ī
		133.5: quartz vein/breccia with grey sulphide and pyrite		ру		ន											Ī
		€ 50°	ļ	gr		Ш											I
		-strong potassic alteration				Ц											Ι
\longrightarrow	<u> </u>	1320 7	<u> </u>		Щ	Ш											I
		133.7: 5 mm quartz vein @ 20° with dense accumulation of		gr	4	Ш						-					I
	<u>.</u>	grey sulphide	ļ		1	\coprod							L				I
			L	L													T

											PAGE		_		
NIERV		GEOLOGICAL DESCRIPTION		NERALIZATION					ASSAY	rs				 REC	NE
om	To		Z		ASP	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn	 RUN	Т
		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		Ŧ
															Ŧ
		135.0-135.2: irregular quartz veining, trace pyrite, grey	tr	ру								†		 	t
\dashv		sulphide	tr	gr	\Box										Ţ
二		135.3-135.7: intense silicification, veining and brecciation			8 8					1				 	╀
+		135-8: 5 mm quartz vein with grey sulphides		gr	\prod										Ţ
\Box				- 6~	++							 		 	+
\dashv		136.2-136.3: strong silicification in breccia zone	-		8	2909	136.0	138.0	2.0	∠0.003	0.12	0.01	0.03		Ţ
1		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	 	+
\dashv		140.0: quartz carbonate veins 6 50° + 6 10°, cut by	-		+										ļ
\dashv		irregular fractures			#										+
\perp		141.0: potassic alteration weakens as rock becomes	\vdash		+ ;	2911	140.0	142.0	2.0	∠0.003	0.08	∠ 0.01	0.03	 	Ŧ
\dashv	-	brown coloured with mottled grey carbonate alteration			\bot	2010									土
\dashv	1,585	144.0: 3 thin quartz-carbonate veins @ 40°			+	2912	142.0	144.0	2.0	≥0.003	0.10	<0.01	0.02	 	╀
\dashv		145.0: thin quartz veinlets and quartz breccia zone 2-5 cm			П	2913	144.0	146.0	2.0	0.010	0.15	<0.01	0.03		İ
\pm		wide @ 10°	\vdash		++-	2914	146.0	148.0	2.0	0.008	0.23	<0.01	0.03	 	Ŧ
+		147.2: two quartz carbonate veinlets @ 20°			\bot									士	İ
士		ATTION CONTINUES CANDIDATES CANDIDATES CANDIDATES	\vdash		+							-		 	F
					11				·	 	 -	 		 	╄

	PROJE			IT EXPLORAT			ANADA LU	HITED				PAGE	NO:	16			
INTERV		GEOLOGICAL DESCRIPTION		NERALIZATI						ASSAY	S					R	ECOVE
From	To		7	1	Α	SP	SAMPLE	FROM	10	LENGIH	Au	Ag	Pb	Zn		RUN	
		147.4-147.7: quartz-carbonate veinlets up to 15 cm wide		gr		w						1 3	 				
		with minor barite, and disseminated grey sulphide along	\neg		\Box	\top			1		<u> </u>	1	 				
		grain boundaries							1				†				十
						77						† — —					\dashv
		-pink carbonates				\Box								 			\dashv
		-irregular potassic alteration				m	2915	148.0	150.0	2.0	0.020	0.12	<0.01	0.02	_	-	\dashv
						T											+
		148.7-149.7: irregular fractures filled with quartz-				$oldsymbol{\square}$											\dashv
		carbonates (some pink) with red hematite stains				П								 			\dashv
		-fractures tend to be 80-80°				П								 		$\overline{}$	\dashv
		-crosscutting veining @ 10-20° contain quartz and grey	Л.,	gr		П											-+
		sulphides				\Box											\dashv
	· · · · · · · · · · · · · · · · · · ·			1.79	П	\Box			1				 	 			
		150.0-150.2: quartz-carbonate veins up to 2 cm @ 10-20°				\Box	2916	150.0	152.0	2.0	0.050	0.13	0.13	0.04			\dashv
\longrightarrow						ТТ							-				-+
		151.9-152.2: strongly silicified fine breccia with red		He	W	5	2917	152.0	154.0	2.0	0.022	0.11	0.02	0.03			\dashv
		hematitic matrix				Π						-					\dashv
		-bleached host rock fragments with green montmorillonite				П											-
+		altered feldspars				\coprod							 				\dashv
		-grey, strongly silicified fragments have shiny grey		gr	$\perp 11$	\prod				1							+
		sulphide and weakly disseminated pyrite		рy		Π											\dashv
				1 1		\coprod											\dashv
		152.5: 1 cm quartz vein with red hematitic stains and grey		he		\coprod											$\overline{}$
		sulphate @ 30°		gr	$-\Box$	Ш											\neg
		152 1-152 2	4_			Ш											\dashv
		153.1-153.2: quartz veins @ 20° with irregular veining @			$\perp \downarrow \downarrow$	Ш											一
		80-90° showing potassic selvages	1 1		Ш.	Ш										-	_
		153.5-154.3: siliceous breccia with hematitic matrix and	-	ļ		Ц				:							\neg
		minor disseminated pyrite	4_	he		W	2918	154.0	156.0	2.0	0.006	0.33	0.07	0.03			$\neg +$
			+	ру	$\dashv \downarrow$	Щ											_
		grey quartz veinlets carry traces of galena	tr	ga		\mathbf{L}^{\dagger}											-+

INTERV	'AL	GEOLOGICAL DESCRIPTION	MIN	ERALIZATION	ALT				ASSAY	<u>/S</u>					DEC	OVER
rom	To		12			SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	747
		-finish with 4 cm quartz vein, minor breccia fragments, at	+		77					 ~~	-75	1	-		- 174	+-
		20°			11					 		 				+-
					11			<u> </u>		1		 			\dashv	+-
		155.7: 15 cm quartz-carbonate vein with red hematitic			MW	2919	156.0	158.0	2.0	0.006	0.09	<0.01	0.02			┰
		section and grey sulphide layer, @ 35°			\top							† · · · · ·	1			+-
		-sharp contacts, no selvages													_	+
					Π											+
					\prod							T				+
													t		\neg	+
		157.0-158.0: thin carbonate veinlets @ 25°			MM	2920	158.0	160.0	2.0	0.030	0.11	<0.01	0.03			十
		-rock is relatively fresh, with moderate silicification			\prod	5.50										+
		and potassic alteration concentrated near veins										1			\neg	十
																+
		158.5-158.7: patchy zone of coarse green clay - potassic-		he												+
		siliceous alteration with hematite														+-
		150.0	4		$\perp \perp$											+
		158.9; intense clay alteration and gouge zone			8											\top
			\bot		$\perp \perp \perp$											\top
		161.0-161.5: zone of potassic alteration and quartz-	1		SS	2921	160.0	162.0	2.0	<0.003	0.12	0.05	0.05			T
		carbonate veining, mainly @ 20°	+	gr	Щ											T
		-grey sulphides in veins	4-4		-+-											T
		-clay in fractures	+		444		A Section									$oldsymbol{\mathbb{I}}$
		Ciay in tractures	╂╼╍╂		++-					ļ		ļ				\perp
		161.8: 2 mm quartz-carbonate veinlet with thin potassic	1	gr	8 8				<u> </u>				<u> </u>			1
	7 7 7	selvage carrying grey sulphides @ 35°	┿	RI	88							ļ	 			4
			+		+++					 						4
		162.1: 2.5 cm quartz vein/breccia zone with grey sulphides	┿╌┪	gr	s s	2922	162.0	166.0	2.0	40.003	A 10	0.01	0.05			+-
		@ 45°	+	8-	+* *	-2324	102.0	104.0	2.0	-0.003	0.10	0.01	0.05			4-
			+-+		+++		·	 		 		 	 			+
			11		111			 		 			 			┷

	PROJE	CT: COLDEN LION HOLE: GL-84-5 NE	XMON	IT EXPLORAT	TON O	FC	ANADA LI	MITED				PAGE	NO: 1	.8				
INTER		GEOLOGICAL DESCRIPTION	M	NERALIZATI	ON I	LI	T			ASSAY	s						RECO	īn:
, tom	Ю		X				SAMPLE	FROM	OT	LENGTH	Au	Ag	Pb	Zn	Т Т		RLN	Ť
		162.6: thin quartz veins and potassic alteration selvages	1	ру		8 8					 	1:8-	+	 -	 		NUN .	+
		with considerable disseminated pyrite	1	1		Н	 	 	 		 	 	+	 	+			4
			1			\vdash			 		 		 	+	┼─┼			4
		162.8: 4 cm zone @ 45°, quartz vein/breccia with grey		gr	\neg	S 8		·	1		 	├	 	 -	 			+
		sulphides	T			Τ			 		 	 		+	 			+
						П			1 1		 		 	 	┼─┼	\longrightarrow		ł
		163.3: 3 mm quartz vein @ 15° with potassic alteration and		gr		8 8						 	i	 	 	-		t
		grey sulphides				Н							†	 		-		t
		1/0 6 1/0 7	<u> </u>											1				t
		163.5-163.7: zone of quartz veins @ 20° + 45° with grey	1_	gr		8 W	2923	164.0	166.0	2.0	0.008	0.05	0.01	0.05		\rightarrow		t
		sulphides												1				t
		144 0	Ļ.,	ļ						_								t
		166.0: 5 mm quartz-carbonate weinlet with potassic alter-	_	gr	$\perp \! \! \! \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \! \!$	8 8	2924	166.0	168.0	2.0	0.020	0.56	0.05	0.10				t
		ation and grey sulphide @ 45°	-	ļ	\dashv	4												t
		166.9: 3 cm zone of quartz-carbonate veining with dense	₩-		-44	4												t
-		grey sulphides, green clays, and potassic alteration @ 45°	₩	gr	W	8 8			L									t
		get outputtes, green clays, and potassic afteractor (4)	1	<u> </u>		+												Ī
				 	-H	+												Ι
			-		-++	+												Ι
		167.0: weak potassic alteration as rock has green alteration	1		\dashv	u u							ļ	ļ				1
		of feldspars, and grey carbonate alteration of pyroxenes	\vdash			-												1
			 		\dashv	+				<u> </u>					├ ──┼			1
		167.4: banded quartz vein @ 30°	 		+	+			╀									ļ
		-other fractures with potassic selvages @ 85°	 		$\dashv \dashv$	╅			 						\longrightarrow			ļ
					- 11	+			 						 			Ļ
		167.8: banded quartz vein 0 40°	Π		\dashv	\top			 						┝─┼	+		ŀ
						1			 						 			╀
		168.0: minor breccia zone with carbonate matrix				8 8	2925	168.0	170.0	2.0	≥0.003	0.08	0.01	0.03				ł
-+		-good potassic alteration with quartz veining @ 20-40°									33003	3.00	0.01	<u> </u>	 	+		ŀ
		160 At minor broads and debugge				П												ŀ
		169.4: minor breccia zone with carbonate matrix			-11		2926	170.0	172.0	2.0	<0.003	0.10	20 01	0.03				H

	PROJE	CI: COLDEN LION HOLE: GL-84-5 NE	WUN	r exploration	OF	CAN	iada Lib	HITED				PAGE	vo:	19			
NIERVA	L	GEOLOGICAL DESCRIPTION	MIL	NERALIZATION	AL	rŢ			*	ASSAY	S					REO	WER
Om	To		Z		AS	P	SAMPLE	FROM	TO	LENGIH	Au	Ag	Pb	Zn		RUN	Т
		172.2: carbonate-quartz vein with galena trace-acanthite(?)		ga	П	М	2927	172.0	174.0	2.0	0.010	1.33	0.08	0.04			
		trace pyrite, 1.5 cm wide @ 30°	tr	ac		П										*	1
		-irregular potassic alteration selvage	tr	рy	П	П											T
		173.0; relatively fresh, brown host rock with green	├-		H	U			1		+						╀
\dashv		feldspar alteration			+	H			 		 						╁
\Box						П											I
-+	-	173.3: carbonate vein with grey sulphide @ 30°	ļ	gr	Н	Н	2928	174.0	176.0	2.0	≥0.003	0.12	0.01	0.02			+
			┝╌		-	H			 		 		<u> </u>				┿
		173.6-173.7: 10cm banded quartz carbonate veins @ 0°															T
		-minor barite	ļ		Ш	П											I
\dashv		175.5-175.6: fracture zone with hematite staining @ 60°		he .	╁┼	H			 		-		ļ				+
						T											†
		175.8-180.3: continue in fracture zone @ 45°, finishing with			M	М	2929	176.0	178.0	2.0	0.006	0.07	0.02	0.11			Τ
		12 cm breccia zone with carbonate veining				П											I
		176.4: 1 cm banded quartz-carbonate vein with grey sulphide	├	gr	8	8			 		-		 -	·			+
		@ 45°		-0-	Ĭ	Ĭ					1						+
_		176 0. 0.3	_	1 1/0		П			ļ								T
		176.8: 2-3 cm quartz-carbonate vein with black sulphide	├	sphal(?)	s	S			ļI								4
-		(sphalerite?) along one edge	├	<u> </u>	H	H			 		 						4-
		potassic arteration of first	├	l	╁	Н			 		+						+
		177.4: 5 mm quartz-carbonate vein @ 30° with some black	†		8	s			 		 		 	-	-		+
		sulphide		sphal(?)		П											İ
			↓_			H											I
			+-		-	\vdash			╁┈┈┼		+				-		+
		178.4: carbonate vein 6 30°, grey sulphide in thin veinlets		gr		\vdash	2930	178.0	180.0	2.0	≥0.003	0.10	0.12	0.03			┿

INTERVAL	GEOLOGICAL DESCRIPTION	Тир	PRALIZATION	AI	T				ASSAY	S						RECO	VE
rom To		12		AIS	SIP!	SAMPLE	FROM	TO	LENGTH	Au	AR	Pb	Zn			RUN	T
	178.9-180.1: carbonate vein/breccia @ 80° with grey		gr		3 8							<u> </u>	†——	\vdash			H
	sulphide			H	Ħ			 				-	 	<u> </u>			t
	-strong potassic selvages	1		H	11								—	—			t
				Ħ	11			1									t
	179.8: siliceous breccia zone, weak purple hematitic		he	1 18	3 8					7		.				$\overline{}$	t
	matrix			П	П								T			Γ	t
				11	П					1	1	1	1				t
1	180.8: 5 mm carbonate vein € 0°			П	П	2931	180.0	181.4	1.4	∠0.003	0.12	≥0.01	0.02				t
				Π	\top								1				t
	180.9: 2 cm carbonate vein @ 45°			TT	Π				:		· ·						t
				П	П					 							t
	181.4: END OF HOLE (in moderate to strong potassic alter-			П	П												t
	ation)			П	П							1				ſ <u></u>	t
				П	П												t
				П	П				. :								t
				\prod	\prod												T
				П	П		:						1				T
				П	\prod								1				T
				Ш	Ш	1 -											Γ
			·	Ш	\perp												Γ
				Ш	Ш				.8.1								Ι
				Ш	Ш												Ι
				Н	Ш									<u> </u>			1
				14	44					<u> </u>			<u> </u>				l
				Н	11			ļ		ļ			ļ.,	<u> </u>	$oxed{oxed}$	L	1
				₩	+					ļ	L		<u> </u>			<u> </u>	ļ
				₩	44			ļ		<u> </u>	ļ	<u> </u>	ļ	Ь—			ļ
	 	-		H	+-			ļ				ļ	<u> </u>	 	 _		ļ
				₩	++							<u> </u>	<u> </u>	<u> </u>	igsquare	<u> </u>	ļ
			1	1	1 1			1			1	1 .	1	1	s l	i	١

NEWHONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT COLDEN LION

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIN	143.6 m	IDLE NO.	CL-84-6
LOCATION	700N 140E	collar	020	−45°	Сопрев	CORE SIZE	BO	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	COLDEN LION 2
DEPARTURE	147.5E					COMPLETED	July 24/84	PURPOSE	COLLEGE LANGE
									8. M. Lever

מסרו	AL To	GEOLOGICAL DESCRIPTION	MINERALIZATION	_					ASSA	YS					RECO	OVI
0	10.0	Cooler	Z	AS	P SAM	PLF.	FROM	OT	LENGIH	Au	Ag	Pb	Zn		RUN	T
	10.0	Casing		Ш											10.0	히
0.0	95.0	Brown feldspar-pyroxene porphyry		Ш			<u> </u>								10.9	91
		miltoration warder form and and a decision and a de		$\sqcup \bot$	↓										14.0	তা
		-alteration varies from moderate/strong argillic to moderate potassic/silicification to strong chloritic		$\sqcup \sqcup$				<u> </u>							17.0	히
		-foldstate executive to strong chloritic		Щ											20.1	īŤ
		-feldspars generally show a green montmorillonite alteration		Ш											23.2	zt
		-crowded feldspar textures, often with trachytic orientations		\Box	1 .										26.2	
		-pyroxenes well altered to carbonate and chlorite but still		Ш											29.3	
		show hexagonal shape	1.0							1					32.0	
-		-matrix very fine grained													33.8	_
		-locally disseminated homatite and pyrite		$\Box \Box$					"	 		 			35.0	_
		-rock is well fractured with many irregular clay fractures			1				7 - 1 - 1 - 1 - 1	 				 	36.6	_
		or carbonate veinlets		\Box					7.5	 		 			38.1	_
				\Box						 					39.6	
		NE: CORE IS VERY BLOCKY AND CIVES FOOR RECOVERY		71						 	-				40.8	-
				\top						 					41.8	_
		-as rock becomes increasingly potassic/silicic altered, orig-		11	1					+					44.5	
		inal textures become more obliterated		\top						+					47.5	
				\top						 					50.6	-
		10.0: initially moderate argillic alteration with green		М	293	2	10.0	12.0	2.0	0.025	0.17	0.08	0.18		53.6	_
		(montmorillonite) feldspars, clay alterattion, and reddish		$\top \top$	1					+ 3.023	0017	0.00	0.10		55.8	_
		hematitic matrix		\top						 					56.4	
				\top						1					57.3	
		10.4: strongly silicified grey-dark green (chloritic) vein-		8						1					57.9	_
		let, @ 85°, but cut by irregular fractures containing carb-		\top						 					60.3	
		onate stringers		\top	1	\neg	-			 					62.2	┺.
				\top		+				 						_
				++	1	-				 					65.2	-1.

	PROJE	CT: COLDEN LION HOLE: GL-84-6 N	MOM	r exploration	Œ	CAI	NADA LIM	ITED				PAGE !	NO:	2			
NIERVAL		GEOLOGICAL DESCRIPTION	MI	WERALIZATION	AL	T				ASSA	rs					RECO	VΕ
roun .	To		Z		AS	P	SAMPLE	FROM	70	LENGTH	Au	Ag	Pb	Zn		RUN	Г
		10.7-11.0: quartz-carbonate chlorite veinlets up to 4 cm			\Box	П					1				1	68.9	٢
		wide @ 35-45°	1		П	П			1		 					71.0	r
		-moderate potassic alteration particularly near veinlets				М		·			1	*				71.6	r
			1			11					1				- 	73.5	٢
		11.7-11.9: irregular quartz/carbonate stringers in a zone	1		W	w					1					76.5	r
		of weak potassic-siliceous alteration dark green chloritic	1			\sqcap		**								78.0	r
		alteration around stringers			\sqcap	11			1		T					81.1	t
						T			1				 			84.1	r
	-	12.2: feldspar-pyroxene porphyry with limonitic stain and	1	Mte	П	П	2933	12.0	14.0	2.0	<0.001	0.21	0.04	0.14		87.2	t
					\Box	TT					1					90.2	t
		12.5: 5 mm carbonate veinlet @ 55° with shiny silver	1		\top	П										93.3	
	-	metallic			\top	Π			†							96.3	
					Т	\sqcap										99.4	
		13.0: considerable disseminated magnetite in feldspar	-4	Mte	Т	П					1					102.4	t
		porphyry	1		\top	П	1									105.4	ľ
		-strong carbonate alteration in feldspars				П			1							108.5	ľ
						П										111.6	ľ
	1	13.3: 2 cm zone of silicification and chlorite alteration			8	П					1	-				114.6	t
	1,3	with irregular patches of quartz-carbonate	1			П	1				1					117.7	ľ
		-thin veinlet @ 90°	T		\sqcap	П					1					120.7	İ
		-disseminated grey sulphide and a fine silvery mineral		gr		П					1					122.2	ľ
		(native Ag?)	tr	Ag?		\coprod	2934	14.0	16.0	2.0	40.001	0.08	0.02	0.12		125.3	ſ
						П										128.6	ľ
						П										131.7	ſ
						П										134.7	ſ
		14.3: 1 cm veinlet of quartz-calcite with chlorite alter-				П										137.8	ſ
		ation along walls and a potassic alteration selvage 5 mm				\prod										140.8	I
		wide				П				-						143.6	ſ
	-	-host rock typically contains magnetite and chlorite now	3	Mice	II.	П										Ξ	Ĺ
		15.9: 1 cm quartz/carbonate veinlet with chlorite rims and	tr	Ag/2\	4	${\sf H}$					 						ŀ
		potassic selvage @ 35°	LF	Ag(?)	Щ.	₩.			<u> </u>								L

		EMMON	I EXPLORATION	OF	C/	MADA LI	TTED				PAGE	NO: 3					
INTERVAL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	A	LT				ASSAY	rs						RECO	KATO'
rom T		Z		A:	SP	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn	T		RUN	T
	-traces native silver(?)			П	П					+		1				MIN	┿
				\sqcap	\dashv					 	 	 	 			┼──	┿
		7		11	\Box					 			 	 		├	+-
				11	11			1		+	 		 			├	╁
	16.0: 1.5 cm veinlet, as above, @ 0°	7		11	11	2935	16.0	18.0	2.0	∠0.001	0.12	0.02	0.12	-			╀
		T-	,	11	71			1			10.22	0.02	0.12			 	₩
	16.2: 1.5 cm veinlet, as above, @ 20°	7		П						+		 		-		 	╁
		1		11	11			1 1		+			 		·	├	╄
	16.5: 1 cm veinlet, as above, @ 45° with trace native	tr	Ag(?)	11	11			 		╅──			 	-		 	╀
	silver (?)	1		11	11			 		+			 			├	╀
		1	1	11	11					+			 	-		├──	╄
				11	11		· · · · · · ·	 		 		 	ļ			—	╄
		 		H	+			 		 -							↓.
	17.3: thin veinlets in fragments with native silver (?)	tr	Ag(?)	H	++			 		ļ							↓_
		+	1007	H	╫			 			ļ	 					╄
	17.5: 2 cm clay gouge	1		H	++			 				ļ	ļ			<u> </u>	╄
		+-		H	++			 		 			ļ	\vdash			↓_
	17.8: quartz/carbonate vein with chlorite @ 35°	 		H	╅┪											لخنت	┺
		+		╁┼	+			-		-					لـــــا		┺
	18.1-18.2: zone of potassic alteration with irregular	+		s	s	2936	18.0	20.0	2.0	<0.001	0.11	0.03	0.12			لنب	╄-
	quartz/carbonate veining			Ħ	╁	2,50		20.0	2.0	E0.001	0.11	0.03	0.12			 	╀
	-strong clay alteration in fractures	_		+	++					 							⊢
		 		H	++		1 7 7 7					<u> </u>				 	╄
	18.5-18.8: altered zone, as in 18.1			s	18											 _	├
		1	:	Ħ	++			 									
	19.0-19.2: clay alteratioon and gouge			s	11												▙
	-shear @ 70°			Н	11												⊢
				\vdash	††					 							├-
	19.3: quartz/carbonate veinlet @ 45°			\vdash	+					 							⊢
		1	:	\vdash	††			 		 							L
	19.9:	\top		+	╁					 							_
		+		⊢+-	++					<u> </u>							1

	PROJE	CCT: COLDEN LION HOLE: GL-84-6 N	EMMUN	r exploration	OF	CAN	IADA LID	ATTED				PAGE	NO: 4					
INTERV		GEOLOGICAL DESCRIPTION		NERALIZATION	AL					ASSA	rs .		 -				RECO	NEP
ron	To		7		AS	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RIN	Т
		20.1-20.3: irregular quartz/carbonate veining with chlorite rims and potassic selvages @ 45° + 85°				П	2937	20.0	22.0	2.0	≥0.001	0.04	0.02	0.08				十
		rims and potassic selvages 0 45° + 85°				П]						 	T
		0.7	-		Ш	Ш					Ι							Γ
-		21.4: veining as at 20.1, trends 35°	+		\sqcup	₩												Γ
		22.6: quartz/carbonate veinlet, chlorite, @ 25°	+-		H	H	2938	22.0			10.00				Ļ	L		L
		-weak potassic alteration	+		H	H	2936	22.0	24.0	2.0	20.001	0.02	0.01	0.04				Ļ
\neg		was project alectatur	╅		HH	₩			1		}		<u> </u>				—	1
		23.9: veinlets as at 22.6, 45	+		H	╁					 	ļ	 				↓	ļ
			+-		HH	H			{ {		 -		├ ──	 	├	 	 	Ŧ
.		24.8: veinlets as at 22.6 with pyrite, @ 80°	+	py	┟┼╌	₩.			┼──┤		 		├		├		┼	╀
		Maria de la companya de la companya de la companya de la companya de la companya de la companya de la companya	1		Н	Η-			}i		 	 			├ ┤		 	∔
		25.1: veinlets as at 22.6 with pyrite, @ 10°	1	ру	HH	++	2939	25.0	27.0	2.0	≥0.001	0.02	40.01	0.02			} -	╁
				14	\Box	\vdash			1		-0.002	0.02	0.01	0.02			├	╀
		25.5-25.8: veinlets as at 22.6 with pyrite, @ 85°		рУ									 				-	t
		27.4: 5 cm wein as at 22.6 @ 45°	┼		44	H												I
		-continuing in brown magnetic porphyry with carbonate	+		Н	U-					ļ		ļ				<u> </u>	L
		alteration, green feldspars and generally weak irregular	+		H	۳					 				├		↓	¥
		potassic alteration	 		+	╀							ļ		├ ──┤		├	╀
					++	H			 		 						├	╀
		31.3-31.6: potassic alteration zone with irregular quartz/		рУ	\dashv	М			 		-		 		 		├	╁
		carbonate veining and chlorite alteration		gr	\Box				—	· · · · · · ·	 		 				 	╁
		-minor pyrite, grey sulphide									1		 					t
										7.								t
		32.0: vein, as at 31.3, @ 45°	L.,		\Box	\Box	2940	32.0	34.0	2.0	∠0. 001	0.01	<0.01	0.02				T
		35.9: silicified breccia zone, irregular veinlets	-		4	Н.	2941	3/ 0	20									Γ
		Transmission of the state of th	+-		s	╁	2941	34.0	36.0	2.0	40.001	0.01	<0.01	0.02	\vdash	· · · · · · · · · · · · · · · · · · ·	L	L
		36.5: quartz/carbonate vein with chlorite, trace pyrite	tr	DY	+	+			 								<u> </u>	╀
		@ 55°	╅		++	⊢			 								└	L

NIERVAL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AI.	rT				ASSAY	s						RECO	100
com To		1 %		AS	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn			RUN	7
	42.2: irregular veining generally @ 45°, cut by carbonate	1			\sqcap	2942	42.0	44.0	2.0	20.001	0.02		0.02	+	┼──	+ NUT	+-
	vein @ 80°	1			T			1		1 0000	10.00		10.02	 	┼─		┿
		1			т					 	 -	+	 	+	 	 	+
	42.7-42.9: quartz carbonate vein 23 cm wide @ 45° with	1		т	T			1		 	 	+	+	 	 	—	╀
	potassic alteration selvage 2 cm wide				ш			 		+	┼	+	+	┼		₩-	+
	-minor breccia with potassic altered fragments	1		\vdash						 	 	 	 	 -	——	┼	+
			 	\vdash	H			+		+	├	+	┼──		├	—	4
	43.7: breccia zone with quartz/carbonate matrix, minor	tr	py	Н	H	•		 		-	 -	-	 	 	↓	—	4
	chlorite	+-	17	\dashv	H					 -		 	 			 	4
	-trace pyrite	+-		\dashv	┰			+		 	 			 	↓	↓	1
		+-		Н	╌					ļ			ļ	 		↓	1
	44.2: irregular fractures fillings of quartz-carbonate	+	 	Н	╁			 			<u> </u>	 	ļ	<u> </u>	<u> </u>	↓	1
		+	 	+	+					ļ				<u> </u>	<u> </u>	Ļ	1
	50.2: 2 cm quartz/carbonate vein with chlorite @ 45°	┼			+	2943	48.0	50.0				 	4			<u> </u>	l
		+		╼╁╌┨	Η-	2743	40.0	30.0	2.0	<0.001	40.01	<0.01	0.01				I
	53.1: 1 cm quartz/carbonate vein with chlorite @ 60°	┼		┥┥	+	2944	52.0	E/ 0	•	0.000							I
		+-		+	+	2544	32.0	54.0	2.0	∠0.001	0.10	0.01	0.01				Ι
	62.1: 1 cm quartz/carbonate wein blade barite(?) crystals,	├-		-+-		2945	/1 A	1									Ι
	and weak chlorite @ 50°	┼		╌┼┼	+	2943	61.0	63.0	2.0	<0.001	<0.01	0.07	0.02			1	Ι
	-weak potassic selvage	╁			ᆎ												Ι
		├		++	" 				<u> </u>								Ι
	63.9: breccia/veining of quartz/carbonate with chlorite	-	DY	+	+						·		1				Γ
	and disseminated pyrite	 	P2	+	+				··								I
		-		-+-+	+					1.0							Ι
	64.0-67.0: irregular patchy zones of quartz/pink calcite	├			+-	2946	64.0	- A				1					Ι
	veining with adjacent breccias up to .5 m long	\vdash		++	+-	2940	64.0	66.0	2.0	<0.001	0.10	0.01	0.04				Ι
	-weining tends to be at 45° or 80°			╁┼	+-				 								Ι
		-		++	+-						·						Γ
	66.7-66.8: disseminated pyrite in parallel veins	-	py.	++	+-	20/7	((0					- 3 B					Γ
	Manager vella	+	PY.	++	+-	2947	66.0	68.0	2.0	∠0.001	0.28	<0.01	0.02				Γ
				44				L		3 11	1 177	400					Т

中國 建事件 医二氏管

		MON	T EXPLORATIO	ON OF	C	ANADA LIJ	MITTED				PACE	NO:	6				
INTERVAL	GEOLOGICAL DESCRIPTION		NERALIZATION						ASSA	YS						RECO	VER
rom To		Z		A	SP	SAMPLE	FROM	70	LENGTH	Au	Ag	Pb	Zn			RUN	T
	67.9: 1 cm quartz/carbonate veinlet with chlorite @ 45°	<u></u>	Py										1			1	\vdash
	-disseminated pyrite, trace chalcopyrite, native silver(?)		сру	$\perp \Box$							1				·		T
		L_	Ag(?)	\Box							1	T		1			T
												1				 	H
			<u> </u>	Ш						T		1					1
	69.3: 1 cm quartz/carbonate veinlet with chlorite @ 60°		<u> </u>	Ш									1				T
	21.2	L_	<u> </u>							\perp	I						T
	71.3: thin weinlets, as above @ 50°	<u> </u>	<u> </u>	-11	\perp												Г
	-host rock is still the brown, fine grained feldspar		Mte	Ш	\perp						T						Г
	pyroxene porphyry with carbonate alteration and disseminated	4	He	$\perp \! \! \! \! \! \! \! \perp$	\perp								T				Г
	magnetite and hematite	L		Ш	1												r
				Ш	ᆚ	0.74											٢
	72.5: rock grades slowly into grey (calcareous) matrix			М									T				Г
	with green feldspars, increased argillic alteration, little/ no magnetite or hematite.	ļ		44	_												Г
	-irregular microfractures with carbonate	_		-11	4.												Г
	-irregular microrractures with carbonate			\dashv	4												Γ
	75.0: gradual change to potassic alteration feldspars,	tr	1.6	-11	-	00/0											Γ
	carbonate alteration in pyroxenes and carbonate filling of	LI	Mte	-++	М	2948	73.0	75.0	2.0	<0.001	₹0.01	<0.01	0.02				Ω
	matrix spaces	├	 	-+-	+-	2949	75.0	1		 		<u> </u>					Г
	-trace magnetite	<u> </u>		-+-	+-	2949	75.0	77.0	2.0	≥0.001	<0.01	-0.01	0.02				C
	-no longer have pink calcite or chlorite in veins		 	-1-1	+					 		L					
		-		++	+			 		┼	ļ						L
	76.0: quartz/carbonate veinlet @ 80°			++	+	2950	77.0	79.0	2.0	1-0 001							L
		_		++	╁┤	2750	17.0	79.0	2.0	<0.001	0.01	<0.01	0.04				L
	78.0-78.1: carbonate veinlet @ 30°	-		+	+					 							L
		_		++	╁			 		╁		 					L
	78.3-78.5: clay gouge			++	+			 		 		 					L
				++	H			 		+	 	 					\vdash
	79.2: low carbonate/quartz veinlet with minor chlorite			++	+	2951	79.0	81.0	2.0	20.001	-0 O	<0.01	0.00				4
]	@ 50°	_		++	╅┥			"	2.0	-0.WI	L 0.01	1-0.01	0.03				٦

																			
NIERV		GEOLOGICAL DESCRIPTION		NERALIZATION							ASSAY	'S						RECO	NE
rom	То		X		Α	S	P :	SAMPLE	FROM	TO	LENGIH	Au	Ag	Pb	Zn	Т	T	RUN	Τ
		83.2: carbonate veinlet @ 45°	丄			П	\perp					1	1		 		 	1	+
		-rock has distinct strong pink alteration of feldspars, set	1		\perp		M					1		 	 	 	 	 	+
	·	in a grey green gritty matrix with disseminated hematite				\Box	Т									 	 	 	+
		-pyroxenes have white carbonate alteration	-		\perp	П	I												t
$\neg \dagger$		83.7: abrupt change to green or white feldspars with grey-	tr	mte	+	Н	+-	2952	83.0	85.0	2.0	-0.001	-0.01	0.03	0.00				Į
		green pyroxenes	+=-	=	+-	╁┼	+-	2752	٠.٠٠	0.0	2.0	20.001	20.01	-0.01	0.02	├ -	├	 	1
		-weak chlorite alteration	 	 	+	H	┿			 		 	 	}		├	 	<u> </u>	1
		-weak magnetite	+	<u> </u>	+	H	+-					 		 -		 	└	<u> </u>	1
		-set in fine grained red-brown matrix	 	 	+-	⊦┼	+-					 -		 		 	├ ──	↓	1
			+-		+	Н	+-					 -	 	 	!	├	 	├	1
		83.9: carbonate veinlet @ 60°	1		+	\vdash	╁			 		╂	 	ļ	 	 -	<u> </u>	<u> </u>	4
					+	\vdash	+-			 		 -			 	 	 -	 _	1
		84.1: carbonate veinlet 6 90°			7		+-					 		 	 	}	 	 	+
					\top	+	1			 		 		 	 	├		├	╀
		84.9-85.0: well fractured section with clay alteration			8	\top	+					 	 	 	 	 		├	╀
					77	\top	+					 	ļ	 	 	┼	 	├	╀
		85.0: abrupt return to pink altered feldspars, as previ-	2	he	77		1			 		 		 	 	 	 		╀
		ously	tr	mte	\sqcap		1					 	 -		 	 	 	 	╀
		-carbonate in fractures, in matrix, and as pyroxene alter-			\prod		T					 		 	 		 	 	╁
		ation					T							-	 	 	} 	 	╁
		-hematite			\prod	$oldsymbol{\perp}$	Γ							 -		 	-	 	╁
-		-minor magnetite			\prod	${\mathbb T}$									 	 	 		+
-		85.5: 6 mm clay gouge @ 35°			П	\perp	I										 	 	t
		oo-o- o min cray gonge e oo			8	4	1												t
		86.5: thin carbonate veinlets @ 45-60°			44	+	+-												T
		Comment (Calificial C 17700			- -	+	+-												
		87.2: increase in argillic alteration but still with some	╌┤		╁	-	┼												Γ
		pink feldspars	╁╾┤		+4	-+-	-												Ľ
			\vdash	~ `	++	+	┰										L		

INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		ATION	ALT				ASSAY				ECOVE			
rom	To		12	1	A	SP	SAMPLE	FROM	OT	LENGIH	Au	Ag	Pb	Zn		RI	
		89.8: 45° shear with stronger clay alteration	\neg		$\neg \neg$	11					 	1-3-	 				``
	-	-section is variable from potassic to argillic alteration	7			11			1		 		†				-+
		-little veining	7:-			H					 	 	 	 		-+	-+
				1		\vdash			1		 		-				
		90.5-91.0: potassic alteration and considerable dissemin-	8	ру		s	2953	90.0	92.0	2.0	0.015	0.14	0.05	0.14			
		ated pyrite		1 **		11			1		10.023	10027	1	0024			
				T		 -			+		+	 	 			-+	-
		90.8-91.7: strong shearing and clay alteration leaving	1	py	8	1			+	·	+	 	 	 			-+
		sandy granules in a clay matrix	+-	17	+-	++-	ļ		+		+	 	 				-
		-shearing @ 70-75°	+	 		H			+		 	 -	 	-			
		-winor pyrite remains	+	 		╁┼							 	 		—⊢	
		A CONTRACTOR OF THE CONTRACTOR	+-	 		+-			+		+		 				
		91.5: intense silicification in a small zone within the	+-	Dy		8		 	 		├ -		ļ				-
		clay alteration: disseminated pyrite, grey sulphides	+-	gr		* -			 		 	-					
		and the second s		B1		╂╂╾							ļ				
		91.7: irregular fragmental zones, strong silicification	+-	Py		8			-		 		ļ				
		disseminated pyrite, grey sulphide	+			 - 	2954	92.0	100	2.0	0.000	0.00	L				
		year, grey authine	+	gr		₩	2534	92.0	94.0	2.0	0.008	0.03	0.02	0.03			
		-rock here shows irregular stockwork of quartz/carbonate	 			8 8			 		-		<u> </u>				_
		veins, pink potassic altered fragments, strongly silicified		 		18 8						<u> </u>	ļ				
		grey white fragments, many fractures with clay alteration	`			╁╁╌					 		 				
		-disseminated pyrite 2-5%	15	py		₩-			1	<u> </u>	1						
		-grey sulphides	+-	12		╌					ļ		<u> </u>				
		-many veinlets @ 45°	+			Н−			ļ		-						
			+	 -			<u> </u>				 		ļ				$-\!$
		93.3: 3 cm clay gouge @ 45°	+	 -	s	╁			+		ļ	<u> </u>		<u> </u>			
		-contact within the above sheared-siliceous zone with a	+	 	s	╫	2955	94.0	96.0	2.0	-6.003	0.00					
		grey tuff	- 			₩-	2933	94.0	36.0	2.0	≥0.001	<0.01	≥0.01	0.02			
		3-7	+			╂┼┤			1		-					\perp	
			+	 		H											\perp
						ш			L		1					1	_ i.

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	PROJEC	PROJECT: COLUMN LION HOLE: CL-84-6 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 9																
INTERVAL		GEOLOGICAL DESCRIPTION	MINERALIZATION		A					ASSAY				RECO				
From	To		2		A	SP	SAMPLE	FROM	10	LENGIH	Au	Ag	Pb	Zn		Ţ	RLN	
95.0	143.6	Grey feldspar crystal tuff, with moderate argillic alteration	4	he	M	\top												
		-grey to green (montmorillonite altered) feldspar crystals	tr	ру	П	Т												
		set in a gritty matrix			П													
		-relatively fine grained, very few mafics, (no octahedral			П	\mathbf{I}												
9.7	-	pyroxenes)			П	Ţ												С
		-disseminated hematite, trace pyrite			П	Ι.												
		-carbonate alteration of matrix			П	Т												
					П	1												
		97.9-98.1: moderate potassic alteration and weak silicifi-			IJ	WID	2956	96.0	98.0	2.0	<0.001	0.70	∠0.01	0.02				
		cation, associated with quartz-carbonate vein 65°			П	T												Г
					П	T	2957	98.0	100.0	2.0	0.012	0.09	0.12	0.10				Г
		98.4: thin clay gouge seams @ 0°			П	Τ												Γ
					П													Γ
		98.8: 1 cm quartz/carbonate vein with hematite @ 55°, cut		He	П													Γ
	· ·	by other irregular stringers			П	Т												Γ
					Π	Т												
		99.2-99.4: thin clay gouge seam @ 45° followed by potassic		Py	П	MS											-	Г
		alteration and quartz-carbonate veining with disseminated		gr	П	1												Г
		pyrite, grey sulphide			П	\perp												
					П													
					Π	\perp												
					П	Γ			7.5									Г
		99.4-99.7: strongly silicified zone with minor carbonate	4	Py	П	8												Г
		filling late fractures	4	gr	П	\perp												
		-pyrite and grey sulphides			П									L				Г
					П	\perp												Γ
		99.7-99.9: potassic alteration halo with fractures and			П	s s												
		silicification			П	\perp												C
					П			, e, b,										Ĺ
		99.9-100.2: clay alteration and fractures	_		8	1	2958	100.0	102.0	2.0	∠ 0.001	-0.01	-0.01	0.02				L
		100.6: 5 cm carbonate vein @ 45° with parallel hematite stain			Ц	1				L	L		L	L				L

				T EXPLORATION							1 ADC	NO:	10				
INTERV		GEOLOGICAL DESCRIPTION		NERALIZATION					ASSA	'S						RECO	ÆΚ
rom	To		Z		AS	P SAMPLE	FROM	70	LENGTH	Au	Ag	Pb	Zn			RUN	
		-rock continues as same grey feldspar tuff with irregular	1		Ш					T							_
		carbonate veining and clay on fractures								1		 	1				-
		100 / 100 /			Ш							T					Г
		102.4-102.6: minor breccia with carbonate filling followed		Py	Ш	2959	102.0	104.0	2.0	∠0.001	-0.01	<0.01	0.02				Г
		by potassic alteration zone with quartz/carbonate vein		gr	M												Г
\rightarrow		-disseminated pyrite, grey sulphide			Ш												Γ
\dashv		105.0: continue in grey tuff with variable potassic alter-	+-		H			-									
		ation and dark green chlorite alteration	╅		H			1		ļ			1				Ĺ
		The state of the s	+-		HH		ļ	1					<u> </u>				
		107.2: 5 cm banded quartz/carbonate vein @ 65°	+		╌┼┤	2960	106.0	108.0	2.0	10.000		 		$oxed{oxed}$			L
		-clay alteration along contact	+		+++	1 2300	100.0	100.0	2.0	<0.001	0.09	0.01	0.02				_
			1				 	<u> </u>		 		 	 	 			-
		109.9: clay fractures and carbonate veinlets @ 0°			М					-		 	 	 			_
		110.3-110.5: quartz-carbonate breccia filling zone with	┼														_
		distinct green chloritic edges at contact	+		44	4											
		-thin potassic selvages	+		+1	 		11	1								Ξ
		-weak pervasive potassic alteration in rock			++												_
		The state of the s	+		+++	 											_
		110.7: 5 mm clay gouge @ 0°	+		-++	2961	110.0	112.0	2.0	-0.001	-O 01	-0.01	1000	 			_
			1		++		110.0	112.0	2.0	-0.001	*0.01	40.01	0.02				_
		111.1: quartz carbonate veinlet @ 0° with minor chlorite			\Box							 	 	 			_
		111.3: quartz carbonate veinlet @ 45°	1-		11												-
		quite thinke (4)	+		-++												_
		111.8-112.0: carbonate veinlets @ 30°	+		++	+											_
		-rock is grey, fine grained, with considerable carbonate	1-1		++	 								$oxed{oxed}$			
		alteration in matrix	+		++	+		 									_
		-veins up to 1.5 cm tend to be at 20-30°	+		++	 		 							I		
		-irregular hematite staining	╅╼┪		++	+				 							_

	PROJE	10000	MON	r exploration	OF	CA	NADA LI	MITED				PACE	NO:	11				
INTERV		GEOLOGICAL DESCRIPTION	MI	VERALIZATION						ASSA	YS						RECO	SET.
rom	То		X		AS	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn	r		RIN	YEA
		121.8: begin pink potassic alteration		:		M	2962	120.0	122.0	2.0	<0.001			0.02		 	RUN	╁
						TT			1		10000	0.02	-0.01	0.02			+	╄
		122.0: quartz/carbonate veinlet @ 30°			\neg	П	2963	122.0	124.0	2.0	≥0.001	-0.m	0.03	0.03	 	 -	+	╄
						\Box			1		+ 5,502		10.00	10.00		├ ──	+	╄
		122.1: 2-3 cm quartz carbonate vein with strong potassic		gr	s	8			+		+	 	 	 		├	├ ──	╄
		alteration selvage @ 10-20°				Ħ			╅╼╌╾╅			 	 				—	╄
		-considerable grey sulphide				††			 		+	 	 	<u> </u>		├ ──	 	₽
					+	H			1			}	}	 	ļ	↓	↓	Ļ
		122.3-123.2: intensely silicified zone		py	s	남					+	ļ	 				↓	L
	2.11	-quartz-carbonate vein with chlorite @ 40°; disseminated	_		ザ	⇈			┼				<u> </u>					L
		pyrite	_		+-	╁┼					 							Γ
	-	-strong potassic alteration with disseminated pyrite -finish in quartz/carbonate vein @ 45° with hematite stain-				╁┼			├				<u> </u>					Г
		-finish in quartz/carbonate vein 6 45° with hemetite stain-	-		-	H			├ ──┼									Г
		ing			-	╀			├ ──-									Γ
					+	╀												Г
		125.0: common quartz/carbonate veinlet direction @ 20°				╀		<u> </u>	 									Г
			┝┈		+	H												Γ
		125.8: clay fractures and gouge @ 10°			-	╙							1					Г
	5.15	-rock passes into stronger green montmorillonite alteration	-		s	Н-												Г
		of feldspars set in grey gritty matrix	-		44	+												Γ
					44	4												Γ
		126.3: becomes strongly silicified with lessor carbonate,			+=1		2004			-								Г
		bleached fragments in a breccia		ру	S	4	2964	126.0	128.0	2.0	<0.001	40.01	<0.01	0.02				Г
		-disseminated pyrite			++	-												Γ
					++	+												Γ
		126.8: potassic alteration ends and return to grey tuff			#													Γ
		tetati w grey and			4	W												Г
		127.1: resume potassic alteration with irregular carbonate			44	+												_
		stringers			44	M												_
					44	4												_
		128.6-130.2: weak bleaching and irregular, carbonate/quartz			\coprod	+												_
$\neg \neg$		veinlets in part making a weak stockwork			M	M												

	PROJE	CCT: COLUMN LICH HOLE: CL-84-6 NO	M'TLEY	T EXPLORATIO	N OF	CA	NALIA [.]	MITED				PAGE	NO: 1	2				
INTER		GEOLOGICAL DESCRIPTION	МІ	NERALIZATION	AL	T	····································			ASSAY	S						RECO	A) FILE
ron	То		7		AIS	P	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn	1	T	RLN	Ë
		130.2: carbonate/quartz veinlet @ 35°, followed by stronger			MS	ist	2965	130.0	132.0	2.0	0.009			0.03	 		1 RUN	╁
		potassic alteration and silicification with quartz/carbonate		1	7	††		 	1		1 0.003	0.17	0.00	10.00	 	├	├ -	╄
		veins		<u> </u>	7	11		 	+		 	 	 	 	 	 	 	╀
		-many fractures with clay alteration		T	11	11		 	 		 	├	 	}	 	 	├──	₽
					77	11		+				 	 				 	╀
		131.2: continue in same zone but with stockwork/breccia	1	ру	MS	İst		 	+	 	┼	 		 			├	╀
		textures	 		++-	1		 	 	 	 	 	 -	 			├	₽
		-green chlorite-clay alteration	 	 	++	++		 	+	ļ	├		 	├ ──	<u> </u>		├	L
		-pyrite common in veinlets	-	 	++	╁┼		 		 	 				ļ	ļ		Ļ
		-strongly bleached rock fragments	 		++	++		}	 	ļ	ļ			<u> </u>	 			L
			 		++-	╁┼		 	+						 _	<u> </u>	<u> </u>	L
		131.7: end alteration zone and return to grey tuff with	3	he	++-	₩											<u> </u>	L
		green feldspars and disseminated hematite	1	 ```	++-	╁┼	 -	 	 				ļ		<u> </u>	<u> </u>		Ĺ
			-	 	++	₩		 					<u> </u>		<u> </u>			Ĺ
		132.7-132.9: quartz/carbonate veins 2 cm wide @ 40-50° with	-	 	HM	H		{					L	<u> </u>	L			Ĺ
		moderate potassic bleaching		 	++1"	1		<u> </u>		·								
			-		++-	╁┼		 _	1					<u></u>				Γ
		133.2-134.9: considerable irregular veining, with some @ 90°	-		++	H			-									Γ
		Tregular venting, with some (50	-		++-	₩												Γ
		135.3: quartz/carbonate vein @ 45° cut by veinlet @ 90°			+-	11		 			L						[Γ
$\neg \uparrow$		The state of the s			++-	╀		ļ										Γ
		135.6-137.0: Numerous small veinlets @ 45-60°			++-	H		ļ										Γ
		TOTAL ADMINISTRAÇÃO			++-	Н		ļ		·								Γ
		137.3-137.6: quartz carbonate breccia zone with veining	tr		++-	\vdash	·	ļ										Г
			tr	ру	++-	Н.		<u> </u>										Γ
		-minor pyrite, traces grey sulphide	4	gr	++-	Н.		<u> </u>	 									Γ
		gro) suspices			+	₩.			 									Γ
		137.9-138.5: quartz/carbonate veins up to 5 cm; and breccias		البجنبيا	╂╂-	Н	0044		1									Г
		@ 40°-60°	-	155	++-	1	2966	137.0	139.0	2.0	0.004	∠0. 01	0.01	0.03				~
-		-rock matrix has considerable hematite			444	\vdash			11				-					Γ
$\neg +$		The constitution (Signification)			+	Щ	· · · · · · · · · · · · · · · · · · ·											Г
_					Ш	Ш			\perp									_

INTERV		GEOLOGICAL DESCRIPTION	MI	VERALIZATION	1	LT	T	****		ASSAY	S						RECO	OUC!
From	То		1 %		A	SP	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn	T	T	RUN	芒
		139.6-139.8: quartz/carbonate vein/breccia with disseminated	-	РУ	\sqcap	M	2967	139.0	141.0		0.016		≥0.01	0.02	 	┼	TALLY .	┿
]		pyrite, trace grey sulphide	tr	gr	П	7			1			-	1	10.02	 	 	┼	+
		-potassic alteration and bleaching of fragments			П	T	7.0	1	1		 		 	 	 	 	┼	+
					\sqcap	T							 	 	 	 	┼	+
		140.9-141.0: carbonate/quartz breccia zone with minor			W	W							 	 	 	 		┿
		potassic alteration			П	T		1				 	 	 	 	 	 	+
		-thin fractures with moderate clay alteration to end			П	T		1					 	 	 	 	├	╁
					77				1			 		 	-	 	├	+
		143.6: END OF HOLE			П	T			1				 		 	 	├	+
				1 4- 1	П	7		—	1				 		 	 	 	+
					П	T								 	 	 	├──	+
					П	T							 		 	 	├	+
					11			 	1				 	 		├	├	+
					\sqcap			 	† <u>†</u>				 	 		 	 -	+
					П			 	1				-	 		 	├	+
					TT	T							 	 	 	 	├	+
					11	\sqcap			1				 -	 	 			+
-+					11	\top		 	1						 	 	 	+
\rightarrow					Π	T			1						 	 	 	╁
					П	П			1						 			╁
					П	П		<u> </u>	1						 			╁
					П	П			1						 	 		╁
					П	П			1					<u> </u>	 		 	╁
					П	11									 			╀
					П	\prod										 	 	+
-+					П	П												╁
					\prod	\prod											 '	╆
-+					П	П												+
-+					П	\coprod									,		i	+
			- 1		П	П											,l	+

NEWFIXIT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVIL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIN	117.7 m	HOLE NO.	GL-84-7
LOCATION	540N, 250E	collar	2200	-450	Compass	CORE SIZE	BQ	SIEET NO.	1 of 14
ELEVATION	1800 m	117.7		-450	Acid	TOTAL RECOVERY	90%	TUCCED RA	G. McLaren
LATITUDE	542 ⁰ N					STARTED	July 24/84	CLAIM	Golden Lion 2
DEPARTURE	250.4E					COMPLETED	July 27/84	PURPOSE	702304 2204 2

NIEK		GEOLOGICAL DESCRIPTION		NERALIZATION	AL	I				ASSA	YS					RECO	YUET
1000	To		Z		AIS	उन	SAMPLE	FROM	TO	LENGIN	Au	Ag	Pb	Zn	1	RLN	T
0	6.1	Casing	Γ_{-}		TT	П				1	 	1	1-5	+ =	++		_
					\sqcap	Π		 		1		1	 	 	+	6.1	
4	9.7	Purple felspar crystal tuff with intense argil-	8	He	S	П				 		 	 -	+	 		
		lic alteration			П	П			1	1	+	 	+	+	++		
-		-white feldspar crystals and quartz grains stand			П	Π			1	 	 	 	+	+	++	11.0	
		out in relief from a thoroughly argillically			11	Π			+	 	+	 	┼	+	+	12.2	_
		altered fine matrix			П	11			 	 	+	+	+	+	+	14.0	-
		-fresher rocks elsewhere in section show densely			\sqcap	T			+	} 	+	+	+	 	╁╼╼┼	17.1	ч-
		packed feldspar crystals with carbonate alter-			П	Ħ			+	 	+	 	 	 	+	18.3	-
		ation, plus quartz grains set in a red hema-			11	Ħ			+	 	+	┼	+	 	 	20.4	ч-
		titic matrix			\vdash	H			+	 	+	┼	 	 	┼	22.6	-
		-disseminated hematite is common (5-8%)			-	⇈			+	 	+		}		╁╼╼╁	25.6	4-
		-rock exhibits a strong penetrative shearing			\vdash	H			+	 	 	 	 	├ ──	 	277	ч.
-		with pervasive clay alteration of the matrix			H	H			+	 	+	 		} -	1	29.3	-
		and local intense clay gouge zones			H	H			 	 	 		┼	}	╀	32.3	۰.
		-shearing tends to be @ 200 but with some cross-				H			 	 	 	 	 	 	├──┼	35.4	
		cutting @ 50-60°				H			+	 	 	 	 	 	 	38.4	
			_		H	H			 -		┼──		 	 	 	41.5	_
		7.0: clay gouge	-1		Н	┢╋					├ -		├		├	44.5	-
			-		+	H			 	ļ	┼		├ -	<u> </u>	 	47.5	_
		8.2: 3 cm clay gouge @ 00			77	H			 		 		├	 -	 	50.6	_
			_		++	H			 		 		 		 	53.6	_
_		8.5: 3 cm banded clays @ 500	_		++	\vdash			 		 	 -			 -	56.7	-
_					++	\vdash										59.5	_
		8.6: 5 cm clay @ 20°			++	十			 		 			ļ		61.6	_
			-		++	一										64.6	1
-	I	8.8-9.0: brown clays in shear zone with sili-	_		$\frac{1}{s}$	+	200					-		<u> </u>		66.7	_
- 1	T	ceous fragments/pebbles in clays	-+		W		2968	9.0	11.0	2.0	0.003	0.01	Ø.01	0.01		68.9	

. .

	PKOJE	CT: GOLDEN LION HOLE: GL-84-7	EWU)	IT EXPLORATION	1 OF	C	ANADA LIP	(ETT)				PACE	N):	2			
MIEK		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	A	LT				ASSAY	rs	·				RECO	OVE
LOE	To		X		A	SP	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn		RUN	T
		-siliceous fragments have carbonate fractures			Π	\Box			T		T		1	 		74.	
		-also appear to have potassic alteration (pos-			\prod	W					1			1		77.	7
		sibly giving colour to clay as well)	\perp		Π	П					1					80.	_
					\prod	Π						T				83.	1
		9.6: finish section in red hematitic clay		He	s	П					1		 			86.	
			\top		П	П						 	 	 		88.4	-
9.7	10.3	Bleached zone within the clay altered tuff	4	Py	W	П			1		1		 			89.6	
		-buff coloured rock with weak silicification and	\mathbf{I}		$\prod i$	W						<u> </u>	 			90.8	
		disseminated pyrite	\mathbf{I}		П	П							† — —			92.3	
		-well fractured with weak potassic alteration			П	W					 					93.3	_
		selvages			Π	П					 		 			96.3	
		-some dark grey clays in shears @ 300			П	77					!		 			99.4	
		-carbonate in fractures			П	П			1		 		 	-		102.4	_
	1 1 1	-minor green chlorite	1		T	11					 						_
					T	11					 					105.5	
0.3	12.2	Intercalated grey and purple feldspar tuff with			s	11			 		 		 			108.5	
		intense argillic alteration	1		Ħ	††			 	 	 		 			111.6	
\Box		-same tuffs as above but with distinct colour	_		††	††			-				-			114.6	
		variations and strong shearing	_		11	11			 		 					117.7	4-
			 		11	++			 		 						╄
2.2	_28.8	Purple feldspar tuff with strong argillic alter-	15	He	s	††	2969	15.0	17.0	2.0 4	0.003	0.01	20.0	20.01			╀╌
		ation	†=		17	11							1				┼-
,		-matrix of rock is still strongly argillically			tt	11							 			 -	╁
		altered and coloured by hematite, but fewer			Ħ	11					 						╁
		intense clay shear zones			11	††										 -	╀
		-feldspars stand out in relief	1		11	11	-						 				┼-
	4.4	-well fractured @ 20-45° and @ 20-90°		-	11	11										 -	╄
						11							 				┼-
		14.0: 8 cm clay gouge zone			s	††											╀╌
					1	11											╀
		21.0, 26.0, 27.7: 3-5 cm clay gouge zones			s	††											┺
Г			1		١ ٣ -	++										!!	

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		CT: GOLDEN LION HOLE: GL-84-7 NO			•	CANADA L	Julia				PAGE.	NO: 3					
INTEX		GEOLOGICAL DESCRIPTION		ERALIZATION	ALT				ASSA	YS						KECO	NE
,LOGI	To		X		AS	SAMPLE	FROM	10	LENCIH	Au	AR	Pb	Zn	1		RLN	Ť
		-pervasive shearing still dominant @ 200, but			Ш					1	T-**	1	1	1		-	t
		still cut by higher angle shears				I					1	1					t
					Ш					1				1			t
		28.7: finish in clay gouge with pronounced			s	2970	27.0	29.0	2.0	0.003	0.01	<0.01	0.02				t
		shearing @ 20°								1		1					t
0 0	05 3				Ш												İ
**	03.3	Potassic-Siliceous alteration zone	1-		HH	+	 	 			 -		ļ	\vdash			1
8.8	39.0	Intense Siliceous and potassic alteration zone	4	He	s	d	 	 		+	 	 		├		<u> </u>	╀
		with quartz veining	1	DY	117	1	}	 		+	 	+	 	├			╀
		-very hard, orange-pink, potassic with only		sphal	 	 	 	 		+		 -		├			ł
		relict textures from the original rock	\vdash	Ga	++	 	 	 		 		 		├──┤			ł
		-feldspars are visible with weak green montmoril-	\vdash		111	 	 	 		+	 	 -		 - 			ł
		lonite alteration	Н		11	 	 	 		+	 	 				-	╄
		-locally matrix is calcareous				 	 	 		1	 	 	 	├			╀
		-original rock type not definite (probably brown			111	 	 	 		+	 	 		 			₽
		feldspar - pyroxene porphyry)			1	 	 	1		}		 		├	+		ł
		-rock is well fractured and healed by silica	\vdash		\Box	 	 	 		+		}	 				H
		-quartz yeining is dominant with later calcite				 	 	 		-		 					H
		crystals in some veins and in fracture planes					 	 		 		 		 			H
		-disseminated hematite				1	 										H
		-disseminated pyrite locally			\Box			 		1			-	+			H
		-veins carry pyrite, galena, sphalerite			\Box												r
\exists		NB: CORE CAN BE VERY SHATTERED AND GROUND, HENCE LOW RECOVERY															F
																	H
		29.6; 1 cm grey quartz carbonate vein with acanthite		ac	+	2971	29.0	30.0	1.0	40.0 03	0.02	0.01	0.04				F
					П											_	۲
-+		30.4: 8 mm grey quartz/carbonate vein @ 300	لسا			2972	30.0	31.0	1.0	₹0.003	0.02	<0.01	0.04				г

	1.400	ECT: GOLDEN LION IDLE: GL-84-7 NE	MMUN	EXPLORATION	UR (CANADA LI	MITED				PACE	NO:	4			
MEM		GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT	T			ASSA	vs.					KEO	YAT
rou	To		X		AS	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn		RUN	Ť
		-this flares into a thin quartz/carbonate vein			\Box					1	-25	 			-	┿
		@ 850 running to 30.7 with traces of acanthite	tr	ac	\Box			1		 	1	}	 			┿
					\Box	1				 	 	 	11			╁
		31.3: 1 cm quartz/carbonate veinlet @ 500 with		ga	Π	2973	31.0	32.0	1.0	0.003	0.01	0 37	0.06			+
		concentration of very fine galena			\top	7		1		10.00	7.0	10.50	12.00			+-
		-shattered core contains veinlets with grey sul-			77					1		 	 			╁
		phides			TT					1			1		-	┿
		-multiple fractures with calcite			П					1		 	1		+	十
					$\Pi \Gamma$					1			 			+
		32.8: irregular quartz/carbonate veins mainly			П	2974	32.0	33.0	1.0	0.003	0.01	0.01	0.03			+
		@ 600 others @ 450			Π			1		1	V.V.	V.V.	10.02			╁
						T				 	 					╁
		33.7: broken quartz/carbonate vein/breccia @ 600	tr	DV	TT	2975	33.0	34.0	1.0	KO.003	0.02	20.01	0.03		-	╆
		-traces of pyrite, grey sulphides			\top					10.00	V.V2	-0.01	10.03		-	╁╌
		-some clay along this fracture			TT	2976	34.0	35.0	1.0	40.003	0 12	0.10	0.46			╁
					\mathbf{I}					70.00	11416	V.10	0.40			十
		33.0-35.2: zone of quartz veinlets with dissem-	4	DY	\top					 						╆
		inated pyrite and potassic alteration - bleaching		spha1						1						╁
		-irregular veinlets contain sphalerite, galena		ga	П					1					 	┢
		grey sulphides and form a stockwork		gr	Π					1					+	╀
		-thin strong potassic selvages			Π										+	┢
					Ш					1						┢
					Π		:								+	⊢
					Π										+	┢
-+		35.5-38.2: resume stockwork of irregular quartz/	2	ру	$\perp \perp$	2977	35.0	36.0	1.0	0.036	0.16	0.19	1.86		+	┢
-+		carbonate veins with mineralization		gr	Π											┢
		-common attitudes @ 90° + 50°			Π	2978	36.0	37.0	1.0	0.022	0.08	0.03	0.10			┢
		-strong potassic alteration and weakly dissemin-			\Box										-	H
		ated pyrite			П	2979	37.0	38.0	1.0	0.024	0.16	0.10	0.23		+	-
-+		-weak stockwork with some disseminated grey			\coprod										1	Н
-		sulphides in veins		T	Π					$\overline{}$						-

	PROJEC	T: GOLDEN LION HOLE: GL-84-7 NE	MUN	L EXHINKALION	OF.	CANAIX LII	u ted				PACE 1	w:	5			
INTERV	AL	GEOLUCICAL DESCRIPTION	MI	ERALIZATION	ALI				ASSAY	S					 KECO	VE)
rou	To		X		AS	SAMPLE	FROM	Œ	LENCIH	Au	Ag	Pb	Zn		RUN	Γ
		38.0: veining increases	5	DV	\coprod	2980	38.0	39.0	1.0	0.068	0.15	0.10	0.23			Γ
		-quartz vein/breccia @ 550 with strongly dissem-		gr												Γ
		inated pyrite and grey sulphides			П	Ţ-										Γ
		-intense grey silicification multiple fractures			\Box											Г
		and re-healing with silica														Γ
					\Box											r
		38.4-39.0: strong clay alteration in shear	10	ру	S											T
		zone with attitudes near 450	- 1	gr		1				1						Τ
		-disseminated euhedral pyrite up to 10%, minor			\Box	T										Γ
_		grev sulphides			П	T										٢
		-some quartz veining				T										r
					\Box	1								$\overline{}$		t
0.0	40.2	Massive Sulphide pod in Siliceous Host			\Box	2981	39.0	40.0	1.0	0.076	0.72	6.50	26.60			٢
		-Intense silicification with near massive sphal-	30	sphal (10-	s											T
		erite-galena-acanthite-pyrite		50%)												t
		-section begins with silicification and patchy	20	ga/gr (15-	\Box	1										٢
		-section begins with silicification and patchy sulphides, then a sharp 45° contact with masses		25)	\Box											t
		of sulphides	10	py (5-15)												r
		-sphalerite is honey-brown in well fractured														٢
		angular fragments up to 2.5 cm, set in a fine				1										Γ
		siliceous matrix with irregular galena and			\Box	1										r
		other grey sulphides plus disseminated pyrite														Г
		-many fine grey veinlets cut sphalerite fragments														Γ
		but not matrix									1					٢
		-grey sulphides and pyrite appear to be later			\square											٢
		as they fill in around sphalerite, sometimes			Ш											Γ
		enclosing small fragments								4 7						Г
		-silica at least two colours, dark grey and			\prod											٢
		cream colour (crystals of grey quartz extend														r
		out into cream massive quartz)			\Box											٢
																٢
1			. "		11											Г

DYTEXVAL	L	CEOLOGICAL DESCRIPTION	MI	REPALIZATION	ALT	T			ASSA	ćS						KECO	UN RY
Prom	To		X		AS	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn			RLIN	
					Π			1		1	1	1	1				╁╌
							1	1		1						i	t
			Γ									1					1
					$\Box \Box$	T		1						\vdash			┪
			Т		\top				1	1		1		_			一
					\Box	1		T		1		1	—				H
					\top			1	i	1	 		T		$\overline{}$		┪
					\Box	1		1	1	1	1	1	— —	r			┪
					$\top \top$			1				1			$\overline{}$		T
					$\top \top$			1		1			·				H
					\top	1				1			 				۲
			1		\top			1	l	 	1		 				┝
			1		\top					1		 	t		-		H
		39.7: irregular pyrite veins @ 35-450			\top					 		 					┝
					11	1		†		 	 	 					┝
		39.9: last 30 cm have breccia textures of			\top					† — —	1	1					H
		bleached host rock with strong green chlorite(?)			11	T				 	 	1					H
		montmorillonite (?) alteration			11	1		—		 	 	 					⊢
		-sphalerite no longer dominant			11					 	 	 					┝
	100				11					 	 	 					-
0.2 8	5.3	Continue with intense potassic alteration of rock		DV	Is i	2982	40.0	41.0	1.0	0 150	0 31	5.25	5 47	$\overline{}$		\longrightarrow	┪
		with a stockwork of veins of grey-cream silica		sphal	T			1					11.34			$\overline{}$	┢
		with similar mineralization to the above zone		ga .	11												_
		-partially brecciated with bleached fragments			TT												-
		and irregular mineralized textures			П										+	$\overline{}$	_
					П												_
																	_
					Π									-+	-+		_
					П						······						-
		41.2: clay gouge seam @ 200			Π	2893	41.0	42.0	1.0	0.036	0.26	0.83	0.89		-+		-

	PROJE	CT: GOLDEN LION HOLE: GL-84-7 N	WILK!	IT EXPLIRATION	Ut-	CA	NAUA LUM	កកោ		•		PAGE	NO: 7	,				
INTEX		CEDILICAL DESCRIPTION		NERALIZATION						ASSA	YS					 -	KECO	W.
LOR	To		X		AS	3 P	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn	T		RUN	T
		41.6-42.0: potassic alteration with thin clay		ру	Is	ब ब	2984	42.0	43.0	1.0			0.13					
		coatings on fractures and veinlets @ 20-250	\mathbf{I}	sphal	П	П					+	1	1	10.20	\vdash		 	+
		-pyrite, sphalerite, galena as before			П	П	2985	43.0	44.0	1.0	0.082	0.16	0.06	0.13				+
	1.0		\mathbf{I}^{-}		П	П	1				1	****	1	10.20	1			+
1		42.1: 2 cm quartz veinlet @ 30° with mineraliz-	7	py, sphal	П	s			1		 			 	 	$\overline{}$	 	+
		ation	\top	ga ac	П	Ħ			1		 	 	 	 	 			╁
I			1		\sqcap	11			1				 	 			·	╁
			\top			11			1		1		 	 	 			┾
			T			T					+		 	 	 			╁
		to 44.0: still have numerous irregular quartz				11	2986	44 0	45.0	1.0	0.016	0 11	0.05	0 12	 		·	╀
		veinlets, carbonates minor component now			\vdash	††		77.0	77.0		10.014	0.11	0.03	V.14	 			╀
		-traces of grey sulphides in veinlets	1		\vdash	††			 		1				 		 	╀
		-disseminated pyrite throughout the potassic	15	py	╁	++			 		+		 	 	 			╀
		altered host	1		-	H			 		+		 	 	 			╄
			1	 	-	††	 -		 		 			 	 			╄
		46.3-46.6: strong silicification and breccia	+	er	s	††	2987	45.0	46.0	1.0	6 016	0.00		 	 		·	╀
		with disseminated grey sulphides			- 13	++	4301	42.0	40.0	<u> </u>	0.016	0.02	0.01	0.09	├		لـــــا	╀
		-grey and cream coloured quartz	1		1	++	2988	7.6 O	47.0	1.0	6 010	0.06			├			╀
		-chloritic-clay fractures	1		-	++	2300	40.0	4/.0	- 100 -	0.018	0.26	0.07	0.16			لــــا	╄
			1	t	-	++	2989	47.0	48.0	1.0	0.010	0.01	0.00	0.10	 			╄
			1-		+	╁┼	-2707	47.0	40.0		0.010	0.01	0.03	0.10	├──-			╄
		-continue with strong potassic alteration and	_	 	S	s	2990	48.0	49.0	1.0	0.008	0 17	0.06	0.11	 			╄
		stockwork but note that stockwork varies from		 	-1-	⇈	-770	- 40.0	77.0		0.000	0,17	0.00	0.11	 			╀
<u>.</u>		weak to strong				H					1				 			╀
I					1	11					 				 			ļ_
		49.0: fractures with much clay and thin silici-			м	M	2991	49 0	50.0	1.0	0.016	0 40	0 31	0.76	 			⊢
$-\Gamma$		fied zones			+	11		- 72.0	-50.01		0.010	0.60	0.34	0.76	/ 			┡
					\dashv	\vdash					 				,			-
					11	1					 							-
			1		77	11					 							1
		49.1: grey shear zone @ 65° followed by intense		рy	+1	1			+		 	{			$\overline{}$			-
		silicification		gr	s	+					 							-

INTER	/Δ1	CEDILUCICAL DESCRIPTION	1 1/1	DESIGN TO A TO A	7 4	- 7												
rom	To	GEOGRAPHICA	ᅷ	DERALIZATION		_	SAMPLE	FROM		ASSA	rs	,	,	,			KECO	VEX
		1	+^	 	-141	44	SAFELL	PREM	10	LENCTH	_Au_	Ag	Ph	Zn_			RLIN	L
		-well fractured and healed by silica: multi- phases and colors of silica (grey, pale green,	+-	 	╅╂	╁┤			 			 	<u> </u>	ļ	 -	 -		L
		white)			++	₩			 		 	ļ	!					L
			+	}	++	₩			-		4		!					L
		-minor pyrite, grey sulphides	-	 	44.	11							<u> </u>					E
		-host rock fragments can be strongly altered to	+	ļ	44	H								1				Γ
		clay	┦	 	++	Н												Г
		-some clay fractures	╀-		44	11								L				Γ
		 	┦	ļ	44	Ц						L						Г
			1_		11	Ц	2992	50.0	51.0	1.0	0.076	1.20	1.00	2.96				Γ
		<u> </u>		<u> </u>	\perp	Ш												Г
			1_		11	П					1							_
					Π	П										-+		_
					Π	П					1							_
					TT	П		-			1							_
			T		T	П								 				_
			T		11	П					 					-+		_
		51.0: contact with siliceous-potassic altered	1		118	s	2993	51.0	52.0	1.0	0.012	0 27	0 12	0.15		+		_
		rock @ 80°			11	۲	-775	- 2	72,0	1.0	D.012	0.27	0.12	0.13				_
		-numerous irregular quartz veinlets in weak	1		11	H					 							_
		stockwork	1		11	††					 					-+		_
		-cream quartz vein breccia cross-cut grey quartz	1		++-	11				 	 							_
		and tend to be @ 20-30°	1		††	H					 			———				_
			1		11	H					 							_
		51.6: fractures with clay alteration green	13	Pv	М	H	2994	52 0	53.0	1.0	0.016	A 20	0 03	0.09				_
$\perp I$		montmorillonite and some pink carbonates	1		#	H	-777	- 32.0	33.0		0.010	0.20	-0.03	0.09	-+			_
		-disseminated pyrite to 52.4	1		11	\vdash					 							
			1			H									-+	 -		_
		53.0: 5 cm silicified zone with disseminated	tr	ac	ls	H	2995	53.0	54.0	1.0	0.038	0 (0		0 /-				_
		acanthite, trace pyrite, @ 30°	tr		Ηď	+	4333	ال،در	24.0	1.0	p. 038	0.40	0.22	0.4/				
- 52		-cut by later creamy siliceous veinlets	1	P	H	+	 +									\longrightarrow		_
			+		╆╊┪	╌												

	PKOJI	CT: GOLDEN LION NOLE:GL-84-7 NO	WW	EXPLIRATION	OF C	ANADA LIJ	CETTI				PAGE	N):	9			
IMIEX		GEOLOGICAL DESCRIPTION	MI	ERALIZATION	ALT	1			ASSAY	rs					KECO	M-R
TOD	To		X		ASP	SAMPLE	FROM	TO	LENCIH	Au	Aø	Pb	Zn		RUN	T
		53.4-53.5: 2 cm strong shear, green clay gouge			S					1	- AX	1			+=-	+
		16 700 within a siliceous breccia with grey, cream				2996	54.0	55.0	1.0	0.006	0.11	0.08	0.12	+	+	+-
		and reddish quartz, minor grey sulphide				1									+	╆
				1	\Box					1					+	+-
		to 54.4: continue stockwork with green clay								 					+	╆
		gouge on fractures and pink carbonate veinlets				 				 					┼	⊢
					1					 					 '	╀╌
		54.5: stockwork continues into strong potassic		Py	sis	1				_					┼	╄
		alteration with disseminated grey sulphides and		gr	++	1				1					 '	╁
		trace pyrite		*	++	2997	55.0	56.0	1.0	0.016	0.12	0.08	0.26		 '	╄
		_veins at 250 + 850			++	1 2//		20.0	1.0	0.010	0.12	0.00	0.20		 	₩
					+	 				 					 -	⊢
		56.5: start to see green feldspars in potassic			++-	2998	56.0	57.0	1.0	0.020	0.20	0 06	7 70		 -	┺
		alteration zone			++	1 - 770	30.0	-37.0		0.020	0.20	0.00	0.03	+	↓	┞-
		ALLEAGE AVI AVIE			++-	 									↓	L
	· · · · · · · · · · · · · · · · · · ·	58.0-61.0: intermittent low potassic alteration			1 W	2999	57 N	58.0	10-	0.003	0.16	N N3	0.02		↓	<u> </u>
		zones	\vdash		++"	1-2333	37.0	30.0	1.0	0.003	0.14	0.02	0.04		└ ──	L
		-quartz vein with grey sulphides @ 90°		gr	++	3000	- 50 A	59.0	1.0	0.016	A 32	A 01	~~/			_
		-some disseminated pyrite and grey sulphides		- A-	-++	1 3000	30.0	33.0	1.0	0.010	0.20	0.01	0.04			L
		in siliceousbreccia zones			++-	3001	- 50 A	60.0	10	0 027	A 15	0.07			└	-
$\neg \neg$		an ozzasobotectu zones			++-	2001	39.0	60.0	1.0	0.024	0.12	0.24	0.10		lacksquare	_
$\neg \uparrow$		61.9: irregular quartz vein with trace pyrite	tr	DV	++-	3002	- 60 0	61.0		A AFA	A 05	0 00	- 30			_
		acanthite	tr		╅╅	3002	80.0	91.0	1.0	0.050	0.23	0.28	0.39		\sqcup	<u>_</u>
				ac	++-	 				1						Ŀ
$\neg \uparrow$			-		++-	2002		(2.0		0.1/0						
			+		++-	3003	61.0	62.0	1.0	0.140	0.32	0.06	0.11			Ĺ.
		62.0-62.5: intense stockwork and silicification			SS	3004		- (3)		0.000	- A 1-					
		OLIO OLIS. INTERDE STOCKWOLK AND SILICILICATION	\dashv		1919	3004	62.0	63.0	1.0	0.028	0.17	0.04	0.09			
		63.6-64.2: intense stockwork and silicification	-+	sphal	ss	2005	(2.5	-7	1.0	000						
		with sphalerite, pyrite, acanthite			1919	3005	63.0	64.0	1.0	0.028	0.43	0.09	0.23			
-+		water opinicative, pyrite, additinite		ac	╅╇┪	2006										
				ру	1	3006	64.0	65.0	1.0	0.018	0.14	0.10	0.12			_

		CT: GOLDEN LION HOLE: GL-84-7 NEX										PACE.		10			
DVIEK		GEOLOGICAL DESCRIPTION		ERALIZATION						ASSAY	rs					REC	OVER
Prou	To		X		A	SP	SAMPLE	FROM	10	LENCTH	Au	AR	Pb	Zn	T	RUN	
	ļ	64.6: 10 cm siliceous zone			Ш		3007	65.0	66.0	1.0	0.022	0.10	0.01	0.04	1	_	_
	L				Ш						T						+-
		66.0: potassic alteration becomes weaker as rock	3	ру	11	W	3008	66.0	67.0	1.0	0.024	0.18	0.03	0.08	1		+
		textures are visible; feldspar laths, locally			Ш								T				1
		altered to montmorillonite			11	Ш	3009	67.0	68.0	1.0	0.022	0.10	0.01	0.04			7
		-carbonate alteration in matrix			11	\perp											1
		-disseminated pyrite			11	Į,	3010	68.0	69.0	1.0	0.016	0.08	40.01	0.03			1
			\square	<u> </u>	44	Ш											1
		69.0: two 1 cm quartz veinlets @ 50-60° with		ac	44	SЦ	3011	69.0	70.0	1.0	0.036	0.06	0.02	0.05			1
7		scanthite, pyrite		DY	44	11											1
					11	Ц										\neg	+
			\Box		44	44											
+					44	Ш								`			+
{		70.0: 5 mm quartz veinlets @ 500 minor pyrite.		ру	44	Ш	3012	70.0	71.0	1.0	0.040	0.16	0.06	0.13			+
		acanthite		ac	44	11											_
+		72 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			++	Н											1
		72.1: thin carbonate veinlet/breccia		_ру	M	TM	3013	71.0	72.0	1.0	0.022	0.04	0.01	0.06			1
		-pronounced change to less altered feldspar -			++	44											
		proxene porphyry -carbonate in matrix			++	11	3014	72.0	73.0	1.0	0.024	0.08	<0.01	0.04			7
		-disseminated pyrite			++	H											T^{-}
		-disseminated byfite			╂╋	H											
		72.4: pink carbonate veins with chlorite alter-			14	넶	3015	77 0	74.0			~~~					\perp
		ation cutting brown feldspar-pyroxene porphyry	-1		+++	╫	2012	/3.0	74.0	1.0	0.014	0.01	20.01	0.04			$oldsymbol{\Gamma}$
		pyroxene porphyry	-+		++	₩											Γ
		72.9: return to potassic alteration over a	\dashv		++,	Н	3016	74.0	35 0		0.000						
		gradational contact	\dashv		╁┼	17	2010	74.0	73.0	1.0	0.008	0.13	<0.01	0.03			
			-+		++	H											1
		75.7: 5 mm quartz vein @ 75° with sphalerite	$\neg \dagger$	sphal	11	1 4	3017	75.0	76.0	1.0	0.062	0.01	0.06	-n			1_
		and grey sulphides cutting stronger potassic		gr	++*	77		-,,,, ,	-, 5.5	1.0	0.002	0.01	0.00	0.12			↓_
		alteration	-+	<u> </u>	11	╁	3018	76.0	77 0	1.0	0.020	- n- n-	0.02	77-775			↓_
			-		+-	++				4,0	0.020	0.01	-0.04	0.00]	1

		00 04-7	WILK	T EXITURATION	Ut-	CAI	MIT LYNA	TIED				PACE	NO:	11			
INTEX		GEOLUCICAL DESCRIPTION	MI	ERALIZATION	AL.	ī				ASSAY	rs					RE	COVER
From	To		X		AS	I P	SAMPLE	FROM	TO	LENCTH	Au	Ag	Pb	Zn		RUN	
	<u> </u>	77.8: 15 cm silicified and quartz veined zone	\perp	ру	8	s	3019	77.0	78.0	1.0	0.062			0.05			+-
		@ 450	\mathbb{L}		П	П					1	1	1				+
		-disseminated pyrite, grey sulphides	\mathbf{I}	gr	П	П	3020	78.0	79.0	1.0	0.010	0.11	0.08	0.08			+
					П	П					1		1				+
		79.0: back to a moderate to strong potassic	5	ру	M	S	3021	79.0	80.0	1.0	0.012	0.11	0.23	0.17			+
		alteration		gr	Π	П					1			 			+
		-some fractures little veining			П	П	3022	80.0	81.0	1.0	0.012	0.09	0.05	0.11			+
		-disseminated pyrite 3-6%				П								1	-		+
		-irregularly disseminated grey sulphides				П	3023	81.0	82.0	1.0	0.060	0.06	0.03	0.07			+
						П							-				+
		82.1-82.3: intense silicification, with much			S	S	3024	82.0	83.0	1.0	0.020	0.06	0.02	0.05			+-
		fracturing and re-healing				П					1						+
		-includes 5 cm breccia zone with some clay				П											+
		alteration				П					1						+
						П											-1-
		82.3: Irregular mixture of brown intrusive with		ру	М	M					1		 -				+-
		green alteration of feldspars (moderate argillic		gr	\Box	\sqcap					 						+-
		alteration) and moderate potassic alteration				\vdash					 			 			+-
		as above			\dashv	T							<u> </u>	 			+-
		-irregular veining, disseminated pyrite and grey				\top											+
		sulphides			$\neg \neg$	П	3025	83.0	84.0	1.0	0.028	0.09	0.03	0.07			+
		-local brecciation and silicification			$\neg \neg$						1						+-
					\mathbf{T}		3026	84.0	85.0	1.0	0.010	0.07	0.01	0.04			+
					\prod											7	+
		85.0-85.3: last indications of potassic alter-			Π												+
		ation zone			П	\perp	44										+-
					\coprod												+
.3	117.7	The state of the s	4	He	M	\perp	3027	85.0	86.0	1.0	0.005	0.07	<0.01	0.04			+
		argillic alteration		Mte	$\perp 1$												+
		-crowded and locally trachytic grey or green			\prod	\perp											+
		feldspars with grey carbonate altered pyroxenes				T	_ 23										+
		-disseminated hematite throughout	1 1			T											+-

INTEX	747	Υ														
TATEK	To	GEOLOGICAL DESCRIPTION	MINERALIZAT						ASSA	YS .					REC	OVER
rom	10		X	A	SI	SAMPLE	FROM	10	LENCIH	Au	Aø	Ph	7.n		RUN	T
	·	-some magnetite			Ш	<u> </u>										1
		-local chlorite alteration			Ш											+
					Ш								1			+-
		85.7-87.5: quartz/carbonate veins @ 450			Ш	3028	86,0	87.0	1.0	0,003	0.04	<0.01	0.03			\top
										1		1				╈
		88.0: quartz/carbonate vein @ 250			\coprod	3029	87.0	88.0	1.0	40.003	0.14	<0.01	0.02			+-
					\coprod					1		1	V.V.			╁
		88.8: crosscutting quartz/carbonate veins @ 550			П							<u> </u>				+-
		+ 10°			П							†				╁
					П					1		 				╁
		89.1-89.5: pink carbonate/quartz veins 1-1.5 cm			П							 				╁
		wide with brecciation and chlorite @ 650			П	3030	89.0	91.0	2.0	0.006	0 03	<0.01	0.02	-+		┿
										0.000	V. V.	-v.vi	0.02			┿
\rightarrow		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			\dashv					-						╂-
		carbonates				3031	9/. 0	96.0	2.0	0.005	0.1/	-0.01	2 21			+-
		-locally stronger hematite gives stronger red			\dashv		24.0	70.0		h-002	0.14	<0.04	0.01			+-
		colour			\top		-									+-
		-little veining			$\neg \neg$	3032	98.0	100.0	2.0	0.003	0.04	0.01	0.04			╄
					\Box		,,,,,	100.0		0.003	0.04	0.01	0.04			+-
-4		99.4: quartz/carbonate plus chlorite vein @ 450			77				<u> </u>	1						╀
					\top				- 							┼-
		99.9: 1 cm zone of silicification and chlorite	gr		s					 						+-
		alteration carries grey sulphides, sphalerite.	sphal	11	~					 				-+		↓_
		pyrite @ 450	DV		11											╀
				$\neg \vdash$	\vdash					 						╀
	I	102.0: 1 cm quartz/carbonate plus chlorite vein			11	3033	102.0	10/ 0	2.0	0.006	0 25	0 00				╀-
	T	@ 800		- 11	++		102.0	204.0	Z.U	0.006	U. 43	0.03	0.09			<u> </u>

.

DALEKA			T WT	PRALIZATION	ATT				ASSA	VC					RECO	YATEV
		GEOLOGICAL DESCRIPTION	_		ALT	CANCER	1 5004		LENCTH			T 51	1		RLN	T
rom	To		X		AISIP	SAMPLE	FROM	10	TENCTH	Au	Ag_	Pb	Zn		- RUN	+-
		102.8-103.0: zone of carbonate/quartz plus			++-	ļ							 			+-
		chlorite, banded veining, @ 450	-				 	ļi				 				┼~
		-2 veins of carbonate/quartz split by area of	tr		11			-		+	 	├				+
		strong chlorite alteration	tr													┿-
		-traces of pyrite, chalcopyrite, grey sulphides	tr	gr	++		ļ						├			+-
			_							+		 				+-
			├		 						 					+
			<u> </u>		144						 					+-
		103.4: thin clay gouge/fractures @ 00	٠.,		1		 									+-
			<u> </u>		1	ļ				-	<u> </u>					+-
		103.8: 2-3 cm pink carbonate vein @ 600	-		1					+						+
			1		ш						<u> </u>	├				+
		103.9: 4 cm carbonate-quartz plus chlorite vein	-		1							 				4
		@ 450	├		1											+-
			↓		111			1		4		 				+-
	76 · 1	104.2: banded carbonate/quartz plus chlorite	_	er	44	-	Ļ									╀
		vein with disseminated grey sulphide	<u> </u>		111		ļ			-		├ ──				+-
			-		Ш			-				 				+
		105.2: 1 cm quartz/carbonate vein @ 70° with	↓_	gr	144	3034	105.0	1107.0	2.0	0.003	0.26	0.06	0.20			+-
		chlorite; disseminated grey sulphide, sphalerite	-	ру	1					4		 				+-
		pyrite	Ь.	sphal	111					1	ļ					+-
			1_		1	ļ						 				+-
		107.3-107.6: quartz/chlorite vein and breccia	├		1		ļ	ļ		+		 	 			+-
		with chlorite	├		1		ļ			+	 	 				+-
					H+					4		 				╀
		108.5: 2-4 cm quartz/pink carbonate plus	├-			ļ										╁
		chlorite vein @ 25°	├		++			 	7. (+-
		100 0 112 0c -(-) folderers week note()	-		H +. ,	3035	109.0	111 0	2.0	40.003	0.00	10.00	0 0 3			+-
		108.0-112.0: pink feldspars weak potassic alter-	├		┵┼┼	3033	109.0	1717.0	2.0	40.003	0.06	en.ur	0.03			+-
		ation			+++		 			+		 				┿

	PROJE	CCT: GOLDEN LION IOLE: GL-84-7 NE	HUN	r exploration	OF (CANADA LILI	4TTED				PAGE	NO: 14					
INTERV	AL.	GEOLUGICAL DESCRIPTION		ERALIZATION					ASSAY	S						KECCO	NEX
roa	To		X		AS	P SAMPLE	FROM	TO.	LENCIH	Au	Ag	PЬ	Zn			RUN	\mathbf{I}
					Ш					<u> </u>				<u> </u>	↓		L
		112.6: 1 cm pink carbonate/quartz vein @ 450	\perp		44	<u> </u>		<u> </u>				<u> </u>		_	↓		L
	-				44	<u> </u>			L		<u> </u>		<u> </u>	ļ	↓	↓	L
		114.1: 5-8 cm zone of pink carbonate/quartz plus			11					<u> </u>			L		↓		L
		chlorite in breccia	Ш		44					L				ļ	ـــــــ	ـــــ	L
					44									↓			L
		117.7 END OF HOLE			44					L					——	<u> </u>	1
					44				<u> </u>					<u> </u>			L
			L		11							<u> </u>					L
					44	1			<u> </u>			<u> </u>		<u> </u>	<u> </u>		L
			اللا		44	1		<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>	┸		L
					44					L				<u> </u>			L
					44	<u> </u>								<u> </u>			L
						1								<u> </u>			
					11				<u> </u>						<u> </u>		
					11									<u> </u>			
			\Box		Ш										i		
	<u> </u>		4		Π												
					Ш	<u> </u>											Г
					$\perp \perp$												C
					\coprod												C
			<u> </u>		Ш												Ĺ
			\sqcup		11												Ĺ
_			1		11	ļI											Ĺ
-			\sqcup		44	1											Ĺ
			┈		11											$oxed{\Box}$	L
			├		11											\Box	Ĺ
-			 		##				No. To the state of the state o								L
					11										 _		Ĺ
			┷		11										$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		
					11												ī

NEWFORT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL.	Surface	DEPTH	PEARING	DIP	TYPE OF SURVEY	LENGUI	131,4 m	HOLE NO.	GL-84-8
LOCATION	475N 250E	collar	220°	-45°	Compass	CORE SIZE	BO	SIEET NO.	1 of 16
ELEVATION	1805 m	63.4		-45°	Acid	TOTAL RECOVERY	98%	TUCCED RA	G. McLaren
LATITUDE	485.2N					STARTED	July 27/84	CLAIM	GOLDEN LION 2
DEPARTURE	253.6E	1				COMPLETED	Aug 2/84	PURPOSE	

INTEX		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AL	I				ASSA	YS				= "	RECO	N/FID
From	To		Z		AS	3 P	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn		RUN	
0_	6.1	Casing			T				 		 "" -	1	+	 "" 			+
					1				 	 	+	 	+	{ {		6.1	C
6.1	32,0	Purple-grey feldspar tuff with strong argillic	10	He	s	1			 	 	 	 	+	├ -		17.9	-
		alteration			7	Ħ			 		+	 	+	+		11.0	-
		-fine white feldspar crystals set in a fine			\top	T			 		+	 	+	╂╌╾╾┼		14.0	•
		grained to gritty matrix with strong clay alter-			+	Ħ			 		 	} 	┼	}		17.0	-
		ation			+	11			 		+	 	+	 		20.1	Ļ
		-mafics are altered to hematite		***************************************	+	H					+	 -	 	 		23.1	-
		-disseminated hematite throughout			+	††			 	-	+	 		1		26.2	
		-trace quartz			+	Н				ļ	 	 	 	├ -		29.3	-
					+	H							┼	├ ──┼		32.3	نـــا
		NB: VERY POOR RECOVERY TO 11.0 M DUE TO BROKEN	_		+	Н					+		 			35.3	
		ROCK AND CLAY GOUGE ZONES	1		+	++					 	 	 			38.4	_
					┿	╂╌╂							 			41.4	
1		11.1: clay shear @ 600 with irregular carbonate	-		+	₩							 			44.5	
		veining adjacent			+8	Н	3037	11.0	13.0	2.0	0.010	0.02	40,01	0.01		46.3	1
		-many clay altered shears @ 60-900 in argillic-	1		s	Н							<u> </u>			49.4	
		ally altered host rock, little veining	1		4	╀					 					51.8	
		-continues past 17.0	{		┿	₩					 		 			53.6	
					╁	₩										56.1	
-1		17.3: 15 cm of brown-pink, moderately silici-	-		Тм	₩	3038						Ļ			58.2	
		fied rock with numerous carbonate veinlets			+-	₩	3030	17.01	19.0	2.0	0.022	0.04	K0.01	0.01		59.4	
		-half core is grey green clay and edges of	-		+	₩										62.5	
		silicified half show green chloritic alteration			+	H										63.4	
		-clay gouge on each side of section			┰	H										67.0	_
					+	H							 			68.6	
			-+		+	+										70.7	
			-+		\mathcal{H}	4	i									73.2	
					Ш	ш			1							75.0	

	MODE	CT: GOLDEN LION NOLE: GL-84-8 NO	MMLIN	I EXTENDALION	OF-	CANADA LI	MITTED				PAGE	NO: 3	-			
INTEXV	/AL	GEOLOGICAL DESCRIPTION	MU	ERALIZATION	AL:				ASSA	YS					KEX	EW
rou	To		X		AS	p SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		RUN	Т
		17.5-19.0: green chloritic alteration of the			S			T	Ī			T			77.	7
		tuff, along with the strong argillic							T		1		T	\Box	81.	1
		-overall a green colour, but cut by many clay											T		84.	1
	1.0	shears, mainly @ 25-300									1				87.	1
		-strong clay alteration of rock forms breccia					<u> </u>	7			1	1			90.	1
		textures of less altered fragments in argillic			\top					1	1	1	7	\Box	93.	_
		matrix						T			† · · · · ·	1	T		96.	
	-	-some irregular carbonate veinlets, locally with								T		1			98.	
		weak silicified zones			\top			1	1				1		101.	_
					\Box					1	 	T			104.5	_
		19.0: back to purple-grey, moderate-strong			s		T			1					107.9	
		clay altered tuff as before										<u> </u>	1		111.3	_
		-few irregular carbonate filled gashes			П					 	 	1	1		114.6	~
		-hematitic fractures			\top	1		† 			1	1	 		117.7	
					77		 	1			 	1	 		120.	#
		22.2: banding/shearing @ 300 in intense clay			s					 	 	1	 		123.	Н
		alteration			╗					 	 	 			126.8	1
					\dashv		<u> </u>	1		+	 		<u> </u>		129.5	╆
		22.6-22.8: clay gouge zone			sH					 	 	 	t		131.4	┢
					11		<u> </u>	1		 		 			1274.5	
$\neg \neg$		23.6-23.7: carbonate vein breccia zone @ 30°			11	1				1			†			H
		with chlorite alteration at edges and in frag-			11					1	 					\vdash
		ments			\Box	1				1		T				\vdash
					77	1				1		1				H
		24.0: banding/shearing in clays decreases to	\neg		s					1		T				\vdash
		100 now			\sqcap						1	T				\vdash
		-continue in variable green chloritic-grey clay			s	3039	27.0	29.0	2.0	0.003	0.01	20.01	0.01		1	
		alterations, moderate to intense throughout			\sqcap					1						Г
$\perp \perp$		to 31.0			\sqcap						1					Г
					\sqcap											\vdash
		31.6-31.9: weakly silicified zone with carb-	5	Py	sw											
		onate veinlets and brownish silicification of			77					1						_

1	HOJEC	T: GOLDEN LION HOLE: GL-84-8 NE	MUN	T EXPLORATION	OF	CANADA LI	MITTED				PACE	NO:	3				
DYTEKVAL,		CEDILICICAL DESCRIPTION	MU	ERALIZATION	ALI				ASSA	rs						T RECO	χŒ
rom 1	To		X		AS	P SAMPLE	FROM	10	LENCTH	Au	Aø	Pb	Zp	T	1	RLN	T
		normally green host			П							1	1	T			Ť
		-very finely disseminated pyrite, mainly along				3040	31.0	33.0	2.0	0.020	0.03	0.06	0.11				t
		thin fractures								1		T		$\overline{}$	T	1	Ť
		-veinlets/shears dominantly @ 200			\Box			1				1				_	t
																1	t
2.0 1	17.5	Zone of variable potassic/siliceous alteration			\Box			T						1		1	t
		with fine grained brown feldspar-pyroxene			\Box			T						Г		$\overline{}$	t
		intrusive			\Box			1		T		1			1		t
					П							T				—	t
		32.9: 5 cm of strongly silcified breccia/frac-	1	Py	s									T			t
		ture zone with grey-green-white quartz	tr	er	\coprod												t
		-later carbonate filled fractures	tr	sph	\Box							1 : :					t
		-some brownish, potassic altered fragments			Π												t
					П												t
		33.0-33.2: strongly silicified breccia/fracture	2	Py	s								<u> </u>		1		t
		zone as at 32.9	tr	Ac	\prod	3041	33.0	35.0	2.0	b.008	0.05	0.13	0.25				۲
	-	-disseminated pyrite and some acanthite in		Не	\coprod												٢
		discontinuous veinlets			\coprod												٢
		-locally hematitic matrix			П												Γ
					Ш	1											Γ
\dashv					Π												Γ
-+-					Ш				1177					100			Ē
\longrightarrow		33.2: rock becomes green-brown with weak pot-	tr	gr	W	V				L							Γ
		assic alteration and silicification			11												Γ
	$-\!\!\!+$	-traces of grev sulphide in thin fractures			11			L									Ē
					11												Ĺ
		33.2-34.0: irregular silcified zones with local	_	Py	44												Ē
		brown potassic alteration, as above	11	gr	44												I
-+-		-minor disseminated pyrite and grey sulphide			44	1				 							
					44	ļ											
		34.3: red hematitic alteration with clay alteration			#	3042	34.0	35.0	1.0	0.018	0.02	0.11	0.06				_

	TRAUS.	ECT: GOLDEN LION NOLE: GL-84-8 NE	WMUN	T EXPLORATION	Ut-	CA	NALIA LLI	artisn				PAGE	NO:	4				
INTEX	VAL.	CEOLOGICAL DESCRIPTION	MO	PERALIZATION	AL:	T				ASSAY	S						KECO	VER
TOD	To		X		AS	P	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		1	RUN	Γ
		-contains silicified fragment 2 cm across with				П												
		acanthite				П												Г
						П												Г
		35.0: gradual change to moderately silicified			М	М	3043	35.0	37.0	2.0	0.016	0.03	0.04	0.05				Г
		and potassically altered rock				\coprod												Г
						П												Г
		37.3: continue in moderate to strong silicifi-	tr	gr	s	s	3044	37.0	38.0	1.0	0.022	0.04	0.01	0.05				Γ
		cation/potassic alteration with increasing vein-				П												Γ
		ing and fractures				П												Γ
		-some strong clay alteration and bleaching along				Π											\neg	Г
		fractures (many @ 45-550)				П												Τ
		-quartz veining, some banded				П											_	Γ
		-irregular patches and veinlets with fine grey				П												Г
		sulphide																_
						П												_
		38.0: grades into intense potassic alteration			S	s	3045	38.0	39.0	1.0	0.012	0.02	40.01	0.05			$\neg \neg$	_
		-strong pink colour, very hard			T	П											$\neg \uparrow$	
		-still many irregular fractures but less associ-			T	П			1									_
		ated clay alteration				П	1							1		$\overline{}$	$\neg \uparrow$	_
		-carbonate alteration of some grains in matrix				П										-	\neg	
		(pyroxenes?)															_	_
		-locally green chloritic alteration			\Box													_
					\Box	\Box												_
		39.0: strong potassic/siliceous alteration with	7	Py	S	S	3046	39.0	40.0	1.0	0.032	0.05	0.06	0.03				_
		5-8% disseminated pyrite			$\perp \! \! \! \! \! \! \! \! \perp$	\perp											$\neg \neg$	_
					Ш	\perp												
			3	Py	S	S									11.1			_
		zone ,		er	\perp								1		-			
\dashv		-strong potassic altered fragments			Ш								4.7					_
		-variable amounts of disseminated pyrite and			\coprod	\perp												
		irregular veinlet fillings of grey sulphides		sphal	П	T	3047	40.0	41.0	1.0	0.008	0.02	0 25	0 62				_

	PKOJE	CCT: GOLDEN LION NOLE: GL-84-8 N	EMMUN	EXPLORATION	OF C	ANADA LI	CETTIM				PACE	NO:	5			
NTEX	VAL	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT	T			ASSAY	rs					KEO	XER
rous	To		X		ASI	SAMPLE	FROM	70	LENCIH	Au	Ao	Ph	Zn		RUN	\mathbf{I}
		40.4: 2 cm quartz-sulphide vein @ 450, offset		sphal	$\Pi \Pi$	3047	40.0	41.0	1.0	0.008	0.02	0.25	0.62			T
	1	slightly by 90° fracture		DV		Ϊ				T						Т
		-contains sphalerite, pyrite, acanthite and galena	a	ac	ПТ			1							\neg	Т
				ga	Π						1					T
				<u> </u>	ss			 		1						\top
		1	1			<u> </u>	1			1	1		1			十
		-intense, potassic/siliceous alteration	1				—	1		1	1	Ť .				\top
		ancomo, poessor orrespond discussion	1		H +	 				1		<u> </u>	1			十
		NB: VEIN TEXTURES ARE SAME AS MASSIVE SULPHIDE			HH		 	 		 		1				+
		INTERSECTION IN 84-7, I.E. EARLY FRAGMENTAL	1		H +		†	 		†	†					+
		SPHALERITE WITH GREY SULPHIDES SURROUNDED BY	1		HT	<u> </u>		1		 		1				十
	· · · · · · · · · · · · · · · · · · ·	LATER GREY SULPHIDES (GALENA) AND QUARTZ	1		H	· · · · ·				1		† — — —				+
T 1		LATER GREE SUBINIDES (GREENA) AND OURKIE	+-				<u> </u>	+		† 	 	†			_	+
		40.8-41.4: some clay and carbonate alteration	1	Pv	м	 		1		 		1			_	t
		in matrix	+-				 	f		1		i			$\overline{}$	+
		-locally the original textures are recognizable	1			3048	/1 O	42.0	1.0	0.014	0.04	0.03	0.06			T
		showing carbonate-altered octahedral pyroxenes	+	-		2040	41.0	192.0	1.0	17.014	10.04	10.03			_	十
		-many feldspars show green montmorillonite alter-	+				·	1		 						T
		ation	+					1								+
		-minor disseminated pyrite	+-					1		1					\neg	+
		- WINOI GISSEWINALEG DYLILE	+		+	†				1		 			\neg	十
		41.4-41.5: return to strong potassic alteration	1		IsIs			1		 						+
		along 80° fracture plane	+-							1						$^{+}$
			+		++		11 1	1		 					_	t
$\neg \neg$		42.1: quartz-carbonate fracture vein with	1		\Box	3049	42.0	43.0	1.0	0.010	0.03	0.01	0.07		1	T
		sphalerite and grey sulphide @ 70°	1			1-5,7		1 7.7		1	1	1			+-	T
\neg	1		1		11					1					1	T
					11	†				1					1	1
										1						T
		42.5-42.7: moderate potassic/siliceous alter-			ммм	3050	43.0	44.0	1.0	0.016	0.01	0.16	0.04			\top
		ation with moderate to strong clay alteration	\top		77	7777		†****		1			****		1	\top
\neg		along fractures	1		11	1				 		 			+	†

		CT: GOLDEN LION 10LE: GL-84-8 N										PAGE		•				
DALEK		GEOLOGICAL DESCRIPTION	_	ERALIZATION	AL:					ASSA	rs					1	ŒCOOV.	ER
LOS	То		1 %		AS	P 5	SAMPLE	FROM	TO	LENCIH	Au	Aφ	РЬ	Zn		RL	N	
		-one side of core has no visible sphalerite			П	\coprod :	3054	47.0	48.0	1.0	0.008	0.02	0.01	0.04				_
			<u> </u>			Ш					I							_
		-other side contains 10-20% sphalerite			Ш													_
			<u> </u>	<u> </u>	Ш	Ш												_
					Ш	Ш												
		48.3-48.4: quartz/carbonate veinlets up to 1 cm	Ц.	ac	Ш		3055	48.0	49.0	1.0	0.006	0.02	0.32	0.20				_
		across with acanthite, sphalerite, pyrite	ــــ	spha1	Ш	Ш												_
			ļ	ру	Ш	Щ								L				
			<u> </u>		Ш	Щ											\neg	
			<u> </u>		Ш		3056	49.0	50.0	1.0	0.052	0.05	0.01	0.03				
					Ш	Щ											\Box	_
		50.0: continue with moderate/strong potassic/	ļ.,		S	S 3	3057	50.0	52.0	2.0	0.030	0.11	0.01	0.03				_
		siliceous alteration however the degree of	—		Ш	Ц_											-1	
	<u> </u>	alteration varies from potassic/siliceous to	1		Ш	Ш												
		chloritic/argillaceous with the degree of vein-	1		Ш	Щ												_
		ing	1-1		Ш	Ц_												
		-chloritic rocks often have clay alteration	_		Ш	Щ												_
		along fractures and pink alteration of feld-	\vdash		Ш	Щ											-1	
		spars	Щ.		Ш	Щ												_
			ш		Ш	Щ											$_{\perp}$ T	
		50-55.0: massive rock spotted with pink feld-	-		Ш	W	3058	52.0	54.0	2.0	0.032	0.07	0.01	0.02			$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	_
		spars: few veins			44	4.		1			11				$-\!$			_
-		-typical grey-green matrix	┞╼╌┤			1	3059	54.0	56.0	2.0	0.022	0.02	40.01	0.03			$oldsymbol{\bot}$	_
			┝			Η.,				 				 				_
$\overline{}$					+	4	3060	56.0	57.0	1.0	0.028	0.03	0.01	0.03				
		57.0-57.5: intensely silcified quartz vein/	2		ᆛᆛ	<u>.</u>	3061								$-\!$			_
		breccia zone		ру	S	S	3061	57,0	58.0	1.0	0.018	0.01	0.01	0.06			\bot	_
				sphal	┽┽	+-	2062										-1-	
			CE	gr	┽┤	+-	3062	58.0	60.0	2.0	0.030	0.13	40.01	0.03			\dashv	_
\neg		disseminated pyrite, minor grey sulphides usually associated with sphalerite	├		┥┤	+	2062	(0.0			000				-+	-	4	_
-		usually associated with sphaterice	⊢		44	4	3063	60.0	62.0	2.0	0.038	0.02	40.01	0.04				

			1							10011						 1	
DYTEXY		GEOLUCICAL DESCRIPTION	_	ERALIZATION		_				ASSAY	<u> </u>			· · · · ·		 KECO	
CODE	To		X		AS.	P SAMP	_	FROM	10	LENCIH	Au	Ag	Pb	Zn_	↓	 RUN	╄
		61.1: 10 cm quartz/carbonate breccia zone	↓		Щ	306	4	62.0	63.0	1.0	h_020	0.04	40.01	0.04	├ ──┤	 └ ──	L
			ļ		Ц.	<u> </u>					↓	<u> </u>		ļ	\longrightarrow	 <u> </u>	L
		63.7: quartz breccia with coarse grains of	70		Ls	306	5	63.0	64.0	1.0	0.016	0.12	0.23	5.00		 <u> </u>	L
		sphalerite-acanthite-minor pyrite	10	ac												 	
		-nearly massive for 5 cm but zone appears to be	2	ру													Γ
		10 cm long (NB core ground at this point,												<u> </u>			Γ
		hence true width and contacts uncertain)															Γ
											1		<u> </u>				Γ.
		-no strong potassic halo with this breccia									L		I				Г
													Ì				Γ
		64.0-65.0: continue massive brown-green rock				W 306	6	64.0	65.0	1.0	0.022	0.03	0.02	0.08			Г
		with pink alteration of feldspars															Γ
		-chlorite alteration of pyroxenes with partial															Г
		replacements by pyrite					\top										Г
		-thin irregular carbonate veinlets										•					Г
					\Box												Γ
		65.6: 1 cm quartz/carbonate vein with sphalerite		gr		306	7	65.0	66.0	1.0	0.010	0.05	0.05	0.16			Г
		grey sulphide @ 200		sphal							T	····	T				Г
											1						Г
		66.1-66.7: weak stockwork of quartz/carbonate		DV	М	м 306	8	66.0	68.0	2.0	0.042	0.08	0.16	0.09			г
		veins carrying grey sulphide, pyrite and minor		gr								****	1				Γ
j		sphalerite		sphal	П												Г
		-pyrite is disseminated throughout the potassic			П				-								Г
		altered rock as well as with the chlorite after			П												Г
		pyroxenes			П					*							Г
					П		\top										Г
		66.5: fine grained sphalerite, and grey sulphide		sphal	s												Г
		in a fine strong green chlorite alteration zone		gr	Ť	1											Г
		that has been silicified in the mineralized			\top	 											_
		section			\dashv	1									7	 	
			 		\dashv	 										 	_

PROJECT: GOLDEN LION NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 9 HOLE: GL-84-8 DYTERVAL GEOLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS RECOVERY Prom To A S P SAMPLE FROM 70 LENCTH Au RUN Z Ag Pb Zn 68.2: thin carbonate/quartz fracture fillings Isl sphal with coarse sphalerite and some grey sulphides 3070 68.0 69.0 1.0 0.014 0.01 0.83 0.68 er 68.5: 2.5 cm carbonate/quartz vein with sphalerite and grey sulphides @ 45° but vein is cut s of by fractures 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 sphal 69.5: 1 cm quartz/carbonate veinlet @ 30° with 3071 69.0 70.0 1.0 0.008 0.01 0.17 0.07 grev sulphides мм 69.8: 10 cm shear zone with stronger clay/ sphal chlorite alteration carrying disseminated sphalerite, grev sulphides, trace pyrite nv -moderate potassic selvaces 70.0: after 70, rock becomes only weakly potas-M WW 3072 70.0 72.0 2.0 0.010 0.01 0.01 0.05 sic/siliceous altered and weak-moderate argillically altered -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

PROJECT: GOLDEN LION HOLE: GL-84-8 NEWFONT EXPLORATION OF CANADA LIMITED PAGE NO: 10

L GEOLOGICAL DESCRIPTION MIDERALIZATION ALT ASSAYS

INTEX	VAL	GEOLOGICAL DESCRIPTION	MOLERA	VLIZATION	LIA.					ASSA	YS						RECCO	XER
Prom	To		X			SAM	LE	FROM	10	LENCTH	Au	Ag	Pb	Zn			RUN	T
		-thin quartz/carbonate veinlets commonly @ 45°																T
																		T
		73.6: moderate potassic alteration around cross-			М	М												T
		73.6: moderate potassic alteration around cross- cutting quartz/carbonate veins @ 30° + 45°				30	74	74.0	76.0	2.0	0.010	0.09	40.01	0.03				1
							T				1							T
		78.1-78.9: stronger grey green chloritic/argil-			М	30	75	76.0	78.0	2.0	0.020	0.06	0.01	0.03				T
		liceous alteration																T
		-green feldspars													1			T
		-carbonate in matrix										1	}					T
																8.1		T
		78.9: moderate to strong potassic alteration				М								1				T
		-generally a pink colour with green (feldspar)			Ш						7							T
		and black (hematite) spots												T				t
		-no pronounced regular veining															7	t
		-local fracture zones with strong potassic alter-			П						1							t
		ation in which hematite is destroyed and pyrite			П	1	\Box				1							t
		is common						1.0										r
		-these tend to be finer grained with no green			\Box						T			i .				r
		feldspars (e.g. 81.8-82.0)				30	76	81.0	83.0	2.0	0.012	0.08	0.05	0.07				r
					П						1							Г
		82.4-82.5: strong potassic alteration with	p.	у		s	\neg											Г
		disseminated pyrite and carbonate veinlets @ 30-	S	phal							1.							Г
		400	g	r	\coprod													Γ
		-carry grey sulphides, pyrite, sphalerite			\Box			100									$\neg \neg$	Г
	<u>-</u>				\Box						I							Γ
					Ш													Г
		82.7: abrupt change to brown, porphyritic			\coprod													Г
		textured rock			Ш													Г
		-argillic alteration with green feldspars, carb-			П									1				Г
		onate altered pyroxenes			\prod									1.				Γ
		-followed by clay altered shear zone @ 83.0			П	30	77	83.0	85.0	2.0	0.022	0.02	0.08	0.11	107			$\overline{}$

. . .

NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 11 PROJECT: GOLDEN LION HOLE: GL-84-8 GEOLOGICAL DESCRIPTION MIDERALIZATION ALT ASSAYS KECOVERY INTERVAL AS P SAMPLE FROM LENCTH RUN Z Prom Ag Ph Au -within shear find thin veins of quartz with Pv silicified/potassic selvages carrying pyrite. er sphal grey sulphides trace sphalerite -continue in fractured porphyritic rock with irregular potassic/siliceous alteration around fractures 84.8-84.9: quartz vein/breccia zone @ 0-100 86.6: 2 mm carbonate-pyrite veinlets @ 50, plus Pv similar irregular veining -continue in same rock with many pink altered DΥ and bleached zones from selvages 15 cm wide 3078 87.0 89.0 0.016 0.03 0.01 0.04 2.0 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 0.014 | 0.06 | 0.02 | 0.05 2.0 many cross-cutting angles -fractures without potassic/siliceous alteration have a strong clay alteration 90.0: bleached potassic/siliceous zone with SS 3080 91.0 93.0 0.008 | 0.05 | 0.01 | 0.05 2.0 traces of grey sulphide 95.2: strong potassic/siliceous/ pyritic Isls Pν 3081 93.0 95.0 2.0 D.012 | 0.06 | 0.01 | 0.05 alteration in host rock now gr -carbonate gash with pyrite, grey sulphide, trace 0.03 0.02 3082 95.0 DV b. 032 sphalerite spha1

	PKOJI	ECT: GOLDEN LION HOLE: GL-84-8 N	MM	T EXPLORATION	OF	CA	NADA LI	(CETT)				PACE	NO:	12				
MEXV	AL	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	AL	I				ASSAY	rs						KECC	OVER
rom	To		X		A S	S P	SAMPLE	FROM	TO	LENCIH	Au	Αø	Pb.	Zn.		I	RUN	Т
		95.5: 1 cm carbonate/quartz vein with grey	T	gr	П	П					Ι		•	Τ		T	T	Τ
		sulphide, pyrite @ 450		py	П	\prod							l			<u> </u>		Ι
		-disseminated pyrite in potassic selvage	3	Py	П	s											\perp	I
			↓		Н	Н					 			↓	—	<u>↓</u>	 	4
		96.2: 1 cm carbonate/quartz vein with grey	1	sphal	118	ss					ļ			 	₩.	↓	—	4
		sulphide, pyrite and sphalerite @ 45°, cut off	1	DY	11	Н					<u> </u>			—	<u> </u>	 	┼—	1
		by clay altered shear @ 90°	<u> </u>	gr	Ц.	11					-				┞——	——	+	1
			1_		₩.	11							<u> </u>	—	—	 	+	1
					Н-	11					ļ			↓	ـــــ		┼	1
_					₩	Н					-			 	<u> </u>	┼	+-	1
		96.4-96.7: strong quartz/carbonate veining (up	!	gr	HS	Ц			lacksquare					├ ──		┼	+	1
		to 1.5 cm wide) with minor grev sulphide. pyrite			Н.	Н					 				-	┼	┼	1
		@ 30-600	-		Н	₩			 				ļ	 	├─	┼	+	+
		97.0: 5 cm quartz yein @ 45° with traces of	1	gr	H	+	3083	97.0	99.0	2.0	0.024	0.04	0.03	0.06	\vdash	 	+	t
		grey sulphide, sphalerite	tr		П	П			72,3									İ
					П	П												Ι
		97.3: 1.5 cm red hematite vein @ 35° followed			П	П												Γ
		by 3 cm siliceous breccia zone			S	s												Γ
						П		1.0										L
		97.7-97.9: 1 cm banded quartz-carbonate vein				П												Γ
		@ 20-300						-										L
_		-strong potassic alteration and disseminated	3	рy	Ш	sl.												
		pyrite through rock	Ш		Щ	Ц												L
1					Ш	Ш												L
		98.1-98.2: red hematitic quartz (jasperoidal)	1		Щ	Ш		 										L
_		veinlets @ 100	_		Щ	Ш				****							$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	L
-		-rock varies to moderate potassic pink alter-			Щ	М												L
		ation with white carbonate alteration in pyrox-	3	DY	$\sqcup \sqcup$	Ц		<u> </u>						\Box	ليست	1 5 1	$ldsymbol{\sqcup}$	L
		enes in brown-pink matrix	1_1		Ш	Щ											$ldsymbol{\sqcup}$	L
		-disseminated pyrite 1-5%			LL	LL		- 1						لـــــا				L

DVIEKV	AL.	CEDLOGICAL DESCRIPTION	MT	ERALIZATION	AT	τT				ASSA	vc						~~ :	=
Prom	To		X				SAMPLE	FROM	100	LENCTH	Au	Αg	РЪ	Zn	Т	Ri	ECCOV.	EX
		100.4-100.5: siliceous breccia zone in strong	tr	gr		İst		1	 ~	4404.	1 Au	1 AK	110	 ""	 		" -	_
		potassic alteration halo @ 100			ΠŤ	Ħ			1		 	+	+	 	 		-+	-
		-fragments of potassic altered rock in siliceous	П		11	Ħ			1		 	 	+	 	 		-+	_
		matrix			H	П					 	1	 	1			$\neg +$	-
		-also fragments of an early grey silicification			П	11					1	1	+	 	 		\dashv	_
		carrying traces of grey sulphide	T		\vdash	П					 	 		t -	1		─┼	_
		-all cemented by late banded multiple phase			П	11			1		1	†	· · · · · ·	 	 		-+	-
		silica, with filled in druzy cavities			П	11			 		 		 	1	1		\dashv	-
					П	П					1	 	1	 	 		-+	-
		100.6: 3 mm quartz/carbonate vein @ 600			П	П		i					†	 			-	_
					\vdash	П			1		+	 	 	 			-+	-
		101.0: 2 cm quartz/carbonate vein with trace	tr	gr	\vdash	H			1		1	 	 	 	-		-+	-
		grey sulphide and hematite stains, @ 100			\vdash	H					+	 	1	 	 		+	-
	14.				1	H		 	1		+	 	 	<u>†</u>			-+	_
		101.1: vein, as above, @ 20°			H^-	H			+		 	 	 	1	\vdash		-+	_
	1.					H			1		 			-			+	_
		101.4: 1 cm vein as above @ 100 with pyrite in		ру	\vdash	Н			 		+		 		 		\dashv	-
	_	vein and selvages		F.J	Н	⇈			 		+		 	 	 		-+	_
					Н	H			 		 				-		-+-	-
ŧ		101.7: clay altered shear @ 500			Н	H	3084	102.0	104 0	2.0	0.008	0 03	0 01	0.02			-	-
		-continue with moderate to strong potassic alter-			Н	H	3004	102.0	1207.0	2.0	0.000	0.03	FU. UI	0.02	-			_
		ation			Н	м					 		-				-	-
					ш								t		-			-
		104.0-104.4: clay alteration in shears # 500			Н	\vdash	3085	104.0	106.0	2.0	0.016	0.02	e0: 01	0.04			\dashv	_
					\sqcap				20010		10.010	V.V.	7.01	0.04			┯	_
	-	105.0: 5 mm banded quartz/carbonate vein @ 300			П	\top			1								+	-
					П										_		+	-
		106.0: 5 mm quartz/carbonate vein @ 00			\sqcap		3086	106.0	108.0	2.0	0.012	0.05	<0 01	0.04			-	-
					$\neg \neg$	\top			1		0.012	0.05	- · · ·	0.04				_
		106.2: 5 mm quartz/carbonate vein with traces of	tr	gr	11	十			 								-	-
		grey sulphides along edges @ 550			77	+	7.4		 		 		 					-

DVIEXV		GEOLUCICAL DESCRIPTION	MI	ERALIZATION	ALT				ASSA	YS						KEOD	NER:
LOGI	To		Z		A SI	SAMPLE	FROM	70	LENCIH	Au	Ag	Pb	2n			RLIN	T
		108.2: irregular carbonate veins for 5 cm			1	1 3087	108.0	110.0	2.0	40.003		<0.01	0.04				1
1		-carbonate common in matrix of potassically				Ţ				1	1	1	1			<u> </u>	<u>†</u>
		altered rock here			$\sqcap \uparrow$	1				 	1	 					t
			Г		\sqcap	1	† — — —	 		+	 	1					┢
		109.7: quartz veins for 5 cm carrying trace grey	1	gr		†	1	1	 	 	1	 	1			 	┢
		sulphides, pyrite @ 00		DV		 		1		+	1	1	 			—— [—]	┢
1	2.1	-pyrite potassic selvages		1 2	\vdash	 	 	 	 		+	 	 	 		 	┢
			_		\dashv	1		 					 		·	 	┢
		110.0: 4 cm quartz/carbonate vein/breccia with	1	DV		3088	110.0	111 5	1.5	0.029	0.05	0.25	0 17			 	H
		considerable grey sulphide pyrite and some	1	gr	11	1-2000	110.0	1		10.020	10.03	10.23	1 4 4			 	⊢
		sphalerite		sphal	\top	 		 		+		 					H
				351132	77	 		1		+	 	 	 	 	,——		┝
		111.0: broken quartz/carbonate veinlets with		gr	++	 		 		+	 	 				 	H
$\neg \neg$		grey sulphides @ 30°	-	-	++	 				+		 		 			┢
					++	 		+		+	 	 				 	-
		111.7: irregular quartz/carbonate veinlet with	-	gr	++	2000	111.5	1112		1		 					 -
		grey sulphide	Н	-	++-	3009	111.5	11120	1.0	0.016	10.02	1.0.02	0.05				μ
		- LACT SULPHING			++	 				┼	 			 			\vdash
		112.0-112.5: strong potassic/siliceous alter-	$\vdash \neg$		SS	 				+							-
		ation with weak stockwork carrying some grey			1818			+		 				/			-
$\neg \uparrow$		sulphides	\vdash		╅╂	 		1		+	 						_
_		Surpringes	Ь.		++					 	├						_
		112.5-113.5: strong clay alteration in fractures	-	ga	s s s	3090	112.5	1112	1.0	0.000	2 2						
		and thin gouge zones accompanied by intensely		sphal	일일 :	3090	112.5	113.3	1.0	10.008	0.24	0.93	0.85				
		silicified rock carrying fine galena, sphalerite	\vdash	DV	++			 		├ ──							
		minor pyrite		ру	╁┼			-		 							
					++	3 3 3				 		 					_
			\vdash		++	 		 		 							_
			\vdash		╅╋	 		 									_
					┿	-				ļ	<u> </u>						
\rightarrow					++-	 		 		 				\longrightarrow			_

PROJECT: GOLDEN LION PAGE NO: 15 10LE: GL-84-8 NEWHONT EXPLORATION OF CANADA LIMITED INTEXVAL CEDLUCICAL DESCRIPTION MIRERALIZATION ALT ASSAYS KECOVERY From To Z I AS P SAMPLE FROM B LENCTH RUN X 112.8; good sphalerite and fine galena in quartz \Box sphal \Box carbonate vein QA. -strong potassic alteration with varying intensity 3091 113.5 114.5 1.0 of silicification and quartz veining 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° 114.5: 1 cm quartz vein with considerable grev 3092 114.5 115.5 0.022 0.88 0.57 sulphide, sphalerite, minor pyrite sphal DV. 114.8: zone of strong quartz veining dominantly @ 450 115.0-115.2: intense silicification/veining/ ss brecciation with 5 mm sphalerite veins and some ga sulphide fragments sphal -strongest sulphide veins are along periphery of 2-5 cm wide quartz veins 115.4: return to moderate/weak potassic alter-W W 3093 115.5 117.5 2.0 40.003 0.01 40.01 0.03 ation with very little veining -green feldspars carbonate alteration in matrix

	rwut	CT: GOLDEN LION HOLE: GL-84-8 NO	MMUN	T EXPLORATION	OF	CANADA	LIMITE	20				PACE	NO:	16			
NTERV		GEOLOGICAL DESCRIPTION	ME	ERALIZATION	AL:					ASSA	rs					 KECO	VE
YOUR .	To		X		AS	F SAME	LE F	ROM	10	LENCTH	Au	Ap	Pb	Zn		RLN	Ϊ
.5	131.4	Fine grained phase of brown feldspar porphyry			W	W					1	1	1	1 "			╁╌
		-compositionally very similar to above rock, but	\Box								1	 	1	 	1		H
		texturally is much finer and more equipranular									 			 		 	H
		-matrix appears gritty rather than dense, fine	Γ				\neg						1	 		 	H
		grained											 	 	1-1	 	۲
		-small crystals of feldspar, few octahedral									1	 	 	 			H
		pyroxenes (altered to carbonate)									1			†		 	┝
\rightarrow		-weak irregular potassic or argillic alteration									1		1			 	r
							77					1				 	Н
		120.2: 5 mm quartz/pink carbonate vein @ 350				309	12	1.0	123.0	2.0	0.006	0.07	0.01	0.02		 	۲
_											1	1	1	1		 	Н
-		121.9: 5 mm quartz vein with pyrite @ 250		ру	\Box	W					1					 	г
\dashv		-weak potassic halo			Π						1					 	Г
_					\Box						 			1			-
_		122.2: 15 cm quartz-chlorite-hematite vein @ 450			П								!			 $\overline{}$	_
					П							<u> </u>		-		 $\overline{}$	_
-		124.2: fractures @ 30° with potassic halo			T							<u> </u>				 	_
																 	_
-		127.5: 1 cm banded quartz-pink carbonate-			Π	309	12	7.0	129.0	2.0	0.006	0.034	0.01	0.02		 \neg	_
\rightarrow		chlorite vein @ 450			\Box		L_										_
\dashv					П												_
		130.2: weak potassic alteration with 3 quartz-			П	W 3C96	12	9.0	131.0	2.0	0.003	0.10	0.01	0.02			_
\dashv		chlorite veins @ 30-45°			\Box												_
					Ш												_
-+		131.4 END OF HOLE			11												_
-+-																	_
-+					11											$\neg \neg$	_
-+-			_		11											 	_
-+-					11												_
-+					$\perp \! \! \! \! \! \! \! \! \! \! \perp$											_	_
-+-			1		ΙТ	1	T.									 -+	_

NEAMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL Surface DEPTH HEARING DIP | TYPE OF SURVEY LECTI HOLE NO. GL-84-9 129.8m 590N 245E LOCATION Collar 2200 -45° SEET NO. 1 of 11 LOCGED BY G. McLaren CORE SIZE BQ
TOTAL RECOVERY 95% Compass ELEVATION 1791 m 61.0 -45° Acid LATITUDE 603.9N STARTED August 2/84 CLAIM Golden Lion 2 DEPARTURE 237.0E COMPLETED August 4/84 **PURPOSE**

INTER		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	A	u l				ASS	AYS					REC	YKA
ron	To		Z		AS	SP	SAMPLE	FROM	10	LENGTH	Au	T Ag	Pb	Zn	1	RIN	Ŧ
٥	6.1	Casing			П	\Box						1	1	 ""	 	6.	1
					П	\top			1			 	 	 	 	1 7	+
1	49.0	Moderate to strong potassic/siliceous alteration	3	He	113	sisi						 	 	 	 	10.	4
		zone with numerous veins and local stockwork		Pv	П							 	+	 	 		-
		sections, imposed on brown feldspar-pyroxene			\sqcap	77			 			 	 	 	 	114.	
		porphyry host rock			H	11						 	 	 	 	17	-
					\vdash	††						 	+	+	 	20	-
		-general silicification throughout with varying			1	11			1		+	 	 	-	 	23.	7
		pink potassic alteration			\vdash	11			+		+	 	 	 		26.	-
		-areas of stockwork show grey silica flooding and			Н	++			+			-		 		29.	ж.
		later creamy quartz veins			H	††			+		+	 	 			32.	-
1		-minor carbonate in veins	_		\vdash	11			+			 	 	 	<u> </u>	35.4	-
		-disseminated pyrite occurs in sections, hematite	-		\vdash	₩			 		+			 		36.0	
		Common			╁	╁╁			+				 			39.6	
		-limonite stains along fractures	-		+	╁╁			+				-			42.	-
		-where less altered, rock is dark grey-green with	_		+	++			+			 -		 		44.	
		remnant feldspar crystals	-		+	₩			+		+		 -			46.3	-
			\dashv		+	╁┼			+		-					47.8	₫.
		6.1-8.0: stockwork of grey and creamy quartz in	- 1	Pv	4-	s			+							50.6	_
				Gr	-12	14	3101	6.1	8.0	1.9	0.006	0.08	0.01	0.02		53.3	
		-disseminated pyrite, trace grey sulphide		Gr	+-	₩			+							56.4	
\Box		8.0-13.5: variable potassic alteration with	-		T _M	╁╁			+		-			 		58.2	4
		grey-green patches of carbonate-clay alteration	-		۳,	17	3102		10.0		€0.003	0.06	0.02	0.05		61.3	Ł
		-irregular veining			┿	H	3103	10.0	12.0	2,0	0.005	3.22	0.03	0.04		62.8	
			-+		+	₩	3137	10.0	 		 					65.5	L
		N.B. blacky core/poor recovery to 14.0			+	H	3104	12.0	14.0	2.0	40.003	0.10	0.01	0.04		67.4	L
		A. A. DIUCKY COFEFEDOR FECOVERY EO 14.0	-		+	H			├ ──		+					69.5	L
		13 5: commande 15m montan of character	ᆔ		+	₩					+					71.9	Ł
		13.5: commence 15m section of strong potassic	_31	He	s	LSI	1		L L		L 1				. [75.0	Г

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 2 INTERVAL GEOLOGICAL DESCRIPTION MIDERALIZATION | ALT ASSAYS KECOVERY Prom To X ASP SAMPLE FROM TO LENCIH Au Ag Pb Zn RUN Z siliceous alteration Py 78.0 100 -disseminated hematite, minor pyrite \neg 81.1 100 14.8: 4cm siliceous vein @ 30° with fragments of 2 gr SS 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 TT91.1 92 14.9-15.1: intense grey silicification S 93.3 100 15.3: grey quartz yeins with patchy grey sulphides, l gr 3106 15.0 16.0 1.0 40.003 0.06 0.01 0.05 95.7 100 sphalerite and trace chalcopyrite @ 450, cut by 1 sphal 96.9 95 later cream quartz yeins @ 150 tr CDY 99.4 651 15.7: irregular grey quartz veins with minor grey 1 gr 101.2 95 sulphides 102. 921 15.9: 2cm quartz vein in fractures with clay 103.0 70 alteration, @ 450 105.5 105 16.1: 3cm grey quartz vein with minor grey 1 er 108.5 100 sulphides, trace sphalerite @ 400 tr sphal 3107 16.0 17.0 1.0 0.003 0.10 0.02 111.6 100 114.6 100 117. 100 continue in strong alteration with variable SS 120.1 100 ractures and locally a broad weak stockwork 123.8 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 21.2: 1cm banded quartz vein @ 50° gr 3109 19.0 | 20.0 1.0 0.003 0.10 0.04 3110 20.0 22.0 2.0 0.005 0.06 0.01 22.8: lcm clay gouge @450 23.5: lcm grey quartz vein @ 20° 25.9: 5mm quartz vein @ 10° with trace grey 3111 22.0 24.0 0.003 0.06 0.01 0.09 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

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 3 INTERVAL CEDLUCICAL DESCRIPTION MITERALIZATION ALT ASSAYS KECOVERY Prom To ASP SAMPLE FROM TO LENCIH Au Ag Pb Zn RUN ... 28.5: return to variable weak/strong potassic/ 3114 28.0 | 30.0 0.006 0.14 0.15 0.07 2.0 siliceous alteration with less altered rock showing grey-green carbonate and clay alteration -montmorillonite alteration of feldspars 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 @ 20-250 3116 31.0 | 32.0 1.0 $0.008 \ 0.18 \ 0.16 > 1.00$ carrying grey s lphides 32.0: patchy quartz veining @ 10-200 with sphal 3117 32.0 33.0 1.0 0.010 0.01 0.26 0.57 considerable fine galena, sphalerite, minor pyrite] ga 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 М strong (feldspars are always pink, but not the matrix) 32.3: fractured sphalerite with grey sulphides in irregular quartz veins: 32.4-32.6: continue with same irregular veining sphal and mineralization 33.8-33.9: irregular silicified fracture/vein Isl 3118 33.0 34.0 1.0 0.054 0.13 0.25 0.65 zone with mineralization as above 3119 34.0 35.0 1.0 0.006 0.04 0.13 0.46 36.3: hegin another section of veining and 3120 35.0 37.0 2.0 0.020 0.10 0.03 0.06 stronger potassic alteration 36.3-quartz/pink carbonate veins 1-2cm wide with breccia, @ 10-200 36.6: silicified breccia (broken core) 36.9: grey siliceous zone, trace grey sulphides

	PKOJE	CT: GOLDEN LION HOLE: GL-84-9 NE	MHUN	IT EXPLORATION	OF	CA	NADA LII	מבודנא				PACE	NO:	4			
INTEX		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AL	I				ASSAY	rs .					I KE	COVER
LOSS	To		X		AS	IP.	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		RUN	
		36.9-37.8: strong silicification, grey and white	3	gr	Is	П	3121	37.0	38.0	1.0	0.082			0.36			+
		quartz, some pink carbonate		sphal	П	П					1	1	1 3 1 3 3	1			-
			1	DV	П	П			_		1		 		_		-+-
		-irregular brecciation and veining		1	П	П					_		+				-
		-patchy grey sulphides, some sphalerite, minor			\vdash	Ħ			 		 	-		1			-
		disseminated pyrite	1		Н	Ħ			1		 	 		 			+
			1		H	††			1		 		 	1			+
		37.8: continue in moderate to strong potassic/	1	py	ĺΜ	int	3122	38.0	39.0	1.0	0.010	0.10	0 02	0.05			+
		siliceous alteration	1	1	11"	Ħ	7,22	30.0	122.0		10.010	V-1V	10.02	10.03			+
		-minor disseminated pyrite, mainly in veinlets	_			Ħ			1		 		 				+
1		-quartz carbonate veinlets common, mainly @	_			H			 								+
		10-20°	_		\vdash	H	3123	39 N	41.0	2.0	0.022	0.10	0.01	0.05			+
						H		22.0	41.0	2.0	0.022	0.10	10.01	U-U3			+
		41.0: continue as above, with evidence of grey-	2	DW		H											+-
		green altered host rock		he		H	3124	41.0	43.0	2.0	0.008	0.00	l	0.05			+-
		-disseminated pyrite hematite	-	 "	+++	╁	2124	-41.0	43.01		V-UU0	0.00	U.U.	0.02			
		41.5-42.1: moderate stockwork zone			+	H			-								
		41.7: fractures with weak clay alteration @ 500			Н	H			 								
1		TIME THE REAL CLAY AT LET ALTON W JU			++	H					 						+-
		-no pervasive pink alteratiion, but feldspars	7	DV	+	w			 								+-
		are altered	1	1	+1	٣+	3125	42 A	45.0	2.0	0.012	1 20	2 10	2 1 2			+-
		-many quartz/carbonate veinlets			++	H	-2162	43.0	43.0		10.014	1-/8	11-111-	24			+-
		-variable disseminated pyrite 5-10%			++	+			-				-				+-
		-veinlets often @ 20-30° or 40-50°			++	+											+-
		-after 46.5m have distinct green grey matrix with			++	+	3126	45.0	47.0	2.0	0.022	0.10	0.05	0 18			+-
		pink feldspars, traces of octahedral mineral	\neg		+1	+		- 15.00				0.10	0.02	0.10			+-
		(pyroxene(?) with carbonate alteration			\dashv	+											+-
		-chlorite and carbonate alteration common	_		77	+	3127	47.0	49.0	2.0	0.060	0.10	0.07	0 1/			+-
	I	48.0: weak potassic alteration, but still have			++	ᆔ		77	12.5			<u> </u>		0.14			+-
	1	banded veinlets and irregular pink alteration	7		++	+											+-
١٩١	90.0	Brown feldspar-pyroxene porphyry	_		11	w											+-
	T	-textures now clearly identify this unit: contact	_		++	+					 +						+-

GOLDEN LION PROJECT: HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 5 INTERVAL GEOLOGICAL DESCRIPTION MIDERALIZATION ALT ASSAYS KECOVERY Prou To ASP SAMPLE FROM 70 LENCTH Au Ag RUN Pb Zn 1 = 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 @ 450 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 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° tr gr with trace grey sulphides -weak stockwork in this area 3130 56.0 58.0 0.006 0.14 0.02 0.04 2.0 56.5-59.5: potassic alteration moderate with this quartz/carbonate veinlets @ 10-200 56.9: irregular quartz veining with grey 3131 58.0 60.0 2.0 0.012 0.08 0.03 0.09 gr sulphides 58.4-58.5: thin quartz veinlets with intense gr potassic selvages sphal -grey sulphide and sphalerite 58.7: thin quartz veinlets trace grev sulphide gr 59.9: 5mm quartz/carbonate veinlet @ 500 with gr prev sulphide -appear to have a moderate-strong silicification here with finely disseminated pyrite (3-7%) but 3132 60.0 63.0 2.0 0.006 0.12 0.02 0.07 no pervasive potassic alteration

		L-14 KA1	T EXPLORATION	OF (DOMEN L	LIT I ED				PACE	NO:	6				
INTERVAL To	CEDILICICAL DESCRIPTION		PERALIZATION					ASSA	YS						KECCO	UN-D
100 10	62 7. (X		A S	SAMPLE	FROM	TO	LENCTH	Au	Ag	Pb	Zn	T		RUN	Ë
	62.7: irregular quartz veining with grey sulphides	 	gr		3133	62.0	64.0	2.0	0.008	0.12	0.04	0.11	 			╆
		↓						1			1	1				┢╌
	63.0-64.0: irregular carbonate stringers, often	1_						 		1		 				╁╌
	with chlorite alteration inrims & on fragments									 	 	1	1	 		┢
	64.7: carbonate vein/breccia @ 550			П				†	 	1	_	 	_			┝
	65.6: irregular grey quartz/carbonate veinlet	tr	gr	\top			1	 	1	 	 	 	-			⊢
	with trace grey sulphide			\top			 	 	+		 	 	-			┝
	65.9: 5mm carbonate/quartz veinlet @ 45° with		gr	77	3134	66.0	68.0	2.0	0.004	1 40	0.07	0 10	 			├-
	grey sulphide, trace sphalerite, trace	tr	sphal	TT			1 30.0	 - 2.	10.004	1140	1 4.07	10.10	1			_
	chalcopyrite	tr	сру	\top	3135	70.0	72.0	2.0	0.003	0.54	0.01	0.06	 	\longrightarrow		_
	76.0-76.1: 5mm quartz carbonate veinlets with			\sqcap		70.0	7.2.0	 ~	FV. VV.	V-24	V.V.	10.00	 			_
	Chlorite @ 750			77	3136	74.0	76.0	2.0	0.003	0 16	0.01	0.02				_
	continue in brown porphyry with variable	3	ру	11		7,10	70.0	2.0	10.003	0.10	0.01	0.02	 			_
	disseminated pyrite (2-4%)			11					 				┝╼╼┼			_
	few thin carbonate/quartz veinlets @ 10-200			\top					1							_
				\top					 							
	78.0-78.6: weak bleaching with moderate	5	ру		3137	78.0	79 0	10	0.003	0.50	0.07	0.16				
	silicification and increased disseminate pyrite				9.57	70.0	77.0	1.0	0.003	V.30	V.V/	N-10		-		_
	/8.8: quartz/carbonate plus chlorite veinlet	tr	gr	111					 					$-\!$	$-\!\!\!\!\!+$	
	a 70° with trace grey sulphide			T					 					 -	 -	
	79.4: 5mm quartz/carbonate veinlet @ 00			H					 							_
	BO.O: 5mm quartz/carbonate veinlet @ 80° with	1	DV	H	3138	80.0	82.0	2.0	0.003	~						_
	minor pyrite, trace grey sulphide	tr		H	77.70	-00.0	02.0	2.0	0.003	0.14	-0-01	0-03			\rightarrow	
	BU.9: Icm crystalline grey quartz wein with			Π					 							
	chlorite @ 70°			Π					 							_
	81.3: banded quartz/carbonate vein @ 70°			Ш												
	81.6: 1-2cm quartz.carbonate vein/breccia with			Ш												_
	chlorite @ 40-50			Ш											 -	
	83.5; 5mm quartz/carbonate plus chlorite vien			Ш	3139	84.0	86 0	2.0	0 000	L	+				-	_
	1d 60	\Box		П			W-V		11.11.1	T TO E		11-112 h			-+	_
	88.0: 3.5cm quartz/pink carbonate vein @ 100		gr	Ш			-									
	with grey sulphide, sphalerite, trace chalcopyrite	. 7	sphal, cpv													_

MEM	/AL	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	A	TI				AZZA	ve					Tucc	OVER
rou	To		1 7				SAMPLE	FROM	10	LENCTH	Au	Ag	Pb			RUN	WEK
		88.7: quartz/carbonate plus chlorite breccia @500		 	F		3140	87.5	89.5			0.36		Zn	 	- run	+-'
		89.8-90.0: thin fractures with quartz carbonate	 		╁	H	3141	89.5				0.08			 		+-
		veinlets @10° form the contact between fresh	 	 	H	++	3141	63.5	130.5	1.0	40.00	OU.UO	0.04	0.15			+-
		brown porphyry and strong potassic/siliceous	1	 	Н	╁╅			+	 	+	 		 	 		+-
		alteration	 		-	++		 	+		+	 		 	 		╄
			 		+	╁╅			+		+	 	 		 		+-
.0	93.3	Strong potassic/siliceous alteration with	4	gr	s	18			+		 -						╀
		mineralized veinlets, in brown porphyry		sphal	۲	++		 	 		+		<u> </u>				+
\neg				сру	+	╁┼			+		 	 					╄
		-many veinlets carry grey sulphide, minor		CP/	+	††			+		╁	1					╀
		sphalerite, trace chalcopyrite			+	++			 		 	 					╁
					╅	++			+			 					╀╌
		90.5-91.4: zone of intense silicification with	_	gr	s	#	3142	90.5	91.5	1.0	0.019	9.82	0 16	0.25			╀
		moderate veining/brecciation		<u> </u>	۲	H	J. 12	70.5	71.5	1.0	0.010	3.02	0.10	0.32			╀
		-fine grey sulphides form denser patches locally			+	H			 		-	 					╀
		-quartz varies from grey to green to cream			╅	H					 	-					+-
		-potassic alteration continues with mineralized			s	s			 		 						╄
		veinlets to 91.9			Ť		3143	91.5	92.5	1.0	0.010	0.34	0 10	0 22			⊢
					\dashv	H	7477	71.5	12.3		10.010	0.34	0.10	V.23			⊬
-1					+	H			 		 						┢
					Н	H											┢
					H	H					 					 -	-
\Box					11	H					1						┢
					\top	H					1						⊢
	- 4				Ħ	П										+	 -
_					71	П										+	-
-					П	П										+	-
					П	П										+	_
-					П	\sqcap										+	_
		continue with brown feldspar porphyry with green			Ħ	Т										+	
_		montmorillonite in feldspars cut by irregular			П	\sqcap				 						 	—
		veins and zones of strong pink potassic/siliceous	T														

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 8 INTERVAL CEDLUCICAL DESCRIPTION MIDERALIZATION ALT ASSAYS Prom To RECOVERY ASP SAMPLE FROM LENCTH Au Ag alteration Pb RIN 92.0-92.1: 5mm veinlets with mineralization @450 92.4: 3cm quartz veinlet 92.6: 5mm clay gouge @ 40° 3144 92.5 93.5 1.0 0.010 4.64 0.15 0.22 92.8: 5mm quartz vein, grey sulphide, and gr sphalerite, @ 450 sphal 93.0: 5mm quartz vein @ 450 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 sphal -very broken core 93.5: grey quartz/carbonate breccia in broken 3145 93.5 95.5 gr 2.0 40.003 0.78 0.06 0.14 core, with grey sulphide minor sphalerite sphal 94.0: 1cm quartz/carbonate vein @ 600 94.7: 1cm quartz/carbonate vein @ 80° with minor gr grey sulphide 97.0: 5mm quartz vein @ 50° with grey sulphide traces and pink selvages 99.2; quartz veinlet with pink selvages, trace grey sulphide -still in broken core 99.8: quartz yein with pink selvages and minor grey sulphide @ 65°, cut off by quartz/garbonate veinlets @ 10° 100.8-101.0: potassic alteration and bleaching 2 py SS 3146 100.0 102.0 2.0 with disseminated pyrite up to 47 0.006 0.98 0.03 10.08 -irregular quartz veining, minor grey sulphide

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED

PACE NO: 9

INTER		CEDUCICAL DESCRIPTION		PERALIZATION	A					ASSAY	rs .						KEX	XXX
Pron	To		X		A.S	P	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn			RUN	T
		101.2: 1cm grey quartz/carbonate vein with grey		er						I								Т
		sulphide, sphalerite, pyrite, @ 750		sphal	П	I						Ι	I		\mathbf{L}		T	T
				py	П	Ι									L		T	7
		103.3: 5mm grey quartz vein @ 60°, grey sulphide.		er	П				1		T						1	T
		minor sphalerite, strong potassic selvages		sphal	П	s			1									1
					П	П												1
		103.5: increased potassic alteration to a weak			П													\top
		pervasive pinkish colour, with intense zones and				Тм							T					Т
		selvages associated with veining			П	П			1									1
					П	П												T
		104.0: irregular grey quartz patch with grey		gr	Т	Is	3147	104.0	105.0	1.0	0.008	0.38	0 03	0.12				T
		sulphides and strong potassic selvages			Т	П												T
					Т	П												t
		104.3-104.4: grey quartz veins @ 10° with			T	Ts			1									t
		disseminated grey sulphide and potassic selvages			\top	П			1				i ———					t
					\top	П			1									t
5.0	129.8	Host rock is becoming much finer and more even			T	П	3148	105.0	106.0	1.0	0.006	0.10	0.17	0.12			F	r
		textured (not porphyritic)			T	П	***				2.00			V-14				r
		-the matrix appears gritty rather than dense, fine			╅	П												r
		grained			T	П				-								r
		-feldspars are no longer crowded together; some			1	П												Η
		feldspars show the green montmorillonite alteration	n 1		十	Ħ												-
		-carbonate in matrix common			\top	П						-						Г
		-compositionally rock appears quite similar, but			Т	П												Т
		texturally is very different; may be a tuffaceous	\neg		Т	П												_
		equivalent, border phase of intrusive, or a			Т	П										-		Т
		separate similar tuff			Т	П												
					┪	П												_
		105.6-105.8: strong silicification and thin clay	\neg	or	S	П												_
		shears @ 450			Т	П										-	-	_
		-patchy grey sulphides	\neg		Т	П												
			_		1	П								-				_

INTERV	4	The second secon			_													
TATENA	To	CEDILOGICAL DESCRIPTION		PERALIZATION						ASSA	rs						KECOX	ŃΣ
TOL	10	105 0. 1	X			SP	SAMPLE		TO	LENCTH	Au	Ag	Pb	Zn		R	LN	Γ
		105.9: dark grey quartz-sulphide veinlets @ 45	L.	gr		SS	3149	106.0	107.0	1.0	4 0.003	0.08	0.20	0.15		$\neg \neg$		Г
	<u> </u>	within a zone of intense pink potassic alteration	Ш	<u> </u>	Ц	Ш					Ι							г
	<u> </u>	that continues to 106.5			Ш	Ш												Γ
					П												\neg	_
		-continue with numerous quartz/carbonate veinlets,			П	П	14.				1						\dashv	_
		irregular attitute or @ 45-60°			П	П	3150	10.7.0	109.0	2.0	0.006	0.18	0.02	0.10			\dashv	_
		-some thin clay fractures			П	П					1	1	1	0.10				_
					П	\sqcap					1	 	 	 	 			-
		109.0: grey quartz carbonate breccia zone with		gr	П	\forall			 		+-	 	1		 		 	-
		minor grey sulphides, trace sphalerite	tr	sphal	H	11			 		+	 					\rightarrow	_
		109.0-112.0: many 5mm quartz/carbonate veinlets,			H	H			-				 				\dashv	_
T		some with breccia, dominantly @ 20-30°			H	††					 	 						_
		112.6-114.6: strong potassic alteration	_		H	s	3151	112.0	11/	2.0	0 000	1 10	0 01	0.00				_
		112.6-112.9: silicification and brecciation		gr	1		2121	112.0	114.4	2.0	40,003	0.12	10.01	0.02			-	_
$\overline{}$		with grey sulphide		181	۲	╫					 	ļ						_
$\neg \neg$, , , , , , , , , , , , , , , , , , ,			+	++					 	Ļ					_	_
	-	114.8-115.0: zone of fractures and clay alteration			+	╁╁	2152	117.0	116 0	<u> </u>	2 2 2 2				-		_	_
$\neg \neg$:	and quartz veining @ 500	-		4	₩	3132	114.0	110.01	2.0	0.003	0.06	0.02	0.03	$-\bot$			_
		die deglez verning 6 30-			+	₩					<u> </u>						${oldsymbol{\perp}}$	_
		115.0-120.0: moderate, intermittent potassic			4	Н	41.25										\perp	
		alteration			+	M												_
		-irregular veining/brecciation often @ 10-20°			4	#												
-		120.0: 5cm quartz/carbonate, multiphase @ 30°	\dashv		4	Н	3153	118.0	120.0	2.0	0.003	0.02	40.01	0.03				_
-		and 60°			4	14				· · · · · · · · · · · · · · · · · · ·								
-					4	₩.												_
_		-intense potassic selvage			+	Н												-
_					4	Н											\neg	•
		-continue with pale grey-brown gritty tuffaceous	_		1	Н											\neg	-
-+		with irregular carbonate/quartz fractures			┸	Щ	l					3		{			\neg	-
		122.3: quartz/carbonate vein/breccia @ 45°	_		\perp	Ш	3154	122.0	124.0	2.0	0.006	0.04	0.01	0.03			\neg	_
-		122.6: 5mm pink carbonate vein @ 30°			\perp	Ш		- 5 5									\top	-
\dashv		122.7: fractures with carbonate/quartz 0700			$oldsymbol{\Gamma}$	Ш											_	-
		125.8-125.9: fracture zone with clay alteration@40	o T	- 7	eП	Т	3155	127 0	120 0	2.0	0.000	2 22	2 21				-+-	-

PROJECT: GOLDEN LION HOLE: GL-84-9 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 11 MITERALIZATION ALT

X ASP SAMPLE FROM INTERVAL, CEDILICICAL DESCRIPTION ASSAYS KECOVERY Prom To LENCTH Au Ag 10 Pb Zn RUN Z -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

· 11 #

NEXISTATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVIL Surface	DEPTH BEARING	DIP	TYPE OF SURVEY	DEPGN1 44.5 m	HOLE NO. GL-84-10
LOCATION 195N 185E	Collar 020°	-45°	Compass	CORE SIZE BO	SIEET NO. 1 of 5
ELEVATION 1865 m				TOTAL RECOVERY 86%	LOCOED BY G. McLaren
LATITUDE 190.1N				STARTED Aug. 14/84	CLAIM Golden Lion
DEPARTURE 186.8 E				COMPLETED Aug. 15/84	PURPOSE

INTEX		GEOLOGICAL DESCRIPTION	мі	NERALIZATION	AL	I				ASSA	YS	-				RE	00001	ERY
From	To		Z		AS	P	SAMPLE	FROM	TO	LENGTH	Au	Ag	Pb	Zn		RUN	\sqcap	7
0	12.2	casing			П	П			1			1	1	1		12	3	_
					П	П				1						13.		
12,2	14.0	Broken core, clay gouge and argillic alteration			s	П									 		.2	
		poor recovery			П	П										16		-
			Т			П					1					20		_
14.0	19.0	Zone of intense pink potassic alteration with		ру		s		<u> </u>			1	1	 	├			.2	_
		thin irregular quartz carbonate veinlets			П	П									† <u> </u>	26	_	_
		-some remnant feldspar crystals, locally showing	Γ			П			1			<u> </u>			1	29	_	ī
		green montmorillonite alteration	\Box		П	П							 -	1	1	32		ì
		-appears to be altered brown feldspar/pyroxene				П			1		1			1		35.	_	•
	- (porphyry			\top	П					 		·		 	38		-
		-local minor disseminated pyrite			一	Ħ			1		+			·	 	41.		_
			\vdash			H			+		+			 	 	43		_
		14.2:) 3cm limonite selvage on			十	H	3156	14.0	15.0	1.0	0.024	0 22	0.02	0.08	1	44	_	_
		15.1: open fractures with			1	Н	3		1-5.5		10.027	0.22	0.02	0.00	 	144	_	_
		15.9: calcite/caliche coatings			+	H	3157	15.0	16.0	1.0	0.056	0.20	0.05	0 11			+	_
						H	<u> </u>	-3.0	120.0		10.030	0.20	0.03	0.11	 		┰	-
		14.6-17.6: weak stockwork/fracturing of fine		ga	+	H	3158	16.0	17.0	1.0	0.012	0 18.	0.15	0.21	 		+	-
			tr			H	7270	20.0	+****		0.012	0.10	0.17	0.21	├┈┈ ┼─		十	_
		veinlets containing minor galena, grey sulphide.	tr	DV	\top	П					+			 	 		-	-
		trace sphalerite, pyrite		sphal	1	Ħ	3159	17.0	18.0	1.0	0.072	0 30	0.51	0 //8	 		+	-
		-trace disseminated pyrite through host rock				H	<u> </u>		1.0.0		0.072	0.50	0.51	0.40	 	+-	+	-
		16.0: 2cm quartz/carbonate vein with minor grey		gr	+	H			1								+	-
		sulphide @ 20°		4	\top	H			1								+	-
		-limonite staining			-	Н			 		+							-
		16.3: fractures with carbonate/quartz openings		gr		s			 		 				 		-	-
		and thin grey sulphides throughout @ 75°		- 05 	\top	Ħ			1		+						+	_
]		16.5- 16.8: clay gouge zone, minor fault				H			1		+			 -			+	-

	PKOJ	SCT: GOLDEN LION IOLE: GL-84-10 NE	WMUN	I. EXPLINATION	OF.	CANAL	N LIP	II IED				PAGE	w:	2				
INTER	VAL	GEOLUCICAL DESCRIPTION	MU	ERALIZATION	AL	r				ASSA	rs .						KECO	WE:
LOUE	To		X		AS	P SA	MPLE	FROM	10	LENCIH	Au	Ao	Pb	7n	Τ		RUN	Ϊ
		16.8-17.6: zone of intense silicification and		ga	s				1	1	1	 *** -	 ** -	 ~~				t
		veining with minor potassic altered fragments		er		П			 			1	1	 				t
		-disseminations/massive patches of galena, grey	T	sphal					 	}	1	 	 	†		$\overline{}$		t
		sulphide, sphalerite, trace pyrite		py		T-			 	 	 	 	1	 				t
		-zone includes clay shears, with quartz veining							1				_	 				t
		and gouge							 	 	+	 	 	 				ł
						\sqcap	-		 	 	_			 				t
		-stockwork finishes @ 17.6 but potassic alteration			7	м					 	 		1				ł
		continues with pale green feldspars							1	 	 			 				ł
					\neg						 		 	 				ł
		18.6: quartz vein with chlorite selvages		DV	\neg	3	60	18.0	19.0	1.0	0.020	0 15	0.01	0.04		$\overline{}$		ł
		-amethystine, in part		ga		-		10.0	12.0	1 - V	TV-UZI	10.13	man.	10.00				ł
		-disseminated pyrite, minor sphalerite, galena		sphal	Н	_			1		 	 	 	 		$\overline{}$		ł
				BUILD	\dashv	+-			 	 	 		 	 	 			ł
9.0	23.0	Brown feldspar porphyry with propylitic alteration	-	n.,	+	W 3	<u> </u>	19.0	h	2.0	2 000	 	0.01	 		-		ŀ
		-good feldspar phenocrysts	-	sphal	Н	M-7	 	14.11	KJ-U-		10.020	10.13	10.01	0.04				ŀ
		-some with either carbonate or green nontmorillon-		Spirat	+	31	62	21.0	23 0	2.0	0 022	0.30	0 10	0.20				H
		ite alteration of mafics and matrix			++	+~	** -	21,0	23.0	2.0	10.032	<u> </u>	10-10	0.20	 			ŀ
		-potassic alteration is variable from weak to			++	_	-		 			 		 	-			H
		moderate			++	_		-			-	 			┝╼╾╅	\longrightarrow		H
		-irregular fractures and veining			+	1			_									H
		-local disseminated pyrite, trace - 5%			╁	\top			 		 			-		$\overline{}$		r
		-weak disseminated grey sulphide, and sphalerite.			++	+					 		 					r
		usually associated with veinlets			+	+					 		 					H
					++	+-					-			-				r
		21.3-21.9: increase in irregular fractures with		or	11	_	-		 					-				r
		quartz/carbonate fillings carrying grey sulphides			++	+-										+		-
		and sphalerite			77	1	+											-
			\neg		++	1-					 			\vdash			\dashv	-
3.0	24.2	Moderate to strong potassic alteration/silicifi-			╁╁	1 21	63	23.0	2/ 0	1.0	0 022	0 12	0.06	0.20			}	-
		cation in zone of many fine fractures with clay	\neg		**	4-2	**	لادت	44.V.		1.034	الداما	n-np	10.20		+		-
		alteration in fractures	\neg		╅┪				 					├			-	-

MIEK	AL	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	AL:	rT				ASSAY	S						KECO	NT.
,000	To		X				SAMPLE	FROM	TOI	LENCTH	Au	Ag	Pb	Zn	T	T	RLN	Ť
		-includes some limonite selvages from surface				П											1	1
	1	alteration				П										1	1	✝
						П										†		t
4.2	25.2	Strong clay alteration mainly related to shearing		DV	s	П	3164	24.0	25.0	1.0	0.010	0.20	0.13	0 23	 		 	t
		-foliated grey clays with minor finely dissem-				П			1 27 1		1		1	1	_		_	t
		inated pyrite				H			!!	<u></u>	 				 	 	 	t
		-foliation at varying angles, but often @ 50-60°				П					1					<u> </u>	 	t
		-includes pink carbonate veinlets with dissem-				\vdash			1		1					 	 	t
		inated pyrite			1	П											 	t
					\top	\sqcap		1						 -	<u> </u>		 	t
5.2	27.9	Zone of variable strong potassic alteration to			15		3166	25.0	26.0	1.0	0.012	0 13	0.42	0 16			 	t
		strong silicification with veining of a green			77	Н					0.0.2	V-1-1	W. 32	V-10			 	t
		chloritic host			\Box	\top	3167	26.0	27.0	1.0	0.006	0.25	0.50	1 00			 	ŀ
		-host contains feldspar-pyroxene phenocrysts:			\Box						7.00	11.6		1.117				۲
		propylitic alteration of the brown prophyry			$\neg \neg$												 	t
					77													t
		-patches of porassic alteration up to 40 cm.			\top												 	۲
		separated by fractures			\Box												-	r
					\top										-			۲
		25.7-25.9. chloritic alteration cut by siliceous		ga	S													r
I		zone with pink carbonate veinlets carrying galena		sphal	T	\top											\vdash	۲
	St. W. J.	sphalerite, minor pyrite		DV	\top													۲
		26.0-26.2: broken core, chips similar to 25.7		sphal	T ब	\top												r
		but with coarse sphalerite grains				Т											 	۲
		26.4-26.6. 27.1-27.2: as at 25.7			\top	Т												٢
					Π													Γ
		27.9: contact with harder more massive material		1	П	Т												_
\dashv		along a clay shear @ 65°	\Box		\Box	I												Ĺ
,	37.0		-		+4	4-									\Box			_
	2/.0	Brown feldspar porphyry with propylitic altera-	\dashv		44	+												

PROJECT: HOLE: GL-84-10 NEWHONT EXPLORATION OF CANADA LIMITED GOLDEN LION PACE NO: 4 INTERVAL MDERALIZATION ALT CECLOCICAL DESCRIPTION ASSAYS KECOVERY ASP SAMPLE Prom To FROM LENCIH Au RUN : Ag Pb -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 0.008 0.15 0.08 0.22 27.0 28.0 1.0 -very fine fractures with carbonate veinlets 3169 28.0 <0.003 0.13 <0.01 0.03</p> 30.0 2.0 -continue into green-brown massive rock with 30.0 32.0 $0.012 \ 0.14 < 0.01 \ 0.03$ propylitic alteration 3171 36.0 37.0 1.0 KQ 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 υv -nink carbonates -disseminated pyrite 2-4% 37.7 Strongly silicified zone with irregular quartz 37.0 S 3172 37.0 38.0 1.0 0.032 0.23 3.36 0.06 עמ veins and disseminated pyrite 37.1: contains 2cm zone of galena, with minor sphalerite pyrite in vein @ 5° sphal -specks of disseminated galena elsewhere in TTрy $\neg \neg$ section -most veining tends to be across core: 0-15° 44.5 Return to brown porphyry with propylitic _py_ alteration -very finely disseminated pyrite, trace - 5%

GOLDEN LION HOLE: GL-84-10 NEWHONT EXPLORATION OF CANADA LIMITED PROJECT: PACE NO: 5 DVTERVAL CEOLOGICAL DESCRIPTION MITERALIZATION | ALT ASSAYS KECOVERY From To A S P SAMPLE FROM B LENCIH Au Ag Pb RUN : 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 S 3174 41.0-41.1: thin silicified zone with galena and ga 41.0 42.0 **∠**0003 0.10 | 0.23 | 0.09 sphalerite in patches in veinlets sphal 1.0 -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 gougefault zone at this point 44.5: End of Hole

MEMPIORIT EXPLORATION OF CANADA LTD

LRTILL HOLE RECORD

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIN	114.3 m	HOLE NO.	GL-84-11
LOCATION 195N 185E	001141	020	-55 ⁰	Compass	CORE SIZE	BQ	SIEET NO.	1 of 11
ELEVATION 1865 m	90.0m		-52°	Acid	TOTAL RECOVERY	917	TUCCED RA	G. McLaren
LATITUDE 190.1N			7		STARTED Augu	st 16/84	CLAIM	Golden Lion
DEPARTURE 186.8E					COMPLETED Augu	st 18/84	PURPOSE	

INTER		GEOLOGICAL DESCRIPTION	MU	NERALIZATION) AL	J				ASSA	YS.					RECO	YUEP
From	То		7		AS	P	SAMPLE	FROM	100	LENGTH	Au	I Ag	Pb	Zn		RUN	T
0	9.8	Casing				П			 		 ~~	+- ^	1 - 10	 		9.8	
					\Box	11				 		+	 	 		111 0	بعل
9.8	32.2	Brown feldspar pyroxene porphyry with strong			H	Isl			1	 	+	 	 	 		11.0	+-2
		potassic alteration, cut by irregular fracture			\sqcap	Ħ				 		 	 	 		14.3	
		zones giving strong clay alteration			\sqcap	П				 		 	1	 		17.1	
						П			1		1	 	 	 		19.8	
		-initial intersection shows moderate-strong			П	11			 	·	 	 	 			20.4	
		potassic alteration				Π				· · · · ·	1	 	 			21.6	
		-feldspar phenocrysts show weak carbonate alter-			П	П					+	 	1			23.2	
		ation				П					 	 				25.0	
		-minor disseminated pyrite			П	П					+	1	 			26.2	
		-disseminated and veinlet hematite, locally gives			П	П					1	1	 			27.4	
		orange alteration				П					 	 				29.9	
		-very broken core: variable recovery			\Box	\prod							<u> </u>			32.6	H
					\Box	П						1				35.4	
		12.4: 5cm quartz veining in fracture zone.				П	3175	12.0	14.0	2.0	0.003	0.35	0.02	0.06		36.3	
		considerable limonite staining				П					1	1-4-2-2	0.00	7.07		39.0	H
		12.8: 5mm carbonate veinlet @ 80°				П					1	1				39.9	
		14.0: commence strong clay alteration in			s	Π						1				41.5	
		irregular patches														44.5	10
		-distinct gouge zones @ 14.8. 15.5. 16.8 and 19.8	1		\perp	Ц										46.9	
		15.0: 4cm zone of quartz veins, with fine		er	s	Ц										47.8	
			<u>tr</u>		Ш	Ц										49.4	10
		pyrite, @ 00	<u>tr</u>		Ш	Ш										50.6	
		20.4: 15cm siliceous zone, grey-cream quartz	_	gr	S	Щ	3176	20.0	21.0	1.0	0.022	16.34	0.37	0.98		51.8	10
		with irregular patches of grey sulphide, minor		<u>ga</u>	Ц	Ш	I									53.0	10
-		galena, sphalerite, trace pyrite		spha1	44	Ц.										56.1	
		<u> </u>		_pyi		L.L.										56.7	

	PROJE	CCT: GOLDEN LION IDLE: GL-84-11 NO	WUN	r expliratio	N OF	CA	ALL AGAV	ധ്രാ				PACE	NO:	2		
INTEX	VAL	CEDEUCICAL DESCRIPTION	MU	ERALIZATION	AL	T				ASSAY	rs				 RECO	กหา
Prom	To		Z		AS	P	SAMPLE	FROM	TO	LENCTH	A11	I Ao	Pb	Zn.	RIN	T
		-late carbonate in fractures			П	П					1	1		1	 59.	1
		-finish with sharp angle between siliceous and			S	П					1	1		1	61.	
		clay gouge @ 450			Π	П						1		1	62.	
					Π	П					1				65.	
		-return to strong potassic alteration			\prod	s									68.	
						П									71.	_
		21.6: 2cm siliceous zone with minor grey sulphide and galena @ 0-10°, followed by 2-3cm clay gouge		er	s	П	3177	21.0	22.0	1.0	0.003	1.18	0.05	0.10	74.	
		and galena @ 0-100, followed by 2-3cm clay gouge		sphal	Π	П					T				77.	
					Π	П									80.	
		-followed by 4cm of silicified porphyry with		ру	S	П									83.	_
		disseminated pyrite			\prod	П									86.	_
		-followed by 10cm of hematitic silicified		he	8	П									89.	
		porphyry			Π	\prod									90.2	
					44	Ц									93.0	
		23.0-23.8: strong potassic and siliceous		РУ	S	S									96.0	
		1	\square	gr	4	Ц									97.8	3 1
		-trace disseminated pyrite, grey sulphide	\vdash		44	Ц									99.4	
					11	Н									102.4	410
		-return to clay altered porphyry	-		X	Н									104.2	11
		24.9: weak quartz veinlet with grey sulphide, trace galena, @ 400		gr	44	Н	3178	24.0	26.0	2.0	0.016	0.22	0.02	0.10	105.4	41
			tr	ga	44	Ц									108.5	
		25.6-25.8: clay gouge with grey-white quartz veining			S	1						L			 111.6	
		28.0: weak clay alteration in potassic porphyry			4.4	-					-				 114.3	1
	- 19	29.6: carbonate/quartz veinlet @ 50°			W	13					-				 	Ŀ
		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°			+++	4									 	L
		30.2: 5m carbonate/quartz veinlet @ 450			+++	+	2180	31 0	30 0		0.01				 	1
_	-	31.5-31.6: siliceous zone with patchy grey		gr	1 s	+	3180	31.0	32.0	1.0	0.010	0.43	0.10	0.41	 	1
_		sulphide, minor sphalerite, trace galena,		sphal	113	_									 	_
		chalcopyrite @ 0-10°	tr		╁┼┤	+			+		 				 	1

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWHANT EXPLORATION OF CANADA LIMITED PACE NO: 3 INTERVAL CEDILICICAL DESCRIPTION MINERALIZATION | ALT ASSAYS RECOVERY From To X ASP SAMPLE FROM LENCTH Ag Pb Zn RUN Z tr cpy \Box Π -return to clay altered potassic porphyry 32.2 37.5 Pale green-grey, moderately silicified porphyry M with irregular veining and weak bleaching through- tr he out (weak stockwork) -medium-fine grained feldspars, white with carbonate 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 0.042 0.22 0.12 0.48 33.0 34.0 1.0 sphalerite 32.9: as at 32.4 3183 34.0 | 35.0 0.044 0.16 0.17 -veins tend to be @ 45°, but often cut by 75-85° 35.0 | 36.0 3184 1.0 0.038 0.18 0.10 0.10 fracture offsets -continue with numberous thin veinlets @ 45-850, 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 propylitid alteration -a finer grained phase of the porphyry with

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 4 INTERVAL CEDLUCICAL DESCRIPTION MINERALIZATION ALT RECOVERY From To A S P SAMPLE Z FROM TO LENCIH Au Ag Pb Źn RUN = 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 @ 75-850 with weak potassic alteration between veinlets 40.9: 15cm carbonate filled fracture/breccia @ 41.9: thin carbonate veinlets @ 00 42.5: 5mm carbonate veinlet @ 65° carrying sphal sphalerite, galena ga 42.9 47.2 Strong potassic alteration in brown porphyry -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 SS 3187 43.0 44.0 1.0 0.010 0.14 0.05 0.08 carrying grey sulphide, minor galena, sphalerite ga sphal 44.0: moderate potassic alteration in patches 3188 44.0 45.0 1.0 0.014 0.14 0.09 0.08 with green propylitic altered porphyry 3189 45.0 47.0 2.0 0.012 0.12 0.01 0.07 46.6: lcm quartz/carbonate veinlets @ 40° with gr grey sulphide minor sphalerite sphal -strong potassic selvage 47.0: quartz/carbonate veinlet carrying grey

70000											PACE		5				
Prom	To	GEOLUCICAL DESCRIPTION		ERALIZATION	ALT				ASSA	YS						RECO	(ASO
7104	10		X		AS	SAMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn	1		RIN	1
		sulphide, sphalerite		sphal	Ш						1	1	1	1		1001	╆╌
47 2	50.0				Ш			\perp			T-		1	11			╆
47.4	-30.0	Strongly silicified zone with irregular veining	8.	DY	s	3190	47.0	48.0	1.0	0.014	0.18	0.59	0.76				┢
		carrying sulphides		ga	Ш												┢
			_	sphal	Ш					1			1	1			⊢
		siliceous shear zone with multiple quartz veins.	_		Ш						1				-		Η-
		sulphide veinlets, plus clay alteration in shears	_		Ш												_
		-galena, sphalerite and pyrite in yeins			44					1						—	_
		-3-12% pyrite disseminated throughout			44	3.5									$\overline{}$		
		47. 5: quarta volta va a 1 (1) 1111 0 100			44	ļ									_	_	
		47.5: quartz veins up to lcm with sulphides @ 100	-		++	-										-	_
		47.8-50.0: quartz veining within silica flooding	ᅱ		s										\Rightarrow		
		48.5: 1.5cm quartz vein with pink calcite in	_		77	3191	48.0	49.0	1.0	10.000	2 12						_
		centre @ 150	\neg		11	3192	40.0	50.0	1.0	0.003	0.10	0.12	0.24				
		48.5-49.1: strong silicification and fracturing	\neg		15	3132	47.0	130.01		0.003	0.16	0.93	0.08				_
		49.3: clay coated shears in broken core. 0 80°(2)	7		+*	 		 									_
		-followed by well fractured zone to 49.9	7		++							-	}		\longrightarrow		_
		49.9: 1.5cm quartz vein with coarse galena, offset	\neg	oa .	++						ــــــــــــــــــــــــــــــــــــــ						
		by fractures @ 80°	\neg		++	 		 		1							_
			\neg		++					 							_
ر می	93.0	Brown feldspar porphyry with propylitic alteration		he	++-	3193	50.0	52 0	2.0	0.012	0 12	0.07					
					\top	3223	30.0	32.0		0.012	0.13	U.U/	. 0.34		-		
		-similar finer grained phase with only local dense	-1		T			-								-	
		accumulations of feldspar-pyroxene phen	_ 1		\sqcap												_
		carbonate and chlorite alteration of both matrix	- A		\sqcap							+				\rightarrow	
-		and mafics	- 1		T					-					$-\!\!+$		
		-feldspars oftenshow green montmorillontie alter-	\Box					-				-					
-+		action	\perp		Π			1								\rightarrow	_
-+	‡	disseminated hematite gives variable orange			$\Pi\Pi$												_
-+		colouration	\perp		\Box								\longrightarrow				
	:	in numerous places within this section, porphyry	T		Ш											$-\!\!\perp$	

PROJECT: GOLDEN LION HOLE: GL-84-11 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 6 DYTEXVAL CEOLOGICAL DESCRIPTION MINERALIZATION | ALT ASSAYS KECOVERY A S P SAMPLE FROM From LENCTH Au TD RUN Z 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° -auto brecciated textures 51.5-51.6: quartz/carbonate veins up to 2cm wide sphal @ 450 carrying coarse sphalerite, minor galena ga -disseminated pyrite 3-5% in adjacent host rock $T\Gamma$ -continue with auto-brecciated textures in propylitic alteration 55.8: strong fracturing and silicification with 4 py 3194 55.5 56.5 1.0 0.014 0.13 0.19 1.00 irregular veining and some clay on fractures sphal ga -quartz/carbonate veining, locally with coarse sphalerite minor galena -pyrite disseminated in host, 2-5% 57.0-57.1: irregular fracturing with clay 3195 57.0 59.0 2.0 0.003 0.05 0.02 0.06 alteration 58.0: 4cm siliceous fractures @ 40° with minor 2a Isl disseminated galena, trace chalcopyrite CDY П -continue in propylitic brown porphyry with auto-breccia textures

	PKOJE	ECT: GOLDEN LION HOLE: GL-84-11 NO	MUM	T EXPLORATION	OF	CAN	ALI ADAV	(CELLED)				PACE	NO:	7				
NYKSTYC	AL.	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	AL	I				ASSA	YS						KECO	NATE OF
rous	To		X		AS	P	SAMPLE	FROM	100	LENCTH	Au	Ag	PЬ	Zn	1		RUN	٣
		-many thin carbonate veinlets			П	T					1		+	+ ===	1		<u></u>	t
					П	11			1	 	+	 	+	+	 			╁
		62.0: 7cm grey clay gouge @ 00			П	11			 		1	 	 	+	 			t
					П	Π				 	+		 	+	++			t
		62.8-68.4: zone of fracturing and strong argillic		gr	s	#	3196	63.0	65.0	2.0	40.003	0.08	0.01	0 02	╂╼╼╅			╀
•		alteration		DV	H	11			102.0		70.005	10.00	10.0.	10.02	++			₽
		-multiple fractures with common directions @ 500,	tr	CDV	\vdash	11			 	 	+	 	+	-	++			⊦
		and @ 75-90°			\vdash	11			 	 	 	 	 	+				⊦
		-minor disseminated grey sulphide pyrite, trace			\vdash	H			1	 	 	 	 	 	 			H
		chalcopyrite				11					+		 	 	 		لسنسم	H
		-still in brown, brecciated porphyry				11					+			 	 +			⊦
		65.8-66.3: clay gouge followed by broken core			S	††			 		-		 	 	 			⊦
		and clay alteration			Ť	11					+		 	+	╀──┼		لــــا	⊦
		67.3: start zone of strong green montmorillonite			s	tt	3197	67.0	69.0	2.0	0.003	0.16	0 01	0.02	╂			┝
		alteration infeldspars with orange hematitic			ĬН	H	3,2,	07.0	03.0	2.0	90.003	0.14	70.01	10.02				⊦
		colour in matrix			Н	11					+		 	 	 			۲
		68.0: thin clay gouge				1					+			 				۲
						+					1		 	 				H
		68.5: fractures with clay alteration and pink	\neg		s	++-					1		 	 				۲
		carbonate vein @ 100				Н					1		 	[_
		68.7: 4-5cm siliceous zone with 5-8% disseminated	6	pv	s						1		 	 				_
		pyrite			11	_					1		· · · · ·			-+		_
		69.0-69.5: clay gouge zones in brown porphyry	1	13	a									 				_
-	-	69.6-70.0: clay shear @ 70° followed by clay			ब्र ।								 -	 	 	+		_
		altered fractures			\Box	工										-+		-
		-continue in auto-brecciated porphyry, with	{		+	H-					1					=	\Box	_
\Box		fragments up to 20cm	\dashv		╅	+					 			 -	 			
\perp		-thin (lmm) carbonate veinlets in many directions			世		3198	72.0	74.0	2.0	0.003	0.14	40.01	0.01				-
+		7/. 3: 20= 0100 0000 0 700	\Box		Ţ						$\Gamma = T$				二			-
		74.3: 3cm clay gouge @ 70° 78.0: 2cm clay gouge @ 0°	-		41	_	3199	76.0	78.0	2.0	≰0.0 03ĺ	0.08	40.01	0.01				_

		ECT: GOLDEN LION HOLE: GL-84-11 NE	MENT	I CADMAIO	OF.	•	MARKA TTI	II IED				PACE	NO:	8			
DVTEX	VAL	GEOLOGICAL DESCRIPTION	MI	ERALIZATION	AL	Ī				ASSAY	rs				 	KECO	VER
Prou	To		X		AS	IP	SAMPLE	FROM	70	LENCTH	Au	Ag	Pb	Zn		RUN	T
	L	92.4: many anastamosing thin clay fractures @			П	П	3200	80.0	82.0	2.0	₹0.003	0.04	≥0.01	0.02			┢
		70-900			П	П					1						Н
77		-rock becomes lighter, slightly bleached			П	П	3201	84.0	86.0	2.0	0.003	0.18	<0.01	0.01			H
					П	П	3202	88.0	90.0	2.0			<0.01				\vdash
					П	П	3203	92.0	93.0	1.0	0.016	0.14	<0.01	0.02			$\overline{}$
					П	П					1		1	1			<u> </u>
93.0	95.0	Shear zone surrounded by bleached, weakly	4	ру	П	TW					1					$\overline{}$	r
		silicified, and pyritic material	1		П	П					1		1				Г
					П	П					1				-	-	<u> </u>
		93.0: bleached and weakly silicified pale green-			П	П	3204	93.0	94.0	1.0	0.014	0.18	0.05	1.18			۲
		grey rock with finely disseminated pyrite 3-5%			П	П									_	-	_
		93.4: becomes strongly sheared in grey green.			s	П											_
		thinly laminated clays @ 45-60°			П	П											_
		93.8: followed by 20cm siliceous zone, bleached	8	DV	Ts	П									_		_
		pale green, carrying 8% disseminated pyrite.		sphal	П	П					1				 		_
		patches of coarse sphalerite, minor galena		ga	П	П											-
		-finish in 5mm clay gouge @ 100, and pass		sphal	П	П											÷
		immediately into 20cm of strongly sheared material				П											_
		@ 85° with coarse grains sphalerite			\sqcap	П											_
		94.0: return to pale green weakly siliceous zone	6	ру	W	П	3205	94.0	95.0	1.0	0.018	0.18	0.06	0.01			_
		with very finely disseminated pyrite 5-8% through	ut	sphal	П	П											_
				ga		П										_	_
-		-minor irregular disseminated sphalerite, galena,				П											_
		often in irregular carbonate veins			Н	П										\neg	_
		94.8: 10cm zone of irregular carbonate veining		сру		П											_
		with 3% chalcopyrite, trace pyrite	tr	ру		П											_
		-minor quartz				П											_
<u> </u>	11/ 2					П											_
3.0	114.3	Takla Volcanics				Ц										\Box T	
						Ц											
		-silicification and shearing above passes slowly	_5	ру		Ц				1							_
		into fine grained green volcanic		СРУ		Ιĺ				-						_	_

	rku	ECT: GOLDEN LION IOLE: GL-84-11 NO	ANUN	I EXPLORATION	OF	CAN	ADA LI	ALTHED)				PACE.	NO:	9			
DALEX		GEOLUCICAL DESCRIPTION	MI	ERALIZATION	AL:	1				ASSA	YS						KECOV
,com	To		X		AS	P S	AMPLE	FROM	10	LENCTH	Au	Ag	Pb	Zn	Cu		N
		few feldspar phenocrysts			\prod	П									1		-+
		-dominantly fine needles and laths of feldspar				Π					1						\neg
		and dark green mafic (hornblende?)			П	П					1	1		1			\neg
		-fine green chloritized matrix			П	П					1	1	†	 			-+
		-carbonate specks throughout			П	П					1			 	1		$\overline{}$
		numerous irregular carbonate stringers, often			\Box	П			1		 		!		 		-+
		pink and often carrying chalcopyrite				П			1		1		 	 	 		-+
		-disseminated pyrite up to 5%									 			 	1		-+
											 		 	 	 		\dashv
		95.4: 1-2cm siliceous zone with disseminated		sphal	u		3206	95.0	96.0	1.0	0.010	0.1/	0 01	1 2 20	الم ما		\rightarrow
		sphalerite and grey sulphide		gr	- "	\vdash	7200	- 7.7.0	30.0	<u> </u>	10.010	0.14	U.UI	1.0.20	10-03		\dashv
I	1 1	95.6-95.7: irregular pink carbonate veinlets with		сру					 		 		-		╀┷╌┼╴		-+
		disseminated chalcopyrite			\dashv	 -			 		 			├──	╂╼╌┼╴		
		96.3, 96.5, 96.7: pink carbonate veinlets with		сру	++	٠,	3207	96.0	97 0	1.0	40.003	0.12	20 01	0.02			
		minor disseminated chalcopyrite	_	",	\dashv		3208	97.0		1.0	0.006						\dashv
		97.9: fracture zone with carbonate veining		sphal	-1-1	+-	2200	37.0	70.0	1.0	10.000	0.12	0.01	0.30	0.04		-
		carrying coarse sphalerite		Sp.us.	+	+-					-				├── ┼		-
		98.2: 3cm shear with clay alteration @ 150	_		sH	٠,	3209	98.0	99 0	1.0	0.012	0 12	0.01	0.07	001		-+-
		followed by coarse carbonate gash			┧	+-		70.0	77.0	1.0	0.012	0.12	0.01	0.07	0.04		\dashv
		98.6: irregular fractures with weak silicification	$\overline{}$	sphal	뉗	_					1			 	 		-
		-disseminated sphalerite		op.acz	┪	+								 	┝━┿		-
		99.0: clay altered shear @ 60°			++	+	3210	99.0	100.0	1.0	0.014	0 25	ZO 01	A 70	001		+
		99.8: fracture zone with minor sphalerite-galena-		sphal	\dashv	+	-			- 1.0	10.014	0,25	-0.01	0.70	V.U.		-
		grey sulphide	_	ga	77	+			-		1						+
				gr	11	1										 - -	+
		100.6-101.1: thin irregular pink carbonate	_	sphal	++	1	3211	100.00	101 d	1.0	0.003	0 16	(0 01	~	1001		-
		veinlets with sphalerite-galena-chalcopyrite	_	gal	77	+-		100.00	101.4	1.0	0.003	0.10	20.01	0.19	0.04		-
				CDV	11	1	3212	101.0	102 1	1.0	0.006	0.25	0.02	1 05	0 31		-
		101.3: 5cm clay gouge zone @ 60°	\neg		5 11	1				1.0	0.000	0.33	U. UZ	1.93	<u> </u>	$-\!$	
		101.8-102.0: carbonate vein with sphalerite-galena		sphal	11	1					 						
$-\bot$		chalcopyrite		ga	11	1			+		 						+
				CDV	++	1					 						-4-

	PKOJ	ECT: GOLDEN LION HOLE: GL-84-11 N	SWILIN	I CALD WALLON	ur (WATER TIL	ת וגדו)				PACE.	NO: 1	U			
DVIEK		GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT			~	ASSA	YS					I RECO	ייוענ
YOU	To		X		A S	SAMPLE	FROM	10	LENCTH	Au	Ag	РЪ	Zn	Cu	RIN	Ť
		102.0: 15cm quartz/carbonate breccia zone with		sphal		3213	102.0	103.0	1.0	0.008	0.12	0.01	1.26	D.03	— ```	十
		coarse sphalerite, minor galena, chalcopyrite		ga	Ш					1		1		-		╁
				сру	П	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		sphal	M					1		1	1	-		╁
		thin fractures		ga		3215	104.0	105.0	1.0	0.018	0.30	0.73	3.15	0.08		+
		-coarse sphalerite, minor galena, chalcopyrite	T	сру				1		10.020	0.50	1 00.75	3.13	1		┿
										1		 	 	 		┿
		-followed by clay shear zone @ 45-60°			11					1	 	 		 		+
								1		 		 	 	 		+
		-continue in green andesite, with many thin		sphal				1		 			 	 		┿
		carbonate fractures carrying sphalerite, galena		ga	\top					 			 	 		+
		and chalcopyrite								1		 				┿
					77	3216	105.0	106.0	1.0	0.016	0 16	0.04	0 13	0.05		┿
		105.7: clay gouge fractures @ 60°			s	 		1		0.010	0.10	0.04	0.13	10.03		+
		106.3: quartz vein @ 450 with coarse sphalerite		sphal	-	3217	106.0	107.0	1.0	0.018	0.06	0.05	0.30	0 01		+-
		minor galena		ga	11	1 3221		107.0		0.010	0.00	0.05	0.20	-0.01		╀
		107.5-107.6: silicified zone with hematite		he	М	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.		sphal	M	1 72.10	107.0	100.4	1.0	10.000	0.12	0.02	0.03	10.01		+-
		galena, trace chalcopyrite		ga	17	3219	108.0	109.0	1.0	0.008	0.06	0.04	0 07	0.01	 -	╀
				CDV	++	1 7517	100.0	103.0	1.0	10.000	0.00	0.04	0.07	EV-01		┿
I		108.9-109.1: silicification/quartz yein zone		sphal	м	3220	109.0	110 d	1.0	0.008	0.04	0.10	0.05	0.03		╄
		@ 50° with minor sphalerite, trace galena,		ga	++	7220	103.0	110.4	1.0	10.000	V-04	U.10	0.03	V.V.		╀
\Box		chalcopyrite		CDV	++					1					-+-	╄
		-disseminated pyrite through host	3	DV	11											╄
		109.3: clay gouge/fractures @ 00			++					 						₽
		110.1: quartz/carbonate veins @ 45-60° with		sphal	++	3221	110.0	112 1	2.0	0.008	0.10	0.02	0 27	0 01		╄
\perp		minor sphalerite			11	7664	- A LU A VI			14. VVOI	VALU	V.V.	4.4/	A.AT		╁
		110.3: quartz/carbonate vein @ 500		sphal	11	1				 						╀╌
\rightarrow		-disseminated patches of sphalerite/galena		ga	11					 						╀
		111.4: irregular silicified zone with clay	1		T _M					 						₩
		fractures			11			+		 						
		-sphalerite/galena in quartz veins	1		11	3222	112.0	114 1	2.0	0.014						┞-

PROJECT: GOLDEN LION HOLE: GL-84-11 NEAFUNT EXPLORATION OF CANADA LIMITED

| DITERVAL | GEOLOGICAL DESCRIPTION | MIDERALIZATION | ALT | ASSAYS

LOS	To	112.9: fractures with clay alteration @ 60°	T X	DERALIZATION	Al	U.				ASSAYS							
		112.7: Iractures with clay alteration 0 600	 ^	 	AS	S[P]	SAMPLE	FROM	TO	100000							KEX
		113.6-114.0: irregular silicified zone and	┸_		M	П			 ~	LENCIH	Au	Ag	РЪ	Zn	Cu		122
		carbonate veining and clay fractures with patchy sphalerite and galena		sphal	M	4										├	RUN
		sphalerite and galena		ga	17.	7-1									! !		
T		-diagonda di galena	1-	Ka	Н.	11									L 7		
		-disseminated pyrite in host	13	ру	Ц	ŁŁ				 							
_					T	П											┼──
		114.3: End of hole			7	11				1							
					+-	++											
					-	₩											
T					\perp	Ш											
					_							/	. 7				
					П	\Box						T					
					71	+											
			\neg		++	-								\longrightarrow			
			-+		++	-					+						
			-		ш										T		$\neg \neg$
			_		П	T					1	T				o	—
			$\perp \! \! \! \! \! \perp$		П	_					T					$-\!\!\!-\!\!\!\!+$	
					++	+-									-		T
	I		_		╆╋	┿┈											
_ 1			٠,		Н.												\rightarrow
	1.0				Ш						(_			$\neg \top$			\rightarrow
						T										\rightarrow	
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			T		-	┿						-+					
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NEWMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

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

From	To	GEOLOGICAL DESCRIPTION		ERALIZATION						ASSAY	S					1 6	RECO	W
			7		A S	SP	SAMPLE	FROM	10	LENCTH	Au	Ag	1	T		RL		Ť
0	3./	Casing			П	П					1				1		3.7	t
3.7	60.4	P			Ш	П							1				4.9	
<u>''</u>	60.4	Brown-grey-purple, feldspar crystal-lapilli to			¥	\coprod											6.1	_
		lithic-fragmental tuff				Π								1			8.5	
						\coprod								1			9.5	
		-feldspar phenocrysts, 2-7mm, generally pinkish				Π								1			0.1	۲
		(hematite stain) or green (montmorillonite			Ш	Π											1.0	t
		alteration) with carbonate alteration				Π								1	 		2.5	1
		-lithic fragments up to 10cm across of .ame				П							-				3.1	
		feldspar tuff				П								1_			4.0	
		-small lithic fragments 1-3cm fine grained			$oxed{\Pi}$	П								 			5.9	_
		crystal tuff, some dark green with chlorite				П											7.1	r
		alteration, some pale brown with carbonate				П								1			9.8	_
		alteration			Т	П									 		1.3	
		-matrix is generally fine grained gritty with	\Box			П										23		_
		feldspar and hornblende crystals throughout				П											5.3	-
		-disseminated hematite gives variable purple				П											5.2	-
		colour				П											7:/ i	_
		-textures vary throughout from grain sizes in		1, 5, 11,											-		1:4	-
		crystal and fragmental tuffs		2. 2. 1. 1. 1. 1.		П				· · · · · · · · · · · · · · · · · · ·							2.3	-
-		-marked lack of veining throughout				\prod											2.9	-
				4. 人名	\mathbf{I}											35		-
 -		N.B. core is generally very broken often in small				П										36		٠
		ground pebbles, hence recovery is extremely				П										37		÷
\dashv		variable and generally poor													 -	39		÷
-+		2 7 10 6 - 1	\Box													40		÷
		3.7-18.5: dominantly lapilli crystal tuff with			Π											42		-
		minor lithic fragments	T		JT											43		_

INTEXV	AL	GEDLUCICAL DESCRIPTION	MU	PERALIZATION	ALT				ASSA	YS						KECO	ימינט
rom	To		X		ASP	SAMPLE	FROM	OT	LENCIH	Au	Ag	T	T	1		RLN	
		18.5-24.0: fine fragmental tuff			11					+	138	 	 	+	rf		┝╌
		21.4: 10cm clay gouge								 		1	+				-
					П					1	-	1	 	1			-
		24.0-32.7: mixture of lapilli and fragmental tuff	1		П	3223	29.0	31.0	2.0	40.003	0.2			1		$\overline{}$	┢
		varying from grey-green chloritic to purple			П					1		1	†	1			
		hematitic			П					1		T	1	1			۲-
		-some fragments of pale brown lapilli tuff	П		\Box					+	 	1		 			-
		28.0-31.4: hole began to deviate at approximately			TT					1			1			\rightarrow	_
		28 metres and continued to 31.4			T					 			1	1		$\overline{}$	_
		-casing was run to 28 metres			П											\longrightarrow	_
		-resume drilling straight hole from 28 metres and			П					1			1	1			_
		duplicate core to 31.4, hence duplicate section			\top					1			 	1		\rightarrow	_
		recovered			11					1			 	 			_
		32.7-33.7: pale brown lapilli tuff			\top	3224	33.0	35.0	2.0	0.003	0.2		+	+			_
1		-same pinkish feldspar crystals set in much lighte	r		11		- 23.0	33.0		7.003	0.2		 	 	\longrightarrow		_
		fine matrix			11				 -	1			 	1	-+		_
		-carbonate alteration in matrix			11					t				 		 i	
$-\bot$		-contact angles, top and bottom @ 80°			77								 	 			-
$-\bot$	100				11					1			 	1			-
		33.7: return to lapilli-fragmental tuff			$\top \top$					1		 	 	 		\rightarrow	-
	1 50	34.0: carbonate filled fractures @ 30°			11					1			 				
$-\bot$		37.0: 5mm carbonate veinlet @ 40°			TT					†			 				-
		39.0: 5cm clay gouge			s	3225	39.0	41.0	2.0 -	0.003	0.2		 	1			
		42.0: 5cm clay gouge			s			-12.5		7.00			 			+	-
		43.0: contact between fragmental and finer tuffs			Π											+	
		fine sediments 0 500			Π								†			+	_
		43.7: similar contact @ 10°			Π								†	 		-+	_
-		56.0-58.0: finer crystal tuffs with bedding @			Π	3226	49.0	51.0	2.0	0.003	0.1		T	 		-+	
		40-500			Π					1							_
		58.4-59.1: clay gouge zones		1	s		1	$\neg \neg$				·		 		-+	_

hole abandoned due to caving and squeezing, unabl to drill

NEAPONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

LEVEL	Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIN	68.0 m	HOLE NO.	GL-84-13
LOCATION	610S 85W	Collar	0400	-450	Compass	CORE SIZE	BO	SIEET NO.	1 of 4
ELEVATION	1810 m	65.8		-450	Acid	TOTAL RECOVERY		LOCCED BY	G. McLaren
LATITUDE	632.2S					STARTED Augu	st 22/84	CLAIM	Golden Lion
DEPARTURE	85.2W				I.	COMPLETED Augu	st 25/84	PURPOSE	

INTEK	AL .	GEOLOGICAL DESCRIPTION	МП	NERALIZATION	AL	T I				ASSAY	'S					l ptyr	OVER
TO B	To		Z			_	SAMPLE	FROM	10	LENGTH	Au	Ag	1	T	1	RIN	TEX
0	5.5	Casing			7	Ħ			 	 	1.00	-AK	 	 	1		╪╧
					\top	Ħ			+	 	 	 	 	+	 	5.5	
.5	39.3	Brown feldspar crystal lapilli tuff and lithic			+	H		 	 -	 	+	 	 	+	1	7.0	_
		fragmental tuff			+	Ħ		 	 	 	 	 	 	+	┼	7.6	
						\sqcap			 	 	 	 	 	+	+	9.8	
		-yellow-brown feldspar phenocrysts up to 5mm,			+	H		 	 		 	 	 	+	╂╼┷╼╂	12.8	_
		many with carbonate alteration				H			 		 	 	 	+	+	14.0	
		-black hornblende laths			+	\vdash			 	 	 		 		+	17.1	_
		-set in a fine-gritty matrix with carbonate				H			+		 	 	 	+	┼──┼	18.9	
1		alteration			+	H			+	 	 			 	 	20.1	_
		-hematite disseminated irregularly throughout.			+1	H			 	 	 	 	 	+	 	20.9	
		2-5%			H	H			 		 	 	 	+	 	23.2	ų.,,
		-locally very red hematitic stain in matrix	_		++	H			+	 	 		 	 	├	23.8	_
		-some fine carbonate altered mafic crystals in	-		+	+			 				 	{		25.3	_
		matrix			++	+			 			 	 			26.2	-
			-		+1	\vdash			 		 -			 		26.8	-
		-lithic fragments are dominantly from same rock			Н	+			 		ļ	ļ				28.3	-
		type but show varying staining or alteration			++	+			 							29.3	-
			\neg		Ħ	+			 							32.3	-
		-textures grade between crystal tuff and lithic			11	+								┼	\vdash	33.8	-
		fragmental tuffs	_		11	+			 					 		36.0	-
		-distinct lackof veining			H	+			 	 j						38.4	
		N.B. broken core throughout, highly variable			11	+			 					} -		39.6	_
		core recovery			11	+			 		-			-		39.9	-
		16.3 irregular quartz/carbonate filling in tuff			11	十	3227	12.0	14.0	2.0 4	0 003	0 3		 		41.5	
		10.). 2cm clay godge			11	+	3228		19.0	2.0	0.003	0.3		 		42.7	_
		22.7: quartz/carbonate filling in tuff			Ħ	+					0.003	- 4.2			 -	44.5	_
		34.5: 10cm clay gouge	-+		++	+			 							45.7	

PROJECT: GOLDEN LION HOLE: GL-84-13 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: 2 INTERVAL CEDLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS KECOVERY From To X SAMPLE FROM LENCTH Œ Au Ag RLN Z 35.0: lithic fragmental is strongly dominant 3229 | 35.0 37.0 2.0 | 0.003 | 0.2 46.9 40 texture, many fragments with strong chloritic 49.1 15 alteration 50.9 30 -set in purple hematitic matrix 51.8 25 37.0: matrix of lithic tuff becomes quite 54.2 15 calcareous 57.3 95 59.7100 39.3 43.0 Interbedded fragmental tuff and fine epiclastic sediments 65.8100 68.0 86 -thin laminae. 1-3cm thick, of fine to gritty . - 1 sediments well bedded, within lithic fragmental tuff 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 TT46.2: clay gouge in broken core 46.7: clay gouge in broken core 61.0 Brown-purple feldspar lapilli and lithic frag-He mental tuffs -hematitic matrix -thin gritty sedimentary laminae 50.7 clay gouge

	PROJE	ECT: GOLDEN LION IDLE: GL-84-13 No.	INVIEWD WILLIAM	ı UT	CAN	UNIX FILE	II IED				PAGE.	NO:	3				
INTEX		GEOLOGICAL DESCRIPTION	HITERALIZATION						ASSA	YS						RECO	OVER'
Prom	To		X	AS	P :	SAMPLE	FROM	10	LENCIH	Au	Ao	1	1	T	T	RLIN	
		51.8: fine ash with a few feldspar crystals		Π	\prod									1			+
		54.0: clay gouge		\prod	П					1			1	1		_	†
				$\Pi \Pi$	П							1	1			1	†
		54.3-57.3: pass through 3 sequences welded ash		M	П	3231	55.0	57.0	2.0	40,003	0.1		1			 	十
		flows followed by lapilli tuffs		Π	П					12.22.2	- 	 		 	1	 	+-
		-ash flows have very fine matrix and stretched shap	rds	Π	П					1		—	1	1	 	 	十
		totally altered to fine green clay		Π	П							1	 	_		 	+
		-stretched fragmen 's aligned @ 40° along core			П							1	 	 	 	 	+-
		-grades into a coarser tuffaceous material		Π	П					 		1	†	 		+	+-
		(inverse flow grading?)		Ш		T i		1					 		 	+	╁
				\sqcap	\vdash					 		 	+		 	 	╁╌
		57.3: medium to fine tuffs, gritty with lapilli		Π								 	+	 	 	 	╁╴
,		horizons and some lithic fragments		Π			<u> </u>			+	-	-	 	 	 	 	╁╌
		-coarser horizons tend to be very pink from		Ш		$\overline{}$						 	 -	 	 	 	┼-
	1 2	hematite stain in feldspars		Π	\vdash			1		 		 	} -	 	 	┼	╁╌
		-bedding @ 30-40°	7	Ш	\vdash	3232	59.0	61.0	2 0	0.003	0.1	 	 	 	 	├	╁
				\Box	\vdash	7272	22.0	77.4	<u> </u>	10.003	<u> </u>	 	 	 	 	├──	╁╌
61.0	65.3	Well bedded sedimentary conglomerates and grits		H	\neg					+			 	 		 	┼-
		-clasts tend to be bright pink or dark green		HH						 		 	 	 -	 	 	├
		chloritic		Ш	\top					┼┼			 	 	 		-
		-upright grading sequences common			_					1			 			\vdash	├
				111	\top					 		 	-		 	\vdash	├
65.3	68.0	Interbedded epiclastic sediments and lapilli tuffs		Ш	7								 				-
				П						1			 				
		-sharp contact @ 400 with grey-green epiclastic/		ПП	7					1			 	-			-
		tuffaceous material		П									 				-
		-bedding @ 40°		ПТ	7					1			 				-
				Ш						\vdash							┢╾
		65.8: fine green tuff with a few lapilli feldspans		П												-	
		and hornblende laths, irregularly distributed		Π	7			-		† †				·			-
		in a very fine matrix		\sqcap						 							—
		-some small lithic fragments								† 							

INTEXV	AL.	CEDILICICAL DESCRIPTION	7														
ros	To	GALLATOR COOKIFICA	1 2	ERALIZATION	ALT.				ASSAY	S						KEO	OVA
-		66 2. 2	X		11	SAMPLE	FROM	10	LENCIH	Au	Ag	T	7	T	1	RUN	ï
		66.3: 3cm clay gouge	+		44						1	_		1	 	+	+
		-continue through fine crystal tuff and ash to	+		44									1-	 	+	+
		l 1 - 16	1-		11						7	1	1	1-	+	+	+
		-last 15cm, change in colour to pale grey-brown but still in ash/tuff with vague layering 0 400	ا ــــــــــــــــــــــــــــــــــــ		11						1-	1	_	+	+	+	╁
		Dut still in ash/tuff with vague layering @ 400	1		\coprod							1-	 	+	+	+	+
					Π						_	+	+	+	+	+	+
		68.0: End of hole			Π						1	 	+	+	+	+	+
\dashv					П						 	 	+	+	+	+	+
					T						 	+	+	+	+	 	4
					77							+	-	+	+	ـــ	1
					11	1						+		+	 	↓	T
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	0		1-1		++	 						<u> </u>					Т
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			1-1		₩	 						L					Г
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					++												Г
			-		44												Г
					++-	 											
			-		+												Г
$\Box \Gamma$												L					Г
			-+		11												┢
$\Box \Gamma$			-		11												۲
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NEWHONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

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

INTERV	AL	GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AI.	I				ASSA	rs.					I RECO	war.
From	To		X		T	П	SAMPLE	FROM	10	LENGTH	Au	Ag				RIN	T
0	21.3	Casing			\top	П			1		- Au	1 AP 1					+
					+	Ħ		·	+		 	 			-+	21.3	٤٠
		N.B. very broken core, variable recovery througho	ut		\top	Ħ			1		 	 				22.9	
					+	Ħ			 		 	 				29.0	
1.3	31.7	Dark grey feldspar lapilli tuff	2	he	+	H		 	-		 						_
			-		+	††		 	 			 			-+	31.1	_
		-pink hematite stained and carbonate altered			+	††		 			 	-				32.0	
		feldspar phenocrysts, up to 8mm across, set in a			+	H		 	+		 	 				33.8	
		fine tuffaceous matrix with propylitic alteration	_		╁	Н		 	+-+		 	 -				35.1	-
		some fine hornblende laths	_		╅	╁┪			┼							37.8	-
		-specks of clay altered material	-		+	╁╂			1		 	 			_	38.7	
	1,11	-disseminated hematite 1-3%			┿	Н			┼┼			 				41.2	L
		333333333333333333333333333333333333333			+	╁			+		 					42.7	L
		22.5: clay gouge zones	_		╫	Н			+							44.5	-
		28.0: clay gouge zones			+	H			+							46.0	_
		Servi Clay Rocke Zones			┿	₩										47.6	-
1.7	40.5	Green-brown lithic fragmental to feldspar lapilli			+	Н		27.0	122								_
		tuff			╁	Н	3233	34.0	36.0	2.0	0.003	0.4				52.1	
					+	₩			 							53.6	
		-dominantly a fragmental facies of the above tuff			+	Н			1							55.5	•
		but here it has a strong chlorite alteration			4	Н										58.5	
		giving distinct green colours	-		+	Н										60.4	_
		-still has pink feldspars			+	Н										62.8	_
		-lithic clasts up to 8cm set in a fine brownish	-		+	Н			-							63.4	
		matrix with pink feldspar lapillis and clay			┯	Н										64.0	
		specks			╫	Н										64.6	_
			-		+	Н					 						_
		-continue in variable lapilli and fragmental			11	Н											

INTER	/AL	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT	7			ASSAY	s						RECO	יציוא
roa	To		X		T	SAMPLE	FROM	OT	LENCIH	Au	Ag	T		T	$\overline{}$	RLN	
		textures for entire section									1	T	1	1			1
		-distinct lack of veining or alteration associated											1	1			†
		with mineralization									1			1			\vdash
														Ι			1
0.5		Dark grey feldspar lapilli to lithic fragmental	2	he		3234	41.0	43.0	2.0	0.003	0.3						\vdash
	<u> </u>	tuff															
			<u></u>		44												
		-initially dominated by a carbonate-altered pink	_		44												
		feldspar lapilli tuff with few lithic fragments	<u> </u>		Ш					L			1				Г
		set in a very fine dark grey matrix			Ш								I				Г
		-locally strong carbonate alteration of feldspars			Π												Г
		-weak to moderate chlorite alteration			Ш												Г
		-disseminated hematite locally gives purple colour			П												_
		to matrix			П								1				_
		-faint bedding @ 30-400			П								—	†			
1		-continue through same fragmental/lapilli textures			Π								1				\vdash
		varving grey-green-pale brown			\top							$\overline{}$					_
		-fragments tend to be strongly chloritized, wherea	s		П								 				_
		matrix is variable			TT	3235	46.0	48.0	2.0	0 003	0.3						$\overline{}$
	100				$\top \top$					2.00.4			1				_
		48.0: distinct green layer 10cm thick with			\top	3236	50.0	52.d	2.0	0.003	0.3		 				_
		layering @ 30-400			\top	3237	55.0		2.0								_
		61.1: clay gouge			Π												_
		64.3: clay gouge			П	3238	59.0	61.0	2.0	0 003	0.4		1				_
					Π					1							_
		no veins or sulphides throughtout the hole			\prod	3239	62.0	64.0	2.0	0.003	0.3	-					_
		-lost hole at 6/ 6 due to broken blanch and	\dashv		++			1									_
		lost hole at 64.6 due to broken bit and shell in tight hole			++	 								 			_
		-2510 UV16	╌┤		++	├ -										1	
					++	 									1	1	

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NEAMONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

LEVEL	Surface	DEPTH	PEARING	DIP	TYPE OF SURVEY	LENGIN 56	.7 m	HOLE NO.	GL-84-15
LOCATION	670S 20W	Collar	220°	-45°	Compass	CORE SIZE BO		SHEET NO.	1 of 2
ELEVATION	1824 m	56.7		-470	ACID	TOTAL RECOVERY 50	7	LOCCED BY	G. McLaren
LATITUDE	671.6S					STARTED August	27/84	CLAIM	Golden Lion
DEPARTURE	17.7W						29/84	PURPOSE	COITEE LION
									& myane

INTER		GEOLOGICAL DESCRIPTION	МШ	NERALIZATION	AL	1				ASSAY	'S			REC	OVER
From	To		X		T	П	SAMPLE	FROM	TO	LENGTH	Au	Ag		RUN	
_0	9.1	Casing			T	П				1	1		 	9.1	
						П			1	1	1			12.2	
		N.B. very broken core throughout giving poor				П			T	1				12.5	_
		recovery			\Box	\prod								15.2	
		-thicknesses or locations maynot be accurate				П								17.0	
					\mathbf{I}	П								18.2	2
1	17.0	Purple feldspar lapilli tuff			\perp	П					1			19.5	
		-gravel recovery: no core			1	П								20.7	疒
					\perp	Ц								21.6	
		-pink feldspar crystals set in finer tuffaceous			⊥	П								22.2	2
		matrix			┵	Ц								23.2	2
		-finish in pale green weakly silicified zone with			┵	Ц								23.8	8
-		clay gouge			1	Ц								24.7	疒
7.0	- , c				4	Ц							100	24.9	٦
~~ +	-40.3	Green feldspar lapilli to lithic fragmental tuff			1	Ц								26.1	ıΤ
		with propylitic alteration			4	Ц								28.0	٥Ī
					4	Ц				100				29.1	i
		-yellow-green clay alteration and carbonate			4	Н								31.7	汇
		alteration of feldspar crystals			4	Н								34.7	ıΣ
\rightarrow		-carbonate/chlorite alteration of fine tuffaceous matrix			4	H								37.2	
-					+	Н							 	28.7	1
_		-fragments of same lapilli tuff usually show stronger chlorite alteration			+	H				<u> </u>			 	40.5	_
		SLIDDEL CHIOTICS STEEPSELON			+-	H							 	41.5	_
		22.2-24.0: sand/clay gouge			+	H							 	42.0	_
		28.3: 1cm quartz carbonate yein @ 40°			+-	H	22/0	20.0	120 0		0.00		 	42.4	_
		Andres Parnonare Actin to An	-		++	H	3240	28.0	30.0	2.0	0.003	0.1	 	44.2	_
		29.0-34.0: lithic fragmental textures dominate	-+		++	╀	3241	22.0	24 0		0.000		 	46.0	
		Trente trakmentat ceventas dominace	لنس		1	LL	3241	32.0	134.0	2.0	0.003	0.3	 i	46.6	S

INTEX	AL.	CEDILICICAL DESCRIPTION	MO	ERALIZATION	ALI	1			ASSA'	YS					·	RECO	XV:
rou	To		X		П	SAMPLE	FROM	10	LENCIH	Au	Ag	T	T	T-	T	RLN	Τ
		35.0: thin laminae of fine ashfall tuff, layered	L.		\Box					1		1	1	1	†	48.2	_
		e 450			Ш					7				1	1	48.5	
					\prod									T		49.1	_
40.5	46.2	Green lapilli tuff with fine fragments intercal-			Ш	3242	44.0	46.0	2.0	40.003	0.4					49.7	ī
	·	ated with gritty, epiclastic sediments			$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$											51.2	ıŢ
	·	-sediment sections tend to be dark grey, but			Ш									\bot		52.1	Ι
		clasts still show chlorite alteration	_		4		1									53.0	Ţ
		-carbonate fills interstices between clasts	_		44	<u> </u>	1	1	·				1	1		54.9	I
	·	46.2: 5mm carbonate fracture filling @ 450			44							<u> </u>		┸—		55.8	I
			Ш		44		<u> </u>		·			<u> </u>				56.7	I
124	46.6	Pink feldspar lapilli tuff layer with fine green	<u> </u>		44	<u> </u>							1				I
		chloritic matrix	_		44								1	┸—			I
					44				·	1							I
100	56.7	Intercalated tuffs and sediments as before			44	3243	51.0	53.0	2.0	40.003	0.6						I
		-dominated by tuffaceous textures in this section	\square		44							L					ľ
			-		44	 	<u> </u>			1					<u> </u>		
		53.5: finely hedded sediments 0 40°	Ш		44							<u> </u>					Ĺ
		56.3: bedded sediments @ 450	\Box		11			L				<u> </u>		<u> </u>			Ĺ
\rightarrow					44		ļ	 -	·			<u> </u>	 		<u> </u>	1	Ĺ
+		56.7: Rnd of hole	-		++					 		 			↓		L
					++					 _ 		L	+	├		1	L
-		N.B. distinct lack of veining or mineralization-			++	+						 -	├ ──	├	 	 	L
1		related alteration throughtout hole			┿╃	+				}}		├		├	 	\vdash	L
_					++	+	 	 		 					 	-	L
				+	╅╂	+				├ ──			┼	├──	 	\vdash	L
一十			\dashv		++	+		 					 	 	 		L
					+	+	 	 		 		-	 	├──	 		H
			\neg		╁	 	 			╂╾╼┼		 	 	 	 	 	_
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NEWHOLT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

LEVEL Surfa	1 000 211	DEARING D	IP	TYPE OF SURVEY	LEIGNI	117.7 m	HOLE NO.	GL-84-16
LOCATION 25S 1	100		450	Compass	CORE SIZE	BQ	SIEET NO.	1 of 8
ELEVATION 1927			48°	ACID	TOTAL RECOVERY	93%	LOCCED BY	G. McLaren
DEPARTURE 125.0S		<u> </u>	50°	ACID	STARTED Augus	st 29/84	CLAIM	Golden Lion
JUETAKIURE 125.U.	<u></u>	<u> </u>			COMPLETED Sept	1/84	PURPOSE	

INTER		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AL	IT				ASS	AYS				RECO	1600
From	To		7		AS	SP	SAMPLE	FROM	TO	LENGTH		Ag	T - T -		RIN	7
0	6.1	Casing			П	11			1				 		6.1	+-
					П	П						 	 		7.9	
1.0	54.9	Grey, feldspar-hornblende crystal porphyry with	3	He	М	П						 	 		11.0	_
		argillic or propylitic alteration			П	П							 		14.0	
					П	П							 		17.0	
		-feldspar phenocrysts are limonitic orange with			П	TT							 - -	- 	20.1	#
		carbonate alteration near surface, but are green			П	\sqcap							 	+		
		from montmorillonite alteration deeper			Т	11			1			 	 	 +	23.2	
		-smaller black hornblende crystals			\top	11					+		 -	-+	26.2	
		-set in fine grey matrix with some carbonate			\top	11			1				 		29.3	
		alteration			+	††					+				32.3	
		-disseminated hematite 1-5%	_		+	††			 			<u> </u>	 		35.4	
		-irregular fracture-breccia zones with carbonate	_		+	++			 						38.4	
		matrix, usually less than 5cm long are common			+	H			1	 	+				41.5	Ц
		throughout this section			+	††			 		+				44.5	
		-they carry no sulphides or show any wallrock			+	††					+				47.6	
		alteration			+	††			 				 		50.3	
		-carbonates often have strong limonite stain			+-	╁			 		+		 _		52.8	
		-limonitic staining from percolating surface			+	††			 		-				55.8	
		water common to 32.0 metres			+	Ħ	3244	10.0	12.0	2.0	0 01	0 1		++	56.7	
					+	Ħ	3244	10.0	12.0	2.0	0.01	0.3		+	58.2	
		14.0: quartz/carbonate fracture-breccia filling	tr	gr	1	H	3245	13.0	15.0	2.0	0.003	1 0			59.4	
		with traces of very fine grey sulphides			7	⇈		13.0	13.0		70.003				60.4	
		18.0: as at 14.0			+	H	3246	18.0	20.0	2.0	0.003	0 22		++	61.3	
		18.5: quartz/carbonate fracture filling	_		+	H		10.0	20.0	2.0	10.003	0.22				
		19.8: 10cm zone of strong orange limonite stain			+	\vdash			 		+				64.9	
		and pink bleaching of host rock, but no visible			+	H	+				+4				66.5	
1	T	mineralization			++	╁					+		+		68.9 71.9	

DVIEK	/AL	GOLDEN LION HOLE: GL-84-16 NE										PACE	NO:	2			
roa	To	GEOLUCICAL DESCRIPTION	М	DERALIZATION						ASS	IVC .						
	-	22.0	X		A	SP	SAMPLE	FROM	TD	LENCTH		1 4-					XXV
_		22.0: two-5mm carbonate veinlets @ 300			T		3247	22.0	24.0		40.00	Ag 3 0.10		+		RUN	Т
		22.1: clay altered fracture zone @ 30°			s	т		1200	+ = 7.0	2.0	\$1.00.	0.10	2			75.	d
$\neg +$		25.5: 1cm clay gouge @ 40°			11	77				 		+	┼	+		78.	
		25.9: 10cm bleached zone with 508% pyrite	7	ру	11	\top		 	+	 			 	+		81.	1
		26.1-26.4: clay altered fracture with weakly	tr	ру	s	11	3248	26.0	27.0	10	- A - G - C	+	 			82.	3
-+		Dieached selvage containing traces pyrite		1	Ħ	Н	3240	20.0	27.0	1.0	40.003	0.72	2			84.	
\dashv		-thin quartz veinlet @ 300	_	1	††	++		 	+							87.	
-		27.7: 1cm grey quartz vein @ 350			++	++	3249	27.0	20.0		 	1				90.	_
-		28.0: strong green montmorillonite alteration	_		s	++	3249	27.0	28.0	1.0	40.003	0.94				93.	-
-+		OI leidspars and carbonate alteration of matrix			#	╁			 -							96.	-
-+		Shows through diminished limentate states	_		╁┼	╁			 							99.4	_
-		31.3: /cm quartz @ 400 with galance miner	4	00	H.	₩	3250									102.4	_
-+		chalcopyrite fine acanthite, and malachite	1	DV	1-13	₽₽	3250	31.0	32.0	1.0	0.12	19.62				105.5	-
-			÷	CDV	-	₩										108.5	-
-			÷	ac		Н										111.6	-
-		-followed by 10cm siliceous zone with traces of	-41		-	H											-
			-	ma	s	Н									-	114.6	_
-		-pyrite and weakly bleached zone continues to	\dashv		Ш	H										117.7	L
-+-		32.0		ру		H				1.2					-	+	-
-+-			-		++	H		-								1-1	-
		32.0: clay altered fracture @ 30°	-		-1-1	Н-										+	_
+			-+		╌╂╌╂	+	3251	32.0	33.0	1.0	0.003	0.22				+	_
-+-		35.7: carbonate veinlet @ 35°	-+		++	+										+	
		39.0: 5mm quartz/carbonate veinlet @ 200	-+		++	+	3252	36.0	38.0	1.0	0.003	0.12				+	_
		39.1: green clay gouge zone	+		++	+									-	++	-
			-+		4	+	3253	40.0	42.0	2.0	0.006	0.10			+	 	_
-		42.0-42.4: argillic shear zone	+		++	+			I			/			-	+	_
		-first 20cm has pale green clay and broken	+	DV S	4+	+	3254	42.0	43.0	1.0	0.054	0.10				╂──┼	_
+-		duartz/carbonate veins with trace disseminated	-+-		++	+									+	+	_
-		pylite	+		++	+		I								 	
		-followed by sheared and clay altered grey	-		44	\perp		I	1 1							├──┼	
		feldspar-hornblende porphyry	+		₩	1		T	28 m		-		-				

		ECT: GOLDEN LION HOLE: GL-84-16 NO									PAGE,	NO: 3	,			
From	To	GEOLOGICAL DESCRIPTION	М	PERALIZATION					ASSA	rs					 RECO	(A)D
riue	10		X		AS	P SAMPLE	FROM	TO	LENCTH	Au	Ag	T		1	 RIN	VEX
	 	-shearing generally 0-20°			Ш		1	_		1	1	 		 	 -	┢
	├ ──				Ш	1	1	1		 	+	 		 - 	 	⊢
		42.4: continue in argillic altered grey feldspar			Ш			_		 	1	+		1	 	┝
	 	hornblende porphyry			П	-		_		+	┼──		 	 	 	├-
		42.9-44.5: intense clay gouge and alteration in			Isl	3255	43.0	44.0	1.0	0.010	0.09			 	 	L
		shear zone					1.3.0	1 17.0	1.0	p.010	0.09	 -		 	 	
		-rock varies from clay gouge to grey/purple.				1	 	1		 	 	+			 	⊢-
		intense altered feldspar-hornblende porphyry			\sqcap	1		1		+	├	 -			 	_
		44.2: 10cm zone of bleached and layered purple/			\sqcap	1	 	+		 	 			├┼	 	_
		white clays with some quartz/carbonate fragments			H	+		+		 					 	
						 		1		 					 	
		44.5: return to grey porphyry with disseminated		he	HH	3256	44.0	45.0	1.0	h	2 22	 		<u> </u>	 	_
		hematite giving purple colour locally				7270	44.0	43.0	1.0	0.012	0.22				 	_
		45.5: sheared and argillic alteration in porphyr	,		++	 									 	
, i		shearing @ 20-30°			++	 		 		ļ					 	_
		45.8: 20cm zone of bleached clays in shear zone	++	DV	+	3257	45.0	17.0							 	
		with 5cm quartz/carbonate vein @ 700	-		4	3237	43.0	47.0	2.0	0.012	0.03				 	
		-trace pyrite	_		++	 									 \Box	_
		46.7: 2cm sandy gouge zone			s	 									 \Box	
		47.5: irregularly fractured limonitic zone with	\neg		s			 								
		clay gouge in fractures	-		+	1										
		48.5: clay altered fractures @ 600	-1		s	 						\longrightarrow			 \perp	- 7
		50.8-51.1: considerable carbonate in matrix gives	_		4	3258	50.0	F2 0							 -1	_
	200	White background to rock			++	3230	30.0	52.0	2.0	0.008	0.23				 -1	
		51.3: irregular bleached zone @ 60-70°, no			++	 										_
1		sulphides	- 1		++											
		54.3-54.9: very broken core, clay fractures and	-		sH	 								1_	 \perp I	
		gouge, poor recovery	77 d		4+											_
		-includes gouge with quartz veining @ 54.8	_		++-										 \exists	_
.9	56.5	Fine grained grey-green andesite dyke	\Box		\prod									-+	 \dashv	_
1		-pale grey-green rock with small feldspar and	4			3259	54.5	56.5	2.0	0.006	0.18				 -	-

INTEX	VAL	CEOLOGICAL DESCRIPTION	MINE	RALIZATION	ALT	(ASSAY	'S						RECON	A.P.
Prom	To		1 7 1			SAMPLE	FROM	100	LENCIH	Au	Αg	T	T	T 7		NIS	<u> </u>
		hornblende crystals set in very fine crystalline	1-1		7			 ~~		110		 	+	 		~` -	1
		matrix						1		 	1	 	 	1		$\overline{}$	H
		-upper and lower contacts @ 0° show distinct	1		77	 				 		 	1	 			H
		30-40cm wide chill margins with no phenocrysts	1		11	†				 		 	1	1			\vdash
		-central portion has feldspar and hornblende		· · · · · · · · · · · · · · · · · · ·	11	 				 	·····		┼──	 			_
		phenocrysts as well as numerous round carbonate	1		11	†******				1	 		1	1		$\neg \dashv$	_
		structures resembling amygdales	T		11	<u> </u>	<u> </u>			 	-	 	1	 - 			_
		-likely a subvolcanic dyke			\top	 						 	 			$\overline{}$	_
					11	t				———			†	++		-	_
5.5	89.5	Return to purply-grey feldspar hornblende			s	 		 		-			 	+			-
		porphyry, but here it is intensely fractured			11	 	<u> </u>						 	1		-	-
		and clay altered			11	 	 					 	 	 		\rightarrow	-
		-some fragments show thin quartz carbonate veins			11		h		 	 		 -	1	 			-
					11			 		1		 	 	 			-
		58.5: quartz-carbonate veinlet with bleached			+	 							 	 	+	-+	-
		selvages @ 65° but no sulphides			11	1	<u> </u>					-	 	 		-+	-
		60.5: first evidence of fragmental textures			11								 	 		-+	_
		-fine grained grey fragments of a similar			1		-						_	\vdash		-+	-
		feldspar-hornblende tuff	\sqcap										 			-+	-
		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 alter-			s											-+	-
		ation														\neg	_
		64.5: 5cm zone of fine purple tuff, weakly			П											\neg	-
		laminated followed by thin irregular laminae of			\mathbf{I}				: 1								-
		fine tuff, mixed in with the porphyry														\neg	_
																$\neg \uparrow$	-
		-continue in same purple porphyry with grey														\neg	_
		fragments and some fine tuff laminae indicating														_	-
		the entire porphyry unit may be a massive tuff			$\perp \perp$	1.5		T								\neg	_
					\prod												-
		66.5: clay altered fracture zone in broken			SL											-+	_
		_core_for 30cm			1:1:1											_	-

		ECT: GOLDEN LION 10LE: GL-84-16 NO			-						PACE:		5				
DYTEX		GEOLUCICAL DESCRIPTION	MO	ERALIZATION					ASSAY	s						KECO	NEI
rote	To		X		AS	P SAMPLE	FROM	10	LENCIH	Au	Ag			T	T	RUN	Т
		68.8: clay gouge			S	3261	69.0	71.0	2.0	0.010	0.09			T			T
		71.3: 10cm clay altered and fractured rock			S								1	7			t
		73.6: clay gouge			S	3262	74.0	76.0	2.0	0.012	0.17		1	1	1		t
		78.0: 5cm fine tuff layer												\top			t
I		78.7: begin increasing pervasive argillic alter-	Γ		М							1	1	1			t
		ation			\top							1	1	1		 	H
		78.9: rock becomes very fractured with intense	П		s										\vdash		t
		argillic alteration and clay gouge at various	П		$\neg \neg$					1		· · · · ·	 	1	 	 	t
		angles but with much along the core axis												 		 -	t
\Box		80.3-81.3: coarse fragmental textures with coarse			\Box					† †			 	 	 	 	H
		crystalline white calcite matrix			Н			1		1			-	+	├ -	 	H
		-fragments of same tuff	\vdash		11			 		1				 	 	 	Ͱ
		81.3: fine tuff layer with red hematite colour	\vdash		Н	 				 			_	 	 	 	⊦
		e 70°	1		\dashv			1					+	+	├	 	┝
\Box		-grades downwards back into lapilli textured			\dashv					 			 	+	 	 	⊦
		feldspar-hornblende tuff			\top			 		 			+	 	 		۲
		81.7: fine red ashfall tuff laminae within the			++	+		 		 			┼	 	 -		┢
	7	lapilli tuff, @ 75-80°, showing wavy contacts	1		╅	+		 		 			 	 		 	┝
		resembling sedimentary scour textures			++	1							 	+	 		├-
	- 1	82.3: similar fine tuff layer in broken core			++	 			 	 			 	+			-
		-laminae appears to be @ 700			11	+							 	 	 		۲
		-followed by 5mm of clay gouge and fractured core	1		++	 				-			 	 	+		-
		82.6: broken core of 10cm carbonate/quartz vein			11								 	 	 		-
		with clay gouge at top, possibly showing a	\vdash		\top	+							 	 -		+	-
		contact @ 550			11	 				-			}	┝─┤		—	_
		82.7: return to fragmental tuff with white		he	11	 							 	 	 		
	1	carbonate matrix filling	\vdash	-116	11	+				-			├ ~~~	├──┤			_
		-fragments are either purple or grey varieties	1		++	T							 	┝╼┩			_
		of host tuff	\vdash		++					 +			 	 			
T	- 1	-matrix is tuffaceous crystals filled in by later			++	 				 			 	 			_
		carbonate			+								 				_
\top		-disseminated hematite in matrix and fragments	\vdash		┿	+								├			_

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INTE	WAL	GEOLOGICAL DESCRIPTION	1 2	DERALIZATION	A1.7										 	
From	To	CARACTER CONTESTION	7		ALI				ASSA	YS					KECOO	VERY
	1	83.5: 2-3cm of coarse tuffaceous material follows	-	 	API	P SAMPLE	FROM	10	LENCTH	Au	Ag	1			RUN	
		by well defined contact @ 45° in to finer reddish	<u>-</u>	-	Н		+	 			 	↓				
		tuff with only a few feldspar crystals	 -	 	╌	+					 	↓				Г
	T	-grades down & back into feldspar-hornblende tuff	-	 	HH	┼	 				<u> </u>	<u> </u>				Γ
		by 83.8	-	}	-++	+		╃——	L		↓	ــــ				Γ
		84.1: thin clay gouge followed by 8mm carbonate	-	 	+++		 	╀		4						Γ
		vein @ 700	-	} -	++	+	 					-				\vdash
		84.4: sharp contact with well laminated fine	-	}	sH			4			<u> </u>					$\overline{}$
		crystal tuff; laminae at 70°	_	 	~ [+		 			 _ _ _ 	<u> </u>				Г
		-grades down in crystal and fragmental tuff again	-	 	++	3264	86.0	88.0	2.0	0.008	0.13					abla
		88.6: another sharp contact with fine tuff @	-	 	++	+	 			-						Γ
		85-90°, but here only 6cm wide, followed by	-	 	++	3265	88.0	89.0	1.0	0.003	0.16					$\overline{}$
		distinct fragmental tuff	_	 	++	 										$\overline{}$
		89.2-89.5: pale green bleached zone, 5cm wide,	_	}	++	+							I		\neg	_
		followed by clay gouge and intensely argillically	_	}	s	3266	89.0	90.0	1.0	k0.003	0.48					_
		altered rock		 	++	 				-						_
		-green alteration of feldspars	-		++	 		-								_
		-7mm quartz/carbonate vein @ 15°	_		++		 									_
8.5	92.5	Silicified breccia zone with siliceous and	-	 	s	}		 								_
		argillic alteration along borders	-		181	 										_
		Detects	-		╅╅	 										_
	* .	-commence with brecciated tuffs with moderately			++	}										_
		silicified fragments and argillic alteration	-		++	 				 			 			
	1,50	in matrix	_		++	 							 			_
		-cut by clay altered fractures	-		++	 		 					L			_
	100	90.5-90.6: clay gouge and intense argillic	-1		╫											_
-		alteration in tuff	-		₩	3267	90.0	91.0	1.0	0.003	4.68		 			
		00 (00 0	5	DV	++	 				 						_
		-grey-white fractured fragments of quartz set in	-	ma	╁	 							<u> </u>	$- \downarrow$	\Box	
		a very fine red hematitic siliceous matrix		ac	++-	<u> </u>				├──						
		-dark gray fragments contain discontinued	7		++-	 								\rightarrow	 \bot	
		malachite in fractures and possible fine acanthite	-		1 -	 				 					 	

PROJECT: HOLE: GL-84-16 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: GOLDEN LION INTERVAL GEOLOGICAL DESCRIPTION MITERALIZATION | ALT ASSAYS RECOVERY From X A S P SAMPLE FROM LENCIH Au Ag RUN Z -light quartz fragments carry only weakly disseminated pyrite and trace malachite П s 3268 91.0 92.0 91.2: 30cm section of fractured and resilicified 4 py 1.0 0.003 4.46 quartz vein with disseminated pyrite, malachite in fractures, and very fine acanthite ac 91.9: 6cm quartz vein as above Is 92.0: 1.5cm yellow siliceous gouge zone followed 3269 92.0 93.0 1.0 < 0.003 0.50 by silicified fragmental that quickly grades into grittly tuff with laminae @ 700 & @ 450 W 92.5 117.7 Grey-purple feldspar-hornblende tuff with lapilli and fragmental textures -overall weak argillic alteration 92.7: thin red silicified fracture @ 600 93.0-93.3: very fractured and strongly clay S 3270 93.0 94.0 1.0 -0.003 0.18 altered tuff -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 3271 94.0 96.0 2.0 0.014 0.16 -tuff passes into lapilli sized phenocrysts with 3272 100.0 102.0 2.0 40.003 0.12 local fragments 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 0.018 0.10

INTEK		CCT: GOLDEN LION HOLE: GL-84-16										PAGE.	NO:	8				
COE	To	CEDILOGICAL DESCRIPTION		PRALIZATION						ASSAY	3						KEO	ni.
100	10		X		AS	P	SAMPLE	FROM	70	LENCIH	Au	Ag	T		T		RUN	Ť
		with coarse carbonate matrix					3275	112.0	114.0	2.0	0.014	0.13		 	+		+1	+
		113.8: irregular yellow staining				П					14	/3		 	+	+	+	4
		114.0: yellow staining with irregular black				П	3276	114.0	116.0	2.0 <		0 12		+	+		+	4
		dendritic veinlets (manganese?) in fractured					3277	116.0	117.7	2.0	0.003	0.16		+	+	+	+	4
		rock	_		Н	H		*****		2.0 4	0.003	0.10	' 		+	+		4
						+			-		1		 	+	+			4
		117.7: End of hole			\vdash	\vdash			 				├	+	 		+	1
					+	+					 				┿		↓	1
			-		-1-1	_							-	 	+		-	1
I					++	-+-								+	4	-		
			+		++	+												T
			-		++	+								<u> </u>	1			T
			-1-1		++	+										1	1	T
_					++	+								1		T	_	t
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NEWFORT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVIL	Surface	DEPTH	PEARING	DIP	TYPE OF SURVEY	LENGIN	140.8 m	HOLE NO.	GL-84-17
LOCATION	25S 125E	Collar		-90°	Compass	CORE SIZE	BO	SIEET NO.	1 of 9
ELEVATION	1927 m	70.1		-86°	Acid	TOTAL RECOVERY	98%	LOGGED BY	G. McLaren
LATITUDE	25.0S	140.8		-90°	Ac1d	STARTED	Sept 1/84	CLAIM	Golden Lion
DEPARTURE	125.0E					COMPLETED	Sept 5/84	PURPOSE	

INTEX		GEOLOGICAL DESCRIPTION	MI	NERALIZATION	AI	IT				ASS	AYS				l ppo	OVER
From	To		Z		A I	SP	SAMPLE	FROM	10	LENGTH	Au	Ao	T		RIN	7
0	6.1	Casing			П	П						108	 -			1 ca
					T	П						+	 -		7.0	
6.1	41.6	Grey feldspar-hornblende lapilli porphyry (tuff?)	4	He	W	П			†			+	 -			2 8
	·	-textures vary from crystal lapilli to lithic			T	П						+	 		10.	
		fragmental			\top	77			 			†	 	+	13.	
		-overall weak argillic alteration			1	\sqcap						+	 - 			
		\$			+	11			 			+	 		13.	_
		-feldspar phenocrysts vary from white-orange (due			+	++			 			+	 -		15.	
		to limonitic stain near surface); carbonate			+	††			 			+	 		18.0	
		altered c	_		╅	++			├			+			20.4	
		-black hornblende laths		· · · · · · · · · · · · · · · · · · ·	┿	++						 	 -		23.	
	1,0	-set in fine grey matrix with clay and carbonate			┿	++			 			4			26.	
		alteration			+	++						 			29.3	
	10.0	-disseminated, hematite 3-5%			+	╁╂							}		29.9	
		-irregular fractures and auto-breccia textures			┿	╁╂						 			32.0	
		with white carbonate fracture/matrix filling			+	++				<u> </u>		 	 		35.	
	1	found throughout section			+	++									38.7	7 1
		19930 Enroughout Beccion			+	++			 						40.2	
		-isolated fragments of a grey, fine grained			+	++			 				 _		42.1	
	17.	material of black hornblende needles densely set			╁	++									45.1	
		in a fine grey matrix			+	₩			 			 			47.9	1 1
		7.6: quartz-carbonate vein @ 30°			╁	++			 						50.9	1
		22.0: pink to brown (Fe-) carbonate vein in	-	~~~~	+	H			 		↓	 			53.9) 10
		broken core			+	₩	3278	12.0	14.0	2.0	<0.003	0.84			57.0	0
		26.4-26.7: well fractured and clay altered core			+	H			الـــا			1			60.0	1
		27.4: iron-carbonate (siderite)	+		5	₩	3279		18.0		40.003	0.10			63.1	ı
		-calcite veinlet/breccis filling	\dashv		+	₽.	3280	22.0	24.0	2.0	0.006	0.12			66.1	1
		28.1-29.3: fault zone: fractured and clay altered	-+		+	₩			أسيبا						69.2	41
		Tractured and Clay aftered		19	3	ш	3281	26.0	28.0	2.0	0.006	0.34			72.2	2 9

PROJECT: GOLDEN LION HOLE: GL-84-17 NEWHUNT EXPLORATION OF CANADA LIMITED PAGE NO: 2 INTERVAL. GEOLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS KECOVERY Prop To ASP SAMPLE FROM TD LENGTH Au Ag RUN 🖫 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 3282 32.0 34.0 2.0 40.003 0.14 78.9 100 of feldspars, likely because surface limonitic stain 81.4 100 is diminishing 36.0: possible fragmental textures composed of 87.5 97 same feldspar-hornblende porphyry, slightly altered 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 vellow-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 40.003 0.04 111.9 95 of same purply-grey porphyry (tuff) -grades down into finer crystal tuffs, weakly 116.4 92 laminated @ 400 119. 121 41.6 42.4 Quartz-veined shear zone 3285 41.5 42.5 1.0 < 0.003 0.94 124.0 100 127. 92 41.6-41.8: fine tuffs are strongly bleached and 130. pyritic 133 41.9-42.1: 10cm quartz vein with hematite, trace 136. acanthite tr ac 139. 102 -passes into stronly silicified breccia with 140.8 100 quartz veining 42.1-42.4: clay altered shear zone, shearing @ 30-45° 42.4 60.5 Grey feldspar-hornblende tuff, with lanilli-crystal 3286

PROJECT: HOLE: GL-84-17 NEWHUNT EXPLORATION OF CANADA LIMITED GOLDEN LION PACE NO: INTERVAL. CEDILICICAL DESCRIPTION MINERALIZATION ALT ASSAYS KECOVERY From To AS P SAMPLE FROM LENCTH TO RUN Z Au Ag 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 45.4-45.7: strong clay alteration and shearing s in tuffs -shears @ 20-30° 45.7-47.0: sharp contact with very fine grained S 3288 45.0 47.0 2.0 40,003 0.06 pale green crystalline rock with strong clay alteration -possibly a fine, altered dyke, similar to fine borders of dyke in 84-16 -lower contact in very broken core, appears to be a 200 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 40.003 0.01 49.8: clay fractures and carbonate matrix in auto-breccia section 3290 54.0 | 56.0 2.0 < 0.003 0.01 -continue in fragmental-lapilli textured tuff 57.5 | 59.5 3291 2.0 0.003 0.04 60.3: start strong clay alteration in fragmental 3292 59.5 60.5 1.0 0.003 1.28 tuff

	PKOJE	CT: GOLDEN LION IOLE: GL-84-17 NE	er.	E CAD MALION	ur	CANAIJA	TIME		•			PAGE.	NO: 4				
INTEX	VAL	CEDILOGICAL DESCRIPTION	MO	ERALIZATION	ALI					ASSA'	YS			······		RECO	WER
room	To		X		AS	P SAME	E FR	M	70	LENCIH	Au	Ag				RUN	Т
).5	66.0	Silicified breccia zone cut by clay altered shear	В		S	32	93 60.	.5	61.5	1.0	0.006	11,40					T
																	T
		60.5-62.5: grey-green strongly silicified frag-		γg	sls												Т
		ments, containing disseminated pyrite hematite.		he		32	94 61	5 6	62.5	1.0	0.008	12.50					T
		very fine acanthite, and malachite in fractures.		ac							$\prod_{i=1}^{n}$						T
		set in a matrix that varies from red hematitic		ma												T	T
		siliceous to completely clay altered.														\top	٢
																	T
		62.5-63.5: begin strong red silicified and		he	s	32	95 62	5 6	63.5	1.0	0.003	3.27					T
		hematitic matrix		рy	Ш			$\perp 1$								\top	٢
		-after 63.0 core is very broken, leading into		ma			\Box	\Box									t
		very poor recovery of a clay altered tuffaceous			S												T
		host															٢
																1	T
		63.5-64.5: siliceous breccia with hard red		рy	s	32	96 63.	5.16	64.5	1.0	0.010	7.29				7-	٢
		matrix		he												1	Г
		-quartz fragments are mineralized as in 60.5		ac	Ш												Г
				ma	Π												Г
					П				- I							T	Γ
		ATTACA STITLEOUS	'	he	s	32	7 64.	5 6	55.5	1.0	0.003	5.11					Γ
		hematitic breccia and altered fragmental tuff		py	Ш												
		-tuffs are intensely clay altered in fractures			s	1											
		but otherwise are moderately silicified	_		$\bot \bot$	 			$-\Box$								
			_		44	-		_									
		65.5-66.0: silicified breccia as at 63.5	_	DY	s	32	8 65.	5 6	56.5	1.0	0.004	_5.98					
				he	11	-			$-\!\!\perp\!\!\!\!\perp$								
\dashv				ac ac	41												
			_4	ma l	44												
0	116 1	Fragmental-lapilli feldspar-hornblende tuffs, as			#	 		\bot									
-	110.0	above tutts, as			1	1						أيسينا					
\rightarrow		and the state of t													7	T	

o-breccia and fragmental sections have white onate matrix e fractures coated with rusty. ochre-clay -67.5: bleached and clay altered fracture tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65° : clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuff ix laminated ash layers	X	ERALIZATION		3 3	300	FROM 66.5 72.0 76.0	68.5 74.0		Au 0.003	0.0					RUN	
onate matrix e fractures coated with rusty, ochre-clay -67.5: bleached and clay altered fracture tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65°: clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuffix			S.	3	299	72.0	74.0	2.0	<0.003	0.0						
onate matrix e fractures coated with rusty, ochre-clay -67.5: bleached and clay altered fracture tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65°: clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuffix				3	300	72.0	74.0	2.0	<0.003	0.0						
e fractures coated with rusty, ochre-clay -67.5: bleached and clay altered fracture tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65° : clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuffix				3	300	72.0	74.0	2.0	<0.003	0.0						
-67.5: bleached and clay altered fracture tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65° : clay gouge : 5nm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuffix				3	300	72.0	74.0	2.0	<0.003	0.0						E
tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65° : clay gouge : Sum carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli tuffix				3	300	72.0	74.0	2.0	<0.003	0.0						F
tinue in clay altered fractures to 68.0 : thin clay gouge in fractures at 65° : clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli 'tuffix			S				74.0	2.0	<0.003	0.0						十
: thin clay gouge in fractures at 65° : clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli 'tuff ix			S								2					
: clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli 'tuff ix			S								2			 		Г
: clay gouge : 5mm carbonate/quartz veinlet @ 35° -78.9: clay gouge zones tinue in coarse fragmental with lapilli 'tuff ix			S								-					H
-78.9: clay gouge zones tinue in coarse fragmental with lapilli 'tuff ix			S	3:	301	76.0	78.0	2.0	0 002		1	l l				۲
tinue in coarse fragmental with lapilli 'tuff ix			S							1 0 0	4	 	_	 		⊢
tinue in coarse fragmental with lapilli 'tuff ix							1		70.000	1	1-	+-	 			-
íx	\Box								1	-	+		 	\vdash	-	۲
	\Box		, , ,								_		 	1		۳
landman d sub land			П						1	 	+	 	 	\vdash		_
LAMINATED ASD LAVERS			Ш	7					+	-	 	1	 			_
carbonate veinlet/fracture filling @ 60°			Ш	3	302	80.0	82.0	2.0	40.003	0.0						_
clay altered fractures	\sqcap		s			82.0	84.0		0.003			 	+			
: clay altered shear @ 650 followed by broke	h		s	1		VEIV	-03-4		70.000	U.U.	4	+	 			-
	П		Ш	3	304	86.0	88.0	2.0	0.003	0.1	4	 -	 			_
: 20cm clay gouge, followed by broken core			s	1		1	- 40.44		70.000	V. 1	4		1			_
8.4									 		 		 			-
-91.7: clay fractures and gouge			s	3:	305	90.0	92.0	2.0	0.003	0.0	4		1			-
5mm quartz/carbonate veinlet @ 60°				3:	306	94.0	96.0		0.003			1		-	-+	_
erlying breccia matrix is bleached and frag-									1	_ V.V			1		-+	_
s show strong green montmorillonite alteration	n		\Box						1					$\overline{}$	-+	_
10-15cm: no sulphides		1.5	\Box								T	1	\vdash	-	$\overline{}$	-
weak brecciation/fracturing with carbonate											1		1		$\overline{}$	_
x, @ 45°			\Box								†	1			\rightarrow	_
96.7: clay alteration in fractures		1	s								1	1	1 1		-+	_
5-10cm clay gove			s	33	307	97.0	98.0	1.0	0.003	0.1	 	1	 		-+	_
- J TOOM CLAY KUUKE			Π	T		1			1.002		1	1	1		-+	_
0 	-15cm: no sulphides weak brecciation/fracturing with carbonate	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge S 3 brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge 5 3307 brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge 5 S 3307 97.0 98.0 1.0 <0.003 0.1 brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge brecciation and fracturing filled by S 3307 97.0 98.0 1.0 < 0.003 0.12	-15cm: no sulphides weak brecciation/fracturing with carbonate , @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge S 3307 97.0 98.0 1.0 <0.003 0.12 brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5-10cm clay gouge S 3307 97.0 98.0 1.0 40.003 0.12 brecciation and fracturing filled by	-15cm: no sulphides weak brecciation/fracturing with carbonate . @ 45° 6.7: clay alteration in fractures 5 S 5-10cm clay gouge S 3307 97.0 98.0 1.0 < 0.003 0.12 brecciation and fracturing filled by

INTERVAL	GEOLOGICAL DESCRIPTION		PERALIZATIO						ASSA	YS					KECC	MER
rom To		X		A	SP	SAMPLE	FROM	Œ	LENCTH	Au	Ag			7	RLN	T
	97.7-97.8: good breccia zone with carbonate matr	Lx			П											†
	mainly, but also some brown stained siliceous				П				·						1	\dagger
	matrix material				\prod		L						\neg			t
	97.9-98.6: thin quartz veinlet system running	tr	ру		s	3308	98.0	99.0	1.0	0.003	0.94		_		_	t
	along core @ 900				\coprod			T		T						t
	-host rock is fractured with brown siliceous and				П										+	十
	carbonate matrix														+	╆
	-trace pyrite					12				1					+	t
	98.8: thin quartz veinlet @ 80°	tr	ру				1								+	t
	-trace pyrite, malachite	tr	ma		П								\neg	_	+	t
					П									- 	+	t
	-continue in fragmental tuff with montmorillonite			\neg	П	3309	99.0	100.0	1.0	0.003	0.02		\dashv		+	╆
	alteration of fragments and a red hematitic matri	ĸ			\sqcap			1	***	10.000	0.02		-+-		+	ł
								1		 			+		+	╁
	100.4-100.7: clay altered fracture zone @ 100			М	W	3310	100.0	101 0	1.0	0.003	0.56		+-	+-	+	H
	-carbonate veining across core above and below					7,7	100.0	1.01.9	1.0	10.003	0.29		+			⊢
	fracture zone	$\neg \neg$		\neg						 					+	⊦
	-distinct green montmorillonite alteration of							 		+				+	+	⊢
	feldspars and fragments, and weak silicification							 		1				+	 	H
	to 104.0							 		1				+	 -	⊦
	-pyrite varies from trace to dense accumulations		DΨ	\neg				 		 			+-			⊢
	in some fragments					3311	101.0	102 0	1.0	0.003	0.20				+	-
							101.0	102.4		10.003	- 0.24 -		+		+!	Ή.
	102.6-102.7: clay gouge			Is	\Box	3312	102.0	103 0	1.0	002	0.20	-+-				_
	107.4-107.6: fractures and brecciation with				$\neg \neg$		103.0			0.003					+	_
	carbonate matrix				П		**************************************	1		14.00.3	U.U4		+-	 -	 	_
					П									+	+	_
	-continue in ragmental-lapilli tuff, locally with			T		3314	107.0	109.0	2.0	0.003	0.01		+	+	+	_
	white carbonate matrix				П	3315	111.0	113.d		0.003			 	+	+	-
					П			1					+	+	+	_
	114.4: clay altered fractures @ 100			s	\Box	3316	113.0	115.0	2.0	0.003	0.01		+-	+	+	_
	114.8: 5mm quartz/carbonate vein @ 600				\Box		115.0			0.003	0.06			+	+	_

		CT: GOLDEN LION ICLE: GL-84-17 NO											•				
INTER		GEOLOGICAL DESCRIPTION	MI	PERALIZATION					ASSA	<u>YS</u>						KECO	MER
rou	To		X		AS	P SAMPLE	FROM	10	LENCIH	Au	Ag		1			RLN	T
16.0	117.0	Siliceous breccia zone followed by siliceous			s					$\overline{}$			1	1			╆
		alteration of tuff				3318	116.0	117.0	1.0	0.020	0.24			+			╁╌
			\Box		П	7				1112	<u> </u>		 	1	 		╁╴
		116.0-116.4: grey-white quartz fragments set in		ру	s	1				1			 	+	 		┿
		a fine red siliceous matrix		1		 	1	1		1		·	+	+			╀
		-minor disseminated pyrite N.B. core is fractured	\vdash			1	 						+	+	 		╁
		and ground					 	1		1			+	+			╄
		-recovery less than 50% in this section	f		\Box	 	 	†		+			 	+	 		╀
		-breccia appears very similar to that intersected				+	 	+		1			┼	+	 		₽
		in GL-84-16			11	 	 	1		+			+	┿			⊢
		-finish in clay gouge	_		\Box	 	 	1		-	-		 	╂──┤	 		⊢
	an in	116.4-117.0: bleached, weakly silicified tuff	1	ру	s	 	 	 		+			┼	+			┡
		-disseminated pyrite 1-2%	-	-	-1-1	+	 	+-+		+			 	+			┡
		-green montmorillonite alteration of feldspar	_		++	 	 	 		+			 	┼┤			⊢
		-finish in well fractured and clay altered rock	_		+	 	 	 					 -	}}		——	⊢
		,	 		+	+	 	╂──┤		+			 -	╂┷┷┼			<u>_</u>
7.0	126.0	Return to fragmental-lapi li tuff with green	_		M	3319	117 0	110 0	1.0	0.010	0.05		 -	╁┷┷┼			—
7.0 12		montmorillonite alteration in fragments and	-		4+	3313	117.0	1110.0	1.0	0.010	0.03			 -			4
		feldspars			++	 	 			\vdash			 	╄			_
		-clay in fractures	-		++	 							 	 -			_
					++	 	<u> </u>			1				}			
		117.8: clay gouge zone			sH	 		├ ──┤			——			+	 +	\longrightarrow	
		118.8: clay gouge and fractures followed by 30cm			하	3320	110 0	120.0		000				├			
		of lapilli tuff that grades down into lapilli			ᡨ╁	3320	110.0	120.4	2.0	40.003	0.96			} -}			_
		fragmental tuffs as before			++	 							ļ	├			
				DV	++	3321	130.0	122.0					<u> </u>	┝╼╾┼			
		fractures and minor disseminated pyrite			++	3321	120.0	122.4	2.0	0.003	0.19		<u> </u>	 			
		121.3: fragmental now includes some black, very	-		++	 								├ ──┼			
		fine grained, weakly laminated fragments			++	 		\vdash		 				├ ──┼			_
		-this rock quickly grades into a well fractured			++	 				 		}		├ ──┼			
		and brecciated tuff with some black fragments and			++			 		├							
		matrix as well as green altered lapilli tuff			44											[_

	PKOJE	CT: GOLDEN LION NOLE: GL-84-17 NO.	MU1	EXPLURATION	OF	CANADA LI	CETTIM				PACE	NO:	8				
DVIEXVA		GEOLOGICAL DESCRIPTION	MO	ERALIZATION					ASSAY	rs						KECO	MER
Prom	To		X		AS	P SAMPLE	FROM	10	LENCIH	Au	Ag	1	7	7	T	RUN	T
		-clay alteration in fractures						1				T	T	T			⇈
		122.4-122.5: clay altered fractures followed by	tr	рy		3322	122.0	124.0	2.0	0.005	0.02		1	1		 	t
		bleached zone with trace pyrite						7		1	1		1	1			+
		123.2-123.3: breccia now includes black fragment			\Box			1		 	1			1	 		H
		plus brown fragments of fine tuff, set in coarse			\sqcap	1		1		 	1		 	+		 	 -
		crystalline carbonate matrix								1		 	1	 	 	 	┢
		123.3-123.5: shear zone, intense clay alteration			s						 		1	1	 	 	⊢
		and minor quartz/carbonate veining						1		—	 	 	 	 	 	 	┢
		-shearing @ 35-450			\top					 			 	1	 	 	┢
		123.5: well fractured and clay altered			$s \square$					†			 	 			┝
		123.7: grades into tuff/breccia containing			77					1	 	 	 	 	 	 	⊢
		angular fragments of brown fine-medium grained			11	1				1	 	 	 	 	 	 	⊢
		crystal tuff? (not seen previously) containing	\neg		11	1			-		 		 	†	 	 -	┝
		small grey feldspar crystals set in a gritty	_		77	1							 	 	 	 	-
		grey-brown matrix			11	1		1					 	 	 	 	-
		-breccia matrix is fine grained grey tuff from			11	T							 	 	 		-
		previous sections			11			 					 	+		 	\vdash
		-considerable irregular quartz carbonate veining			11			1					 	 	 	 	
		and fractures with clay alteration			11	†							 	 			-
		125.5-125.9: strong fractures and clay alteration	7		s T	1		 					 	 			_
		gouge			"††			1						 -	 - 		_
			$\neg \uparrow$		11	 							 	 	 		<u> </u>
26.0 14	40.8	Fine-medium grained. brown, massive andesitic flo	(2)		11	1							 	 			_
					11			1						 			_
		-small feldspar crystals with weak-moderate carbon	ara		11	3323	126.0	128 0	2.0	0.004	0.01		}	-			
		alteration, densely set in a very fine grained ma	714		11	1 772	A CUE V	140-14		0.004					 		_
		-cut by many irregular quartz/carbonate veinlets			11								 				-
		aoften with weak chlorite alteration adjacent			11								 	-	 		
	I	-well fractured to 129.4	$\neg \uparrow$		11								 	1	 		_
	I	127.9: strong shear/fractures @ 60° with clay	$\neg \uparrow$:11	1		 					 	┼─┤			
		alteration			11			 						 			_
		-quartz-carbonate veinlets			11	 							 	} }			

HOLE: GL-84-17 NEWHONT EXPLORATION OF CANADA LIMITED PROJECT: GOLDEN LION PACE NO: 9 CEDEUCICAL DESCRIPTION INTEXVAL. MOTERALIZATION ALT ASSAYS RECOVERY From To AS P SAMPLE FROM LENCIH RUN I 70 Au Ag 131.7: quartz/carbonate veinlets 1cm wide @ 700 3324 130.0 132.0 2.0 <0.003 0.01 132.8-132.9: quartz/carbonate vein/breccia @ 40-133.5: 2cm quartz/carbonate vein/breccia @ 500 135.3: 2cm quartz vein with very fine grey 3325 135.0 136.0 1.0 <0.003 0.40 tr gr sulphide trace pyrite @ 550 tr py 136.1: 2cm quartz vein @ 650 with trace pyrite 3326 tr py 136.0 137.0 1.0 40.003 tr he 136.5: 7mm quartz vein @ 60° with chalcopyrite. Π сру pyrite, galena рy ga -host rock is now medium grained with green feldspar phenocrysts and brown-black ma ics set in mottled fine grained grey-brown matrix 3327 137.0 138.0 137.3-137.6: moderate brecciation with quartz 1.0 < 0.003 0.16 CDY matrix carrying minor chalcopyrite, trace ру pyrite, hematite tr he 138.0: 3mm quartz/carbonate veinlet @ 450 3328 138.0 139.0 1.0 40.003 0.46 138.3: 5mm quartz/carbonate veinlets @ 65-700 138.6: 5mm quartz/carbonate veinlet @ 500 1 сру carries minor chalcopyrite, galena, and traces 1 ga 3329 | 139.0 140.8 1.8 40.003 0.01 pyrite tr py -cross cutting quartz/carbonate veinlet @ 750 without sulphides 140.8: End of hole.

NEAHONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

LEVEL Surface BEARING | DIP DEPTH TYPE OF SURVEY CORE SIZE BQ HOLE NO. GL-84-18 LOCATION 10S 140E Collar 040° -45° Compass SEET NO. 1 of 8 ELEVATION 1929 m TOTAL RECOVERY 95% 62.8 LOCCED BY G. McLaren -45° Acid 139.0 LATITUDE 11.75 STARTED Sept. 15/84 -47° CLAIM Golden Lion Acid DEPARTURE 136.9E COMPLETED Sept. 17/84 PURPOSE

INTER		GEOLOGICAL DESCRIPTION	М	NERALIZATION	AL	I				ASSA	YS				1	RECO	WEF
roa	To		Z		A Is	ь	SAMPLE	FROM	10	LENGTH	Au	Ag				RLN	T
0	6.1	Casing			Т	П					 					6.1	1
	<u> </u>				Т	П				 						7.3	
1	96.3	Grey feldspar - hornblende porphyry	4	he	Т	П			†		 					7.9	-
		-feldspar crystals up to 8mm with weak carbonate			Т	П			†	 	 	 		—— 		11.0	
		alteration			7	П			1		1					14.0	
		-hornblende laths			T	П			1		 					17.1	_
		-all set in a fine grained matrix with carbonate			T	Ħ			 		 					20.1	_
		alteration				П			 		1					22.2	_
		-disseminated hematite 2-5%			_	Ħ			 		+					$\frac{22.7}{23.1}$	1
		-auto breccia textures and fractures with car-			+	Ħ			 		+			_		26.1	╬
		bonate fillings			\top	Ħ			-		+			2		29.3	₽
		-pervasive orange limonitic stains, particularly			+	H	-		1		+						1
		of feldspars, carbonates and matrix, from			\top	H			1		+					32.3	J
		supergene solutions			┪	Ħ	3330	8.0	10.0	2.0	×0.003	0.01		-+		35.3	4
					1	H	3330	0.0	10.0	2.0	F 0000	0.01				38.4	-
		9.5-11.0: increased carbonate fracture fillings	tr	DV	+	Н	3331	10.0	11.0	1.0	<0.003	0.04				41.5	_
		-some thin (.5-lcm) quartz veins with later car-	-	P7	+	H	3331	10.0	11.0	1.0	<u> </u>	0.04				44.5	-
		bonates in centre of veins, red limonitic	_		╁┤	H			 		+					47.6	۹
		selvages and bleached host rocks nearby	_		Н	H		——	 			·		$-\!\!\!\!+$		50.6	-
		-trace disseminated pyrite			Н	H			 		+					53.6	-
					Н	H										56.7	-
		11.0: fractures with clay alteration @ 60°			iΗ	╁			 		1					59,7	•
		-weakly siliceous	-		╫	H										62.8	-
			_		╁┤	Н			 			—— 				65.8	_
			_		╁┤	H			 		1					68.8	-
		11.5: Mineralized grey quartz veinlet within a	_	ac	s	H	3332	11 0	12.0	1.0	0.20	16.87				71.9	•
		4cm fracture zone @ 60°		Ag	#	H	3232	11.0	12.0	1.0	1 420	10.8/				75.Q	-
1		-fine grained acanthite in quartz, native silver	++	nv	╁┤	H			├		 					<u> 75 9</u>	
		minor pyrite, trace malachite	_	ma l	لمل	ىلىا					1 1	1	i			78.7	1

~		T CONTROL PROGRAMMA	W	ERALIZATION	47.7	· 1			ASSA	NC .				T RECO	===
DATEK		GEOLOGICAL DESCRIPTION	X			P SAMPLE	FROM		LENCTH						NEX T
tom	To		-		ALS	P SATELE	PROFI	10	DEACH	Au	Ag		 -	RLN	_
		<u> </u>	-			 	+	1						79.6	
		-4cm x 4cm fragment of dark grey siliceous vein	-		Н	3333	12.0	13.0	1.0	FO. 003	0.36			81.1	_
		material offset by crosscutting fracture			+	+	 							84.1	_
			 		Н	3334	13.0	15.0	2.0	0.003	0.01			87.2	-
			-		ш	+		1						90.2	
		17.0: clay altered fractures @ 45°	<u> </u>			3335	17.0	19.0	2.0	FO.003	0.02			93.3	
		21.0-21.4: brecciation and fractures with			ш		 	1		-				96.3	
		carbonate/quartz in filling at irregular angles	_		ш	3336	21.0	23.0	2.0	KO 003	0.01	\longrightarrow		99.4	
		hetween 20-45°	-		Н	-	<u> </u>	1						102.4	
		23.1: 10cm auto breccia with carbonate matrix	ļ		44		╀	1						104.9	
		23.7: supergene staining becomes irregular past	_		ш	4	 	1						107.9	
		here	<u> </u>		Ш		 	1						110.0	
		-unstained rock shows grey matrix, with green	<u> </u>		Н			1						111.6	-
		montmorillonite in feldspars, and hornblende	L		Ш	<u> </u>		1		-				114.6	-
		laths	.		ш	1				1				_117.7	_
		-disseminated hematite up to 5% stains matrix red	<u> </u>	he	Щ	3337	25.0	27.0	2.0	k0.003	0.01			120.7	4
		locally	<u> </u>		11									23.7	<u>4</u>
		30.5-31.5: irregular bleaching gives false	L		Ш	3338	30.0	32.0	2.0	0.006	0.14			126.8	يلا
		breccia textures of unbleached fragmental shapes			ш									129.8	Ł
	<u> </u>	-some auto-brecciation with carbonate matrix	L.			3339	35.0	37.0	2.0	<0.003	0.01			132.9	<u>.</u>
		40.2-40.3: thin carbonate veinlets @ 60° with		he	Ш									135.9	-
1		red hematitic selvages			$\perp \perp$	3340	39.0	41.0	2.0	<0.003	0.04			139.0	<u>1</u>
					ш										
		44.1: thin veinlet with 1cm bleached, limonitic	L		Ш	3341	43.0	45.0	2.0	0.003	0.02				
		selvages @ 20°			Ш										
			_		44										T
		-manganese dendrites adjacent to fractures	- 1		Ш			1							L
		common in next section			Ш					$oldsymbol{oldsymbol{oldsymbol{eta}}}$					┸
$-\!$					+			1 1							L
		47.4-47.6: clay alteration and gouge: poor				4									L
		recovery	1.14		_1.1	1	1	1							

INTEXVA	V.	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	AL:	īΤ				ASSA	rs						RECO	XXXX
LOG	To		Z		AS	P	SAMPLE	FROM	70	LENCTH	Au	Ag	<u> </u>	T	T	Γ	RUN	1 %
		48.0-49.0: broken core, poor recovery, but			l w	\coprod	3342	48.0	50.0	2.0	0.003	0.02		1.	1			
		contains weak silicification				Π									1			
		50.4: thin quartz veinlets @ 60° with hematite-		he		Ш									T		T	T
		red rims and limonitic selvages				П												
		50.8: fractures with hematite rims, as above		he		Π								7	T			\vdash
		51.0: fractures and clay alteration			$\mathbf{s} \bot$	П								1		1	1	
		51.4: fractures and bleaching with manganese			\prod	П								1	1	T	 	
		dentrites				П									1			1
						П								1	T	1	 	
		-continue in feldspar, hornblende porphyry with			\prod	П	3343	52.0	54.0	2.0	40.003	0.01					1	\vdash
		green-white montmorillonite-carbonate alteration			П	П									1	1		†
		of feldspars in a pale brown matrix (consider-			П									1	\vdash	 	_	
		able limonite stain)														†		╆
		-hematite coated fractures with limonite staining		he	\Box	П	3344	56.0	58.0	2.0	0.003	0.01			1	 	 	1
		as selvages or pervasive, depending upon frac-				П									\vdash	†	_	<u> </u>
		ture intensity				П								1		†	 	
		-manganese dendrites common along fractures				П								1		1		
		-thin fractures/veinlets @ 90°				П										†	—	<u> </u>
						П								-				_
		59.7-59.9: bleached rock finishes in strong			s	П	3345	59.0	_60.d	1.0	0.003	0.01		T .				
	11	clay alteration and gouge				П								— —				
		-followed by dark grey, strongly silicified tuff			s									1				_
		well fractured and healed by silica				\prod								1				
		-disseminated hematite, minor pyrite		he py														<u> </u>
							4			, , , , , , , , , , , , , , , , , , ,								
		-brown clay gouge in middle of silicified section												T				
		-basal contact shows hematite staining/yeining		DV										1				$\overline{}$
		@ 45° followed by bleached, weakly pyritic																
_		rock			\perp									1				_
					\coprod													$\overline{}$
			I		\perp													

PROJECT: HOLE: G1-84-18 NEWHUNT EXPLORATION OF CANADA LIMITED PAGE NO: 4 GOLDEN LION GEOLOGICAL DESCRIPTION ASSAYS INTERVAL MINERALIZATION | ALT RECOVERY A SP SAMPLE From FROM LENCIH Au Ag Œ 3346 40.003 0.01 60.0: continue in grey, feldspar hornblende 2.0 60.0 62.0 porphyry, well fractured with irregular hematitelimonite staining and clay alteration -fractures @ 45° & 90° -fractures produce thin breccia zones with limonite matrix 62.8: brown clay gouge followed by 90° (along S 3347 62.0 64.0 2.0 0.003 0.01 core) limonitic fracture containing carbonate veining and clay alteration extending to 63.8. 64.9: clay gouge s 3348 66.0 68.0 2.0 <0003 0.01 69.0: 5-8cm banded clay shear zone @ 60° 69.1: clay shear, followed by green chloritic alteration in porphyry with many auto-breccia 3349 70.0 72.0 2.0 K0003 0.02 sections, filled by carbonates -green chloritic alteration and brecciation contipues to 78.0 75.0: clay gouge 3350 74.0 76.0 2.0 < 0.003 0.02 77.0: quartz/carhonate/hematite veinlet and fracture fillings @ 80° 3351 76.0 78.0 2.0 <0003 78.0. clay gouge zones s 78.7: pass through thin clay gouge and into angular lithic fragmental tuff of same feldspar-3352 78.0 80.0 2.0 K0003 0.01 hornblende porphyry -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 3353 82.0 84.0 2.0 < 0.003 0.04 crystal tuffs -green montmorillonite-chlorite alteration is quite irregular varying with fracture intensity

INTERVAL		GEOLOGICAL DESCRIPTION	M	PERALIZATION	AL	II				ASSAY	S					7	KECO	VΩ
rom To	5		X		AS	P	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn			RUN	٣
		86-4			5	П	3354	86.0	88.0	2.0	0.10	0.01						r
		87.2) clay gouge zones	L		ВI	\mathbf{L}												t
		87.6-87.9.	1		s	П	3355	88.0	89.0	1.0	<0.003	0.01		1				t
		-lavered fragments @ 30°	T		П	П												r
		89.0: strongly silicified fragments visible.	1			sΠ	3356	89.0	90.0	1.0	0.010	0.01		1				۲
		no sulphides				П												t
		89.7: 4cm layer of laminated ash fall tuff:	77	Pv	T,	\mathbf{J}												t
		laminae @ 60°			П	П												t
		-upper contact has much pyrite along it and			П	П												t
		surrounding rocks, particularly the ash fall.			П	П												t
		contains considerable fine grained pyrite (5-8)	a			П							1					t
			T		П	П							1					t
		-followed by green altered crystal tuff with			s	\sqcap					1				_			t
		minor pyrite	1		П	П					1					$\neg \neg$		t
			1	1 2 2	П	П												۲
		89.9: return to fine laminated ash with very			П	П							 					۲
		fine pyrite			П	П												Γ
		-laminae @ 85°, cutoff by 45° fractures			П	П												r
			I		П	П												r
		-continue in well fractured, green altered	T	ру	s	П	3357	90.0	91.0	1.0	< 0.003	0.01				$\neg \neg$	$\neg \neg$	٢
		lapilli tuff with disseminated pyrite		1.0	П	П						:	<u> </u>					٢
		-fractures and clay alteration			П	П		7.15									$\neg \neg$	Γ
		-pale grey-green bleaching and weak-moderate			П	П	3358	91.0	92.0	1.0	0.006	0.01				_		r
		silicification throughout				П						1.7						Γ
	\Box				П	П				-		7.						Г
		92.8: very fine sphalerite, galena (?) & trace		sphal	M		3359	92.0	93.0	1.0	0.004	0.17	0.07	0.20				۲
		chalcopyrite in veinlets and as sparse dis-		ga?	П	П		150										Γ
		seminations		сру	П	П	3360	93.0	94.0	1.0	0.006	0.28	0.08	0.29				Γ
					П	П												Γ
		-weak-moderate silicification			П	П		1.9										Г

DVTEX	VAL	CEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT	1			ASSA	rs						(ECCOVI	ER
Prom	To		X	T	AISIP	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn			N	
		94.5-95.3: well fractured and strongly altered		py	s	3361	94.0	95.0	1.0	0.004	0.13		0.25			1	_
		tuffs		sphal	Π					1		1	1			-	_
	1	-carbonate and quartz veining with sphalerite.		ga	П		1				1	1			-		_
		pyrite and galena specks									1	1			-	\neg	_
		-good silicification and quartz vein carrying			Isl						1	 	1			_	_
		sphalerite and fine black sulphide @ 95°								 		1	 			-	_
		95.5-96.3: intense silicification	- 1		Is	3362	95.0	96.0	1.0	40.003	0.15	0.05	0.07			-	_
		-strongly silicified black fragments in white rock				****		1		1-000	1 4.13	10.05	10.07				_
								t - t		 	 					-+	_
		N.B. fracturing, clay alteration and silicifica-	_		Π					1	 	 	 		-+	-	-
		tion have all been increasing from 90.0 as the								 		 	-			\dashv	-
		fault zone is approached: exact contacts are not	_						100	1	 	 				-	-
		definite.	_								1	 	-			-	-
					H					 	 	 				-+	_
5.3	111.0	Fault zone containing strongly sheared clay	_		s							 			-+	-	_
	10	altered bleached and silicified rocks.								-		 	1	-+	-	_	-
		-zone commences with white pyritic rocks, followed			\Box					1	 	t			-	-+	~
		by intermittent zones of sheared clay altered								 	 	 				-	-
		tuffs and white, bleached tuffs													\rightarrow	$\neg +$	-
- 2												1		_		_	_
		96.3-101.3: white to pale grey fine grained rock	7		sral	3363	96.0	97.0	1.0	×0.003	0.01	40.01	0.01			-	
		that appears to have been silicified and later				3364		98.0	1.0	_		40.01					-
		to have been sheared and intensely clay latered				3365		99.0		_		K0.01			-+	\dashv	-
	1 1	-disseminated pyrite 5 - 10% throughout, but			\top			1111		11.000							-
		with broken veinlets of over 50% pyrite				3366	99.0	100.0	1.0	40003	0.01	KO 01	0 01				_
- A		0 45 - 50° (at 99.3, 99.5, 100.0)				3367	100.0					40.01				\dashv	-
								1				Bu. 111					-
		101.3-102.2: Grey-purple fragmental tuff with	\neg		s	3368	101.0	102 0	1.0	<0.002	0 10	KO 01	0.01			+	-
		intense argillic alteration															-
I		-feldspars completely clay altered														-	-
I		-mafics hematite stained and altered	\neg		\neg											\dashv	-

PROJECT: GOLDEN LION HOLE: GL-84-18 NEWHONT EXPLORATION OF CANADA LIMITED 7 PAGE NO: INTERVAL. CEDLUCICAL DESCRIPTION MITERALIZATION ALT Prom To ASSAYS RECOVERY A S P SAMPLE -fine grained purple gritty matrix with clay FROM LENCTH Au Aρ RUN Z alteration and disseminated hematite 102.2-102-7: white-pale green bleached, clay DV S | 3369 altered tuff with weakly disseminated pyrite, as 102.0 103.0 1.0 K0.003 | 0.24 K0.01 K0.01 at 96-3 102.27-104.4: grey-purple tuff with intense S 3370 103.0 104.0 argillic alteration 1.0 K0.003 | 0.16 | 0.01 | 0.02 104.4-105.0: white-pale grey bleached, clay рy S 3371 altered tuffs, minor pyrite 104.0 105.0 1.0 <0.003 | 0.18 | < 0.01 | < 0.01 105.0-105.3: reddish hematite stained tuff with s 3372 105.0 106.0 intense clay alteration 1.0 <0.003 0.06 0.01 0.01 105.3-105.7: white bleached clay altered tuff SW with weak silicification 105.7-107.3: grades into grey strongly clay altered tuff again 106.0 107.0 0.004 0.34 < 0.01 0.01 107.3-107.8: dark red, hematitic, moderately S 3374 107.0 108.0 strongly silicified tuff 1.0 kaoo3| 0.14|<0.01|<0.01 107.8-111.0: hematitic tuff becomes more clay s 3375 108.0 109.0 altered, less red and grades into grev, strongly $\leq 0.003 \quad 0.12 \leq 0.01 \leq 0.01$ 3376 109.0 110.0 clay altered tuff as before 1.0 <0.003 0.12 < 0.01 < 0.01 -continue with irregular fracturing, bleaching M 3377 110.0 111.0 and local moderate silicification 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 altera-tion when dark grey -clay alteration varies with fracture intensity

8 HOLE: GL-84-18 NEWHONT EXPLORATION OF CANADA LIMITED PACE NO: PROJECT: GOLDEN LION MITERALIZATION ALT ASSAYS KECOVERY INTERVAL CENTIFICIAL DESCRIPTION RIN : A SP SAMPLE FROM 70 LENCIH Au Ag Pb Zn Prom To 3379 115.0 117.0 K0.003 0.16 K0.01 0.02 114.0: 1cm hematite filled fracture @ 45° 2.0 117.7: 1-3 cm red hematitic clay gouge S 3380 120.0 122.0 <0.003 | 0.12 | < 0.01 | 0.01 2.0 120.1: clay altered fracture @ 40° 121.4: clay altered fracture @ 45° 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° 3382 128.0 130.0 2.0 <0.003 0.20 < 0.01 0.01 127.5: 5mm quartz vein @ 40° 129.9: banded clay shear @ 70° 3383 132.0 134.0 2.0 0.004 0.18 < 0.01 0.01 132.1: quartz veining @ 65° 132.7: quartz veining, up to 2cm wide stained pink @ 60° 133.3: clay altered fracture @ 45° 134.7-135.2: quartz veining @ 80-90° <0.003 0.10 < 0.01 0.01 2.0 135.4: clay shear @ 60°, cut by quartz vein @ 0° S 3384 136.0 138.0 137.0-139.0: irregular belaching to pale pink 3385 138.0 139.0 < 0.003 | 0.14 | < 0.01 | 0.01 -quartz veins @ 0-30° 138.6-138.9: quartz veining and shearing @ 30° 139.0: End of Hole $\mathsf{T}\mathsf{T}$

1.2.

NEWHOLT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

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

INTEK		GEOLOGICAL DESCRIPTION	MINERALIZATION	LIA	:				ASSAY	S					1 RECO	WEX
rom	To		Z	AS	P SAME	E I	ROM	10	LENGTH	Au	Ag	РЬ	Zn	T	RIN	Ť
0	6.1	casing								† *** -	1	1		 	6.1	1 c
				111	_						 -	 	 	+	7.9	
		-very broken core and poor recovery to 15.0		111						 	 			+	10.1	4
		-continue with broken core and variable recovery			1	_					 	 	 	 	11.6	
		to 27.0		$\Pi\Pi$						 	 			+	12.2	-
		-extend casing to 15.2		111						 	 	 	 	 -	12.8	-
				$\Pi\Pi$	 			-			 	 		+-+	14.0	
5.1	96.0	Brown feldspar-pyroxene prophyry with variable		Is	S						}	 	 	 	15.5	-
		potassic/siliceous alteration, and/or propylitic					-				 	 		 	17.0	
		alteration		111							 	 		}	17.4	-
				111	 					 				+		-
		-crowded feldspar phenocrysts and fewer pyroxene		111	+	+		4 .					 	 	18.0	-
		octahedra set in a fine grained brown matrix		111	1	_					 	 	 	╂	18.6	┺-
		-much of rock shows moderate-strong pink potassic		111	1					-	 		 	 	18.9	
		alteration and silicification		111	+	•+-					 	 		 -	19.5	-
		-strongest alteration results in almost complete		111	+					 	 			 -	20.1	_
		destruction of textures		+++	+	-					 				22.9	-
		-weakest alteration appears to be overprinting a		+++	-		-				 				23.8	-
		chlorite-carbonate alteration assemblage		+++	+	+-								 -	25.6	-
				111	-	-+		-			 			├──┼	26.8	-
		-microfractures are common and can contain clay		111	1			-						 	28.4	-
		or be healed with silica		111	 		-	-						 	31.1	۰
		-quartz and quartz carbonate veining common at		111		\dashv				<u> </u>				 -	32.9	4-
		various angles, usually forming a weak-strong		111	1	+-								 -	34.4	-
		stockwork		 	 						-	-		 -	35.4	_
		-disseminated pyrite is common, varying from trace	DY	 	1	\dashv			 			-		 -	37.8	_
		in some chloritic sections to 12% in some		111	+				·			-			40.2	-
T		siliceous sections		+++	+	+-					 			 -	42.7	41

INTERVAL,	GEOLOGICAL DESCRIPTION	MI	PERALIZATIO						ASSAY	S				RECO	NEX
rom To		×		A I	SIP	SAMPLE	FROM	OT	LENCTH	Au	Ag	Pb	Zn	RUN	T
	-disseminated hematite common in chlorite or		he	$\Box\Box$	Ш									46.0	-
	weakly siliceous sections up to 5%			\prod	\prod									49	7
				$\Box \Box$										50.0	_
<u> </u>	12.0: clay gouge	Γ		S	\prod									53.0	_
	14.4: clay gouge			S	П	3386	14.0	16.0	2.0	0.006	0.14	0.08	0.05	56.	7
	14.5: minor hematite and pyrite in quartz vein	Γ	he	\Box	П									59.	1
	19.8-25.5: numerous fine irregular quartz/car-			\Box	П									62.8	
	bonate veinlets and breccia fillings			$\top \top$	П									65.8	_
	-fine fracture stockwork, often at 90°	Γ		\Box	П										ď
	20.6: purple amethyst filling in fracture			\Box	П	3387	20.0	22.0	2.0	0.006	0.17	0.01	0.04	71.0	_
				TT	П									75.0	_
	22.1: minor hematite-pyrite in quartz veinlets	Т	py		М	3388	22.0	24.0	2.0	0.006	0.37	0.08	0.05		ď
	with moderate-strong potassic/siliceous alteration	1	he	$\neg \Box$	T									81.	ĭ
	24.0-26.0: strong potassic/siliceous alteration	1			S	3389	24.0	26.0	2.0	0.006	0.19	<0.01	0.04	83./	ä
	cut by fractures with clay alteration	1		\Box	П									86.9	4
		T		\Box	П							<u> </u>		89.0	₫
	-continue in varying alteration				П									93.0	t
	-weaker potassic/siliceous alteration shows car-	1		1	ılul									96.0	ď
	bonate and chlorite alteration				Т									98.	Ť
				TT	П									102.4	┢
	28.0: begin a pattern of fine fractures and thin			$\dashv \uparrow$	\top	3390	28.0	30.0	2.0	0.008	0.17	0.01	0.04	105	1
	veinlets forming moderate to strong stockwork			$\Box \Box$	П					1		-	3.3.1	108	1
	textures	1			П	3391	32.0	34.0	2.0	0.004	0.17	40.01	0.04	111	Ì
	-irregularly distributed throught with a maximum				11					1	V.1.7		337	114.	_
	of 1.0-1.5 metre sections without stockwork			$\neg \Box$	П	3392	36.0	38.0	2.0	0.006	0.13	<0.01	0.03	117.	Ť
					П		27.7			10.000	U.13	-0.01	V-V-1	120.	╄
	28.0-38.0: moderate-strong potassic/siliceous	1	1		Ы				5					123.	1 -
	alteration		1		11									126.	8
	-massive rock cut by clay altered fractures			77	\top									129.	╆
	@ 32.9. 34.1			++	††					1				132.	t
		<u> </u>	l	++	$\dagger \dagger$			 		1				132.	-
1				-1-1-	++									139.0	4

INTERVAL	GEOLOGICAL DESCRIPTION	MI	ERALIZATION	ALT					ASSAY	rS					RECOV	ÆR'
rom To		×		AS	P SA	MPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		RUN	
	28.4: carbonate fracture filling, trace chal-	tr	сру	\Box						1					142.0	
1111	copyrite									1					145.1	
	-veining tends to be irregular and discontinuous			\Box											148.1	1
	-many very fine fractures									T					151.2	
										1		T			154.2	f
	38.0-39.0: intense potassic/siliceous alterations	4	ру	S	S 3:	393	38.0	39.0	1.0	0.004	0.14	0.01	0.04			T
	with disseminated pyrite 2-5%			\Box						1		1			160.3	
	-thin grey quartz fracture fillings @ 80°		4.12.	П	1					1		1			163.4	
	39.5-39.7: 8cm wide zone of intense potassic/		ру	S	S 3.	394	39.0	40.0	1.0	0.008	0.35	0.01	0.05		166.4	
	siliceous alteration with disseminated pyrite @ 80°		ga		-					1						
	-edges of alteration defined by fractures @ 80°		ac?	П	T					1					72.5	_
	containing quartz veining carrying pyrite, and	٠.		\Box		$\overline{}$				1					75.6	
	fine grained galena, acanthite(?)			\Box						1		 				Į
	-good stockwork for 25m above			П	1 1 2										81.7	_
									*****						84.7	_
	40.8: 1cm green siliceous vein with fine white				3:	395	40.0	41.0	1.0	0.008	0.25	0.01	0.04		87.8	
	bladed barite (?) crystals @ 25°			Π						1			1		90.8	_
	40.8-41.0: intense potassic/siliceous alteration	8	ру	S	S										93.9	_
<u> </u>	and bleaching with 8% pyrite as disseminations and														96.9	_
	in thin quartz veinlets														100.0	_
	-also very fine grey suphides in thin veinlets	22.3													203.0	_
	-pyrite fractures @ 70-80° continue to 42.0											i			206.0	
	41.7: clay fractures @ 20-30°				3:	396	41.0	42.0	1.0	0.004	0.14	0.01	0.03		208.5	_
		·							. 1		1				210.9	_
	42.3-42.4: thin grey sulphide veinlet @ 90° on		sphal		33	397	42.0	43.0	1.0	0.004	0.32	0.04	0.08	7	212.1	
	edge of core contains sphalerite, galena		ga												15.2	_
	43.0-45.0: good stockwork of quartz and quartz/		sphal		3:	198	43.0	44.0	1.0	0.006	0.14	0.06	0.04	1 5	18.2	
	carbonate veinlets cut by some clay fractures		ga py	\coprod	33	199	44.0	45.0	1.0	0.010					221.3	-
	-contains spots of sphalerite and galena			\prod												Г
	-pyrite in veinlets and as disseminations			\prod											27.4	_
				$oxed{oxed}$	⊥					T					230.4	_
				1.1									 		33.5	_

IMLEK		GEOLOGICAL DESCRIPTION	MIN	ERALIZATION					ASSAY	S					REO	WERY
Prom	То		X]		ASI	SAMPLE	FROM	10	LENGIH	Au	Ag	РЪ	Zn		RUN	7
		44.2-44.4: fracture/shear zones with green chlor-													236.	5 10
		itic alteration @ 30-40°													239.0	
		44.9: 10cm shear zone with chloritic alteration													242.0	
		@ 35°			ПТ											+-
		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	\Box				<u> </u>			<u> </u>				+
		-spots of sphalerite, galena, acanthite, pyrite		ac				1	 			 				+
		in veinlets		ру	П				<u> </u>							+-
		-disseminated pyrite in host			П	1		1	 	$\overline{}$						+-
		46.7-46.9; green chloritic/clay alteration			м	3501	46.0	47.0	1.0	0.004	0.03	0.01	0.05			+-
						1		+***		1		3.02	0.03			+
		46.9-47.5: return to strong potassic/siliceous			S	3502	47.0	48.0	1.0	0.018	0.12	0.01	0.04			+-
		alteration and quartz vein stockwork		is Barangan and La				1.5.5		1	****	3.002	0.04			+
		48.4-48.9: quartz veinlets/fractures @ 80°				3503	48.0	49.0	1.0	0.008	0.15	<0.01	0.05			+
					Π			+		1	00.25		0.03			+-
		50.1: start strong stockwork with intense			100	3504	49.0	50.0	1.0	0.006	0 11	<0.01	0.05			+
		potassic/siliceous alteration				1-22-	1	True V	1.0	10.000	V-11	-0.01	10.031			+
		50.4-50.7: quartz-carbonate vein with considerable		sphal	S	3505	50.0	51.0	1.0	0.010	22 /0	0.07	0.10			+-
		dark grey sections due to very fine grained sul-		ga?		1	10.0	1		10.014	12.43	V.V/	0.19			┼-
		phides - sphalerite galena		ac				1	 	†	 	 				+
		acanthite		DV			 	†	 	 		 				+-
		-pyrite trace chalcopyrite in quartz		CDV	\Box			 		1						+
				~~~				1		-	<del></del>	<del></del>			<del></del>	+
								<b>—</b>	<del></del>	+	<del>                                     </del>	<del>                                     </del>		-+		+-
	34					1		+	<u> </u>	<del>                                     </del>	<del></del>					┿
		-green chloritic alteration associated with grey				<b>†</b>	<del>                                     </del>	+	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>			<del></del>	+-
		mineralization and infractures			$\Box$	<b>†</b>		<del>                                     </del>			<del> </del>		<b></b>			+
		50.7: 8cm section of argillically altered por-			м		<del>                                     </del>	1		<del> </del>		<del> </del>	<del> </del>		-+-	+
		phyry: green feldspars in a purple matrix			$\sqcap$	<b>†</b>	<del>                                     </del>	<del>                                     </del>		<del>                                     </del>		+			<del></del>	+-
		50.8: pink potassic/siliceous alteration with		he	SS	1	<del>                                     </del>	+	<b> </b>	<del> </del>		<del> </del>			<del></del>	+-
		pyrite and grey quartz stringers carrying hematite		ga	HŤ		<del>                                     </del>	<del> </del>		<del> </del>	<del>                                     </del>					+
		and some galena, acanthite		ac	111	<del>1</del>	+	+		+						4_

NTERV	AL	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	ALT	<del></del>			ASSAY	8					T R	ECOVE
0001	То	-moderate to strong fine stockwork	X			SAMPLE	FROM	OT	LENCTH	Au	Aφ	Pb	Zn	-	RU	
		51.6-15.8. red hematitic quartz vein with 10-127	_			3506	51.0	52.0	1.0				0.75		<del></del>	-
		disseminated pyrite and fine grained grey sulphites						12.0		10.000	11-74	$\mu$	10-73			+
		@ 90°		-				<del> </del>		<del>                                     </del>		<del> </del>	<b></b>			$\dashv$
		-irregular fractures and clay						1		<del>                                     </del>		<del>                                     </del>	1			-
7		52.1: thin grey sulphide veinlet 060°				3507	52.0	53.0	1.0	0.010	0.20	1 16	1.86	$\rightarrow$		-+
				-		- 1.00	12.11.	111.11		10-014	11.79	1.10	1-00			-
		-continue in stockwork of broken veinlets carrying		sphal	ss			+		<del>                                     </del>		-				-+
		sphalerite-galena-pyrite-acanthite in potassic/	_	ga				1				<del> </del>	1		<del></del>	-
		siliceous alteration	_	ac				1		1			<del>                                     </del>			$\dashv$
		-some clay in fractures		DV				+		<del>                                     </del>			<del>  </del>			-
				-	11					_		<del> </del>				-+
		52.8-53.0: strong veining with massive sphalerite		sphal						<del>                                     </del>		<del>                                     </del>	t			-+
		calena-pyrite		ga	11									-+		-
		-acanthite in quartz/carbonate veinlets		ac	11			1		<del>                                     </del>		<del>                                     </del>	1		<del></del>	-
	. :	1			11			+				<del>                                     </del>	1		<del></del>	-+
					++			1	<u> </u>	+				-+		-
								<del>                                     </del>		<del> </del>		<del> </del>	<del>                                     </del>		-+	-+-
		53 2-53 3: similar veining to 52.8, controlled		sphal	11	3508	53.0	54.0	1.0	0.008	0.25	0 52	1 15	<del></del>		-+-
		at end by 35° veinlet		ga	11	3300	33.0	37.0		0.000		10.32		<del></del>		-+-
					11			1		1		<del></del>	<del>                                     </del>			-
		-other veining @ 80-90°, cut by younger veining		pv	11			-	<del></del>	<del>  </del>		<del></del>	+			
		@ 0-10°			+			1								+
					$\top$								<del>                                     </del>			-
		-continue with silicification/veining and spotty		sphal	Б			1		<del>                                     </del>			<del>                                     </del>			$\dashv$
	9	sphalerite/galena	$\neg$	ga	$\top$			1					<del>                                     </del>	-+		-
$\perp I$	17	-disseminated pyrite through host		ру	$\top$			1				<del></del>	<del>                                     </del>			$\neg +$
					71			1		11			<del>                                     </del>			-+-
		54.1: massive quartzose section 5-10 cm wide			$\top$	3509	54.0	55.0	1.0	0.008	0.31	0.36	0.27			-+
		with only minor sulphides			777			1								-+
		54.3: silicification and veining with lcm clay			$\top$			1		t			<del>                                     </del>			-+-
		fracture @ 30-40°, all with minor sulphides			+			1		<del>                                     </del>	<del></del>	<del> </del>	<del>                                     </del>		<del></del>	

INTEX	VAL.	GEOLOGICAL DESCRIPTION	MI	ERALIZATION	AL	I	T			ASSA	rS						RECO	W.B.
rom	To		X		A B	P	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	2n			RUN	Ë
		54.5: continue in stockwork and notassic/silic-			П	Т						T				-		<u> </u>
		eous alteration but irregular sections are of			П	Т			1									T
		purple hematitic and argillically altered porphyry			П	Т												┢
		55.2: quartz vein/clay fracture with aphalerite.		sphal	П	T	3510	55.0	56.0	1.0	0.004	0.10	0.73	0.24				t
7		galena @ 65°		QA.	$\Box$	Т			1		1	1	1					t
						1			<del>                                     </del>		<del>                                     </del>		<b></b>					t
		-continue stockwork and variable alteration with				1			1		1							t
		spotty mineralization				1			<del>                                     </del>		<del>                                     </del>		<del>                                     </del>	<del> </del>				t
					$\vdash$		<del>                                     </del>						<del>                                     </del>	<del>                                     </del>	<del>                                     </del>			t
		55.7: 4-5 cm quartz vein with mineralization				+					†	<del>                                     </del>	<del>                                     </del>	<del> </del>	-			t
		0 45°				$\top$		<b></b>	<del>                                     </del>		†			<del> </del>	<del>                                     </del>	-		t
					H	T		<del>                                     </del>	<b>—</b>		<del>                                     </del>	<del> </del>	<del>                                     </del>	-	<del>                                     </del>			t
		56.2: 1cm quartz vein, trace sulphides, @ 25°				1	3511	56.0	57.0	1.0	0.004	0.16	0.02	0.12				t
					$\vdash$	$\top$		20.0	177.0		D.004	10.10	10.03	W-12				t
		-continue in well fractured rock dominantly brown			MT.	T	3512	57.0	58.0	1.0	0.022	0.28	0.03	0.04	1			t
		porphyry with argillic alteration from 56-58, but			$\sqcap$				10.0		V.VZZ	0.20	1.0.03	10.09	$\vdash$			t
		still cut by veinlets carrying sparse mineraliza-				Т					<del>                                     </del>	t —			<b>-</b>			t
		tion			$\vdash$	1			<del> </del>		+	<del> </del>	<del>                                     </del>		-			H
					T				<del>                                     </del>		<del>                                     </del>	<del> </del>			<del>                                     </del>	-		۲
		58 0-58 3. near massive quartz with spotty			k	1	3513	58.0	59.0	1.0	0.010	0.81	0.03	0.14		$\overline{}$		r
		mineralization			Н	$\top$	333		3,.0		0.010	V.U.	0.03	0.14				۲
		-contact @ 45°									<del>                                     </del>							۲
	1.8	59.1: sharp contact between potassic and argillic				Т	3514	59.0	60.0	1.0	0.004	0.18	0.07	0.17	<del></del>	$\overline{}$		H
		alteration @ 25°	$\neg$		П	П			1		1	0,1.0		· · · ·				۲
		59.5-59.7: broken quartz veins with sphalerite	7	sphal	М	М					1		<del>                                     </del>					H
	1.1	and galena in irregular potassic/siliceous		ga		П					<del>                                     </del>					<del></del>		۲
		alteration			$\top$	Ħ					1							H
		60.0: 5mm quartz vein @ 5°				П	3515	60.0	61.0	1.0	0.006	0.04	0.03	0.06				r
		60.4: sharp 60° contact on clay fractures between				П			1		1	1000	0,00	0.00				۲
$\Box$		argillic and potassic alteration	T		М	П					1		<b></b>			<del></del>		۲
		-move in strong potassic/siliceous alteration with	2	sphal	Т	П					+		<del> </del>					۲
I		quartz vein stockwork carrying spotty sphalerite		ga		П					+	<u> </u>	<del>                                     </del>	<b></b>	<del></del>			۲

DITERVAL	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT				ASSAY	S						<b>ACCOONE</b>	<b>ERY</b>
roun To		X		ASI	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		R	N	7
	and galena, 10-15% disseminated pyrite		DΥ		1										$\Box$	_
																_
	-continue through constantly changing argilli			Ш	3516	61.0	62.0	1.0	0.004	0.18	0.03	0.03				_
	to potassic alteration							<u> </u>								_
	-fractured with stockwork veining		sphal												$\Box$	_
	-spotty galena/shalerite		28	$\Pi$												_
	-disseminated pyrite		DV	П												_
																_
	62.6-62.8: good quartz veining with sphalerite				3517	62.0	63.0	1.0	0.010	0.11	0.10	0.09				_
	and galena			П	15										$\neg$	_
	63.5-64.0: quartz stockwork with yeins carrying	-		П	3518	63.0	64.0	1.0	0.006	0.15	1.30	3.78				-
	coarse sphalerite and galena @ 80-90°			ПТ	1										$\neg$	•
	LUAL BE SUITALE AND ESTENA F UN 70			H	1	-									$\neg$	•
	-strong green montmorillonite alteration in	<u> </u>		H	1										_	•
	feldspars	_		$\vdash$	1											*
	TEIGSDATS	_			1.			<del></del>							$\dashv$	-
	-continue in constantly changing alteration and	_		HH	<del>                                     </del>		1		_						$\neg$	-
	stockwork			HH	<del>                                     </del>		$\vdash$		<del>                                     </del>						-+	•
	SECCROOFR			1	<del>                                     </del>				<del>                                     </del>			-			-+	-
	64.5: clay shear @ 65°			HH	3519	64.0	65.0	1.0	0.012	2 12	0.10	2 25			-+	-
	ha.s: clay shear @ hs	_	py	HH	1214	04.17	102-01		10.014	11.1.1	0.10	10.75	-		-+	-
	65.0-66.2: strong siliceous stockwork, well	-	ny	┝┼┽	3520	65.0	66.0	1.0	0.013	0.11	0 02	0.06	-		-+	-
	fractured, disseminated pyrite, minor sphalerite.		snhal	H+	1-3324	63.0	1-00-4		14.44	<u> </u>	11.112	Lu-no-			-+	-
<del></del>	galena	_	enna i	111	<del> </del>		1		<del> </del>						-+	-
	-finish in 65° clay fracture and lcm quartz vein	_	ga	H +	<del> </del>		<del>  </del>		-						-+	-
		-		H +	+		<del>                                     </del>								-+	-
	followed by brown porphyry			++	<del> </del>		1	-	1						-	-
	-continue in brown porphyry with changing potassic			++	3521	66.0	67.0	1.0	0.006	0.10	0.00	000	<del></del>		-+	-
	alteration adjacent to quartz/carbonate veining	-		++	1.1361	nn.u_	<del>  ^~~~</del>		<del>  11.1111</del>	U-13	3	0.03			-	-
<del></del>	carrying minor mineralization			H +	3522	67.0	68.0	1.0	0.000	0.16	0.00				$\dashv$	-
	Carrying minor mineralization			++	1322	67.0	DK-0		0.020	11.16	0.02	0.00			-+	

PROJECT: GOLDEN LION HOLE: GL-84-19 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: INTERVAL GEOLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS RECOVERY Prom A S P SAMPLE LENCIH Au FROM D Pb Zn RUN 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  $\Pi$ -numerous thin grey sulphide veinlets 69.9-70.8: brown porphyry 70.8-71.5: strong silicification and quartz s 70.0 71.0 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 3531 76.0 77.0 1.0 0.008 0.23 0.41 coarse sphalerite, galena ga 3532 77.0 78.0 0.018 0.20 0.25 0.91 1.0 -clay fractures @ 45° 78.1-78.3: quartz veins @ 30-45° carrying some Is Is 3533 78.0 79.0 0.004 0.100.13sulphides -within a potassic/siliceous zone 78.7-78.8: sulphide veinlet @ 85°  $\mathbf{I}$ 79.0-79.2: brown porphyry cut by quartz veinlets 3534 79.0 80.0 1.0 0.004 0.16 0.05 @ 30° with pink potassic selvages up to 10 cm wide -younger quartz veinlets @ 80°

INTERV	AZ	GEOLOGICAL DESCRIPTION	MD	ERALIZATION	TAT	Ŧ				ASSA						 112000	
TATEVA	To		Z				SAMPLE	FROM	170	LENCTH						 KECO	¥E
100	10		<u>^</u>	sphal	rp.	+	3535				Au	Ag	Pb	Zn		 RUN	╀
		80.4: 1-2cm quartz vein with coarse sphalerite-	-		₩	+-	3232	80.0	81.0	1.0	0.004	0.20	0.05	0.19		 	1
		galena-chalcopyrite @ 65°, followed by strong pink potassic/siliceous/pyritic selvage with more	_	ga	╂╂	+					<del> </del>				+	 	ļ
+		quartz veinlets and minor sulphides	_	сру	╁╁	Н					<del> </del>					 	1
					H	님	2526	01 0	100 0	1.0	0.006	0 10	0.00	2 26		 	1
		81.6-82.9: strong silicification and potassic	-	ру	l P	18	3536	81.0	82.0	1.0	0.006	0.13	0.03	0.26		 	Ļ
-+		alteration with disseminated pyrite		sphal	Н	#1	0503	00.0	100 0		0.000					 	1
		-quartz veins carry sphalerite and galena		ga	Н-	Н	3537		83.0	1.0	0.008					 	Ţ
		-clay altered shears @ 10° & 80°	-		Н.	Н	3538	83.0	84.0	1.0	0.006	0.11	0.03	0.06		 	ļ
		la	_		Н.	Н			1							 	T
		84.0-87.0: dominantly brown porphyry with few			Н	H	3539	84.0	85.0	1.0	0.004	0.08	0.05	0.07		 	T
		veinlets, fractures at irregular angles	_		Н.	Н										 	l
		87.0: return to irregular, moderate to strong	_		ĻM.	ΙМ	3540		86.0	1.0	¢0.003						I
		potassic/siliceous alteration and stockwork			Н	Н	3541		87.0	1.0	0.012					 	I
					Н	Н	3542	87.0	88.0	1.0	0.008	0.15	0.03	0.06		 	Γ
18.0		Strong potassic/siliceous alteration in brown	_		Ш	Ц											Γ
	·	feldspar-pyroxene porphyry			S	S	3543	88.0	89.0	1.0	0.012	0.11	0.02	0.51			Γ
		-moderate-strong quartz vein stockwork, often			Ш	Ш											Г
	<u> </u>	carrying sphalerite and galena			Ш	П											Γ
-+					Ш	Ш											٢
		88.9: quartz veins @ 45°		<u> </u>		П	<u> </u>										Γ
		89.0: strong clay altered shear @ 75°			s	П	3544	89.0	90.0	1.0	0.008	0.013	0.02	0.05			٢
		89.3: 1-2 cm quartz vein with sphalerite and	$\Box$	sphal			9.50										Γ
		galena @ 0-20°, followed by clay shears @ 0-20°		ga	Ш	$\Box$											Γ
					Щ	$\Box$											Γ
		-continue in strong potassic/siliceous alteration		ру	S	s							1				Γ
		with disseminated pyrite			Ш											 	Γ
		-numerous fractures with clay		sphal	S	П	3545	90.0	91.0	1.0	0.006	0.07	0.02	0.08		 	Γ
		-strong stockwork/breccia with disseminated pyrite		ga		П											Γ
		sphalerite-galena to 90.9		ру	П	Ц											Γ
-+-			_		Ш	Ц											Ĺ
		90.9-92.7: intense pink potassic alteration			LL	Is			1								Г

					·					10011							RECOV	230
INTERVA		GEOLOGICAL DESCRIPTION		ERALIZATION	A1		-			ASSAY			· -:-				UN	_
rom	To		X		A S		SAMPLE	FROM	TO	LENCIH	Au	Ag	РЬ	Zn	+		<u> </u>	┞
	7.7	91.3-92.3: sphalerite and galena in quartz		sphal	Н	Н	3546	91.0	92.0	1.0	0.012		0.62		├──┼			⊢
		veinlets at varying angles	L	ga	11	$\perp$	3547	92.0	93.0	1.0	0.010	0.09	0.04	0.44		<del></del>		⊦
		93.0-95.2: brown porphyry with numerous frac-	L_		Ц.	$\perp$					1		100.01	0.00				₽
	1	tures			Ш	1	3548	93.0	94.0	1.0	<0.003	0.08	20.01	0.02				L
					ш						1				<b>⊢</b> —ŀ			L
		93.6; thin fine sulphide veinlet @ 90°					3549	94.0	95.0	1.0	₹0.003	0.06	∠0.01	0.02				L
					Ш	$\perp$												L
		95.2-95.9: bleached porphyry, weak potassic/			W	V W	3550	95.0	96.0	1.0	0.003	0.06	0.01	0.02				L
		siliceous alteration			П										-			L
		-moderate chlorite alteration			$\prod$	Т												L
		-well fractured			П	Т												L
		WEIT ITECTURE			П	7							I					Ĺ
06 0 1	17.0	Chlorite alteration in feldspar-pyroxene porphyry			П	-												Г
30.01	1/.14	-dark green fine grained matrix with green-grey	1		П												5	Γ
		feldspar-pyroxene phenocrysts			П													Γ
		-chlorite is the pervasive alteration but grey		<del>                                     </del>	П	$\top$	3551	96.0	97.0	1.0	-0.003	0.06	<b>∠0.0</b> 1	0.02	$\Box$			Γ
		siliceous zones and some pink potassic/siliceous	_		H	+	-	,,,,,,										Γ
		zones around veins, still common		t	Ħ	+	3552	97.0	98.0	1.0	0.004	0.04	0.02	0.06				Г
		Zones Around Verns, Strir Common	_		H	+	3000	-										
-+	-	98.4: thin sphalerite-galena veinlet @ 20-30°	_	sphal, ga	T	$\top$	3553	98.0	100.0	2.0	₹0.003	0.00	40.01	0.09				Γ
		99.0: clay fractures @ 40°		30113A	$\forall$	+	3333	,,,,,										Γ
		99.0-100.0: good carbonate stockwork	1		11	1						:				**		٢
	-+	100.6-100.7: pink carbonate veins with minor		sphal	11	1	3555	100.0	101.0	1.0	20.003	0.04	0.20	0.20			$\neg$	Γ
		sphalerite, galena, chalcopyrite		ga	#	$\top$	72.7		1									٢
	+	Spharetite, Valena, Charcopyrite		CDY	11	+	3556	101.0	102.0	1.0	∠0.003	0.0	0.07	0.04				Γ
	-	-continue in chlorite alteration with numerous	1	1 3 5 7	††	1	7					1 1						٢
		fine carbonate fractures	1		11	+	3557	102.0	103.0	1.0	20.003	0.0	<0.01	0.03				Γ
	-	Time Calbonate Hactures			††	+	7.77							1				٢
-+		104.4: clay alteration in 80-90° fractures			6	1	3558	103.0	104.0	1.0	0.010	0.0	20.01	0.02			$\neg \neg$	٢
		104.4: Clay afteration in ou-50 fractures	<del>                                     </del>		*†	+	7770		1		1		1	1		_	_	٢
			+-	-	kt	+	3559	104.0	105 0	1.0	0.020	0.1	0.10	0.47	<del>                                     </del>	$\neg \neg$		r
	$\longrightarrow$	104.7: strong clay alteration	+		₽+	+	3239	104.0	1102.0	1.0	10.020	V.1	7.13	+ ~ /	<del>+</del>			į

INTER	VAT	GEOLOGICAL DESCRIPTION	MO	ERALIZATION	ALT	<del></del>			ASSAY								=
rom	To	destaticae destati 1100	X			SAMPLE	FROM	10	LENCIH	Au	Αq	Pb	Zn	- τ		RECO	/EXC
		104.8-105.0: coarse carbonate/quartz veining		sphal	<del>~ }</del>				22000	- Au	-AX	I FB	1 211		<del> *</del>	un	⊢
	<u> </u>	with sphalerite and galena		ga	11	+	<del> </del>			-		<del> </del>	<del> </del>	<del></del>	<del></del>		⊢
		105.4: silicification and clay gouge			мм	3560	105.0	106.0	1.0	0.006	0.00	0.02	0.07		<del></del>		-
		105.5-106.0: weak silicification and stockwork			W	12200	100,0	1100.0	1.0	10.000	0.50	0.03	10.07		<del></del>		⊢
		106.8-109.3: moderate silicification and stock-	_	sphal		3561	106.0	107.0	1.0	0.010	5 40	0 02	0.09	<del> </del>	<del></del>		۲
		work grows to strong potassic/siliceous stockwork		ga	۲۲,	7 2201	1.00.0	1207.0	1.0	10.010	3.43	0.02	0.03	<del>                                     </del>	<del></del>		⊦
		-disseminated pyrite		- Ka	++	3562	107.0	108.0	1.0	0.024	1 00	0 77	2 26				H
		-minor aphalerite-galena in quartz/carbonate plus			++	3563	108.0			0.024					<del></del>		⊦
		chlorite veins			++	3564	109.0			0.020							H
		107.8-1-8.1: quartz/carbonate plus chlorite	_		++	13304	109.0	1110.0	1.0	FU.003	0.10	0.09	0.03				۲
		veining with coarse sphalerite/galena, some clay	$\dashv$		++	<del> </del>	<b></b>	<del>  </del>		1		<del> </del>					۲
_		ventring with coarse sonateritie/gatena, some cray			++	<del> </del>	<del></del>	<del>   </del>		1		<del> </del>			$\longrightarrow$		۲
		-return to brown porphyry with variable alter-	$\neg$		++	<del> </del> -		<del>                                     </del>		├		<del> </del>			$-\!\!\!\!-\!\!\!\!+$		۲
		ation	-		++	<del> </del>				<del>                                     </del>		<del> </del>	-		<del></del>		۲
		110.9-111.0: silicification with fine veinlets	$\neg$		ᄴ	3565	110.0	111 0	1.0	0.020	0.10	0 12	2 50		<del></del>		-
		and coarse sphalerite-galena	-		- <del>17</del> +		111.0	1117.4	1.0	0.020	0.12	0.13	0.56				-
		111-1: clay fractures 6 70°	$\dashv$		++	13300	1111	112.4	1.0	10.022	0,12	0.03	0.11				_
		112.0-112.5: chlorite alteration around shear	~		++	3567	112.0	112 0	1.0	0.032	0.15	0 00	0 10		+		_
$\neg$	1	ZONE	$\neg$		++	1330/	112.0	113.4	1.0	0.032	0.13	0.03	0.13				_
		-shearing and carbonate veing 0 45°	-		++	<del> </del>		<del></del>		<del>                                     </del>		<del> </del>			<del></del>		_
$\neg$		112 5-115 0: shearing followed by moderate to	7	sphal	$\mathbf{k}$	<del>                                     </del>	<u> </u>		<del></del>	<del>  </del>		<b> </b>			$-\!\!+$		_
		strong silicification.		ga	81	<del> </del>				<del>  </del>				<del></del>	<del></del>		_
		-quartz and quartz carbonate veining with minor	$\neg \dagger$	84	11	<del>                                     </del>		<del></del>	<del></del>	<del>                                     </del>							_
		sphalerite and calena	$\neg$		++	<del>                                     </del>				<del>                                     </del>					$-\!\!\!\!+$		-
		112.9-113.4: intense silicification with	_	sphal	6	3568	113.0	114.0	1.0	0.040	0 16	0.78	0.71				-
		disseminated sphalerite-galena-chalcopyrite-	$\dashv$	ga	71	1330	2230			0.070	-0.19	0.70	0.71	<del></del>	<del></del>		-
		pyrite	$\overline{}$	CDY	+					<del>                                     </del>				<del>+</del>			-
		-total sulphides up to 30%	_	ру	++	1				<del>                                     </del>					-+	<del> </del>	-
$\neg$		113.8: galena-sphalerite-chalcopyrite-pyrite	_		11			-		<del>                                     </del>			<del></del>	<del>}</del>			_
		veining			++					<del>  </del>				<del></del> -	<del></del>		-
		113.9: quartz veins @ 50°	_		+	<del>                                     </del>				<del></del>			<del>  </del>				_
		-disseminated pyrite through host	_		++	†				<del></del>							-

HOLE: GL-84-19 NEWHONT EXPLORATION OF CANADA LIMITED PROJECT: GOLDEN LION PAGE NO: 12 INTERVAL GEOLOGICAL DESCRIPTION MIRERALIZATION ALT ASSAYS RECOVERY From A S P SAMPLE FROM LENCTH Pb Zn RLIN Au Ag M 3569 114.0 115.0 -continue to 115 in irregular silicification ga 0.008 0.09 | 0.07 | 0.08 1.0 with veinlets carrying disseminated galena. sphal sphalerite, trace chalcopyrite СРУ -5 - 10% pyrite through host rock ру -host becomes more chloritic towards end of zone 115.4-116.5: hematitic stain across the chlorities 3570 115.0 117.0 2.0 0.008 0.07 40.01 0.02 alteration 116.0: clay shearing @ 50° with some silicifica-M tion, veining and pyrite  $\Pi$ 117.0 149.0 Shear Zone -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 M M 3571 117.0 118.0 0.020 0.16 0.11 0.07 1.0 alteration with disseminated pyrite ga -quartz veining carries galena/sphalerite and sphal pyrite -shearing cuts across silicification @ 45-50° 119.0: begin continuous shearing foliation SI ] 3572 118.0 120.0 0.014 0.10 0.03 0.11 2.0 except for local silicification t potassic zones -thinly laminated green-brown clay foliae @ 70-75° -weakly disseminated pyrite -becomes contorted with siliceous knots and veinlets

DYTEXVAL.	GEOLOGICAL DESCRIPTION	1 1/6	TO AT TO ATTO	1 41=											
on To	doddich uskirius		PRALIZATION	ALT		· · · · · · · · · · · · · · · · · · ·		ASSA	rs					KE00	XER
	121.4-121.7: siliceous and veined zone with	X			SAMPLE	FROM	TO	LENCIH	Au	Ag	Pb	Zn		RUN	T
	disseminated purity and being zone with		ру	M	3573	120.0	122.0	2.0	0.010	0.13	0.03	0.07		$\neg$	1
	disseminated pyrite cut by irregular clay fractumes 122.3-122.5: as at 121.4	-		++											+
	122.3-122.3: as at 121.4	_	ру	$\sqcup \bot$	3574	122.0	124.0	2.0	0.010	0.05	0.08	0.34			+
				Ш	1						1	1		$\overline{}$	+
	return to contorted chlorite-clay shears with a	_		s					1						+
	strong direction @ 90°	_		Ш					1						+
-+-	-irregular quartz/carbonate veinlet fractures	_		Ш										<del></del>	t
	124.0-124.2: silicification and quartz veining	_	ру	M	3575	124.0	125.0	1.0	0.008	0.17	0.60	1.51	<del></del>	<del></del>	+
	with disseminated pyrite	· .		Ш					1						+
	124.7-124.8: edge of quartz vein, just cut by		shal											+	+
<del></del>	core containing sphalerite-galena-chalcopyrite		ga								-			+	╁
	and 10-12% disseminated pyrite		ру						1					<del></del>	╁
	124.8-125.0: partial shearing and partial			WV	1									+	╁
	silicification			П										1	t
	125,0-127.0: moderate to strong silicification	8	DV	s	3576	125.0	127 0	1.0	0.014	0.20	0.06	0.00			ļ
	with some potassic alteration, disseminated			Ť	3370	123.0	127.9	1.0	0.014	0.20	0.00	0.20		4	╄
	pyrite throughout 5-12%			++					<del>  </del>					+	╄
1 2 2 2 2	125.4-125.7; strong silicification and veining		sphal	s			<del>                                     </del>		<del>  </del>	<del></del>				+	L
	galena-sphalerite-pyrite	1	ga, py	71			++		-					4	L
	126.8-127.0: breccia zone with quartz/pink car-	11.	ga, sphal	s			<del>   </del>		<del>  </del>					4	L
	bonate matrix carrying galena, sphalerite.	- 1	CDV Spirat	ᆉ			<del>}}</del>		<del>                                     </del>					+	L
	chalcopyrite, pyrite		DY	11-		<del></del>	<del>                                     </del>							+	L
				$\top$											-
	127.0: strongly sheared, clay and chlorite			s	3578	127.0	120 0	1.0	0 000						_
	altered section with broken quartz/carbonate				7570	127.0	120.4	1.0	40.003	0.10	0.03	0.04		+	L
	veinlets and fragments	4.0		++			-		<del></del>					+	⊢
	-shearing @ 50°			11			<del></del>		<del>                                     </del>					+	_
	127.7-128.8: moderate-strong silicification	_		5	3579	128.0	130 0	2.0	0 002	0.00				+	L
	-preserves textures of fine grained version of the	7		1	22/2	140.0	130.0	2.0	<b>40.003</b>	0.08	20.01	0.03		1	_
	porphyry	7		++											
	-weaker irregular silicification continues to 130.8	_		++					<b></b>						L

DVIEK	/AL	GEOLOGICAL DESCRIPTION	MITERALIZATION	IAI	τl				ASSA	ve					1.05	~~~
rou	To		X I			SAMPLE	FROM	TO	LENGTH	<del></del>	1	Pb	T = .	T-T	RUN	COVER
100		130.8-139.0: intense shearing and clay alteration	<del></del>	6		3580	130.0			0.006	Ag O 1/		Zn	┼──┼	- Inun	┿
		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		-11	++-	2200	130.0	1172.0	2.0	10.000	10.14	-0.01	10.02	╂╼╼╌┼╌	<del></del>	+
		130.8: contopted shears often @ 30° or 90°	<del>-  </del>	-++	††;	3581	132.0	134 0	2.0	-0.003	0 11	0.02	0 11	<del> </del> +		+
		-broken quartz/carbonate vein fragments		71	1	<u> </u>	132.0	1254.0	2.0	F0.00.	10.11	10.02	10.11	<del>                                     </del>		+-
		134.0: 10cm quartz veining with 8-10% pyrite		11	11			<del>                                     </del>		+	<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>  -</del>		+
				$\dashv \uparrow$	11			-		-		<del>                                     </del>	<del> </del>	<del> </del>		-+-
		-continue intense shearing @ 50° with recessive		s	++					<del>                                     </del>		<del> </del>	<del> </del>			
		clay laminae		71	+				<del></del>	+	<del></del>		<del>                                     </del>	<del> </del>		╌
		-many thin irregular carbonate veinlets		11	11					<u> </u>		<del>                                     </del>	<del> </del>	╆╼╌┾╴		┿
				11	<del>                                     </del>					+	<del> </del>	<del> </del> -	<del> </del>	<del></del>		+
		138.0-139.0: strong clay shear @ 80-85° plus		6	$\Box$		<del></del>			<del> </del>				<del>                                     </del>		
		crosscutting shears	····	-11	11			<del>                                     </del>		+		<del>├</del> -	<del>}</del>	┝╼┼		
. ]				11	++				<del></del>	+		<del> </del>	<del> </del>	<del> </del>		+
		-continue with fine grained version of brown		ᄴ	11,	3582	139.0	1/1 (	2.0	40.003	0.14	10 03	-	$\vdash$		+
	1.7	porphyry but cut by clay fractures @ 80°		-11	++-	2.702	139.0	147.4		נטעטין	0.14	<u>ko.or</u>	10.01	<del> </del>		+
		140.3-140.4: carbonate/quartz vein with minor		++	++-				<del></del>	+		<del> </del>		<del></del>		┿
		sulphides		++	++-			-		+		<del> </del>	<del>                                     </del>	<del>                                     </del>		-
				++-	++-			-		<del>                                     </del>			<del> </del>	<del></del>		+
_ 1		-continue in clay/chlorite altered fine grained		М	113	3583	144.0	46 0	2.0	≥0.003	0 12	0 01	0.01	<del></del>		+
		porphyry		11	tt-		144.0	140.0	2.0	F0203	0.12	20.01	0.01	<del>                                     </del>		
		-continue prominent shearing to 144.5		++	++			1		<del>  </del>		<del> </del>	<del></del>	<del></del>		┿
		-shearing then becomes less intense but rock is		м				<del>                                     </del>		1		<del> </del>	<del> </del>	$\vdash$		+-
		still fractured and clay altered		17	11-					<del>  </del>				<del>                                     </del>	<del></del> -	+-
		-shears @ 60-70°		$\top$						t t	_	<del> </del>				┿
										1		<del> </del>	<b></b>	<del></del>		+-
	11.11	148.0: 7cm quartz/carbonate plus chlorite vein		11	1 3	3584	148.0	150.0	2.0	<0.003	0 12	40 01	0.01	<del> </del>		┰
		in broken core			11			-		10000	V.12	<del>-0.01</del>	0.01			+-
		-gradual transition to less fractured altered rock		$\top$								<del> </del>				┰
	100	-end strong shearing @ 149		$\top$	$\sqcap$					<del>                                     </del>				<del></del>		╌
	12.14			$\top$	$\sqcap$					1					<del></del> -	+
T	1.0			$\top$	$\vdash$				<del></del>	t		<u> </u>				+

PROJECT: COLDEN LION HOLE: GL-84-19 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 15 DYTERVAL CEDLOGICAL DESCRIPTION MINERALIZATION | ALT ASSAYS RECOVERY From To ASP SAMPLE FROM LENCIH Au RLN ... Pb Zn 149.0 242.0 Fine grained version of brown porphyry with green propylitic alteration  $\top$ -fine feldspar and mafic crystals, with chloritecarbonate alteration -matrix is very fine dark green or locally greyish due to carbonates -numerous fractures with red hematitic clay 152.0 154.0 2.0 <0.003 0.14 < 0.01 0.01</p> alteration at many angles 3586 -some carbonate/quartz veining but no sulphides 156.0 157.0 <0.003[0.14 < 0.01 0.01] -minor disseminated hematite in host 159.8-160.0: 5-6cm quartz/carbonate vein @ 45° s 3587 159.0 160.0 <0.003 0.14 < 0.01 0.01 within a zone of veining and clay fractures 160.0 161.0 <0.003 0.10 < 0.01 0.01 -minor pyrite on vein 160.5: clay fractures @ 60° followed by zone of S quartz-carbonate veining and clay fractures to 161.0. -weak chloritic alteration -trace chalconvrite 162 0-162 6: irregular, moderate potassic-M M 3589 162.0 165.0 1.0 < 0.003 | 0.04 | < 0.01 | 0.01siliceous alteration with minor carbonate/quartz veining and minor pyrite in veins 163.2: clay fractures @ 90° s I I 163.8-164.0: moderate-strong silicification and potassic alteration with disseminated pyrite -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 sphal 3591 169.0 171.d <0.0030.12 < 0.01 0.01 with minor sphalerite-galena-chalcopyrite 3592 173.0 174.d 1.0 <0.003 0.12 | 0.03 0.05</p>

		CT: GOLDEN LION IOLE: GL-84-19 NE		100								PACE		16			
INTERVAL		CEDILICAL DESCRIPTION	MIN	ERALIZATION	AL	ſ				ASSA	rs					KECO	THE
rom	To		X		A S	P	SAMPLE	FROM	70	LENCTH	Au	Ag	Pb	Zn		RUN	Ϋ́
		-continue in fine grained brown porphyry with					3593	175.0	177.0	2.0	<0.003		-0.01	0.01	<del>                                     </del>	1	╈
		weak-moderate propylitic alteration			$\perp$	$\coprod$							1				+
		-numerous carbonate fracture and breccia fillings			$\Box$						1			<b>—</b>	<del>                                     </del>	1	t
		and veinlets				П	-						1		1	<del>1</del>	+
		179.4: 4 5cm green clay altered zone @ 50-55°			s	П	3594	178.0	180.0	2.0	<0.003	0.1	240.01	0.01	<del>                                     </del>	+	†
						П					1		1	1	<del>                                     </del>	+	+
		182.4: clay altered fractures with quartz/car-			s	П	3595	182.0	184.0	2.0	<b>40.003</b>	0.20	K0.01	0.01		+	+
		honate veining @ 60°			$\Box$	П					1	1	1	† <del>***</del>	<del>                                     </del>	+	†
		183.8: moderately siliceous zone of quartz/car-			М	П					<b>†</b>		<del>                                     </del>	<b>!</b>	<del>                                     </del>	+	+
		bonate veinlets and clay fractures @ 0°				П						<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	+	t
		187.0-191.5: red hematitic stain			11	$\sqcap$	3596	186.0	188.d	2.0	∠0.003	0.16	40.01	0.01	<del>                                     </del>	+	+
		-many fractures			П	П				7	12 01000	<u> </u>		0.0.	<del>  </del>	<del> </del>	+
		191.6: 1 cm clay shear @ 45°			s	П	3597	190.0	192.0	2.0	≥0.003	0.08	20.01	0.01		+	+
		192.8: 1 cm clay shear @ 55°			s	П			1 2 2 3 3		1 0000	0.00	1	0.01	<del></del>	+	+
L_		193.7: siliceous fractures and quartz/carbonate			м	$\sqcap$				······································	1		<del> </del>		<del>   </del>	+	+
		veinings @ 65°			$\top$	$\sqcap$							†		<del></del>	+	t
		-followed by clay fractures and minor carbonate/			s	$\sqcap$										<del> </del>	t
		quartz breccia filling			$\Box$	$\sqcap$							<del> </del>			+	t
		195.6: silicification of fractures and breccias			М	$\sqcap$	3598	195.0	197 0	2.0	20.003	0.10	(0.01	0 01		+	t
		with fine quartz/carbonate veining @ 65°				$\sqcap$	777	****	1//2		- 00 00 7	0.10	-0.01	0.01	<del></del>	+	╁
		-chloritic alteration			$\top$	$\sqcap$					<del>   </del>		<del> </del>			+	t
		196.3-196.8: fracturing and brecciation with			11	一										+	۲
		quartz/carbonate filling and veining @ 50°			11	$\top$					1					<del>                                     </del>	t
$-\!\!\perp$		197.8: fractures and quartz carbonate plus				$\Box$										<del> </del>	t
		chlorite veining 0.50°			T	Т					1					+	t
		199.2: carbonate quartz vein @ 70°				$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$	3599	199.0	200.0	2.0	∠0.003	0.14	Ł0.01	0.01		+	t
$- \downarrow -$		199.5: fractures and quartz carbonate plus			П	$\perp$						****T	7,71	7171	<del></del>	+	t
		chlorite veining 0 50°			ΤŢ	T										+	t
		199.8: quartz/carbonate plus chlorite vein @ 600			П	$\mathbf{I}$										+-	t
		202 5: clay altered fractures @ 60°		Town His	TT		3600	200.0	202.0	2.0	<0.003	0.08	< 0.01	0.01		+	t
		204.6: clay altered fractures and carbonate	$\Box$		$\prod$	_		204.0			≥0.003					<del>  </del>	t
	1	vein @ 20°			П	T								****		+	╆

INTERV	17	T control control												 	
		CEDLUCICAL DESCRIPTION		EXALIZATION					ASSA	rs				KECC	XI.R
roa	To		X			P SAMPLE	FROM	TO	LENCTH	Au	Ag	Pb	Zn	RUN	Γ
		206.1-206.3: strong clay altered fractures	tr	сру	s	3602	206.0	208.0	2.0	<0.003	0.22	0.05	0.02		Τ
		followed by quartz/carbonate vein @ 50° with	<b>_</b>	ga	44		<u> </u>								Т
		traces chalcopyrite, galena	↓		+										Т
		207.5: clay fractures @ 40°			S		<u> </u>								T
		208.9: clay fractures, carbonate veining @ 55°	_	<u> </u>											$\top$
	· · · · ·	209.4: clay fractures @ 50° with quartz/carbon-	L	ga	6	3603	209.0	210.0	1.0	∠0.003	0.04	0.03	0.02	$\neg$	†
		ate veining carrying minor galena										1		 	+-
		211.3: clay fractures @ 50° followed by 5-6cm			S	7								 	$\vdash$
		of pink carbonate/quartz vein/breccia												 <del></del>	┪
		213.6-213.8: clay fractures @ 50°			s									 <del></del>	+-
					111	1	<b></b>			1		<del>                                     </del>		 <del></del> -	╁
		-green chloritic alteration weakening as porphyry			111					╅╼╾┪		<del>   </del>		 	┿
		is taking on a less altered brown color periodic-			+++	+	i	1		1				 	╀╌
		ally			111	+	<del> </del>	<del></del>		<del>                                     </del>			<del></del>	 	}-
					111	+		<del>   </del>		<del>                                     </del>				 	╁
		215.3-215.4: 10cm carbonate quartz veining @40°	+ -	0.9	+++	3604	215.0	216 0	1.0	< 0.003	0.10	0 01	0 01	 	├-
				sphal	+++	1 3004	213.0	210.9	1.0	20.003	0.10	0.01	0.01	 	╄
		215.6 - 216.0: intense clay alteration with pink		Spilar	s	<del> </del>								 	├-
	7.5	carbonate quartz veinlets up to 4 cm wide @ 50°			141-1	<del> </del>	<del> </del>	<del>}}</del>		<del>                                     </del>				 	╄
		217.2-217.5: fractured pink carbonate vein			+++	<del></del>	<del> </del>	<del> </del>		<del>1                                    </del>		<del></del>		 	┡
		@ 80-90°	$\vdash$		+++	+	<del> </del>	<del>                                     </del>				<b> </b>		 	-
		218.3-218.4: siliceous zone with quartz veining		ga	<u> </u>	3605	218.0	210 0	1.0	0 000				 +	├
		carrying minor galena		<u> </u>	+++	1 3003	210.0	512.0		0.008	0.07	0.01	0.02	 	$\vdash$
		219.4-220.4: silicified zone with 1-5% pyrite	3	DV	s	2604	219.4	220	1.0	10 000		10 0.1		 	┞
		-clay fractures and irregular quartz veining		-DX	+ 19+	3000	417.4	420.4	1.0	<b>≥0.003</b>	<u> </u>	<0.01	0.01	 	<b>├</b>
		220.6; clay fractures and 4cm carbonate/quartz		<del>,</del>	1.11	+	<del> </del>	<del>  -</del>	<del></del>					 + -	<u></u>
		veining @ 40°			+++	1	<del> </del>		<del></del>	<del> </del>			$-\!\!\!\!-\!\!\!\!\!+$	 +	<u> </u>
			-	<del></del>	+++	+	<del></del>	<del>  </del>		1				 	<u>_</u>
		-continue with considerable irregular carbonate			1 1	2007	221 0	1 200 4						 	<u> </u>
		veining to 223,3. weak bleaching and silicifi-			1 W	3007	221.0	223.0	2.0	40.003	0.12	<0.01	0.02	 	L
		cation with weakly disseminated pyrite		рy	+++	<del> </del>			<del> </del>	1					<u></u>
-	<del></del>	-irregular quartz/carbonate veining		<del></del>	+++	<del>                                     </del>									

	PROJE						CETTIM				PACE	NO:	18				
NTEX		GEOLOGICAL DESCRIPTION		ERALIZATION					ASSA	rs ·						KECCO	MY.
0001	To		X		A S	P SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn			RUN	Ť
		223.7-223.9: as at 223.3		рy	W						1					1	十
		225.9-226.0: clay alteration and silicification/			ММ					1	1					<del></del>	t
		veining @ 0-20°			$\Pi$					1							t
		227.0: chlorite alteration and irregular carbon-			П	3608	226.0	228.0	2.0	<b>&lt;0.003</b>	0.06	<0.01	0.01			<del>                                     </del>	t
	1 1-1-	ate quartz veining					1			1	1	1	<u> </u>		<del></del>	<del>                                     </del>	t
		227.5-227.6: strong green clay shear @ 60-70°			s						<del>                                     </del>	1	<b></b>			<del> </del>	t
										1		1				<del> </del>	H
		-continue in green propylitically altered				3609	230.0	232.0	2.0	<0.003	0.24	(0.01	0.02	+		<del></del>	ŀ
		porphyry with irregular carbonate veinlets and			П	1		1 3 - 10		- 0003	0.24	1-0.01	1 0.04	<del></del>		<del> </del>	╀
		clay coated fractures			Ш		i	1		<del>                                     </del>	<del>                                     </del>	<del>                                     </del>				├──	Ł
		231.5-232.1: many fractures with clay alteration			М		<del> </del>	1	<del></del>	<del>                                     </del>		<del> </del>	<del></del>	$\overline{}$		<b> </b>	Ł
	100	237.8: green clay fractures @ 45°			M	1		+		<del>                                     </del>		<del> </del>				<b></b> '	Ł
		235.4: green clay altered fractured porphyry			s	<del>                                     </del>	<del> </del>	1	· · · · · · · · · · · · · · · · · · ·	<del> </del>	<del> </del> -						Ļ
		236.4-236.6: quartz/carbonate veining with		ga .	۲	3610	236.0	237.0	1.0	0.000	0.00	0.05		$\longrightarrow$		<b> </b>	Ļ
	1.7	galena in veinlets and minor disseminated chal-	_	CDV	╅╅	3010	230.0	237.0	1.0	≥0.003	0.08	0.05	0.02				L
		copyrite	_	CDY	+++	<del></del> -	<del> </del>	+	<del></del>			<del> </del>				<b>ֈ</b> _	L
	1.5	237.6-237.8: grey siliceous zone with quartz/		CDV	М	2611	237.0	238.0		0000				$\longrightarrow$		<b></b>	L
		carbonate veining carrying minor chalcopyrite.		ga	1 1 1	3011	237.0	238.0	1.0	<0.003	0.10	0.01	0.02				L
	11 J. 11 J.	trace galena	$\dashv$	<u>ka</u>	╂┼┼	+		<del>  </del>									L
		238.2-238.5: irregular grey quartz vein and		-	HH	+		<del>  </del>									L
7		silicification followed by 20cm of clay altera-			М	+		1									L
$\neg$		tion - silicification	$\dashv$		I I	+		<del>                                     </del>		ļ							_
	1		$\dashv$	*	┝╌╂╌┦	+		╂	·					$-\!\!\!\perp\!\!\!\!\perp$			_
		-continue to end in green propylitically altered			╁┼┼	2610	010 0	1010									_
		porphyry with irregular carbonate/quartz vein-			┞┼┼	3012	240.0	242.0	2.0	<b>∠0.003</b>	0.10	0.02	0.01				_
		lets and clay fractures	-+		┝┼┽	+		<del>├</del> -		<b> </b>		<b></b> _		$-\bot$			_
$\neg$	4.4		-		┞╂╉	+											_
$\neg$	100	242.0: End of Hole	-+	<del></del>	┝╅╅	+		<del>   </del>		<b>  </b>							_
			-+		<del>     </del>	<del> </del>											_
			-+		┝╉╍╂	+		1							-1		
1			-+		++	+						:			_ []		
$\neg$			-		44	1	1.0	1 . 1	7.4.4	}	ł	1					_

NEWHOLT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT

Surface	DEPTH	PEARING	DIP	TYPE OF SURVEY	LENGIN	146.0 п	HOLE NO. GL-84-20
	collar	040'	-45°	Compass	CORE SIZE	BQ	SIEET NO. 1 of 14
			-47°	Acid	TOTAL RECOVERY	98%	LOGGED BY G. McLaren
	132.9		-47°	Acid	STARTED		CLAIM Golden Lion 2
	7				COMPLETED	Sept. 9/84	PURPOSE
	Surface V 425N 160E IN 1790 m : 416.8N E 162.0E	425N 160E   collar  N 1790 m   61.0 	1 425N 160E collar 040' N 1790 m 61.0 1416.8N 132.9	Surface 1 425N 160E collar 040' -45° N 1790 m 61.0 -47° 1416.8N 132.9 -47°	Surface	Surface dain date of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of	Surface U.S.M. 132.9

INTEX	JAT I	GEOLOGICAL DESCRIPTION	MI	ERALIZATION	ALT					ASSAY	S					XXVEX
From	To		Z		AS	P	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn	RUN	
0	9.1	Casing				П									9.	
<u> </u>	9,1	Casing			П	П	-								9.	
).1	72.0	Feldspar-pyroxene porphyry with moderate-to			П	П									11.	
, <u>, , , , , , , , , , , , , , , , , , </u>	72.0	strong potassic/siliceous alteraton			П	П						``			13.	
		-quartz-carbonate stockwork sections are common			П	Π									14.	
		-quartz-carbonate stockwork decision des des-			П	П									17.	
		-white feldspar and pyroxene crystals set in a			П	П						_ `				1 1
		fine pink matrix			П	П	3								22.	
	-	Time pink matrix			П	П									25.	9 1
		-disseminated pyrite is common through, partially	4	DV	П	П				-						0 1
	<del></del>	replacing mafics, 2-5%	1			П									31.	1 1
		replacing majics, 2-3%				П			1	1					35.	4
		-some carbonate alteration in phenocrysts				П									38.	4 1
		-some carbonate afferation in phenocity				П	3613	9.6	11.0	1.4	0.026	0.04	< 0.01	0.03	41.	5 1
	-				$\sqcap$	П		-			1				44.	
		11.0: clay fractures followed by 4cm grey quartz			$\vdash$	П	3614	11.0	12.0	1.0	0.032	0.11	0.01	0.07	45.	
	<del> </del>	vein @ 10-20			$\vdash$	П									47.	.6
	<del> </del>	Vein @ 10-20			11	H										6 1
		11.5: quartz veinlet @ 55°	_		$\Pi$	П										6 1
		11.3; duartz verniet w JJ			$\sqcap$	П										7 1
	<del> </del>	11.6: thin veinlet with trace sphalerite/galena		sphal		П										.7 1
	<del> </del>	@ 60-70		gal	T	П										.8 1
	<del></del>	( 00-70			П	П	1.00									.8 1
	-	11.9-12.0: thin broken quartz veinlets with	1	sphal	11	П										9 1
<del></del>	<del> </del>	specks of sphalerite/galena	1	ga	TT	П										.9 1
		Sherry of shirteffet garein			$\Pi$	П										.0 1
	1	12.0: pink alteration colour less intense with	1	1	T	П	3615	12.0	13.0	1.0	b.010	0.07	≥0.01	0.03	77.	
	<del> </del>	more carbonate in matrix				П			1 7				1		80.	.5 1

	PROJE	CT: COLDEN LION HOLE: GL-84-20 NE	MUN	r exploration	OF	CANADA	LIM	TTED)				PAGE	NO:	2		
INTEXV	/AL	GEOLOGICAL DESCRIPTION	MI	<b>ERALIZATION</b>	ALI					ASSAY	'S				 RECO	OVE
rom	To		X		AS	P SAM	7E	FROM	TO	LENCIH	Au	Ag	Pb	Zn	RUN	T
		-minor pyrite													 83.5	5
															 86.6	_
		12.5: return to intense pink near 4cm quartz				s				4.	1		1		89.9	-
		veining, grey with fine dark laminae											T		 93.0	
		-disseminated pyrite in alteration													 96.0	-
		13.0-14.3: alteration varies from moderate-strong		DY	М	M 361	6	13.0	15.0	2.0	0.003	0.06	20.01	0.03	 99.0	-
		potassic/siliceous in brown porphyry with green		he									1	-	102.4	-
	3000	montmorillonite in feldspars								<del></del>			† — —		105.	+
	1 111	-disseminated pyrite in potassic alteration				361	7	15.0	17.0	2.0	0.003	0.06	0 01	0.03	 108.5	-
		-disseminated hematite in brown porphyry			$\Box$	361		17.0			0.003	0.06	40 01	0.03	 111.6	-
		17.0-19.0: brown porphyry with green clay			$\Box$	T			7.0		14.00		1	- V-V-	 114.6	-
		alteration of feldspars and carbonates in mafics									<del> </del>		† <del></del>	<del></del>	 117.4	_
		-weak trachytic textures aligned feldspar			$\Box$	1							<del>                                     </del>		 118.3	
		@ 40-50°									†	<del></del>	1	1	 20.7	٠.
		18.3: thin carbonate veinlet with trace	tr	sphal							t				123.8	~
		sphalerite 0 60°				1		-					<del> </del>	<del></del>	 26.8	-
		19.2-22.0: return to variable potassic/siliceous			м	M 361	9	19.0	20.0	1.0	0.026	0.13	0.01	0.03	29.8	۰.
		alteration associated with veining				362		20.0			0.010				 31.7	_
			tr	sphal		1 ~~~	-	- ZV.V	-22-14		10.000	- Hali	1 11-11	11111	 32.9	-
	- 4	trace sobalerite			11						<b>——</b>				 35.9	-
	21 2015	19.7-19.9: carbonate/quartz veinlets all carrying			$\neg \neg$		_						·		 139 0	_
		traces of sphalerite/galena			$\Box$										 42.0	+
		22.0: return to strong potassic/siliceous	4	DV	s	362	1	22.0	23.0	1.0	0.014	0.15	0.03	0.03	45.1	_
		alteration									U-014		11-11-1		 146.0	-
		-3cm quartz vein @ 60° followed by quartz veining			$\top$										 -140-1	۲
		@ 70-90° and cross-cutting fractures			$\Box$										 <del> </del>	†
	1 10 11	-disseminated pyrite in host 2-5%			$\Box$										 +	+
		23.5: fractures/brecciation with quartz/carbonate			$\Box$	362	2	23.0	24.0	1.0	0.014	0 15	0.01	0.04	 +	+
		filling			$\coprod$						, <u></u>				 <del>                                   </del>	t
		-fine grey fractures			$\Box$	T					1				 +	۲
		-disseminated pyrite throughtout host			$\coprod$										 +	†
	1. 1947	24.6-25.1: siliceous stockwork amongst intense		DV	S	362	$\overline{}$	24.0	25.0	1:.0	0.100		0.01	0.03	 +	+

r 4

	PROJE	ECT: GOLDEN LION NOLE: GL-84-20 NEARLY	T EXPLORAT	ION OF	CANADA LI	CHILM				PACE	NO:	3				
INTERV		GEOLOGICAL DESCRIPTION M	NERALIZATI	ON ALT	T			ASSA	rs .					-	KECO	NAT.
rom:	To	X	1	ASI	SAMPLE	FROM	TO	LENCTH	A21	Ao	Ph	Zn			RIN	T
		potassic/siliceous alteration with pyrite	ga .		1	<u> </u>	1		<del>  ^~</del>	AE .	150	-20	<del></del>		- NAT	+
		-4cm quartz vein with traces galena, acanthite(?)	ac		1				<del> </del>	-		<del> </del>	<del> </del>			+
		-continue in intense potassic/siliceous alteration	py	S	3624	25.0	26.0	1.0	0.006	0.09	1 0 0	0.04	<del></del>			+
		with pyrite	1		1	1 22.4	1 24.4		W. UUO.	U-U9	<del> </del>	0.04	<del></del>			╁
1		26.4: clay altered fractures followed by irregular	sphal	111	3625	26.0	27.0	1.0	h 022	0.10	0.00	0.09	<del> </del>		<del> </del>	+
		Quartz veins	ga	-111	1 - 202	20.0	1 21.31	1.0	D-032	0.18	1 - 11 - 11 -	0.09	<del>                                     </del>		<del> </del>	+
		-quartz vein @ 60° with minor sphale ite, galena	1	-++	1		1	-	<del> </del>				<del></del>			+
		26.8-27.0: brown porphyry, green altered feldspars.	1	-+++	3626	27.0	20 0	1.0	6 010	0.05	0.00				<b> </b>	+
		trachytic @ 45°	1		3627	28.0	29.0		0.010							╀
		29.1: grey quartz vein @ 60°		-+++	3628	29.0	30.0		<0.0							+
		29.7-30: grey quartz/carbonate plus chlorite	<del>                                     </del>	-++	3020	24.0	10.0		<0.001	0.10	< 0.01	0.03		——		╀
		veins		$\dashv$	1	<del> </del>			-					——		+
		30.3-30.4: thin grey quartz vein @ 60° followed	·	-+++	3629	30.0	21 0						-+		لجخيز	1
		by irregular siliceous fractures	<del> </del>	-+++	1629	30.0	1-31-0	1.0	0.024	0.12	0.02	0.26			لننسخ	t
		30.7: 4cm quartz/carbonate vein with minor galena/	ga .	-+++	<del> </del>		<del> </del>								إجيت	╀
		sphalerite	sphal	-++	<del> </del>	<del> </del>										╀
		-followed by clay gouge and clay altered porphyry	sphai		<del> </del>				<del></del>			-				╀
		32.5: 1-2cm quartz veining with galena/sphalerite	¢а.	136	3630	21.0	-		-			-		$\longrightarrow$	لــــــا	╀
		a 30°	sphal	<del>- 1   5   5</del>	1630	31.0	33.0	2.0	0.004	0.09	0.01	0.04				Ļ
		-intense potassic/siliceous selvages	spnai		<del> </del>		-		<del>                                     </del>						للنسا	Ł
	ja se	33.0: return to strong potassic/siliceous alteration	<del> </del>		3631	22.0	24 2		1			<u> </u>			أجنب	Ŧ
		35.6; 5mm quartz veinlet with galena/sphalerite	va .	11313	3632	33.0	34.0			0.05				$\longrightarrow$	البيا	Ŧ
		@ 50°	sphal	-++-	10.12	34.0	35.0	0	<0.001	سمما	<u>&lt;</u> 0_01	0.04				+
$\Box$		36.9-37.0: thin irregular quartz veinlets with	spnai	-+++	3633	35.0	26.0					-		$\longrightarrow$		+
		minor sphalerite/galena	***	-+++	3634	36.0	36.0 37.0		≤0001							₽
				-+++	10.10		-37-0	_1_11	10-017	0.11	0.02	0.04		<del></del> -		Ł
		-continue in irregular potassic/siliceous	ga	L W					<del>  </del>							₽
		alternation of brown porphyry containing irregular	sphal.	- 1 1 1 1 1	<del> </del>	<del></del>			<del>  </del>							╀
		grey quartz stringers with trace galena/sphalerite	apmar.	111												1
				-+++			-		<del>  </del>				<del></del>	$\longrightarrow$		L
$-\Gamma$		38.9: irregular quartz veining with galena/	g a	$\dashv +$	3635	37 O	38.0	1.0	<del>  -  </del>							-
-1		sphalerite	spha1	-++-	-30.3	<del> 1/ .U</del>	38.0		0.014	_0_04	0.02	0.05		$\longrightarrow$		L

	PKOJ	ECT: GOLDEN LION NOLE: GL-84-20 NEW	TIKKI	EXPLORATION	OF C	anada Lij	ALLED				PACE 1	<i>1</i> 0:	4			
INTERV	/AL	ODDLOGICAL DESCRIPTION	MIN	ERALIZATION	ALT	Υ			ASSAY	'S				<del></del>	REC	COVER
rom	То		1%		ASI	SAMPLE	FROM	OT	LENCIH	Au	Ag	РЬ	Zn		RUN	$\top$
		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			7
		veinlets to 46.0											1			_
		40.0: irregular clay fractures with spotty galena	7	ga	ss	3638	40.0	41.0	1.0	0.018	0.05	0.18	0.15			十
		sphalerite	-	sphal		1		1	<del></del>	1	3,39		1			+
		-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/carbona	Ee		$\top$			1		10.000	0,00		3.32			+
		veinlets with sphalerite/galena				3640	42.0	43.0	1.0	0.018	0.12	0.53	0.51		-+-	十
		43.5: 3cm quartz/carbonate vein with coarse				3641	43.0	44.0	1.0		0.14		0.73			+
		sphalerite/galena @ 50	1	· ·		70-12	73.0	77.0		0.002	014	0.50	10.73	<del></del>	-+-	+
					++	<del></del>		1		<del> </del>			<del> </del>			+
		-continue with fine stockwork of cream-white		ga :	5.5	<del> </del>				<del>                                     </del>			<del>                                     </del>	<del></del>		+
		quartz/carbonate veinlets, often with fine-coarse		sphal	77			-		<del>                                     </del>						+
	<del> </del>	pyrite-sphalerite-galena		DV				<del>  </del>							-+-	+
		-disseminated pyrite through strong potassic/		<del></del>	11	3642	44.0	45.0	1.0	0.061	0.16	0.00	0.26			+
		siliceous alteration			++	2092	44.0	1-42-01		10.002	-V-10	U. U4	U-36			+
					++			1	<del></del>	<del> </del>			-			+
		45.7: strong clay alteration and irregular			++-			1					<del> </del>			+
		fracturing for 10cm				3643	45.0	46.0	1.0	0 120	0.12	0.51	1.49	<del>}-</del>	<del></del>	+
		-potassic/siliceous alteration continues but degree			55	3644	46.0	47.0	1.0		0.06					+
		of mineralization decreases	i- 🕇		TT	3645	47.0	48.0	1.0		0.07					+
	-	48.2: clay gouge			11	777	7/4/	30.0		TV-VIA	-11-117	-0-111	10.05			+
		48.5-48.6: quartz veins up to 3-4cm wide with		he	11	3646	48.0	49.0	1.0	0.019	0.08	0.00	0.02			+
		breccia development, partially hematitic in matrix		***	71	1090	40.0	93.0		10.019	-ע-עה	_11.11.5	11112			+
								1		<del>                                     </del>			<del> </del>			+
$\neg \neg$		-continue strong potassic/siliceous stockwork.	1	ga	SS	3647	49.0	50.0	1.0	0.04	0.12	0.00	0.00			┿
		minor galena/sphalerite	_	sphal	77	2047	47.0	1-20-01	- 1.11	0.044	U-12	11-118	11.11/			+
				25HGT	11			1		┼──┤				<del></del>		+
		50.6-50.7: strong silicification and veining form		ga	s	3648	50.0	51.0	1.0	0.072	0.10	0.00	0.03	<del></del>		+
		weak breccia as above		sphal	7	2040	20.0			10.0/4	U. L.J		10.03			-+-
$\neg \neg$		minor galena/sphalerite	-	avua.	<del></del>	<del></del>		<del></del>		<del> </del>					-	-

INTEX	/AL	GEDLOGICAL DESCRIPTION	MI	ERALIZATION	ALT	T			ASSAY	25					Lipec	OVER
rom	To		7			SAMPLE	FROM	or	LENCIH	Au	Ag	РЬ	Zn		RUN	WEK
		51.8: 8mm quartz vein @ 60° with sphalerite/		sphal	1	3649	51.0	52.0	1.0	0.020		0.02				+-
		galena		ga		70.7		72.0		0.020	0,00	0.02	V • 4 4			+-
		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		spha1		3651	53.0	54.0	1.0	0.004						┿
		3cm @ 0-30° with coarse sphalerite/galena and		ga		7,7,7		77.0		0.004	<u></u>	V.V2	0.00	<del> </del>		+
		fine grey sulphide (acanthite?)		gr.		3652	54.0	55.0	1.0	0.028	0.13	0.14	0 /2		<del></del>	+-
		55.5-55.6: quartz/carbonate veins @ 0-10 with		sphal		3653	55.0	56.0	1.0	0.042						+-
		sphalerite/galena/acanthite (?)		ac?		7000		70.0	1.0	0.042	0.00	0.02	V-1/1	<del></del>		╁
		56.0: clay fractures and quartz/carbonate veining	$\neg$			3654	56.0	57.0	1.0	0.032	0.00	0.03	0 07			+
		forms weak breccia				7074	20.0	1-7/-5	<u> </u>	0.032	0.09	0.03	V.V/	<del></del>		+
		-commence intense fracture/stockwork to 58.8	$\neg$					<del>                                     </del>		<del>  </del>					<del></del> -	+
		56.4: grey fractured quartz veins grade into	<b></b>	er.	s			<del>                                     </del>		1						+
		hematitic breccia then into quartz stockwork brecc	la.	***	1			1		<del>   </del>						+
		with fine grey sulphides	-					<del>                                     </del>		<del> </del>						+
		57.9-58.3: white quartz yein with veinlets of		sphal		3655	57.0	58.3	1.3	0.000		0 15	2 20			+
	- 1	sphalerite/galena		ga		3656	58.3	59.0	0.7	0.020						+
		59.0-59.4: green chloritic alteration with thin		- NY		1020	20.2	1 25.0		N-000	0.01	0.09	-U-10			+
		grey quartz veinlets			++	3657	59.0	60.0	1.0	0.006	A 15					+
		60.0: 5mm quartz veinlet with galena/sphalerite		ga		7,77	27.0	00.0		0.000	0.15	< 0.01	0.04			+
		60.0; 5mm quartz veinlet with galena/sphalerite		sphal	11	3658	60.0	61.0	1.0	0.010		0.04			<del></del>	+
		60.6-60.7: siliceous zone with grey quartz veins		sphal	11	3030	00.0	01.0		0.012	0.09	0.04	9.13		-+-	┿
		@ 40-50 carrying coarse sphalerite/galena		ga	11			<del>                                     </del>		<del>   </del>						+
																┿
		-continue strong potassic/siliceous alteration	5	nv	SS										<del></del>	十
		with 3-8% disseminated pyrite	7							<del>                                     </del>						┿
		-grey siliceous stringers													<del></del>	╁
		-feldspars are green-white													<del></del>	╁
		-mafics show carbonate-chlorite alteration locally	, 1			4 / -									-+-	+
		-chloritic alteration appears superimposed on potas	si	/	$\top$			<b></b>		<del>                                     </del>						+-
		siliceous alteration here			$\top$					1					<del></del>	+
-										<del>                                     </del>					<del></del>	+
		61.3: 5mm quartz/carbonate veinlet @ 30° with		98		3659	61.0	63.0	1.0	0.042	0.10		0.05			+-

<u> </u>		CT: GOLDEN LION HOLE: GL-84-20 NE									PAGE		•			
INTERVA		GEOLOGICAL DESCRIPTION		MERALIZATION	ALT				ASSAY	rs .					 RECO	ÑĒĪ
rou	To		X		AS	SAMPLE	FROM	10	LENCIH	An	Ao	Ph	Zn.		 RUN	T
		coarse galena/sphalerite		sphal						T				-	 	+
		63.0-63.6: stockwork of siliceous fractures with		g a	s	3660	63.0	65.0	2.0	0.020	0.02	0.06	0.18		 <b> </b>	t
		disseminated galena/sphalerite		sphal								1				+
		65.6: strong potassic/siliceous alteration and				3661	65.0	66.0	1.0	0.062	0.08	0.04	0.10		 <del>                                     </del>	t
		disseminated pyrite						1		1	1	1	1		 <del>                                     </del>	+
		65.8-66.0: strong silicification includes 8cm			S					T			1		 <del> </del>	†
		grey quartz vein/hreccia @ 450													 <del></del>	+
		66.2-66.5: sphalerite/galena in irregular quartz		sphal		3662	66.0	67.0	1.0	0.006	0 11	0 01	0 60		 	t
	111	veinlets		o a				1		1		1	<del>  1</del>		 <del> </del>	t
		67.1: clay gouge @ 0° followed by strong	-	sphal		3663	67.0	68.0	1.0	0.026	0.02	0.00	0 22		 <del> </del>	t
		silicification and 10cm quartz vein with aphaleric	- /	oa.	6	1		1		11-11/0	<del>- "-" -</del>	10-110	11-22		 <del></del>	t
		galena								<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>		 <del> </del>	+
		67.8-68.0: quartz veins with chlorite rims @		9.8				1		<del> </del>			<del> </del>	<b>  </b>	 	t
		0-20° carry disseminated galena/aphalerite	1.1	sphal		1	<del></del>			<del> </del>	<del> </del>	<del> </del>	├	<b>  </b>	 ├	ł
		68.2-68.3: quartz veins @ 70°+ 10°		- Amer	$\Box$	3664	68.0	70.0	2.0	0.004			<del></del>		 <del> </del>	╁
					$\Box$	3004	PA-U	<del>  /U-U</del>		0.004	0.01	10.01	0.07	<del>                                     </del>	 <del></del>	+
		continue in moderate-weak stockwork with variable			1,1	1		<del></del>		<del> </del>	<b></b>		<del>├</del>	<del>                                     </del>	 ├	+
		potassic-siliceous or chloritic alteration				1	<del></del>			+	<b></b> -	<del></del>	├──		 <del> </del>	ŧ
					+			<b> </b>	<del></del>	+		}	<del> </del> -	<del>  </del>	 	Ŧ
		69.0-69.1: clay fractures and strong areillic	- 1		++	<del> </del>	<b></b>		<del></del>		<b></b>	<del>}</del>	<del> </del>		 <del></del>	Ŧ
		alteration	-		++	<del> </del>				<del> </del>	<del></del>		<del></del>		 <del></del>	Ŧ
	1	69.1: 1cm quartz vein 0 0 with sphalerite/		snhal	11	1			<del></del>	<del>                                     </del>	<del> </del>	<del> </del>	╂	$\vdash$	 	Ŧ
		palena/acanthire?		oa .	11	1		<del>                                     </del>		+	<b></b>	<del> </del>	<del> </del>	<b></b>	 ├	╁
				902		<del> </del>				+		<del> </del>	<del> </del>		 <del> </del>	╁
		70.0: 6cm grey quartz vein with sphalerite/		41	11	3665	70.0	72.0	1.0	0-032			<del>                                     </del>	<del></del>	 <del> </del>	╁
		calena @ 30°			11	1 3003	-/!!-!!	<del>                                     </del>		D-032	0.07	0.04	0.24	<del></del>	 	╁
		70.1: 10cm white/green quartz vein with sphalerit	.7		11	1	<i>-</i>			+				<del></del>	 <del> </del>	t
l_		galena @ 20-30°			$\dashv \dashv$	†				<del>                                     </del>		ļ			 	t
		-continue in fine stockwork of quartz weinlers		02	$\top$	3666	71.0	72.0	1.0	0.040				+	 	╀
	- (3)	carrying sphalerite/galena to 72.5		sphal	11	1-2000	i de la lace	1		0.00	0.03	$\mathbf{n}$ . $\mathbf{n}$ .	p_05_		 <del></del>	╀
-I				ру	11	<del> </del>				1.010					 	╀

	PROJE	CT: GOLDEN LION NOLE: GL-84-20 NEW	AT LIV	I CAD WATTON	Ut C	ANAUA LL	LIT (ED)				PAGE	N):	7				
INTER	VAL	GEOLOGICAL DESCRIPTION	MU	<b>ERALIZATION</b>	ALT	Γ			ASSAY	rs					<del></del>	I RECOO	MER'
rom	To		X		ASP	SAMPLE	FROM	TO	LENCIH	Au	Ag	Ph	7n		T	RLN	
		carrying disseminated pyrite continues to 72.0					1			1	-		~		<del>                                     </del>	<del>                                     </del>	$\vdash$
								1					1				✝
72.0	105.2	strong pink pervasive potassic/siliceous alteratio	h		WW	3667	72.0	74.0	2.0	0.237	0.12	0.01	0.07	1		<b>†</b>	T
		of the feldspar porphyry dissipates and green					k As			272				1	<del>                                     </del>	<del>                                     </del>	t
		chloritic alteration increases								1	t		1	1	<b></b>	1	t
		-stockwork of quartz veins with disseminated pyrit	<u> </u>	DV					-		<del>                                     </del>		† — —	t		<del>                                     </del>	t
		continues into chloritic sections						1		1		<u> </u>	<del>                                     </del>	<del>                                     </del>		<del>                                     </del>	t
		-potassic alteration mainly restricted to yein		1 1 4 4 7 7 3 4										1	<del>                                     </del>	<del> </del>	十
		selvage and local stockwork sections								1	· · · ·	1	<b>-</b>		<del>                                     </del>	<del>                                     </del>	t
							t	1		<del>                                     </del>		<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	t
		74.0: 2cm quartz vein along grey clay fracture	8	DΥ		3668	74.0	75.0	1.0	0 192	0.17	0.02	0.42	<del> </del>	<del> </del>	<del>                                     </del>	t
		with strong potassic/siliceous selvages 20cm wide				T-7000	1.3.2	1		11.132	14.17	10.02	11.47	<del> </del>	<del> </del>	<del>                                     </del>	t
		carrying 5-10% pyrite			$\dashv \uparrow$		<del> </del>	1	<del></del>	<del>}</del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del> </del>	<del> </del>	t
		75.1: 2cm grey white quartz vein with fine pyrite		Ωa		3669	75.0	76.0	1.0	0.006	0.00	0.00	0.20		<del> </del>	<del> </del>	t
		galena, acanthite, trace chalcopyrite		ac			1-/	1	L_U	p.uvo	111.02	h-ma	11.70		<del> </del>	┼──	t
				DV	++		<del> </del>			+		<del> </del>	<del> </del>		<del></del>	<del>}</del> -	t
				CDV	++		<del> </del>	1		<del> </del>	<del>                                     </del>		-	<del>                                     </del>	<del></del>	<del> </del>	H
		-5-10% disseminated pyrite through porphyry with	_		1,7	<del></del>	<del> </del>	<del>                                     </del>	<del></del>	+	<del></del>	<del> </del>	<del> </del>		<del></del>	┼──	⊦
		weak-moderate potassic/siliceous alteration	H° -	DY	-   <del>  "</del>		<del> </del>	1		+	<del>                                     </del>			<del> </del>		<del> </del>	ł
					++		<b> </b>	+	<del></del>	<del>}</del>	<del> </del>		<u> </u>	<b>-</b>	<del> </del>	╂	H
		75.9: strong clay alteration in broken core			1			1		<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	<b></b>	<del></del>	<del> </del>	H
		76.2: strong porassic selvages around quartz		sphal	1 6	3670	76.0	77.0	1.0	0.052	0 12	0.07	0 20		<del></del>	<b>†</b>	H
		veining carring sphalerite/galena		oa -	$\top$	3671	77.0	78.0		0.042						<del>                                     </del>	t
		-followed by weak stockwork with moderate potassic	/		$\mathbf{T}$			1		11.11.	ســــــ	11.119	<del></del>			<del>                                     </del>	۲
		siliceous alteration to 79.5			мм	3672	78.0	79.0	1.0	0.036	0.06	0 21	1 /2			<b></b> -	r
		- numerous quartz veinlets, some mineralized with		0.9		3673	79.0	80.0					0.29			<del>                                     </del>	۲
		sphalerite, galena, trace chalconyrite	tr	CDV				1		1		111111	11.73			<del> </del>	۲
																<del> </del>	r
		80.4: weak breccia with quartz filling carries		σa	TT	3674	80.0	81 0	1.0	0.008	0.05	0.04	0 17			<del>                                     </del>	r
		minor galena, sphalerite		sphal	$\top$			1		1						<del>                                     </del>	۲
		80.5: 10cm zone of strong potassic selvage around			Is					<b>†</b>	<b></b>				<b></b> -		H
		quartz veins carrying sphalerite-galena plus chlor			11,				· · · · ·	<del>                                     </del>					<del></del>	<del>  </del>	۲

INTERV.	VL.	GEOLOGICAL DESCRIPTION 1 N	MIN	ERALIZATION	ATT	-				ACCAN	~					T	
rom	To		Z				SAMPLE	FROM	TO	ASSAY LENCTH						KECCO	VEX.
		-potassic alteration fades but brown porphyry with	-+		_	W	SAFEE	PR(P)	10	IENCIH	Au	Ag	Pb	Zn		RUN	L
		propylitic alteration still carries 5% disseminated	-+		+	-			-		<del>}</del>	<b></b>			<u> </u>	-	┖
		pyrite	-		++	Н					<del> </del>					<del> </del>	1
		81.7-83.0: weak-moderate potassic/siliceous	+		W	w	3675	81.0	02 0	10	0.000		0.10				1_
		alteration with broken grey quartz veinlets carrying	-		- *	-	3676	82.0	82.0		0.020					<del> </del>	_
		sphalerite/galena	4		+	Н	3070	82.0	83.0	1.0	0.004	0.05	0.03	0.80		┦	L
		-disseminated pyrite in altered host	-		-1-1	+	3677	83.0	85.0	-10	0.010		0.0			<del></del>	┺
		83.8-84.1: intersecting quartz veinlets with	-+	ру	++	+	3077	03.0	83.0	2.0	0.012	0.09		0.05		<del> </del>	L
		pyrite, galena, sphalerite	+	ga	+	-							.0	<b> </b>		<del> </del>	L
			-+	sphsl	++	+										↓	L
		-moderate potassic alteration with 5% disseminated 5	↽╁	Bhust	++	+										↓	L
		pyrite	-	Py	┵	+		نسبت	<b></b>		-		-	<b>  </b>		<del>  </del>	L
		84.3-84.9: strong fracturing and carbonate veining	+	DY	++	4					-		<b> </b>			<u> </u>	L
		grades into weak-moderate siliceous stockwork		ga	++	+			-		-					↓	L
		with fine grained pyrite-galena-sphalerite	-+	sphal	┰	м										<u> </u>	L
	:	-variable stockwork continues to 105.5	┪	sphai	++	m											_
		85.0: some coarse crystalline quartz veins carry	+	ga	+	+	3678	05.0	06.0							L	L
		coarse galena, minor sphalerite	_	sphal	++	+	30/8	85.0	86.0	1.0	0.004	0.06	0.09	0.05		<u> </u>	L
		86.3-86.5: quartz/carbonate vein breccia with	_	sphal	++	+	3670	96.0								<u> </u>	L
		coarse sphalerite	+	spnar	++	+	3679	86.0	88.0	2.0	0.018	0.06	0.16	0.09		L	L
		88.0-88.4: many fractures gives breccia with	+		++	+	3680	00 0	- 00 0		2 222					ļ	L
		quartz/carbonate matrix	+		+	+	3080	88.0	89.0	1.0	0.022	0.12	0.01	1.17		-	-
		-locally filled with coarse sphalerite, minor galena	+	sphal	++	+											_
		gardia	_	ga	+	+										ļ	_
		-disseminated pyrite through host	-	DV	++	+	+										_
		89.0-89.4: good stockwork/breccia	_	sphal	М	ᆎ	8681	89.0	90.0		000						$\vdash$
		-moderate potassic/siliceous alteration	-	ga	114	-	8001	09.0	90.0	1.0	0.020	0.08	0.18	0.42			-
		-some coarse sphalerite/galena	+	<del>**</del>	++	+					<del>  </del>				<del></del>		-
			+		++	+											_
		-continue in brown porphyry with a dominant	+	DV	++	+											_
		propylitic alteration and weakly disseminated pyrite	+	P)	++	+					<del>  </del>						_
		, t	+		++	+					<del> </del>						_

114	UFCT: GOLDEN LION NOLE: GL-84-20 NEW	11XI	T EXPLIRATION	OF	CAI	NADA LIM	(LLI)				PAGE	ND:	9			
INTERVAL	GEOLOGICAL DESCRIPTION	MI	EXALIZATION	AL	r				ASSAY	rs				$\neg$	RECON	ÆR
rom To		×		AS	P	SAMPLE	FROM	TO	LENCTH	Au	Ag	РЬ	Zn	1	UN	abla
	90.3: 5mm broken quartz yein with coarse		sphal		П	8682	90.0	91.0	1.0	0.006	0.03	0.01	0.61	 $\neg$		Г
	sphalerite			$\Box$							1					Γ
	90.6: clay altered fractures @ 40°			П	П					1						Γ
	90.7: irregular quartz vein with coarse sphalerit	e/	sphal		П					T		1		 		Г
	galena		ga		П						1					Γ
	91.1: weak-moderate bleaching and silicification		sphal	$\sqcap$	П	8683	91.0	93.0	2.0	0.022	0.08	0.06	0.19	$\neg \neg$		Г
	with many thin quartz veinlets		ga							1	1	1				Г
			ру		П					1	1	T		$\neg$		г
	-some carry galena and sphalerite				П									$\neg \neg$		_
	-pyrite disseminated throughout				П					1.				 $\neg$		Т
	92.8-93.0: good quartz stockwork with moderate		sphal	S	s					1				$\neg$		Γ
	strong potassic alteration carrying sphalerite and		ga	$\sqcap$	П					1				 		Γ
	galena															_
	-cut by clay shears @ 70°									1	<del>                                     </del>			 -		_
	93.0: continue moderate stockwork with disseminat	ed	DV	М	П	8684	93.0	94.0	1.0	0.020	0.08	0.01	0.04	 _		_
	pyrite			П	П					1	-	3175		 	_	_
	93.8-94.9: strong potassic/siliceous alteration	4	py	S	s	3685	94.0	95.0	1.0	0.028	0.11	0.01	0.06			_
	with disseminated pyrite					-		2243		10.00	1	1 3.00	1	 _	_	_
	-clay altered fractures		**	П												Т
	-15cm pyritic, siliceous vein/breccia @ 0-20°			П	П					1				_	_	_
				П						1	1			 		_
	-continue in propylitic alteration with weak		A MADE OF	П	W						1					_
	potassic zones				П											_
					П						. ,					$\overline{}$
	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		$\neg$	_
	95.7: moderate stockwork with potassic alteration		sphal		M											_
	and disseminated pyrite		ga												1	_
			py									19.3				_
	-galena and sphalerite through veinlets		100													_
	96.0-97.0: fractures @ 90° cutting irregular		sphal													_
	quartz/carbonate breccia with sphalerite/galena								-							_

		ECT: GOLDEN LION HOLE: GL-84-20 NE	MI LUI	I CADMATION	UE.	CA	NADA LU	MITED				PAGE	NO:	10				
INTEX		CEDUCCICAL DESCRIPTION	MI	ERALIZATION	AL.	T				ASSAY	rs						KECOV	
Lon	To		X		AS	ТP	SAMPLE	FROM	TO	LENCTH	Au	Ao	Pb	Zn			LN	ř
		fine veinlets and stockwork continues to 99.0				П					<del>                                     </del>		<del>  **</del>	<del>  ~~</del>	<del>   </del> -	<del></del>		۲
		-moderate/strong potassic alteration varies with			М	М					1		1		<del>                                     </del>		-	H
		the veining			П	П		1			<b>†</b>				<del>                                     </del>	<del></del>		۲
						П				<del></del>	<del>                                     </del>	·		<del>                                     </del>	<del></del>			۲
		97.9-98.3: carbonate/quartz veinlets with galena.		ga		П	3687	97.0	98.0	1.0	0.008	0 11	0.25	0 17				۲
		pyrite, chalcopyrite		py		П		1111	1 20.4	X	1.000	V-11	10.23	1 4.17	<del>  -</del>		$\dashv$	۲
$-\downarrow$				cpy		П	3688	98.0	99.0	1.0	0.006	0 17	0.11	0.22	<del>  -</del>	<del></del>		H
$-\downarrow$		98.6-99.3: clay altered fractures and gouge			S	П	3689		101.0		0.008				<del></del>		$\rightarrow$	H
		99.3: after 99.3. host returns to brown feldspar			М	П			1		1.000	Made.	10.00	11.112	<del>  -</del>	-+		۲
		porphyry with argillic or propylitic alteration				П				·			<del>                                     </del>		<del> </del>			-
	· · · · · · · · · · · · · · · · · · ·	and only minor pyrite			$\top$	П					<del> </del>		<del>                                     </del>				<del>i</del>	_
		-any significant pyrite restricted to thin				П			1		1		<del>                                     </del>		<del></del>	<del></del>	─-┼	-
		potassic zones				П							<del>                                     </del>				$\dashv$	-
	<u> </u>					П			1	<del></del>	<del>                                     </del>						$\dashv$	-
		102.4-103.0: strong potassic alteration with	3	DV		s	3690	101.0	103 0	2.0	0.003	0.12	0 01	0 00		<del></del>	-+	-
		irregular quartz veining and 2-3% disseminated				П		- WIAW	1		V.1/U.3	11.12		UaliZ		-+	-+	-
		pyrite				П			<del>                                     </del>		1		1			<del></del>	─┼	-
		-finish in sharp contact @ 40° back to brown				w			1		1		1				<del></del>	-
		porphyry with green altered feldspar	12			П			1		1						<del></del> +	-
		103.5-103.8: well fractured zone of strong			S	S	3691	103.0	105.0	2.0 -	0.002	0.00	-0.01	0 00			$\dashv$	-
		notassic/siliceous alteration			$\Box$				177.14	<del>-</del>	11.110.5	U-UA		11-112			-+	-
		-quartz veins @ 40-50° cur by clay fractures @				П				<del></del>					$\overline{}$	-+	$\rightarrow$	-
					$\Box$										-+	<del></del>	-	-
		104.0-104.6: brown porphyry with clay fractures			$\Box$	w										-	-+	-
		<u>[8_90*</u>			$\coprod$												$\dashv$	-
		104.6-104.7: fractured quartz vein 0 45° with				s									-+		$\dashv$	-
	<del></del>	potassic selvages followed by clay fractures @ 450			$\perp$										-+		$\dashv$	-
		105.2: clay onuse/shear @ 30-40			$\Box$	$\perp$										-	$\dashv$	-
1-21	137.0	Fine grained version of brown feldspar porphyry			$\prod$	$\perp$											-+	-
		-much more massive and evenly textured than			$\coprod$										-+-	_	$\dashv$	-
-+		previous			П										<del></del>	-	$\dashv$	-
		-still some fine feldener grains usually with	† <b>†</b>	1	11	1	. 7				1					-+	-+	•

PROJECT: GOLDEN LION HOLE: GL-84-20 NEWHORT EXPLORATION OF CANADA LIMITED INTERVAL. PAGE NO: GEOLOGICAL DESCRIPTION From MINERALIZATION | ALT To ASSAYS carbonate or clay alteration ASP SAMPLE FROM RECOVERY TO LENCTH -dark grey at 105, becomes brown porphyry by 106 Au Pb -less veining or fractures from previous -weak propylitic alteration throughout 3692 105.0 107.0 108.4-108.5: thin carbonate/quartz veinlets @ 40-50 2.0 0.003 0.12 0.01 108.9-109.2: many irregular fractures with 3693 107.0 109.0 2.0 40.003 0.2640.01 0.02 carbonate veining 109,3-110.2: irregular quartz veining, some brecciation and moderate potassic alteration ру 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 3695 111.0 113.0 2.0 0.018 0.02 0.01 0.02 zone @ 700 112.4: potassic alteration around broken quartz 113.1: quartz/carbonate veining between clay fractures @ 40 2 py s 3696 113.0 115.0 0.006 0.01 0.01 0.02 2.0 -potassic alteration and 2% pyrite 113.5: grey quartz vein/siliceous zone @ 40° 113.9: clay fractures @ 70° М 114,6: clay fractures @ 60° followed by quartz veining/brecciation zone with pyrite chalcopyrite S 114.9-115.5: fine grained intrusive cut by CDV numerous irregular veinlets including 2-3cm quarte vein with strong potassic selvages 116.3-117.6: strong potassic/siliceous alteration around quartz veinlets carrying disseminated ss 3697 116.0 118.0 рy 0.006 0.0140.0 pyrite, chalcopyrite -quartz vein/breccia section @ 116.7-117.0 with clay alteration @ 116.9

1

														12			
DALEKA		GEOLUCICAL DESCRIPTION	M	ERALIZATION	AL	I				ASSA	YS					KE00	X/FR'
rom	To		X		AS	P	SAMPLE	FROM	TO	LENCTH	Au	Ag	Pb	Zn		RLN	T
		118.7: 30 banded quartz/carbonate veinlet with			$\Pi$	П	3698	118.0	120.0	2.0	0.003			0.02		+	+
		potassic selvage			11	11					1	0.01	10.02	V.U.		+	╁
		119.1-119.3: strong potassic/siliceous zone with		DV	71	TT					+		<del>                                     </del>	<del>                                     </del>		<del></del>	+-
1		disseminated pyrite aroung irregualr quartz		sphal		11					<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del></del>	+	+
		veinlets carrying pyrite, black sphalerite, trace	tr		11	11			<del>                                     </del>		+		<del> </del>	<del>  </del>		+	╁╴
		chalcopyrite			++	$\vdash$					+	<del> </del>	<del> </del>		<del></del>		┾
		119.4-119.5: clay fractures @ 60° in quartz vein		- 1 - 1 - 1	11	H			<del>                                     </del>		+		<del> </del>	<del>  </del>	<del></del>		₩
		zone			11	$\vdash$			<del>                                     </del>		<del> </del>	<del></del>	<del> </del>			<del></del>	╁
		119.9: quartz vein @ 50° with strong potassic		pv	++	sl		·	<del>   </del>		+				<del></del>	<del></del>	╁
		selvage, minor pyrite			++	Ħ			<del>                                     </del>		<del></del> -		<del> </del>			<del></del>	╄
		120,2: clay fractures and thin quartz vein @ 70			<del>1 1</del> -	††	3699	120 0	122.0	2.0	0.003	0.04	0.00	0 00		<del></del>	₽
		-strong thin potassic selvages			++-	s	- 3033	120.0	122.0	2.0	40.003	0.04	0.02	0.02		<del></del> -	╀
		120.4: 10cm potassic zone with cross-cutting	tr	sphal		s			<del>                                     </del>		+		<del> </del>			<del></del> -	╀
		quartz veins carrying trace sphalerite disseminate		DV	++-	۲۲.					+					<del></del>	╀
		pyrite	_		++-	H			<del></del>		<del></del>						↓_
		120.8: minor galena/sphalerite in thin quartz	_		++	₩					<del></del>				<del></del>	<del></del> '	L
		veinlet @ 30°		<b></b>	++-	╁┼					+					<del></del> -	╀
		121.4: quartz -carbonate veinlet @ 60°			++-	H		<del></del>								——	L
		122.1: quartz yein with chalcopyrite @ 70 cut by			╂┼╌	╁	2200	100.0	100		<del> </del>				<del></del>		L
		greenish quartz vein @ 15-20	$\dashv$		++-	╀	3700	122.0	124.0	2.0	0.008	0.06	<0.01	0.02			L
		123.9: 1cm quartz vein followed by clzy gouge			╂┪-	╀					+					4	L
	7.7	all 0.50°			++	H										<del></del>	L
		-followed by clorite clay and carbonate alteration			++	H										<del></del>	L
		to 124.4			++	H				<del></del>	++					<del>  </del>	L
		124.9: clay fractures @ 30°	$\dashv$		++-	Н	3701	12/ 0	106 0							4	<b> </b>
		125.9: 2cm siliceous zone with trace galena and		ga	Н	낡	3/01	124.0	120.0	2,0	0.003	0.02	≤0.01]	0.02		4	<u> </u>
		potassic selvage		- <del></del>	+111	H										4	<b>L</b>
		126.1-126.2: quartz veins with potassic selvages,	$\dashv$		HH	H	3702	126 0	107.0	<del></del>	<del> </del>					+	L
		clay fractured all @ 0-10°	-		HH	H	3702	120.0	12/.0	1.0	40.003	0.01	0.03	-0-19		┦	_
	1. (	126.4: strong clay fractures and arcillic alterate	on		s	+					<del>  </del>					<b>┼</b>	_
		in time grained intrusive			19	+				8				<b></b> -	<del></del>	<b>↓</b>	
		126.7-127.0: fractured and silicifledquartz vein	- 1	ga	s	+				<del></del>						4	

	JECT: GOLDEN LION HOLE: GL-84-20 NO									1 Paul	NO: 1	,			
INTERVAL	GEOLOGICAL DESCRIPTION	MI	PERALIZATION					ASSA	YS					RECO	OVER
rom To		X		AS	P SAMPLE	FROM	TO	LENCIH	Au	Ag	Pb	Zn		RUN	Ť
	zone		sl	Ш			1			1	1	1	<del></del>	<del>-  </del>	+
	-veins carry galena, sphalerite, pyrite	7_	ру						<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	<del>                                     </del>		┿
	-disseminated pyrite through bleached silicified			П	1	1			1		<del>                                     </del>	<del>}</del>	<del>                                     </del>	<del></del>	+
	host, initially 5-10%			$\sqcap$			1		1		<del>                                     </del>	<del> </del>	<del></del>		十
	127.6: 2cm grey quartz vein and clay fractures		sphal	П	3703	127.0	128.0	1.0	40.003	0.01	0 01	0.35	· · · · · · · · · · · · · · · · · · ·		+
	with coarse sphalerite, minor galena		ga			1	1		70.003	0.0.	- V.VI	10,00	<del></del>		┿
				П	7		1		<b>+</b>		<del>                                     </del>		<del></del>		十
	-fine grained bleached silicified intrusive with	2_	ру	s		1	1		1	<del> </del>	_	<del> </del>	<del></del>		十
	1-3% disseminated pyrite contines to 131 but			ПП	3704	128.0	129.0	1.0	40,003	0.01	40 01	0.02		+	+
	becomes sheared with clay fractures and propylitic			Ш	3705	129.0	130.0		40.003				<del></del>	+	+
	alteration			ПТ	3706		131.0		0.003					+	+
				П	7	1 20.0	+	1.0	70.003	V.U1	FV.VI	V. V.		+	+
	131.5-132.1: pale green-grey shear zone @ 60 wit	<u> </u>	py	s	3707	131.0	132.0	1.0	40.003	0.01	0 01	0.02		<del></del>	+
	intense argillic alteration and weakly disseminate	1		1	1 3.07	132.00	132.0	·	40.003	0.01	20.01	V.U2	<del></del>	+	╁
	pyrite			$\Box$	<del> </del>	<del> </del>	<del>                                     </del>		+		<del> </del>	<del></del>		┯	╁
	132.1-132.9: strong potassic siliceous alteration	8	DV	151	3708	132.0	133 0	1.0	0.022	0.01	0.01	0.05			╁
	with 5-12% disseminated pyrite	-	-	111	7,00	172.0	123.4		0.022	0.01	V.01	בעיה			╀
	-quartz/carbonate veinlets			H	<del>                                     </del>	<del> </del>	<del>                                     </del>		<del>  </del>				<del></del>	+	╀
		12	nv	111		<del> </del>			+		<del> </del>			+	+
	carrying 10-15% pyrite	-	**	1	+	<del> </del>	<del>  -                                   </del>		<del>                                     </del>				<del></del>		╄
	133.0: grades into pale green chlorite-carbonate	7	DV		3709	122 0	134.0	1.0	0.020						╀
	altered rock with considerable disseminated pyrite				1 3/03	133.0	134.4	- 140	10.0201	0.01	0.02	0.04			╁
	133.1-133.5: quartz veinlets with sphalerite.		sphal				<del>                                     </del>	<del></del>	<del> </del>				<del>+</del> -		╄
	galena, pyrite		ga ga		+				<del>  </del>						╀
			עמ		<del>                                     </del>	<b></b>	1		<del>  </del>				<del></del>		╀
	134.4: 2-3cm quartz/carbonate vein with sphalerit			++	3710	134 0	135.0	1.0	0.006	0.04	0.02	0 00		┯	+
	galena			11	1 7/10	-24.0	1.22.4		10.000	0,04	V.03	0.09			+
	still in fine green chloritic host with	$\neg$			1		<del>                                     </del>		<del>  </del>					<del></del>	+
	disseminated pyrite			++	†		<del></del>		╅╾╼┪						╀
	135.6-135.9: irregular fractured quartz/carbonate	.,		++	3711	135.0	136 0	1 0	0.003	0.00	0 00	0 00		<del>-}</del>	+
	veinlets			++	<del>  -7/-1</del> -	1,0,0	130.0	1.0	10.003	0.04	0.02	0.09		<del></del>	-
		_		++	3712	136.0	107 0	1.0	0.003						1

INTERVA	VL ]	CEDLOGICAL DESCRIPTION	М	ERALIZATION	ALT	1			ASSA	vs.					1 1950	OVER
	То	3	X		Als le	SAMPLE	FROM	or	LENCTH	Au	Ag	Pb	Zn	<del> </del>	RUN	7
37.0	146.0	Fracture zone with argillic alteration cutting	7	ру	s			<del> </del>		+		1.0	- 211	<del>                                     </del>		+-
		the fine grained intrusive with propylitic			111			1		+		<del> </del> -	<del> </del>	<del>                                     </del>		+
		alteration			HH			1		+	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>		+-
		-host still contins 3-10% disseminated pyrite			111	<b>†</b>		1		<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del></del>		+
		-thin clay gouge zones			$\Box$					<b>†</b>	<b></b> -	<del>                                     </del>	<del> </del>	<del>                                     </del>		+-
		-irregular silicified zones	<b> </b>		+++			<del>                                     </del>		<del> </del>	<del></del>		<del> </del>		<del></del>	+
					111					+	<del></del>		<del>                                     </del>			┿
		137.1: thin dark grey quartz vein @ 60° with		ga	H	3713	137 0	138 0	1.0	0 003	0.00	0.04	0.14	<del></del>		+
		galena and phalerite		sphal		3,13	137.0	1.20.9	1.0	70.003	0.00	V.09	V.14	<del></del>		┿
		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	<del>  -</del>	-+-	┿
		by strong siliceous grey quartz vein zone	_		s	37.14	130.0	133.0	1.0	0.014	0.10	1 0.04	0.10			╀
		138.9-139.7: broken quartz/carbonate veins with		sphal	11	<del>                                     </del>	<del></del>	1		1		<del> </del>	<del>                                     </del>		<del></del>	┿
		minor sphalerite/galena		ga	111	t			<del></del>			<del>}</del>			<del></del>	┿
		139.0-139.7: shear zone with intense clay		<del></del>	s	3715	130 0	140 0	1.0	10.002	0.1/	0.01	2.05	<del></del>		+
		alteration			H	1 3/13 1	133.0	140.4	1.0	90.003	U.14	0.01	0.05			+
		142.2-142.3: quartz/carbonate veinlets with		sphal		3716	140,0	1/41 0	1.0	0.010	0.00	10 01	~ ~			╁
		minor sphalerite and galena		ga	HH	3717	141.0	1/2 0		0.010	0.00	20.01	0.02			+-
		142.4-142.8: irregular clay shears @ 75° cutting		sphal	H	3718	142.0	142.0	1.0	0.006	0.14	20.01	0.02			+
		quartz/carbonate veinlets and silicified zone		ga		7/10	142.0	143.4	1.0	0.010	0.01	0.03	0.07			+-
		with minor sphalerite, galena		A	$\forall \pm$	<del>  </del>	<del></del>	<del>                                     </del>		+1						╁
		143.3-143.4: cross-cutting quartz/carbonate vein	5	sphal	$\Box$	3719	1/3 0	144 0	1.0	0.006	2 01					╄
		up to 3cm wide with minor sulphides	_	ga	++	3713	143,0	144.4	1.0	10.000	0.01	0.01	0.04			╄
		144.0-144.5: strong clay fractures with		- Au	++	3720	1// 0	1/5 0	1.0	0.003	0.01		0.00			+
		siliceous veinlets		<del></del>		3721				0.003						+-
					+	3/21	147.0	140,0	<u> </u>	10.000	بلعلا	<0.01	0.09			╁
		-finish in same propylitic alteration of fine			+			<del>  </del>	<del></del>	<del>                                     </del>						+
		intrusive, cut by clay fractures and local			++	<del></del>			<del></del>	<del>                                     </del>					-+	+-
		siliceous zones						<del>                                     </del>		1		<del>  </del>	<del></del> -		<del></del>	╁
					11			<del></del>	<del></del>	<del>  </del>		<del></del>				╀
		146.0: End of hole			++	<del></del>		<del>   </del>	<del></del>	<del>                                     </del>						+-
					++	·		<del>                                     </del>		<del>   </del>						+

NEWFORT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

	Surface	DEPTH	PEARING	DIP	TYPE OF SURVEY	LENGII 69.5 m	HOLE NO. GL-84-21
	725N 165E	collar	220	-45°	Compass	CORE SIZE BQ	SIEET NO. 1 of 4
ELEVATION	1780 m	69.5		-47°	Acid	TOTAL RECOVERY 92%	LOCCED BY G. McLaren
LATTTUDE	720.0 N	ļ				STARTED Sept. 17/84	CLAIM Golden Lion 2
DEPARTURE	176.5 E	ــــــــــــــــــــــــــــــــــــــ				COMPLETED Sept. 18/84	PURPOSE

INTEX		GEOLOGICAL DESCRIPTION	M	NERALIZATION	AL	I I				ASSA	rs				l ps	B00%	un
From	To		Z		AS	: Ip	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	Zn	RUN		T
	4.3	casing	T		~	41			<del> </del> -		1 20	1 - 73	1.0	<del>  Lii</del>		_	_
					$\vdash$	† †		<del>                                     </del>	<del> </del>	<del> </del>	<del></del>	<del>                                     </del>	<del> </del>	<del>  </del>		3	
4.3	23.0	Moderate potassic-siliceous alteration in medium	2	he	1 M	ıм		<del>                                     </del>	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	┼	<del>  </del>		2	
		to fine grained feldspar crystal tuff	Т		11	Ħ			<del>                                     </del>	<del> </del>	+	<del>                                     </del>	┼	<del>  </del>		Z	
			1	T	$\vdash$	††		<del> </del>	<del> </del>	<del>                                     </del>	┼	┼──	┼	<del>  </del>		8	
		-fine feldspar crystals with white to green			H	⇈		<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	┼	<del> </del>		0	
		montmorillonite alteration			H	Ħ		<del>                                     </del>	<del>}</del>	<del> </del>	<del> </del>	-	├	<del>  </del>		1	•
		-some fine mafics, mostly with shite carbonate	1	<b> </b>	$\vdash$	††		<del> </del>	┼	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del></del>	13.	_	Ļ
		alteration	1		$\vdash$	⇈		<del>                                     </del>	<del></del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>  </del>			
		-set in a fine gritty matrix	<u> </u>	<del> </del>	1	+		<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>		1	,-
		-variable pinkish alteration		<del>                                     </del>	$\vdash \vdash$	H		<del> </del>	<del> </del>	<b></b>	<del>↓</del>	<b></b> -	<del> </del>	<del>  </del>	18.		
	100	-minor disseminated hematite, locally up to 3%	<del>                                     </del>		-	Ηŧ		<del> </del>	<del> </del>		<del> </del>		<b></b>		19.	5	L
		-relatively little veining	$\vdash$		Н	Н		<del> </del>	ļ	<u> </u>	<del> </del>	<u> </u>	ļ		<u> </u>	0	L
	- 1	-supergene limonite staining near surface	-		-	╁┼	2222	0 0	1		l	-	ļ.,	L	23.	2	1
			-	<del> </del>		Н	3722	9,0	11.0	2.0	10.006	0.17	<0.01	0.03	25.	6	1
		11.4: 5mm quartz/carbonate veinlet with minor	├-	<del></del>	+	₩	2700								28.	0	
		galena, sphalerite pyrite, @ 70°	├	ga	+	₩	3723	11.2	12.0	1.0	0.010	0.01	0.11	0.03	29.	9	L
		11.8: thin, irregular quartz veinlet with galena,		sphal,py	-	Н					<u> </u>				32.	3	Ī
		pyrite traces @ 60°	-	ga	4	Н							L		35.	41	_
		HILLES N. OU	-	ру		Н									38.	4	ī
		12.7-12.8: 5mm irregular quartz vein @ 80-90°	-		+	-	2221								41.	5 T	ī
		with trace galena, sphalerite		ga	+	₩	3724	12.0	13.0	1.0	<b>40.003</b>	0.01	0.02	0.03	44.	5 T	ī
		13.0: quartz patch with trace galena, sphalerite	LI	sphal	+	Н				1 1					47.	<u>6</u> T	7
		15.1; clay fractures @ 45°	-	ga, sphal	-	Н									50.	ōΤ	7
		17.0-17.1: silicification and 1-2% disseminated		<u> </u>	s	H	3725	15.0	17.0	2.0	0.004	0.02	0.01	0.03	52.	ıT:	ī
		pyrite		<del></del>	-	H	070/				<u> </u>				55.		
		18.2-19.0: intense silicification, quartz flood-	-	ру	s	٩.	3726	17.0	18.0	1.0	0.066	0.02	0.02	0.03	58.	2 1	ī
		ing, minor disseminated pyrite 1-2%	-4		44	4									61.		
		114, winds disseminated pyrite 1-2%		ру			3727	18.0	20.0	2.0	40.003	0.02	<0.01	0.03	62.		

DVIEK	VAL	CEDILOGICAL DESCRIPTION	MI	FRALIZATION	ALT				ASSA'	rs				RECON	VERY
From	To		X		AS I	SAMPLE	FROM	TO	LENCIH	Au	Ag	Pb	Zn	RUN	<u> </u>
		-some irregular veining						1						65.8	9
		-strong potassic alteration			Ш									68.6	10
														69.5	9
	1 1	continue intense pink potassic alteration				3728	20.0	22.0	2.0	<b>40.003</b>	0.04	<0.01	0.03		
			2	he	Ш					1					
		-patches of grey carbonate in matrix								7	1				
										1				T	<u> </u>
		22.1: 5mm quartz veinlet, reddish hematitic band			П	3729	22.0	24.0	2.0	£0.003	0.04	40.01	0.03		
		a 70°								1		T			
														1	
3.0	69.5	Brown feldspar-pyroxene porphyry with variable	2	he										1	
		potassic-siliceous or argillic alteration								1		1			
		a textural variation on the sub-volcanic intrusive			$\Box \top$							1			
		feldspars may be montmorillonite altered			$\Box \Box$					1				1	
		-carbonate altered pyroxenes													$\vdash$
		-disseminated hematite 1-3%													_
	·				Ш							1			
		27.2-27.5: strong clay shears and teration			s	3730	26.0	28.0	2.0	40.003	0.01	<0.01	0.02	$\vdash$	
		27.8-28.0: clay shears			s										
		28.3: clay fractures @ 75°			s	A									
		28.0-30.0: weak potassic/siliceous alteration			V	3731	30.0	32.0	2.0	40.003	0.04	<b>40.01</b>	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	<b>∠</b> 0.01	0.02		
	·				Ш										$\overline{}$
		-continue massive porphyry													$\vdash$
		-locally with grey carbonate matrix			$\Pi$			3.4							
		-disseminated hematite			$\prod$										
		no significant veining			$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$										
		40.0: thin quartz/carbonate veinlets @ 70°			++	3733	38.0	40.0	2.0	0.003	0.01	40 C1	0.00	 +	<u> </u>
		40.2: begin to show patchy green chloritic	$\vdash$		++	1,,,,	30.0	1 30.0		70.003	0.01	-0.01	0.03	 +	-
		alteration		<del></del>	++				<del></del>	+	<b></b> -	-		 ╁╾╾┥	<b>├</b> -

GOLDEN LION PROJECT: HOLE: GL-84-21 NEWHONT EXPLORATION OF CANADA LIMITED PAGE NO: 3 INTERVAL GEOLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS RECOVERY From A S P SAMPLE LENCIH Au FROM 10 Ag Pb RUN 🔭 3734 45.5: clay gouge with pebbles @ 0-20° 43.0 45.0 2.0 40.003 0.02 40.01 0.04 46.1: thin quartz veinlet with strong pink selvages 1 cm wide, @ 50° 47.5-47.8: strong fracturing with quartz/carbon-3735 47.0 48.0 1.0 40.003 0.36 0.02 0.08 ate veinlets, some carrying minor sphalerite, sphal galena ga 48.0: thin quartz-carbonate veinlet @ 70° 49.5: quartz-carbonate vein-breccia @ 45° 3736 1.7 40.003 0.06 0.01 0.07 49.0 50.7 50.0: rusty pebbles, broken core, for 10cm 50.3-50.8: bleaching with strongmontmorillonite in feldspars -clay altered fractures 50.8-51.6: intense silicification and breccia-IS | S | 3737 50.7 51.7 1.0 0.010 0.18 0.09 0.07 tion -fragments of potassic/siliceous altered host and sphal grey siliceous vein material -minor disseminated pyrite, galena, trace sphalerite 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 vein- tr ga ing with clay fractures -trace galena 53.2-53.6: breccia of potassic/siliceous frag-5 S 3739 53.0 55.0 2.0 +0.003 0.01 0.01 0.04 ments set in grey or red hematitic siliceous matrix -minor pyrite, hematite 55.4-55.7: weak bleaching and irregular frac-3740 58.0 60.0 2.0 40.003 0.02 40.01 0.05 turing with quartz carbonate fillings 62.0: quartz carbonate veinlet @ 55° 

HOLE: GL-84-21 NEWFORT EXPLORATION OF CANADA LIMITED PAGE NO: PROJECT: GOLDEN LION GEOLOGICAL DESCRIPTION MINERALIZATION ALT ASSAYS RECOVERY INTERVAL A S P SAMPLE FROM LENCIH Au Ag From Ю Pb Zn RUN 2.0 62.3: thin quartz/carbonate veinlets with minor sphal galena, sphalerite @ 20° 62.6: lcm quartz-carbonate + chlorite veinlet @ 70° 63.0: irregular fractures, quartz veinlets, with 3741 63.0 64.0 0.010 4.21 0.26 0.48 trace galena 63.1-63.4: strong silicification and quartz vein/breccia plus chlorite -disseminated pyrite, galena, minor sphalerite sphal 63.7: 1-2cm carbonate plus chlorite vein @ 0-20° 3742 68.8: thin irregular quartz veinlets with trace 67.0 0.006 0.05 0.03 0.09 69.0 2.0 galena, sphalerite sphal 69.5: End of Hole

NEWHONT EXPLORATION OF CANADA LTD

DRILL HOLE RECORD

PROJECT GOLDEN LION

LEVEL Surface	DEPTH	BEARING	DIP	TYPE OF SURVEY	LENGIN 62.8	HOLE NO. GL-84-22
LOCATION 790N 90E	Collar	220°	-45°	Compass	CORE SIZE BO	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

INIER		GEOLOGICAL DESCRIPTION	MIN	ERALIZATION	AL	πl				ASSA	25							
From	To		2		AIS	ĪР	SAMPLE	FROM	10	LENGTH	Au	Ag	Pb	T =-	<del>,</del>	<del></del>	RECO	YEX
)	6.1	Casing			7	Ħ			1		Au	AX	FD	Zn	<del> </del>		RUN	+-
					$\top$	11			<del> </del>	<del> </del>	<del> </del>		<del> </del>	<del> </del>	<del>                                     </del>		6.1	
5.1	62.8	Pale, brown feldspar, porphyry with moderate to			M	11			<del>                                     </del>	<del> </del>	<del>   </del>		<del> </del>	<del></del>	<del> </del>		6.4	
		strong argillic alteration				Ħ			<del>                                     </del>		<del> </del>		<del> </del>	<del> </del>	<del></del>		8.2	_
	<u> </u>	- matrix appears gritty and locally tuffaceous but			T	11			<del> </del>		+		<del> </del> -	-	<del> </del>		10.4	
		is likely a textural variation of porphyry			$\top$	$\dagger \dagger$			<del> </del>	<del>                                     </del>	<del>                                     </del>		<del> </del>	<del></del>	<del> </del> -		11.9	
		-no significant veining or potassic alteration		in-	╅	††			<del>                                     </del>		+				<del> </del>		4.0	
		seen elsewhere in Zone 3			$\top$	11			<del>                                     </del>	<del></del>	<del> </del>			<del> </del>	<del>                                     </del>		4.6	-
					十	11			<del> </del>		<del>                                     </del>				<del> </del>		5.2	
		6.1-10.0: intense argillic alteration shearing and			十	П	3743	10.0	12.0	2.0	000	0.01	.0.01	2 01			7.7	
1.		clay gouge			+	H	3173	10.0	12.0	2.0	0.003	0.01	<0.01	0.01			0.1	
		- broken core, poor recovery to 8.0			+-	Н				<del> </del>					ļ		3.2	
					╁	╁┼		<del></del>	<del> </del>								6.2	
		11.2-11.9: clay shears @ 80-90°			s	††			+			<del></del>		<u> </u>	<u> </u>		9.3	
		- irregular carbonate-quartz veinlets	_		+	Н			ļ						ļ		2.3	
			_		+	H					-			<b> </b>	ļ		5.4	
		14.0: 1-2 cm quartz/carbonate vein @ 60°	+		+	Н.	3744	14.0	16.0	0.0							8.4	
			_		+-	H	3/44	14.0	16.0	2.0	40.003	0.02	<0.01	0.01			1.5	
		14.5: clay gouge	_		sH	╁┼											4.5	
			_		Ή	╁											7.6	
		15.0: 1-2 cm clay shear @ 60°	$\neg$		+1	Н				<del></del>							0.6	
			-		Н	+					<del>                                     </del>						3.6	
	1.0	16.3-16.4: carbonate fractures/breccia	-+		╁	╁					<del>├</del> ──┤						6.7	
			-+		╁┤	╁											9.7	
		16.9-17.2: clay alteration and gouge	$\dashv$	<del></del>	<del>;</del> H	+		<del></del>	<del>                                     </del>							<u> </u>	2.8	9
]			$\dashv$		ΉΗ	$\vdash \vdash$		·	<del>                                     </del>							$oxed{\Box}$	]	Ĺ
					+	+			<b></b>									
			-+		++	+										$\perp \perp \perp$	J	L

	PROJ	ECT: GOLDEN LION HOLE: GL-84-22 ND	MUN	T EXPLORATION	OF	CA	NADA LII	CETTE				PAGE	NO:	2				
AVXETVO		GEOLOGICAL DESCRIPTION	MU	PERALIZATION	ALJ					ASSAY	'S		· · · · · · · · · · · · · · · · · · ·				RECO	ЖE
rom	To		X		AS	P	SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn			RUN	Т
		17.7: clay gouge	L.,		S	П											T	T
						$\prod$					T.							Ť
	·	18.6-18.7: quartz-carbonate fracture filling with			Ш	П											T	1
		red hematitic stain			$\mathbb{L}$	Ш					T.							1
			L			$\Pi$					T						1	Ť
		18.9-19.0: quartz-carbonate vein/breccia followed				$\coprod$												1
		by clay fractures and alteration fractures @ 80 -			$\coprod$	П												Ť
		90°				Ш											$\Box$	1
						П												T
		19.0-19.5: irregular clay fractures @ 20-50°			Ш	П								4				Ţ
					$\perp$	П												Ť
		21.5-22.0: clay fractures and alteration	<u> </u>		Ш	Ш	3745	20.0	22.0	2.0	40.003	0.01	<0.01	0.01				T
			<u> </u>		Ш	$\coprod$												Ţ
		22.6: carbonate-quartz veining @ 70°			Ш	Ц												T
			L		Ш	11												Ι
		23.2-23.5: irregular carbonate quartz veining and			Ш	Ц					4.5							T
-+		clay fractures		8, 1	Ш	Ц												T
					Ш	Ц					7							Ι
		24.4-25.8: carbonate-quartz veining in fractures	L		s	$\sqcup$	3746	25.0	27.0	2.0	40.003	0.01	∠0.01	0.01				Ι
-			<u> </u>		Ш	#					-					1.0		Ι
		26.4-26.6: 1 cm carbonate-quartz vein @ 70-80°,	<b> </b>		-	11			ļ		1					<u> </u>		1
		followed by carbonate-quartz fractures with chloritic alteration	<b>!</b>	l		₩						<b></b>					<u> </u>	1
-+		chioritic afteration	<del> </del> -		┵	₩					<del>  </del>					<b></b>		1
		26.7-27.0: carbonate-quartz vein breccia and	├	<del> </del>	+	₩									<u> </u>	<del>  </del>		4
		irregular veinlets	<del> </del>	<del></del>	s	₩					<b>├</b> ──					<b>├</b>	<b>├</b> ──	1
		- clay fractures		<del> </del>	-+-	++					<del> </del>	<u> </u>				<del></del>	<del>                  _       _     _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _   _</del>	+
			-	<del> </del>	+	+			<del>  </del>		<del> </del>	<b></b>	<b> </b>			<b></b>	-	+
-+-		27.3: clay gouge and carbonate veining	├	<del> </del>	s	₩			<del>                                     </del>			<b></b>				<del></del>		+
-+	_	27.5: 2 cm carbonate-quartz vein @ 40°	<del>                                     </del>	<del> </del>	러	++	——		<del>                                     </del>		<del> </del>	<del></del>					<del></del>	+
		27.9: vein, as above @ 50°	<del>                                     </del>	<del> </del>	╌	++			<del>  </del>	<del></del>	+		<del> </del>				₩	+
		F	<b>—</b> —	<del> </del>		┿												T

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

INTER		GEOLOGICAL DESCRIPTION	MUTERALIZATION	ALT				ASSA	YS					KEC	XVE
,LOE	To		<b>X</b>	AS	P SAMPLE	FROM	10	LENCIH	Au	Ag	Pb	Zn		RUN	$\top$
		30.3: 5 cm clay fractures and alteration followed		Ш	3747	30.0	32.0	2.0	40.003	0.01	<0.01	0.01			_
		by 2 cm carbonate quartz vein @ 50°		Ш	T										╅
		31.0: 10 cm of fine, carbonate filled fractures		Ш					1		1				_
	L	-followed by broad zone of irregular clay frac-		Ш											_
		tures and carbonate veinlets		$\Pi$					1						+
				Ш					<del>                                     </del>						_
		-continue in brown/grey porphyry (tuff?) with grey		M	T				<del>                                     </del>		<del>                                     </del>				+
		carbonate alteration patches in matrix		$\Pi$	3748	35.0	37.0	2.0	0.003	0.04	≥0.01	0.01			十
		-weak-moderate argillic alteration		$\Pi$	1				1		1	1			_
				$\Pi \Pi$		<del>                                     </del>			<del> </del>		<del>                                     </del>		$\vdash$		+
		37.5: clay fractures and irregular carbonate veins		$\Pi$	3749	40.0	42.0	2.0	₹0.003	0.01	20.01	0.01			+
		@ 60-70°		$\Pi$	1 3 1 2	· · · · · ·	12.10		70.003	0.02	-0.01	10.01			+
		42.1-42.4: strong clay shear @ 85°		111	†	<del>                                     </del>			1		<del> </del>		<del></del>		╅
		42.8: 10cm intense clay alteration		611	<del> </del>	t	1		+	<del> </del> -	<del> </del>	<del> </del>	<del></del>		+
		44.0: carbonate vein/breccia @ 45°		fil	1	<del>                                     </del>	1		<del>                                     </del>	<del> </del>	<del>                                     </del>				+
		44.2-44.7: strong clay alteration		s		<u> </u>			†	<b></b> -	<del> </del>				╅
		45.1-45.4: irregular carbonate vein/breccia			3750	45.0	47.0	2.0	0.003	0.04	<u> </u>	0.01			╅
	1000	47.1: clay fracture and carbonate-chlorite vein			1		1		1	0.04	0.01	0.01			+
	3.3	@ 45°		$\Pi$			1		<del>                                     </del>		<del>                                     </del>		<del></del>		+
		47.3-47.7: strong argillic alteration finishing		$\Pi$		<del>                                     </del>	1		<del>                                     </del>		<del>                                     </del>		<del></del>		┿
		in 70° clay shear		$\Pi\Pi$							<del>                                     </del>				╅
		48.0 reddish hematitic stain; becomes common		$\Pi$	3751	50.0	52.0	2.0	0.003	0.01	40 01	0.01			+
	Mark	53.0-53.7: intense clay alteration and fractures		s	3852		57.0		€0.003						╅
				Ш		1			10.000	V.V.	1	V.V.			╅
	1.54	-zones of strong clay alteration continue to end		$\prod$	3753	60.0	62.0	2.0	0.003	0.01	40 OI	0.01			+
				Ш					1		W . W .				$\top$
		62.8 End of Hole		Ш											+
				$\prod$											+
									T						十
															$\top$
															+
					T				<del> </del>		<del> </del>			<del></del>	+-

### 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 <u>REFERENCES</u>

- 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.

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

GROUP GL-2:  $\frac{1570.2}{2474.9\text{m}}$ : 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:

- 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).
- 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.

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

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