### GEOLOGICAL BRANCH ASSESSMENT REPORT

11,016

ASSESSMENT REPORT ON WORK COMPLETED ON CROWN GRANT CLAIMS: IRON DUKE L1600 AND COPPERFIELD L742 OSOYOOS MINING DIVISION BRITISH COLUMBIA

N.T.S.:	92 H/8E
Latitude:	W 120° 2' 46"
Longitude:	N 49 <sup>0</sup> 26' 15"
Owner of Claims:	Mascot Gold Mines Limited, Vancouver
Consultant:	W.G. Hainsworth, P. Eng.

W.G. Hainsworth, P. Eng. December 17, 1982

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#### Appendix A - Drill Hole Location Survey

B - Diamond drill logs with assay results (in numerical order)

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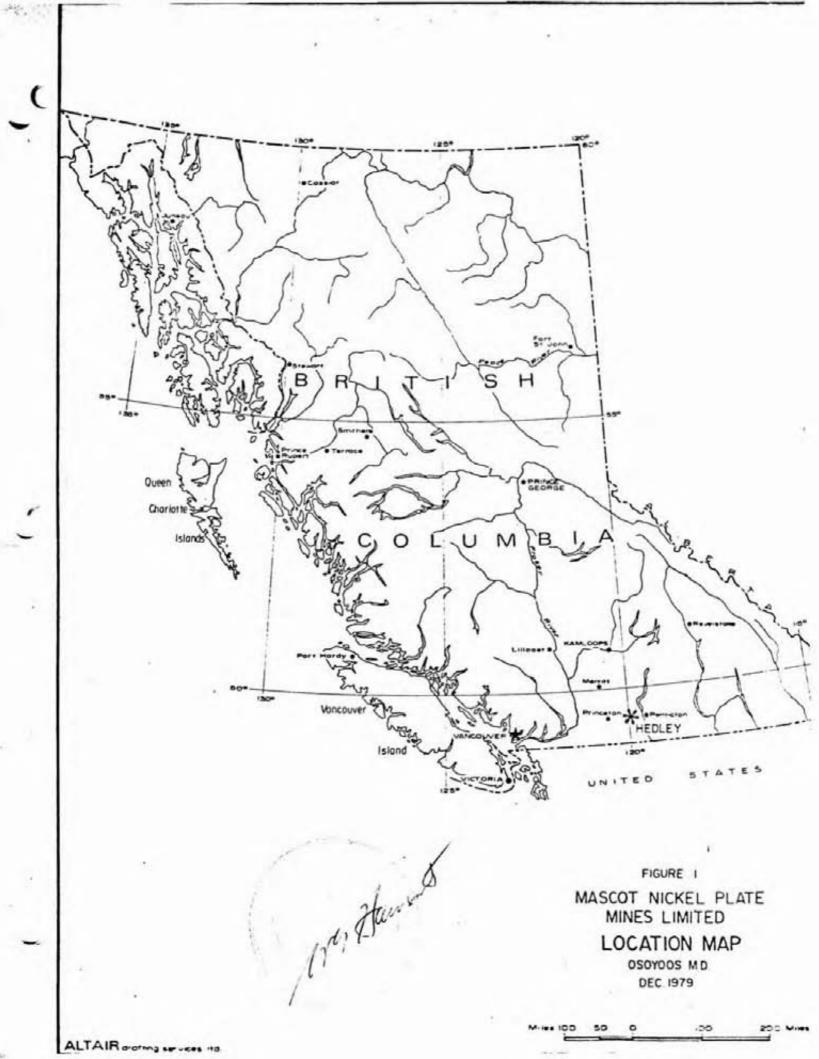
#### Location and Access

The Nickel Plate Property is located some 340 kilometers east of Vancouver near Hedley, British Columbia, which is on the Southern Trans-Provincial Highway. The claims lie along the southern and western slopes of Nickel Plate Mountain, some 3.5 kilometers to the northeast of Hedley.

The area is serviced by highway transport from Vancouver, the major supply centre, and from Penticton, a growing service centre some 45 kilometers to the east and Princeton, 40 kilometers to the west.

Access to the property is by a 20 kilometer gravel road from Hedley that follows the south and eastern slopes of Nickel Plate Mountain to the former Mine camp. This road continues some 5 kilometers to Nickel Plate Lake near the present Apex ski resort. Apex is connected to Penticton by some 5 kilometers of well maintained gravel road and some 30 kilometers of black top road.

Ant



#### Physiography

The Hedley area lies within the Interior Plateau of British Columbia. However, the southern portion of the Plateau is unlike its table-like northern extension in that dissection has obscured the level surface. The Plateau in the general Hedley area presents high, undulating topography which rises to the southeast. The dissection of the Plateau is most noticeable in the Similkameen Valley where it was cut by early river erosion forming strong features that were further deepened and rounded by later glacial action. Small streams emptying into the Similkameen River forged sharp, canyon-like valleys in the walls of the main valley.

-2-

The area is below tree line and only the mountain peaks emerging from the Plateau carry stunted tree growth or are barren.

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#### Property

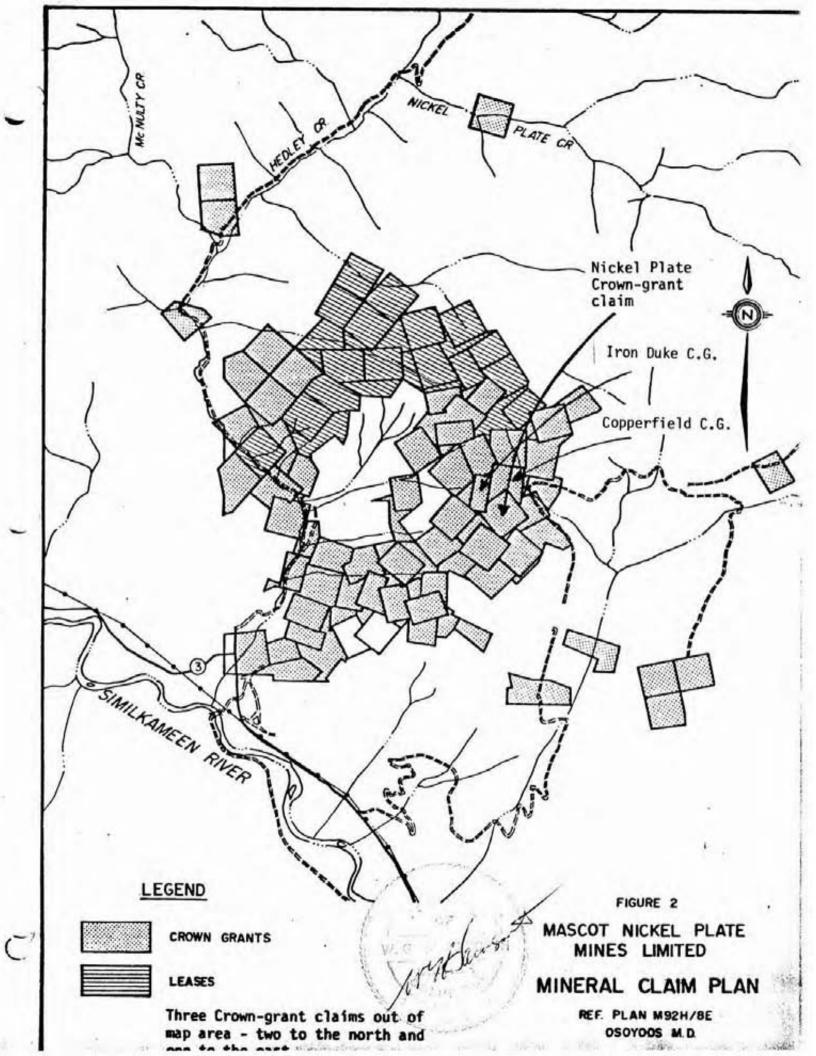
The Mascot Nickel Plate property holdings consist of eighty-three Crown-granted mineral claims, three mineral claims held by location, two mineral leases, surface rights on fourteen Crown-granted claims and one land lot. It also holds several water licences.

All the mineral claims and leases are in good standing as are the surface rights (See Appendix "C"). In total, the claims aggregate some 3,848 acres.

The claims, which form a solid block save for a pie-shaped wedge in the north central area, lie along the south and west slopes of Nickel Plate Mountain between 920 and 1,860 meters (3,000 to 6,100 feet) in elevation.

The property is in the Osoyoos Mining Division of British Columbia. Reference N.T.S. 92 H/8.

1. als



#### History

The history of the Hedley gold camp dates from August, 1897, when Peter Scott came in from the Slocan silver camp, British Columbia, and located the "Rollo" claim. A year later Wollaston and Arundel, two experienced prospectors, located the Horsefly, Bulldog, Sunnyside, Nickel Plate and Copperfield claims. Ore specimens from these properties came to the attention of M.K. Rodgers, agent for Marcus Daly of Anaconda fame, and a bond was taken on them in 1898 and development work was started the following year. However, prior to the commencement of production the Daly group in association with New York capital formed the Yale Mining Company ("Yale") to purchase and operate the Hedley properties and the Daly Reduction Company to operate the forty stamp and large cyanide mill and power house.

Yale statted production in 1904 by surface pit mining on an outcrop which is the only surface exposure of the seven ore bearing zones of the entire Nickel Plate system of orebodies. No. 3 Adit, now referred to as B Adit, (5,750 feet - 1,750 meters) first serviced the underground operations, but was superceded in 1907 by No. 4 Adit, now referred to as A Adit (5,600 feet - 1,700 meters). Under the Daly interests, mining proceeded without the benefit of development exploration work.

In August, 1909, a reshuffle and infusion of new interests brought the Hedley Gold Mining Company in as mine operators with the Daly Reduction Company involved as mill operators. Underground development which had been lacking was undertaken to open and explore new territory. A deep winze, the Dickson Shaft, was laid out from the 4 Adit. The Dickson Shaft, which was inclined at 30°, was eventually sunk 1,500 feet (457 meters) to the 1,500 level (4,850 feet - 1,480 meters).

The Hedley Gold Mining Company extensively mined the high grade Sunnyside 1, 2 and 3 orebodies and the Sunnyside 4 which they discovered. However, this company's attention to geological structures and interpretation was negligible with the result that by 1930 the known orebodies had been mined out.

Commencing in 1929, a well recognized geological engineer, Paul Billingsley of Denver, spent two years mapping the underground workings and working out the geological complexities of the ore process. In 1931, he presented his findings to a New York group of financiers who took an option on the property. Two years were then spent by this group on an extensive program of diamond drilling and underground exploration and development before they exercised the option. A new company, the Kelowna Exploration Company Limited ("Kelowna"), was formed to operate the Nickel Plate property which was put back into production in 1934 and continued to operate until 1955.

A small fractional claim, the Mascot Fraction, was staked by H. Woods of Hedley, within the Nickel Plate claim block and despite pressure, he resisted efforts by the Daly group to sell it. However, in 1935, he, along with the owners of a number of claims on the western slope of Nickel Plate Mountain, sold their holdings to a Vancouver group who formed Hedley Mascot Gold Mines Limited (HMG) a predecessor company to GMR. Despite great physical difficulties a mine plant and camp was built on the cliffs above Hedley and later the mine plant was connected by an aerial tram line rather than an inclined tramway used by Kelowna to a cyanide and flotation concentrator in Twenty Mile Canyon some 18 kilometers north of Hedley. The Mascot Fraction ore reserves were mined out in April, 1949 and in the mid 1950's GMR sold all its interests in mineral claims and lands in the Hedley area.

In 1941, the Kelowna sank the steep Morning Shaft from the 1,500 level (the bottom of the Dickson Shaft) along the west boundary of the Mascot Fraction to service the deep Morning orebodies. These orebodies were mined on four levels and the lowest level, 4,150 (elevation above sea level) (1,265 meters) was connected with the HMG Mascot Fraction workings for ventilation and access.

The Nickel Plate Mine was shut down by Kelowna in 1955 and all the equipment and buildings removed.

In the summer of 1964, Dundee Mines Ltd. optioned the property and undertook a limited diamond drill program on the Warhorse claim to explore a virtually untested area of the South Rim. They drilled eight holes totalling some 3,513 feet (1,071 meters). The results were encouraging with 5 of the holes intersecting values. However, they dropped their option without doing further work.

In 1967, Giant Mascot Mines Limited, now G M Resources Limited, (GMR) through its wholly-owned subsidiary, G.M. Explorations Limited ( N.P.L.) acquired an option on the property from Burden Investors Services, Inc., (Burden) the parent of Kelowna Exploration Company Limited (Kelowna). After completing in the period 1967-1970 the work obligations under the option that were mainly oriented to the search for copper mineralization within the workings of the former gold producer and the property in the South Rim area a new private company, Mascot Nickel Plate Mines Limited (MNP), was formed with GMR holding 75% of the issued shares and Burden 25%. Burden is also entitled to receive up to \$250,000 in the aggregate by way of a royalty on the net proceeds of production from the Nickel Plate property on a sliding scale based on the value per ton but not exceeding 1% of the net proceeds from any shipment. The 1967 to 1970 program that was carried out under the direction of GMR included geophysical and geological studies, geochemical surveys, sampling and diamond drilling in the South Rim (including the Bulldog area), Nickel Plate and Sunnyside areas.

In 1973, MNP undertook a program, primarily for assessment purposes, and drilled three surface diamond drill holes aggregating 1,973 feet (601.5 meters).

No further work was done on the property until the early summer of 1979 when MNP undertook a \$200,000 program to make the mine workings accessible from 4 level through to the surface and to sample certain areas as they became accessible.

1. no

In 1980, Mascot Gold Mines understook a large surface and underground drill program which continued until June 1982. During this period 97 surface holes totalling 14,480 feet (4,412 meters) and 377 underground diamond drill holes aggregating 32,486 feet (9899 meters).

The drill work was contracted out to Drilcore Ltd. of Richmond, B.C. who had two BQ size diamond drill rigs do the surface work, while the underground drilling utilized up to four machines of AQ core size. All drill core was split and sent for gold analysis and on occassions silver. Core is stored in sealed core shack on the property, some 500 yards from the main portal. All core boxes are marked with plastic indentation strips as to hole number and footage.

Assaying was done by three laboratories, General Testing, Chemex and Min-En, all of Vancouver.

Surveying of all drill collars was done by the Company surveyor.

The area represented in this assessment report (Lower Purple extension) is but one small section of the drilling pattern. In this particular investigation area, the contractor drilled 24 underground holes of AQ size for a total of 2527 feet (770 meters). In addition information from 23 other holes drilled by past operators was used in the final analysis. The time for this particular drill segment was over a 19 working day period. Drilling was on a 2 shift basis with 2 men per machine.

1. At

#### ANALYSIS

The drill pattern from the underground drifts is shown in Figure 3 cross sections of this drilling plus the incorporation of past drilling are shown in Sections V + 25 through to VIII. Scale of these cross sections is 1:360 (1" = 30').

The intention of the drilling was to check the economic viability of continuing the stopes, which had been stopped in 1955 up the dip. The drilling proved this to be feasible.

Drill logs of the 24 holes complete with assays which had been used in this project are attached as Appendix "B".

with

#### ITEMIZED COST STATEMENT

Diamond Drilling		
	feet @ \$16.50/foot =	\$40,432.00
	and lodging n for 19 days @ 22.32/day) =	1,696.00
Assaying -	40 FOL	
352 samples (	\$9.50/sample =	3,344.00
Miscellaneous -		
	Engineer: supervision and consultat /s @ \$275/day =	5,225.00
Management -	19 days @ 200/day =	3,800.00
	and splitting labour -	
19 day	/s @ \$96/day =	1,824.00
Surveying - S	\$2200 x 19/30 =	1,393.00
		\$57,714.00

#### CERTIFICATE

- I, W.G. Hainsworth, P. Eng., of Vancouver, B.C. do hereby certify:
  - That I am a Consulting Geologist residing at #4 4100 Salish Drive, Vancouver, B.C.
  - (2) That I am a graduate of the University of Western Ontario, London, Ontario, Bachelor of Science Degree, Honours Geology.
  - (3) That I have practiced my profession for some 30 years.
  - (4) That I have been a continous member of the Association of Professional Engineers of British Columbia since 1965 and am a Professional Geologist registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1979.
  - (5) That I have no financial interest, direct or indirect, in the Mascot Gold Mines Limited, and do not expect to obtain any such interest.
  - (6) That the information contained in this report is based on repeated visits to the Nickel Plate property of Mascot Gold Mines Limited and familiarity with the operations, past and present.

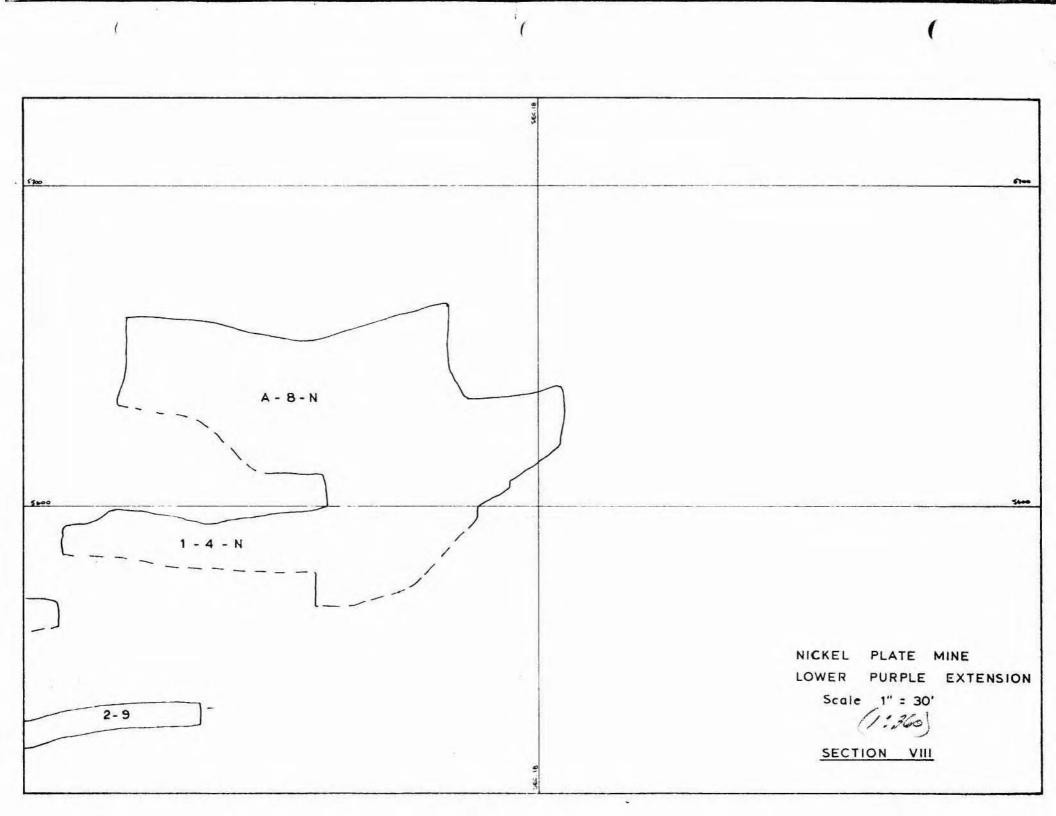
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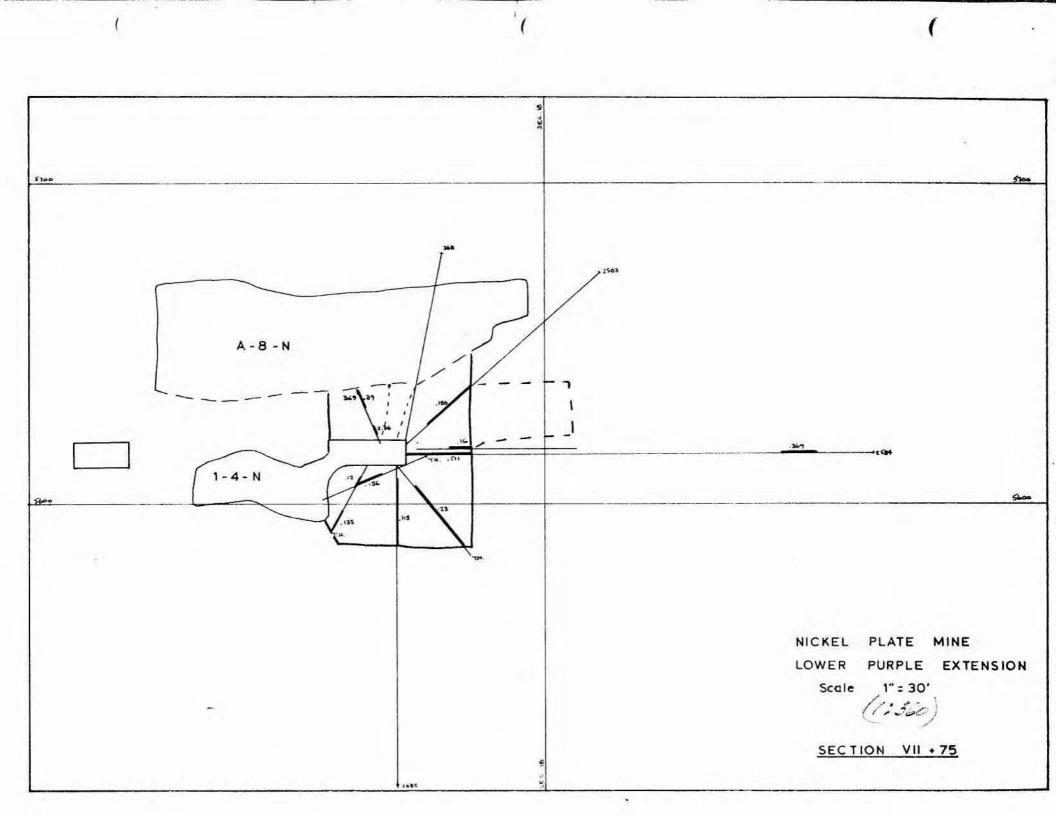
W.G. Hainsworth, P. Eng. (B.C.) P. Geol. (Alta.) APPENDIX A

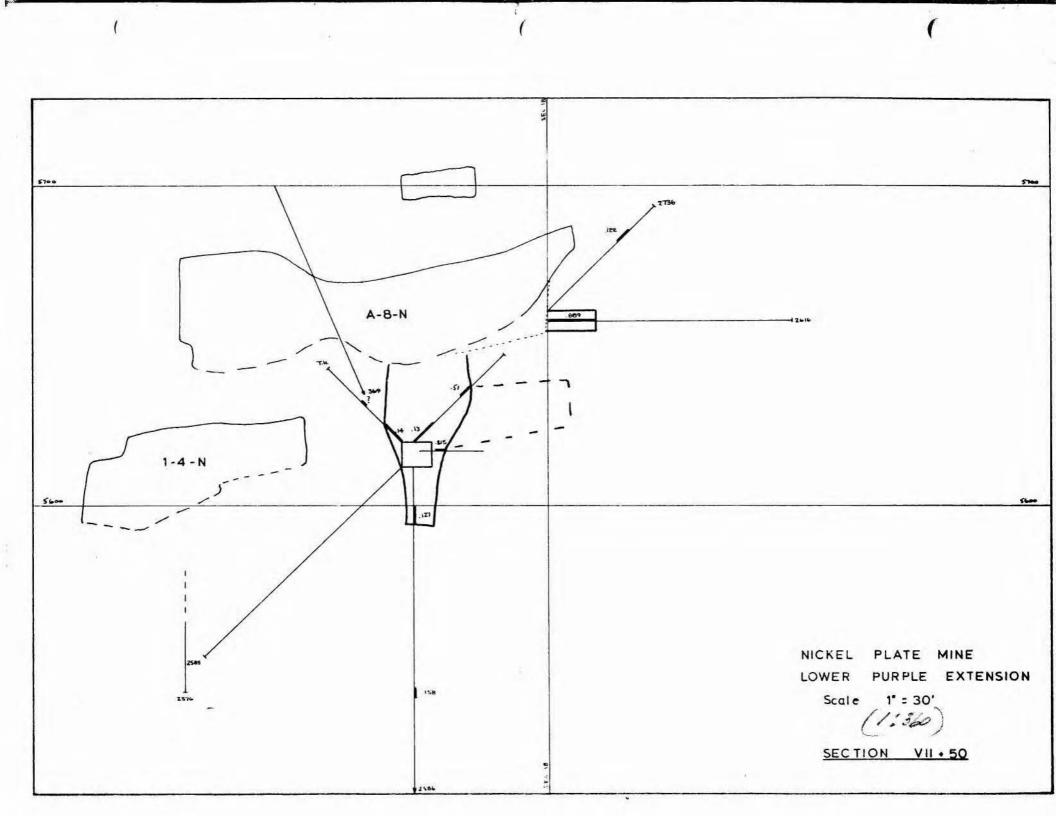
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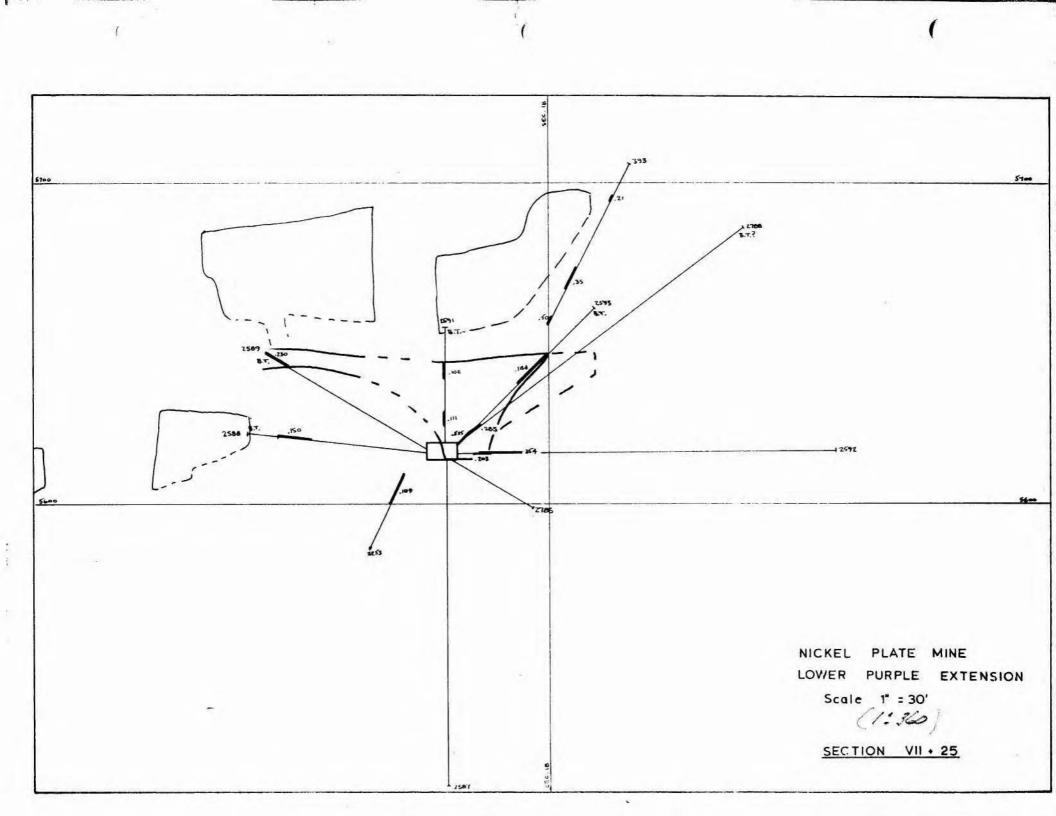
	HOLE NO.	LAT. (N)	DEP. (W)	ELEV.	AZ	DIP	LENGTH
1	2582	4435.77	4040.76	5611.32	-	-90 <sup>0</sup> 15'	175 -
-	2583	4437.54	4039.19	5617.77	35 <sup>0</sup>	+40° 45	80 1
	2584	4437.98	4039.06	5615.42	310 45'	+20	146 —
1	2588	4413.06	3999.29	5615.97	2130 15'	+40 30'	56 —
	2589	4412	4402	5618.42	217 <sup>0</sup>	+30	60 —
	2591	4418.38	3997.36	5612.63		+90 <sup>0</sup>	36 —
	2592	4422.56	3996.57	5615.92	30 <sup>0</sup>	+3 <sup>0</sup> 15'	117 -
	2593	4421.56	3996.45	5618.62	35 <sup>0</sup> 30'	+450	61
1	2596	4356.52	3949.44	5616.85	2160 05'	+90 33'	158 —
	2597	4379.34	3965.87	5618.73	340 29'	+45° 57'	125 -
1	2598	4356.91	3949.27	5612.45	2150 15'	-41° 14'	194 —
	2599	4343.42	3927.58	5613.29	209 <sup>0</sup> 46'	-45° 20'	161 -
ł	2600	4349.40	3925.33	5619.04	310 24'	+45° 33'	90 —
;				-			
1	2602	4330.16	3907.39	5615.57	211 <sup>0</sup> 34'	20 47'	92 —
1	2603	4331.05	3906.83	5617.99	207 <sup>0</sup> 48'	44 <sup>0</sup> 53'	123 -
	2604	4364.48	3944.74	5620.15	35 <sup>0</sup> 49'	+46° 28'	125 -
1	2605	4329.86	3906.56	5614.00	210 <sup>0</sup> 30'	-27 <sup>0</sup> 34 '	71 —
Î	2607	4322.62	3887.94	5616.33	29 <sup>0</sup> 06'	-11° 41'	88 —
	2608	4322.25	3888.14	5616.97	28 <sup>0</sup> 55'	+31° 50'	140' -
į	2647	4408.50	3926.83	5682.40	025 <sup>0</sup>	-75 <sup>0</sup>	, 55
	2649	4425.89	3952.22	5672.93	18 <sup>0</sup> 30'	-78 <sup>0</sup>	۰ <u>،</u> 45 —
	2754	4373.01	3866.42	5702.21	20 <sup>0</sup>	-45° 30'	71 -
i	2788	4422.00	3996.13	5618.53	35 <sup>0</sup> 46'	+36° 46'	111 -
1	2586	4421.07	4028.80	5612.03	100	-90°	152 -

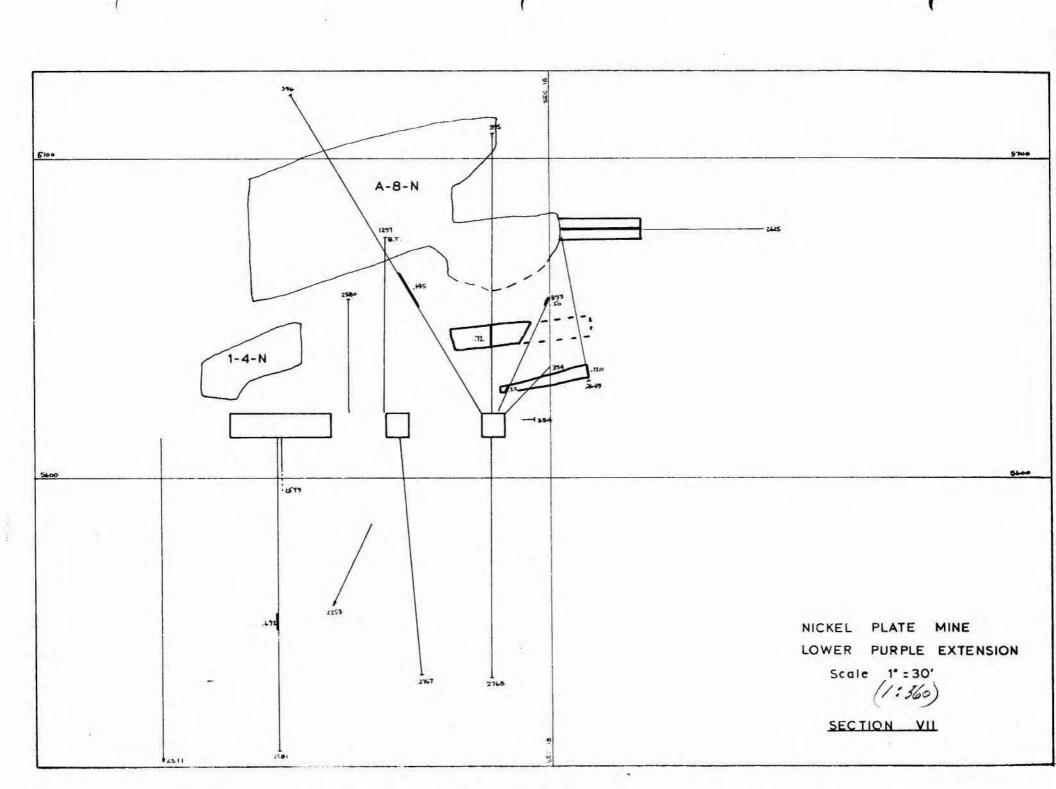
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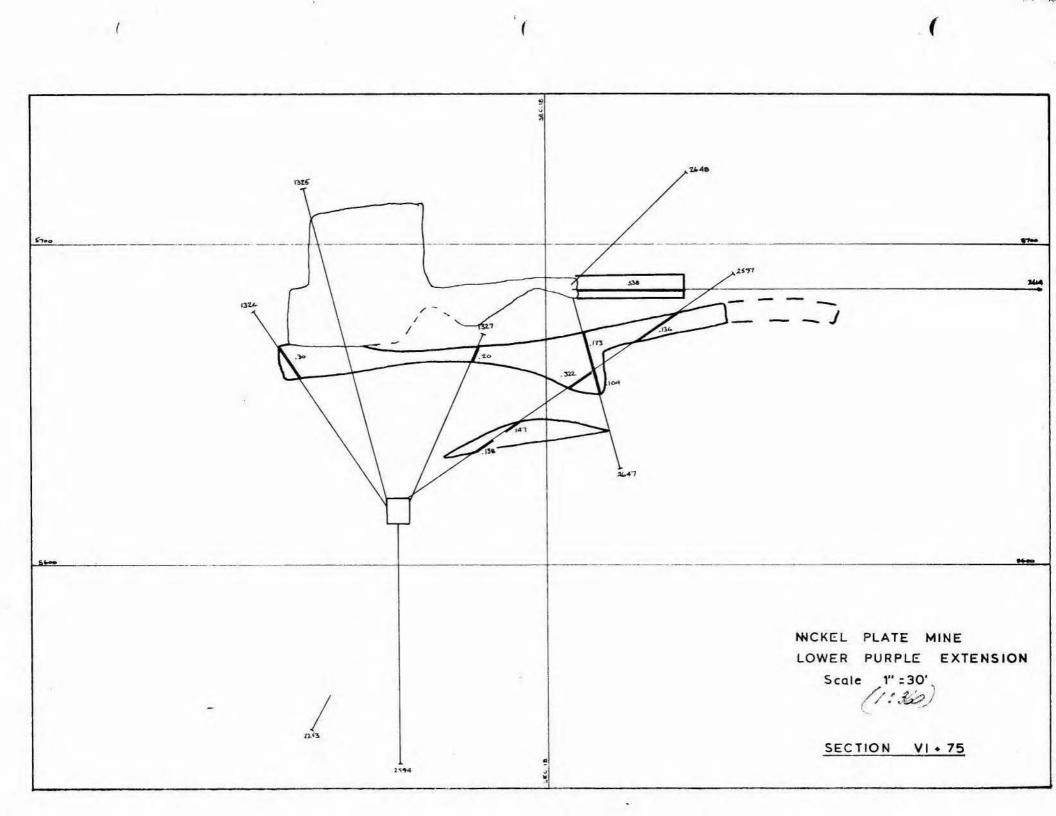


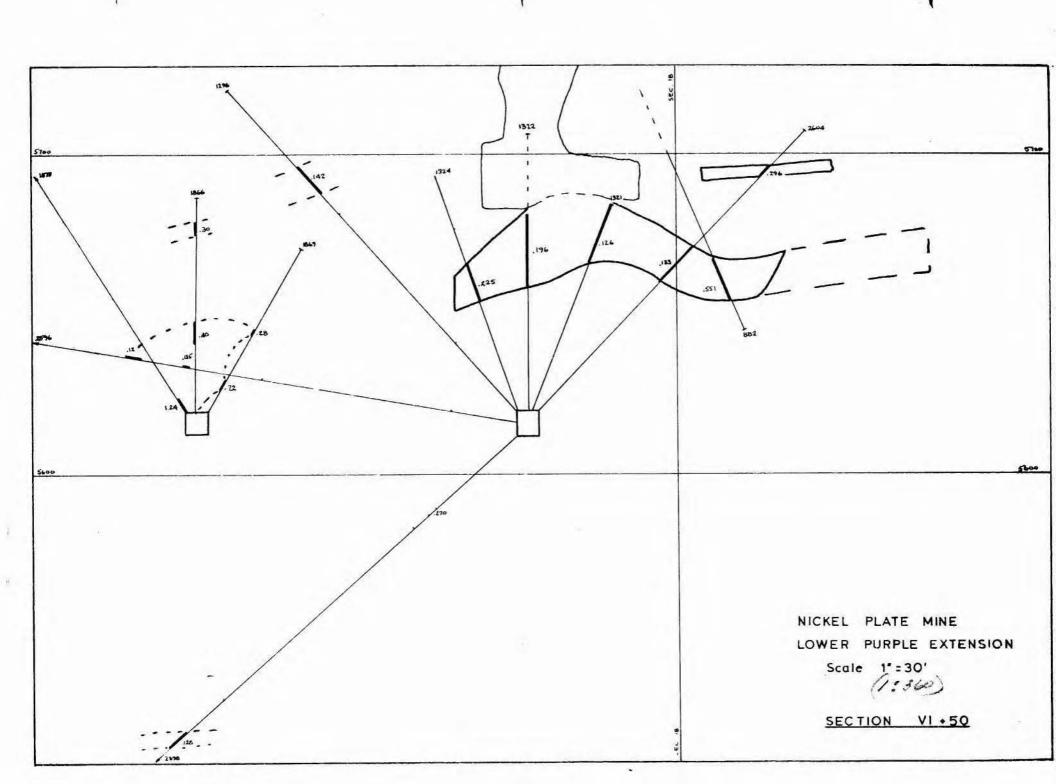


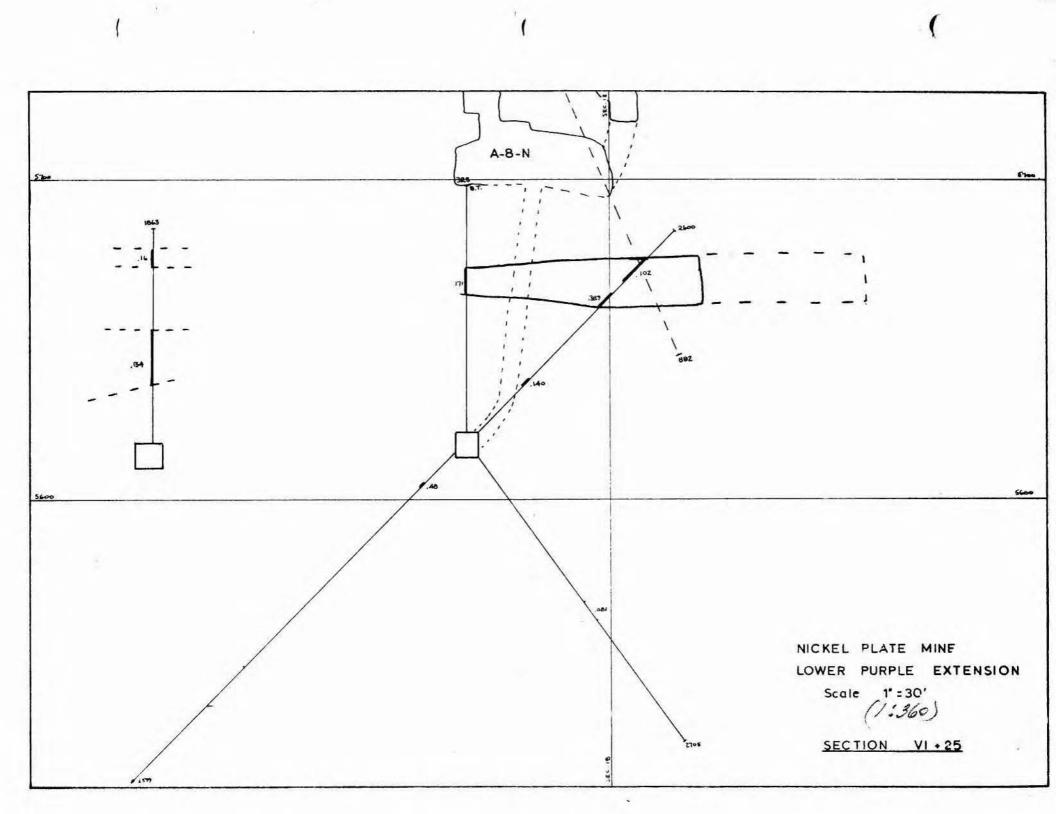


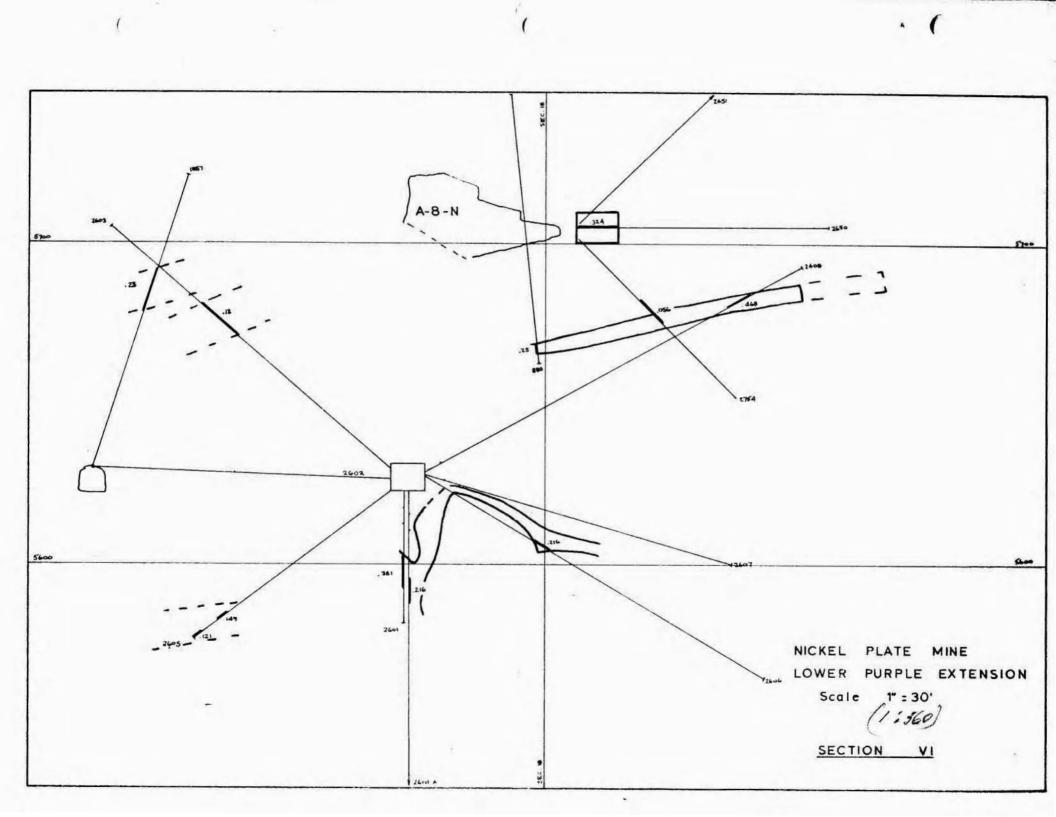


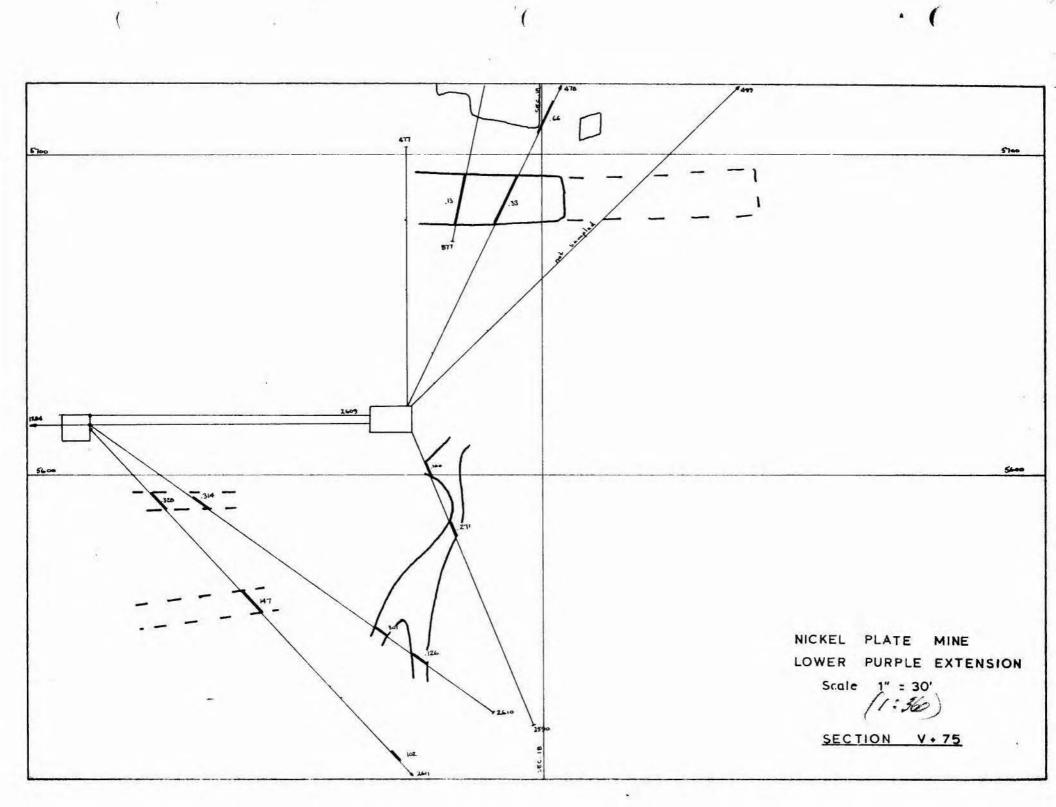


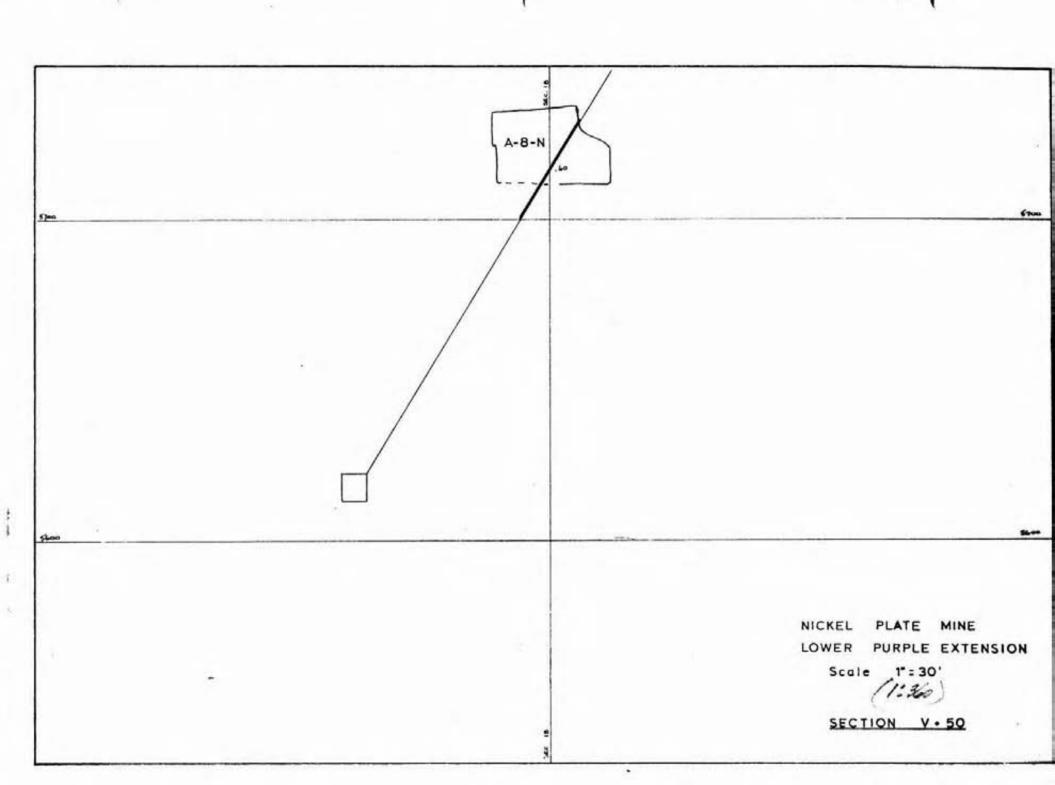


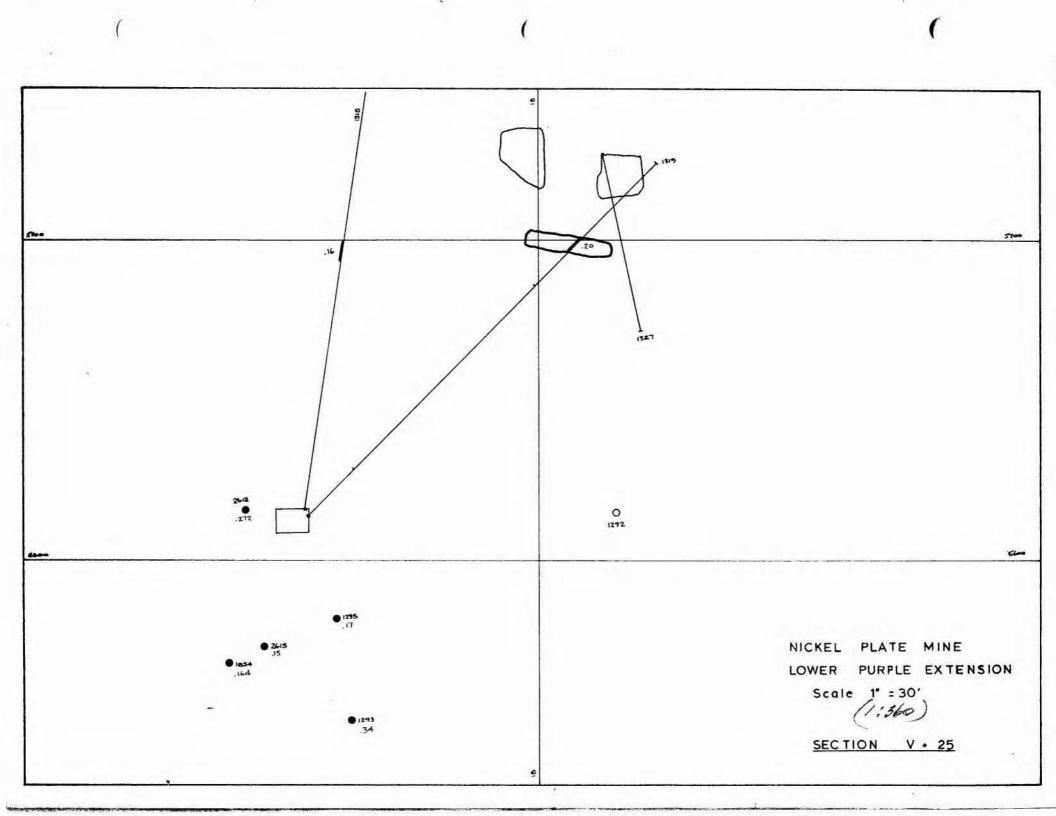












VHNCOUVER

		ILL HOLE RECORD     Level     A       LD MINES LIMITED     Date Started     Feb.	19	Lot Dep Eler	p.	399	2.00 6.13 8.53	S	tole No. Theet No. Core Size		2788 1/2 AQ	Dip Tes	
ASCO	I GC	Date Finished Feb. Depth 111' B.	19/82	-	oring	03	7 <sup>0</sup>	L	ogged b	YG. G	RIESBACH 24/82		
FOOT	AGE	DESCRIPTIONS				-	CORE A	SSAYS				R	ECOVE
FROM	то	DESCRIPTIONS	NO.	FROM	то	FEET	Au X74	*				RUN	SHOR
0	0	Argillite: finely interhedded light greenish grey	54954	0	9	9	.285					0-31	0
		Argillite: finely interbedded light greenish grey argillite (very predominant), cherty argillite, and	55		13.6	4.6	.037					31-36	1
		minor chert breccia and impure limestone. Minor pyrr.	56			6.4	.036					36-41	
		and scattered chalcopyrite. Minor asp. @ 7' - 9'.	57	20	26	6	.022					41-46	
				26	35	9	.015					46-54	
9	13.6	Chert Breccia: 95% small rounded to subrounded chert	59		42	7	.029					54-61	-
		clasts in a siliceous matrix which contains an	60		49	7	.015	-				61-66	
1		abundance of small calcite blebs. Irace pyrr. and	61		56	7	.069	-				66-96	
		chalcopyrite.	62		63	7	.067					96-101	
13.6	20.7	Argillite Breccia: light greenish grey argillite contains		62	69	1	.001			-		101-106	
		a small number of argillite and cherty clasts up to	54965		76	1	.014	12,	- manage	-		106-111	1
		3 cm, in size and rare, pure limestone clasts up to	66		83	7	.031			-		-	-
		1.5 cm.	67		90	7	.020	in the second	- Contractor	10-0-0			
				90	97	7	.001						-
20.7	66	Argillite: finely interbedded light greenish grey and	55044		101	4	.001						-
		dark cherty argillite. Minor pyrrhotite throughout.		101	106	5	.001						-
-		Moderate asp. @ 19.5' - 20', 26' - 28'. Minor asp.	46	106	111	5	.001	-				_	
		@ 31' - 35'. The rock is very chloritic and contains	-			-					and the second		-
		abundant chlorite veins @ 53' - 66' within a fracture			-		-	la mart				-	-
		and faulting system in which the predominant		-	-	-							-
		fracturing is 40° to the CA.	-			+	in and the			-		-	
		tit i for allowed almost sums measuretallized		-		-							
66	69.3	Limestone: buff coloured, almost pure recrystallized limestone. Nil mineralization.			+	10	-						
		Inmestone. Nil mineralization.		-	-								
1 00 0	70	Argillite: limey argillite.			-			1					-
69.3	72	Arginine, nimey arginine,			1								-
72	73.5	Chert Breccia: 97% chert clasts ( 5 mm.) in a limey											1
12	13.5	matrix. True thickness is 3-6". Bedding contact is		1						1			
	-	about 10° to CA.	1					1 1 1 1 1					
	00-0-0												
73.5	95	Argillite: light grey, limey argillite with numerous											
10.0		lamellae and thin beds of bluish grey cherty argillite											
1 2		Much of the limey argillite has been mildly skarned			-								
-		and abundant pyroxene porphyroblasts are present.			1. 2	1							
		Bedding is 35 to CA. @ 84', 30 @ 95'. Very fine.	Larcher .										
		disseminated, sparse pyrrhotite and asp. unevenly								11-1			
1		distributed throughout.											
					1					-			

## DIAM

OND DI	RILL HOLE RECORD	Level A Location A 08			. 442				Hole No Sheet N		2/2		Dip Tes	15
SCOT G	OLD MINES LIMITED	Date Started Feb.	10			18.53			Core Siz		AQ			
5001 6	OLD MINES LIMITED	Date Finished Feb.	10/92	Bac										
		Depth 111' B.T.	19/02	Slog	ining (	350			Loggeo	Gy G.G	riesba	cn -		
FOOTAGE		i Depin III b.I.		1 5105	Je 1	_	CODE AC	CAYC.		Feb	24/8		-	FCOUF
FROM TO	DESCRIPTIONS		NO.	FROM	то	FEET	CORE AS	SATS		-	1	-	RUN	SHORT
95 106.2	Argillite: very dark blue cherty arg	illite with several	NU,	FROM	10	FEET	-	-					HUN	SHORT
95 100.4	this bade of mildly pyroyone skaw	ned moderately				-			-					-
	thin beds of mildly pyroxene skar siliceous argillite. Bedding is	30° to CA throughout		-	-	-								-
	Extremely fine, almost aphanitic	overy distri-			-	-		-	-	-				-
_	buted. Nil asp.	pyrr. eveny discri-	-		-	-			-	-				-
	buced. Mil asp.		12-11		-						-			
106.2 107.5	Brown Dike: aphanitic medium brown m	atrix with a minor				-				-	-			-
	amount of barely visible (minute)	mafic phenocrysts.			-									-
	amount of barely visible (minute) Both contacts are sharp and are 4	5° to the CA.	-			-								-
				the set of	-						-			-
107.5 111	Argillite: same lithology as 95' - 10 somewhat broken by proximal fault	06.2' but has been						-						
	somewhat broken by proximal fault	action and injected						2.0.0						-
	with chlorite and calcium carbona	te.												
						-								
B.T.														
	the second s													
	and a second		-						-		-	-		
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			100											
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				192-11				1.30	1		1.2.2.2.1		2	
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				and the second s										1

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### DIAMOND DRILL HOLE RECORD MASCOT GOLD MINES LIMITED

Property\_

Level	Lot. 4375 N	Hole No. U 2754	Dip Tests
Location A-8-N	Dep. 3864 W	Sheet No.	DH
Date Started	Elev.	Core Size	
Date Finished	Bearing0250	Logged by	
Depth 711	Slope _450	21/01/82	
		ASSAYS Bedding	RECOVERY

		and the second	Depth 71		Slop	e _4				21/0				
	FOO	TAGE	DESCRIPTIONS	1		1000		CORE A	SSAYS	Beddi	na		ECOVER	Y
	FROM	TO		NO.	FROM	то	FEET	*	*			RUN	SHORT	T
	0	31.2	Skarn - Moderately skarned argillaceous limestone. Light	54106	0	7		040						t
			grey, fine grained rock with occasional beds containing pyr-			4		.042		30 <sup>0</sup>	2'	0-7	11	t
		1.5	oxene porphyroblasts. Nil asp. Minor pyrr, Fault present in			34		.026		50° 30°	9'	7-12	1.8'	t
			stope accounts for missing core.			35		1056		300	36'		9 6'	t
	21 2	34	Chert Breccia - Predominantly angillite with \$5% chert frag-			43		056		100		10.2	6 4.5'	t
			Chert Breccia - Predominantly argillite with ≤5% chert frag- ments ≤3mm with one exception of .20mm. Very small amount			48		012				25 4	3 0	t
			of asp.	-		54.5		022				42.7	1 2'	⊢
	24	54 5	Skarn - Moderately skarned argillite minor asp. @ 44.9'-45'.	-		58		.002				43-1	4 6	ł
		1 34.0	Pepper rigid, rare native copper crystals @ 49'.			43		1004					-	┝
	64 6	58		54115		21	-	1002						⊢
		71	Porphyry - Brownish grey, aphanitic matrix with 70% distinct	-		11	-							⊢
	- 20-	11	white feldspar phenocrysts (less than 2mm in size and with				-						-	+
	1		a medium size of 1mm). Nil mineralization.			-							-	-
_	-	71	End of hole.		76		-						-	-
	-	11	End of hore.			-							-	-
	-													-
	-	-		-		-							-	1
		-	and the second					-					-	
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# DIAM

DIANG		-		Level		Lat	4438			Тн	lole No	0264	9	1	Dip Test	s	
DIAMC			ILL HOLE RECORD	Location A-8-N			3963		Route	SI	heet N	lo.	1.00			-	
M	ASCO	T G	OLD MINES LIMITED	Date Started		Elev				C	ore Siz	ze	G		100		
				Date Finished		Beo	ring (	1250		L	ogged	by	-				
Property				Depth 45'		Slop	e -7	50			18/	01/82					-
	FOO	TAGE	BEECOUDTIONS		-			1000	CORE AS	SAYS	Bedo	lina		2.2.	R	COVER	Y
	FROM	TO	DESCRIPTIONS		NO.	FROM	то	FEET	*	*	_ beau	1			RUN	SHORT	-
	0	23 5	Skarn - Moderately skarned chert and ch	erty angillite with													-
1	1ª	L'ded	occasional narrow bands of pure limeston	e. Abundant chalco-							450	1'			0-12	5'	-
			pyrite @ 12'-22', 36.5'-37'. Abundant a	SD. @ 10'-13.9'.							900	4'			12-45		-
/			39.7'-40.1', 43.6'-44'.								450	14'				-	
	23.5	28	Chert Breccia - Argillite containing man	v small bluish, glas	57					4	900	23.5'					
	1	1	chert fragments.		-			1			700	25'					
	28	45	Skarn - Identical to 0'-23.5'							1	550	39'	1	1.1.1.1			
	44	45	Porphyry - Identical to the porphyry in A dark grey porphyry probably is present 30'-53.4'). Large massive blebs of asp.	U2651 (53.4'-59.5').	-		Lane .				450	45'					
		1000	A dark grey porphyry probably is present	around 50' (U2651-	- and		1	-	_				1	-			
	1.		30'-53,4'). Large massive blebs of asp.	@ 43'-44' suggest				-									
	1.		same.			-		-				-	_				
		45	End of hole.					-				-					
	-					-						-					
		-				-	-	-			-	-	-		-		
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	-	-	and the second			-	-			-	_	-		-			
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AMC	OND	DR	ILL HOLE RECORD	Level A Location A-8-	N STOP	Lot E Dep		4408.5	0	-	Hole No. Sheet No.	U 264	7	Dip Tes	ts -	-
M	ASCO	TGC	LD MINES LIMITED	Date Started Jan.				5682 4	0	-	Core Size					
141/	1000			Date Finished Jan.	11/82	Bec	ring	025 N	0 ot urveya	-		y G. GR	IESBACH	-		_
erty		_	the second se	Depth 55'	11/06	Slop	in ing	750 0	URVOVA	h10		Jan.				-
-	FOOT	ACE	the second s	1 Depin 55	1	1 310	JC .	-15 5	CORE A	CEAVE	-	Udit.	13/02 1	1 0	ECOVER	
			DESCRIPTIONS		-							T				ř-
	FROM	TO	<u></u>	0 11 700	No.	FROM	TO		Au	*				RUN	SHORT	⊢
	0	35.1	Skarn: Extremely siliceous, bluish g	rey. Banding /0"	53997	0	7	7	.020	-	-			-		+
	-	- service	at 6', 45' at 16', 35'. Abundant	arsenopyrite at	98	1	12	5	.074		-			-	-	⊢
	-		Skarn: Extremely siliceous, bluish g at 6', 45° at 16', 35'. Abundant 8.5' - 14.5'. Abundant chalcopyr 14.5', 23' - 24'. Moderate pyrrh 21' - 23'. Abundant arsenopyrite	ite at 8.5' -	99	12	17	5	.200		-		- market	-		1
-			14.5', 23' - 24'. Moderate pyrrh	otite at 8' - 15.5',	54000	17	22	5	.146					-		L
			21' - 23'. Abundant arsenopyrite	at 20.5' - 22'.	01	22	27	5	.104		-		-		-	⊢
0.52	-		30.1' - 33'. Nil alteration.		02	21	32	5	.104					_		⊢
					03	32	35,1	3.1	.040	1.1.1			_			L
0	35.1	43	Brown Dyke: Brown, very fine matrix	with minute horn-	04	35.1	42	6.9	.003		-	-			1000	L
-	_		blende phenocrysts speckled with	white alteration	05	42	47	5	.005					-		
			spots. These are haloes around u	nidentifiable	06	47	55	8	.005			-		-		
Sec.			microscopic nuclei. Nil minerali	zation.	_		-					-		_		
	and the second				3 · · · ·											
	43	55	Porphyry: Extremely siliceous bluish	grey, bleached						-						
			porphyry with abundant feldspar p	henocrysts.			6									
							1									
-22-					8		1		1					10.00	6.000	
- 10		END			1						1	-			1.14	
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MAS	FOOT	T GC	ILL HOLE RECORD DLD MINES LIMITED DESCRIPTIONS Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci run approximately parallel to the c	mount of tiny mafic	26/82 No. 55096	FROM	ring	+31 5	7 5' 09" 0' 18" CORE AS	Cor Log		GRIESBACH ch 1/82	RE	COVERY
roperty	FOOT	AGE TO	DESCRIPTIONS Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci	Date Finished Feb. Depth 140' th abundant white nount of tiny mafic	26/82 No. 55096	Bed Slop FROM	ring be	28 <sup>0</sup> 5 +31 5	5' 09" 0' 18" CORE AS	Log	ged by G.		RE	OVERY
	ROM	то	Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci	Depth 140' th abundant white mount of tiny mafic	№. 55096	FROM	be l	+31 5	O' 18" CORE AS				RE	OVERY
	ROM	то	Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci	th abundant white mount of tiny mafic	55096	FROM			CORE AS	SAYS	Mar	ch 1/82 1	RE	OVERY
FR	ROM	то	Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci	mount of tiny mafic	55096	A STREET	TO	-		SAYS			RE	COVERY
		and the second second	Porphyry: Medium bluish grey matrix wi feldspar phenocrysts and a minor am phenocrysts. Several massive calci	mount of tiny mafic	55096	A STREET	TO	FFET						
	0	104.6	feldspar phenocrysts and a minor am phenocrysts. Several massive calci	mount of tiny mafic			_		Au	*			RUN	SHORT
			phenocrysts. Several massive calci			0	10	10	.001				0-5	0
			phenocrysts. Several massive calci		97	10	20	10	.001	1			5-11	2.5
		-			98		30	10	.001		1		11-21	0
					55182		45	15	.005				21-32	1
			bounded by at least one centimeter		83		60	15	.003				32-64	0
	-		limonitic porphyry. These veins an			60	75	15	.001				64-69	3.6
		-	at 13.5' - 15', 21' - 25.5'. There			75	90	15	.001		_		69-74	2.5
			fractured and weathered sections th			90		6 14.6	.004		-		74-94	0
								3.4			-		94-103	
			core length. All missing core is d			104.6	108	3.4	.024					0
			rock. The most prominent fault zon	les are at 5' - 9'.		108	115	1	.468				103-108	++
			64' - 73', 108' - 115'.		52273		121	6	.012		-		108-113	2
							127	6	.061				113-115	
10	04.6	108	Limestone: Buff, almost pure.				133	6	.011				115-130	
					76	133	140	7	.012				130-140	5
10	08	115	Fault: Broken ground consists of coars		6 3	Concentration of the second								
	1.00	0.111220.0	breccia in a slightly limey, extrem	ely chloritic,									-	
	100		argillitic matrix.											
									5		1. 1. Carl			
11	15	119.2	Argillite: From 115' to 119.2' there i	s a slow gradation	1 20 3		1	1						
	-		from finely mixed limestone and sil				-							
			a pure, pale greenish grey argillit											
			disseminated arsenopyrite.	and a particular states and a state of the s	-									
1.0	-													
11	10 2	129.8	Argillite: Very siliceous, fine, mediu	m bluish arev		-	-							
	13.6	123.0	fipely bedded (extremely irregular	at 0-30 · trending			-							
	-		10°) argillite. Mildly brecciated					-			1			
			122' - 124.5'. Minor fine pyrrhoti	to upoyoply dic			-	-						
	-+		tributed throughout	ce unevenity dis-				-						
	-		tributed throughout.					-						
						-	-	-						
12	29.8	140	Skarn: Extremely limey, fine grained,			_		-	-					
			argillite grading slowly into an im	pure buff limestone									_	
			at the end of the hole. Moderate e						_		_		_	
			pyrrhotite and sparse very fine ars	enopyrite. 5' of	-			-	-	_	-			
			core missing from 130' - 140' for n	o apparent reason.				1	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					
			No faulting evidence and core is on	ly slightly ground.				1 3 3 3	2	100				
					and the second s	12,0								
		END												

		ILL HOLE RECORD	Lat. 4322.62 Dep. 3887.94 2 Elev. 5616.33					eet No.	Dip Test	NCO				
MASCOT GOLD MINES LIMITED		Dote Finished March				5616.3 29 0	6' 09"		ore Size ogged by	RIESBACH				
			Depth 88'		Slop	e .	the second s	1' 06"	1	_	Marc	h 1/82	-	
FOOT		DESCRIPTIONS		-				CORE ASS						COVER
FROM	TO			No.	FROM	то	FEET	*	*		-		RUN	SHORT
0	5	Porphyry: Very siliceous medium grey	matrix with abundant	55163	0	5	5	.006	-		-	-	0-5	3
1		feldspar. Three feet of core lost	t due to poor drilling	64	5	10	5	.038	-	-	-		5-30	0
-		technique. No faulting observed.		65	10	15	5	.020	-				30-58	0
				66	15	20	5	.022	-			-	58-88	0
5	28	Skarn: Mottled, almost white to media	m grey, slightly	67	20	25	5	.030				-		
		limey, strongly skarned argillite	with weak irregular	68	25	29.5	4.5	.016		_	-	-		_
		bedding trending parallel to the o	core axis. Moderate	69	29.5	40	11.5	.044						1
	0.000	disseminated arsenopyrite at 5' -	18.5', 19' - 28.3'.	70	40	49	9	.040						
		Abundant coarse arsenopyrite cryst	tals at 18.5' - 19'.	71	49	58	9	.002				0.000		
				55271		73	15	.002		- 10. UL		14		
-	-	Fault: Extremely chloritic, moderate	v oxidized core at	55272		88	15	.002		•				
		15.8' - 16.3'. The fault appears	to trend approxi-	STREET										
-		mately 35° to core axis.	TT TO THE OPPOSIT											
28	29.5	Limestone: White: pure: fine recrysta	llized		7	-	-		-		-			
20	69.9	Limescone, wirte, pure, the recition	1111200.	-			-				-			
29.5	88	Downhumus Plus anou matrix bearing al	undant foldsnam	C	-	-				-			-	-
0.2	00	Porphyry: Blue grey matrix bearing al			10 10 To 10				-	-			-	
		phenocrysts. The core is broken a									-		-	
		much of its length, particularly a			()				-	-				
-		55' - 57'. From 47' to 48.4' the	FOCK 15 EXTREMELY				-	-	-	-			-	
-		broken and oxidized. Good slicker	isides are present				-						-	
-		on fractures which are parallel to The fault movement is 10° to the o	the core axis.			-	10000		-					_
-		The fault movement is 10 to the o	ore axis. No length						-				-	-
-		of core has been lost. The core w	aries in shade due				-		-				-	
-		to uneven bleaching,							-				-	
-	-		110 - 11 - 11 - 11 - 11 - 11 - 11 - 11		-	_	-		-				-	-
-		the second s					-		-	-				-
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		and the second s							_				-	_

DIAMOND DRILL HOLE RECORD			Level A Location A 13 Date Started Marcel	A on A 13 Storted March 10/82			Lat. 4331.05 Dep. 3906.83 2 Elev. 5617.99			Hole No. MD 2603 Sheet No. 1/1 Core Size AQ			Dip Tes	ANCO	UVE.K	
Property				Dote Finished March	2 Bec	aring	5617.9 217					GRIESBACH				
Property		-		Depth 123'	and the states	Slog	De .	+459				Mar	ch 15/82			
	FOOTAGE		DESCRIPTIONS						CORE A	SSAYS				R	COVER	Y
	FROM	то	Descriptions	and the second second	NO.	FROM	то	FEET	Au	*				RUN	SHORT	T
	0	62.8	Porphyry: Dark bluish grey, very silic	ceous matrix with	55435	0	20	20	.002					0-5	1	
)			abundant vague to distinct white fe	aldspar phenocrysts.	36	20	40		.001					5-9	1	
			The core is very broken and moderat	tely to extremely	37		55		.001					9-18	0	
			chloritic and oxidized at 21' - 35	, 38' - 62.8'.	38		63		.010					18-23	0.8	
					39		67		.220					23-26		
	62.8	123	Argillite: Light grey, fine grained, a	and at least slightly	40		73	6	.057					26-31	1.5	
			chloritic, vaguely bedded argillite	. The core is very	41		78	5	.152					31-36		
			dark (ie. intensely chloritic) at (	52.8' - 67', 86' -	42	78	83	5	.069			-		36-42	1	
			93', 97' - 99.7', and 116.3' - 121.	4'. Abundant	43		88		.081			501		42-52	0	
			slickensided fault surfaces are pro	sent within these	44		93		.009	6 2 3				52-59	2.5	1
			zones (Central Fault?). The surface	es vary from 0 to	45		98		.002					59-88		
			zones (Central Fault?). The surface 30 to the core axis and the limeat to 30 to the long axis of the oval	tions vary from 0	46		103	5	.041					88-93	2.5	
			to 30° to the long axis of the oval	surfaces.		103	108	5	.056					93-123		
			Abundant arsenopyrite is present at	62.5' - 65.5',		108		5	.087	Lange and						
			75' - 76.2', 82.4' - 87.5', 109' -	115.3'. Moderate		113			.039							
			arsenopyrite at 65.5' - 75', 76.2'	- 82.4', 101' -			123		.068	1		-			-	
12-3-262			109'. Minor arsenopyrite at 87.5'	- 101', 115.3' -												
			123'. The arsenopyrite is general	v of medium	1					5	1919				1.50	
1			(2-4 mm.) grain size. Sparse to m throughout. Bedding 35° at 77', 40	igor fine pyrrhotite										1	0.000	
-			throughout. Bedding 35° at 77', 40	) at 84', 35' at										-		
			116'.									1.1.1				
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		END														
and the second												1				-
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DIAMOND DRILL HOLE RECORD				Level A Location A 13	Lot. 4330.16 Dep. 3907.39					eet No.	Dip Tes	ANCOL			
MASCOT GOLD MINES LIMITED		Dote Storted Marc Dote Finished Marc Depth 92'	h 8/82 h 9/82	Ele Bec Slor	v. 5 pring 2 pe t	5615.57 19 211 33' 48" +2° 47' 21"			Core Size AQ Logged by G. G Marc		RIESBACH h 10/82				
	FOO	TAGE							CORE AS	SAYS				R	COVER
	FROM	то	DESCRIPTIONS		NO.	FROM	TO	FEET	Au	*				RUN	SHORT
	0	92	Porphyry: Pale to medium greenish gr	ev. slightly to very	55375		15	15	.008	1		0		0-5	0.5
			chloritic, highly fractured and m	oderately oxidized	76	15	30	15	.006			10.00	0.000	5-14	0
			chloritic. highly fractured and m core. Much of the porphyry has u	ndergone bleaching.		30	45	15	.010					14-17	2
						45	60	15	.198				51 1000	17-20	0
						60	75	15	.002					20-23	0.7
		END			80	75	92	17	.002					23-26	2
19	1													26-29	0
											_			29-37	1
	3													37-62	0
5.24						-		1							
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· •	k hana		CO MINUS LIMITED	Lecotion AI3 Date Started 9/3/ Date Finished 10/3		Lat. 4192 Dep. 407 3/11 Elev. 3/11 Bearing 213							Aciesto				
				71	1	Slop	pe -	30.		1		12/3/	12	12		1. 1.	0
No.			DESCRIPTIONS		NO.	FROM	TTO	PLET	CORE	SEAYS S	-	1 .	1			RCOVE	the second se
	0	972	Portune: this very unhanite		55451		15	15	1006		-	-		+	RUN	-	1 23
5		1.				15	30	15	1-02-1	-	-	-	-	-	10-6	1.5	+
			matrix with almant with and	an vert		30	45	15	+001	-		1	1.	-	110.7	19	
A. 2. A	16			1	54	the second se	51.2	13.2	.001		7 .	1.	1.	1	DX 22	11-	
	4	1	buil strongh sadget a time.	1 x	55	58.2	62	3.8	1.149				-	-	17-35	10.5	+
	主要		1 41		SL	62	67.4	5.4	.057				T	1.	85-62	0	17
		2	minalization.		57	\$7.4	71	3.6	121	2	1.10		-	1	62-71	0	T
	STE	AL	St l			-				-	-	-		_			T
	21.6	111	Marn: fine grained Aluit.	-1:		-		-	-	-	•	-	-				
	-	17.1	andrately alegand a what I	man.	-	-			-	-				+			- 53
1 4 23 A				1 mg		-			-	-	-	-			-	-	
			50° Q. S. Muir ux Bbs (7.4. 1:1.:						-	1					1 :	1.	-
14 M 1 4 1	4. 5	1 10												-	++	-	
21.5	82673		amointe de line te mediere.	and the second second							1		1 .	1			
- A.Y.A.		9		123										1			1 3
12 A. M.	1		Arand says @ 58.2-12, 67.4-71									14					
90 V		·	11-1		1000		-								F.		1. 1. 1.
Cate .	*	0.	Mining games. 6 58.2-27. gland	l	-	1.11.1				-		2.12					1.5.1
	-71-	EM	Aman: @ 67-71.								-	-	-	-			NIC TO
			Jugar . 62-71.													1.**	
Red - Aller		-	<u></u>	Sec. 1					-								1
The state						1		100000	1000			-	-			27.	
	3.4							1		2		-	-		-		100
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2	7	-												-			100
1							1								C.		14
2-1				11.1.1.			1					•					
it the m	-								_						1.41		1
			*	-	-					-		+		1.			Me.
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		-	and the second		-							-			Same	1.4	
A State State State	P	1						-			-						2:
A TRANSPORT	Tritte:	K									-				-	-	
1000 (100 (100 (100 (100 (100 (100 (100	1446	·							4			-				2.00	9
	10000								-	-		-			1997 - 1997 1977 - 1998		2.
10.20.20	A Party and	N							-		1.		24.3	1	it is a state		
Statement of the second second		S. S.			_			_	-				- PE -	and the second se			

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M. erty	ASCO	T GO	D MINES LIMITED Data Started Armit				3944.7			No. 1/				
			Date Started April Date Finished April Depth 120'	4/82	Ele Be	aring	5620.1 35 <sup>°</sup> _49 +46'2	5   		Size AQ ed by G. Ju	GRIESBACH ne 16/82			
	FOOT	AGE		1.	1		10 -	CORE AS	SAYS			I P	COVER	
	FROM	TO	DESCRIPTIONS	No.	FROM	то	FEET	Au	*		T	RUN	SHORT	ŕ
	0	43.3	Porphyry: Medium to light grey: a few strongly	5598	0	5	5	.010				59-61	A CONTRACTOR OF A CONTRACTOR	t
	-		chloritized fractures; minor pyrrhotite, sparse	85		10	5	.009		-		33-01	51	ł
	1		arsenopyrite on some fractures; abundant arsenopyrite		10	15	5	.009				-		⊦
	-		at 19' (3" wide seam trending about 25° to the core		15	20	5	.039				-		⊦
			axis) and at 19.7' $(1/2" 25^{\circ})$ .		20	25	5	.009		-		-		⊢
	43.3	49	Skarn: Light greenish-grey to dark grey; fine to medium		25	30	5	.004						⊢
	43.5	43	grained; irregularly banded at about 40° to the core									-	1	⊢
			axis; near massive arsenopyrite - chalropyrite -	- 90	30	40	3 3.3	.007				-		1
			pyrrhotite at 45 - 46'.	92			5.7	.089				1	1	1
	-		pyrmotice at 45 - 40 .	93			2 1.2			-	- Company	-		
	40	50.2	Linesters, Desmustallized, white with dank streaks					.010				-	Sec. 1	
	49	50.2	Limestone: Recrystallized; white with dark streaks.	94			4.8			-				
				95		60	5	.119		-				
	50.2	76.4	Skarn: Identical to 43.3 - 49. Minor arsenopyrite,	96		65	5	.123						Γ
			pyrrhotite. Very sparse chalcopyrite . Occasional	97		70	5	. 157					1.1.1	Г
_	-		coarse grained calcite-pyroxene bands.	98	70	76.4	6.4	.058				1. 1. 1. 1.		Г
				99	76.4		2.6	.017		-				Г
	76.4	79	Black dike: Dark grey, aphanitic rock with abundant very				7.5	.050						Г
			fine mafic (hornblende ?) phenocrysts	01			2.5	.009						F
-				02		93	4	.016	-					Г
	79	86.5	Skarn: Fine to medium grained; light to medium grey;		93	100	7	.098						F
		-	locally fair arsenopyrite.		100	104	4	.296						-
				05	104	110	6	.003				-		
	86.5	89	Limestone	06	110	115	5	.002				-		-
				07	115	120	5	.002						-
	89	91.3	Argillite: Very hard, siliceous.			Contract of	1				1			-
	11111									-				-
	91.3	93	Limey bed underlain by Breccia											-
		1 +									1			-
	93	100	Argillite?: Pale grey green; very hard; siliceous; fair-			1	-		-	1	1	-		-
	100	100	good arsenopyrite in coarse crystals, bands and streak	s.			1				1-1	-		-
	1.5		geos discheppines in contac crystars, sands and serear	-	-	-				-		-		-
-	100	120	Argillite: Light to dark grey, fine to medium grained,			-						-		-
	100	120	interbedded siliceous to limey (mildly skarned)	-		-	-		-			-		10
-			(and tuffaceous? 104-108, 109-110) beds. Fine			-	-			-				-
			disseminated arsenopyrite.			-				-		-		-
-				-		-				-	1-1			1
	-	CND	the second se				-			-	-			1
	-	END								-		-		
			and the second			1000				-	-			

OND	DP	ILL HOLE RECORD	Level A		Lat		4379.3			Hole No.	MD_2597		Dip Tes		
		이 같은 것 같은	Location A 13		Dep	p.	3965.8	7		heet No.			SECT	TION V	1 +
ASCC	DT GC	DLD MINES LIMITED	Date Started April	6/82	Elev	٧.	5618.7	3		Core Size				No. Trible	
			Date Finished April	7/82	Bec	aring	34 2	8' 40"	L	ogged by	G. GRIES	SBACH			
			Depth 125'		Slot	pe .	+45 5	6' 48"		and the second	April 12	2/82		-	
FOO	TAGE	DESCRIPTIONS						CORE AS	SAYS			1000	R	ECOVER	Y
FROM	то	DESCRIPTIONS		NO.	FROM	TO	FEET	Au	*	1000			RUN	SHORT	T
0	22	Mine sill porphyry: Some sulfides (py	rrhotite-pyrite-	56034	0	12	12	.012				-	0-39	0	-
		arsenopyrite) locally.	Fine Pitte	35	12	22	10	.013				-	39-43		1
				36	22	27	5	.032				-	43-90		-
22	100	Skarn: Dark grey-garnet banded (0° at	24', 45° at 25' -	37	27	32	5.	.138					90-10		-
		28') with plentiful pyrrhotite ars	enopyrite chalcopy-	38		37	5	.030					102-11		-
		rite. Near-massive coarse crystal	line arsenopyrite	39	37	42	5	.147				-	111-12		1
		at 63' - 65'. Very limey within a	pproximately 76' -	40	42	47	5	.080				-		1	-
		108'.	providence of the	41	47	52	5	.075			100 C	-			-
		100 1		42	52	57	5	.101				-	11000		-
100	125	Argillite: Very gradational, arbitrar	v contact with	43		62	5	.082				-			-
100		skarn. Very limey medium to dark	bluish-grey argillite			65	5	.685				-	-		-
		skarn. Very limey medium to dark with abundant pale limey lamellae.	Bedding 40° at	45	65	70	5	.104				-			-
		121'. Minor arsenopyrite at 99.3'	- 100'. The core	46	70	75	5	.050				-			-
1		is somewhat broken at 102' - 125'.		47	75	80	5	.030							-
		11 John Mar Di Gren av Tot - 100 -		56059	80	87	7	.026				-		-	-
				60	87	94	7	.171					1 1 1 1 1	-	-
				61	94	102	8	.102				-	1000	-	-
	END			62		110	8	.018	-			-			-
				63	and the second se	118	8	.004							-
					118	125	7	.002							1.1
						1.00		1000		1000					-
														-	-
															-
		and the second		AVG.	62	70	10	.395	-						
				AVG.	87	102	15	.136		·					
				the state			Sec. and							1.1.1.1	
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## DIAMOND DRILL HOLE RECORD

A 13 Dep. 3948.31 Sheet No. 1/1 Location Core Size AO Date Started 5613.91 MASCOT GOLD MINES LIMITED March 30/82 Elev. Logged by G. GRIESBACH Date Finished April 2/82 215, 14' 51" Bearing Property\_ -41 13' 30" Depth 194' Slope April 2/82 FOOTAGE CORE ASSAYS RECOVERY DESCRIPTIONS FEET \* SHORT TO \* FROM TO NO. FROM RUN .020 55910 12 12 Porphyry: Sparse, minute isolated arsenopyrite crystals 34.8 0 0-57 0 0 in the porphyry at 24' - 29', 32.8' - 34.8'. 12 24 12 .002 57-66 11 0 34.8 10.8 .002 12 24 66-79 11 Argillite: Mildly siliceous, light greenish grey, 34.8 37.5 34.8 37.5 2.7 .270 79-83 2 13 aphanitic argillite with massive coarse crystalline .002 7.3 14 37.5 44.8 83-100 0 arsenopyrite at 34.8' - 36' and minor fine arsenopyrite 20.2 15 .004 100-154 44.8 65 0 at 36' - 37.5'. 16 65 20 .002 154-179 85 1 17 85 105 20 .010 79-194 0 Brown dyke: Medium greenish brown, aphanitic matrix with .008 37.5 44.8 18 105 123 18 abundant pepper sized mafic minerals (hornblende and 19 123 129 .056 6 perhaps pyroxene) and abundant tiny white alteration 55929 129 135 6 .041 spots (<1 mm.). Both contacts are sharp but irregular and appear to trend 10° to 30° to the core axis. Nil 30 135 139.7 4.7 .039 .128 4.3 31 139.7 144 mineralization. 32 144 1150 .041 6 33 150 .021 156 6 Flange Dyke: Medium bluish-grey, aphanitic matrix with 56105 156 161 .052 44.8 124 5 many extremely vague 'colourless' feldspar phenocrysts. 5 .064 06 161 166 The core is extremely broken due to faulting at 66' to 07 166 1171 .040 5 08 171 176 5 .002 86'. Nil mineralization. 09 176 182 .006 6 Argillite: Medium grey, aphanitic, slightly to extremely 10 182 188 .002 194 6 124 siliceous argillite with numerous extremely chloritic 11 188 1194 6 .008 and oxidized intervals. Evidence of bedding has been obliterated. A moderate amount of coarse crystalline arsenopyrite is unevenly disseminated at 124' - 135'. Abundant arsenopyrite at 139.7' - 144', 157.9' - 158.5', 185' - 185.2', 179.7' - 180'. Minor arsenopyrite at 135' - 139.7', 144' - 156'. END

Level

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Lat.

4358.27

VANCOUVER

Dip Tests -

SECTION V1 + 50

Hole No. MD 2598

	ONID			Level A		Lat	. 43	43.42		Ho	le No. M	D 2599	Dip Test	ts _	
AIM	OND		ILL HOLE RECORD	Location A 13		Dep		27.58	2	Sh	eet No. 1			ON VI	
N	ASCO	T GC	DLD MINES LIMITED	Dote Storted March	22/82						re Size A		- DEVIA	211 11	-
				Dote Finished March	25/92	Beo	ring 20	9 45	54"			. GRIESBACH		-	_
erty				Depth 161'	2 3/ 02	Slor	be -4	50 19	44"	1		arch 24/82			_
	FOOT	TAGE		101	-	1 0.01			CORE AS	SAYS			R	COVER	v
	FROM	TO	DESCRIPTIONS		No.	FROM	то		Au	*		1 1	RUN	SHORT	T
-	0	13	Porphyry: Flange Dyke.	And the second s	55782	0	13	13	.002				0-25		-
	- 0	12	FUTPILYTY: Flange byke.			13	16.3	3 3	and the second division of the second divisio				25-112		-
	13	16.3	Argillite: Very abundant arsenopyrite in	a light greenish		16.3			.008	-			112-143		+
	13	10.2	grey, mildly chloritic, aphanitic arg	a right greenish			45	15	.002				143-161		+-
			grey, mildiy chioricic, aphanicic arg	ciffice.		30		15	.002				143-101	0	-
	16.2	93.5	Porphyry: Flange Dyke, Moderately chlor	itized Nil		45	60 77	17	.004						-
	10.3	32.5	mineralization.	ILIZEU. MIT	- 8/	60 77	93.5								-
	-		mineral izacion.						.008	-	-				+
	02.5	109.3	Annilliter Medium to light grow fine an	inod mildly			97.4		.034					-	+
	93.5	109.3	Argillite: Medium to light grey, fine gra siliceous to cherty argillite. Beddin	is about 400						-					-
			sinceous to cherty arginite. Beddin	ig is about 40	91	104.5	109.3	4.8	.040				-	-	-
	-	-	to core axis at 97'. Minor disseminat at 93.5' - 94.8', 104.5' - 109.3'. Mo	donato ancono-						-			-	-	-
	-						116.5		.036				-	-	-
	-		pyrite (disseminated and blebs) at 94	0 - 9/.4 ,			121.4		.026				-		-
			99.1' - 104.5'. Abundant arsenopyrite	at 97.4 - 99.1			125.6		.002						-
	1		Minor pyrrhotite throughout.				130.3		.032						-
	100.2	110.0	Busyn Dykay Dank guny anhanitic mildly	chlonitic matuiv		130.3			.056						-
	109.3	112.3	Brown Dyke: Dark grey, aphanitic, mildly	CHIOFICIC MACTIX	98	135	139.8		.084	-					-
	-		with a fair amount of hornblende micro	opnenocrysis	55799	139.8	145		.070				-		-
-			<pre>(length &lt;1 mm; thickness &lt;0.2 mm.). The first field of the core axis) is slightly wavy and the core axis) is slightly wavy and the core axis is slightly wavy axis is sligh</pre>	nd conserved	800	145	151	6	.030				-		-
			frag the ancillite by an 0.9 mm panel	lol woody calcite	801		156	5	.030				-		-
	-		from the argillite by an 0.8 mm. para	iter vuggy carcice	802	156	161	5	.018						-
1.11	-		vein. The lower (112.3') contact is irregular, and about 50° - 70° to the	core avic No							-				-
	-	+ +	chill margin, alteration, or other ef	Core axis. No				-							-
	-		Chill margin, alteration, or other en	lect is visible.	-										-
_	-		Nil mineralization.										-		-
-	112 2	110 5	Annilliter Fine ensined pale ener angill	ito with abundant						-			-		-
-	116.3	116.5	Argillite: Fine grained pale grey argill arsenopyrite at 112.3' - 113', minor a	reconconvrite at						-+-				-	-
-				ar senopyrice ac											-
			113' - 116.5'.			1									-
-	116 5	110 5	Shanna Coonee anained dispeids shann with	abundant	-		-						-		-
	110.5	118.5	Skarn: Coarse grained diopside skarn with	abundant		-		-					-		-
	-		arsenopyrite.									+	-		-
	110 5	121 4	Aunillike, Fine anning light and said	lite with minor							-		-		-
	110.5	121.4	Argillite: Fine grained, light grey argi	ine pumbetite	-								-		-
			fine arsenopyrite and moderate very f Bedding is approximately 50° at 120'.	me pyrrhotite.			-						-	2 - 2	-
-	-		Bedding is approximately 50° at 120°.			-							-	1	-
-	-					-							-		-
	-				1	-							-		-

IONE	DR	ILL HOLE RECORD	3	La De		4349.4			Hole No Sheet No	MD 2600	Dip Tes	its -	11
MASCO	OT GO	DLD MINES LIMITED Date Started Mar Date Finished Mar Depth 90	ch 17/	82 El	ev.	5619.04 31 24 +45 <sup>0-</sup> 3	4 4' 04"		Core Siz Logged I	e AQ by G. GRIESBACH March 22/82			
FOC	TAGE		T	-	-		CORE A				R	ECOVER	RY
FROM	TO	DESCRIPTIONS	NO.	FROM	TO	FEET	-	1 .	T		RUN	SHORT	-
0	19.9	Porphyry: Flange Dyke, Trace pyrrhotite.	5565	0 0	10	10	.002				0-28	0	t
			5			9.9					28-64	0	T
19.9	24	Argillite: Medium green, moderately chloritic aphanitic	5	19.9	9 24	4.1	.140	1000			64-87	0	T
	1000	argillite bearing at least 40% (by volume) massive	5		30.3	3 6.3					87-90	2	1
		coarse grained arsenopyrite at 19.9' - 22.2' and	5		3 43	12.7			1		- C		1
		minor arsenopyrite at 22.2' - 24'.	5			3 11.8							t
			5			5.2	.389						1
24	25.4	Porphyry: Bleached aphanitic matrix with abundant feldsp	ar 5		66	6	.060						1
		phenocrysts. Probably Flange Dyke.		3 66	73.5		.102		-			-	1
					5 78	4.5					-		1
25 4	30.3	Black Dyke: Dark brown, aphanitic matrix with abundant		78		6	.041		1		-		1
	100.0	microphenocrysts of mafic minerals Contact not pre-	6	84	90	6	.088	-			-	-	1
		microphenocrysts of mafic minerals. Contact not pre- sent in core but may be between 35° and 50° to core	1 0	104	190	10	1.000	-			-	-	1
-		axis.	-		-	-	1.	-			-		<b>1</b>
		QA13.	-	-				-				-	+
20.2	54.8	Porphyry: Flange Dyke.										-	+
- 20.2	24.0	Forphyry: Flange Dyke.		+									ł
54.8	00	Argillite: Pale greenish grey to medium bluish grey,		+	+	-		-				-	ł
124.0	190	Argilite: rate greenish grey to medium bluish grey,	+	+	-	-	-	-					4
		aphanitic, predominantly moderately siliceous argilli Bedding is 40° at 64', 30° at 76', 0° at 77', 84'.	ur.	-			-						+
	-	Abundant arsenopyrite at 55' - 58', 64' - 65.4',	-						-				4
		71' - 73.5'. Minor pyrrhotite and trace arsenopyrite	-	-	-			-	-		-		ł
-		71 - 73.5". Minor pyrrhotite and trace arsenopyrite	-	-	-	-			-				+
		unevenly disseminated throughout. Lost core due to	+	-									4
_	-	poor drilling technique.				-	-	-					4
		المحاج المحاج المحاجب المحاجب والمحاج والمحاجب والمحاجب والمحاج المحاج المحاج المحاج والمحاج و		-	-						-		4
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		and the second process of the second process of the	-	-	-			-					4
		and the second sec	-	-	-	-			-		-	-	4
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#### NDD

UANCOUVER. Dip Tests --

	ASCOT GOL	RILL HOLE RECORD	Level A LEY Location A (	08	Lat Dep	. <u>4</u>	435		Shee	e No. et No.	U 2582 1/2	Dip Test	's
MASC	MASCOT GO	OLD MINES LIMITED	Date Started Feb.		Ele	M. (2)	617		and the second sec	Size	AQ		
erty			Date Finished Feb.	8/82		iring			Log		G. GRIESBACH		
Des			Depth 175'		Slop	be	-900	15'	1		Feb. 9/82	1	
	Concerning and the	DESCRIPTIONS						CORE AS	SAYS			RE	COVER
FRO	м то			NO.	FROM	то	FEET	Au 🛠	*			RUN	SHORT
0	29.2	Skarn: mildly chloritic, pale to dar	k greenish grey,	54621	0	5	5	.002		-		0-5	1.5
		mottled, limey pyroxene skarn. N		22	5	10	5	.114		0		5-52	
		of chloritic material @ 19.5' - 2	9.2	23	10	15	5	.112				52-113	
		Bedding 80' @ 14',		24	15	20	5	.090	-			113-175	
				25	20	25	5	.134					
		Abundant asp. @ 7.6' - 10', 22.3'	- 23.8'. Moderate	26	25	30	5	.070					a the set
		asp. @ 10' - 16.5', 23.8' - 29'.	Minor asp. 0	27	30	35	5	.038		_			-
and the second	4	0- 7.6', 16.5' - 22.3'. Abundant	chalcopyrite @	28	35	41	6	.024					
		74' - 24.7'.		29	41	50	9	.004		-	8		
				30	50	65	15	.002					
29.	2 98.4	Porphyry: light to dark greenish gre	y matrix with white	31	65	80	15	.003					
		feldspar phenocrysts (90%, medium	size 1.5 mm. but	32	80	90	10	.002					
		occasionally up to 6 mm.) and 1%	mafic microphenocrysts	. 33	90	98.							
		occasionally up to 6 mm.) and 1% minor asp. 0 29.2' - 32.2'. At 3	9.8' - 40.2' there is	34	98.4	101.							-
	-	a large amount of asp. in a cooke	d wall rock inclusion	35		8 107	5.2			-			
		(probably a xenolith). Occasiona		36		115	8	.019		-			
		blebs of chalcopyrite.		37		125	10	.026		1000			
				38		135	10	.013	2 7 2	-			
98.	4 101.8	Skarn: Slightly skarned, slightly si	liceous, pale	39		145	10	.095		-			
	116-10-	greenish grey argillite. Minor c		40		155	10	.018		-			
		as local concentrations of dissem		41		165	10	.010					
		Abundant asp. occurs in the same i		42		167.							
		of fine crystals on preferred bed		43		175	7.5			-			
				43	19/	112		.002		-			
101.	8 103.4	Chert Breccia 95% extremely fine (<0	.5 mm.) chert fragment	s						-			
		in a limey matrix. This grades in											
		(<10 mm.) at the lower (103.4') co			1				-	-		-	
	-	mineralization.											
													-
103.	4 112	Argillite: Pale greenish grey, fine siliceous argillite. Bedding 65	grained, slightly										
		siliceous argillite. Bedding 65°	at 100', 50% chert				1999		- 14	17.0			
		beds @ 105.9' - 107.8'. Chert bro	eccia @ 109.8' -										
		100.1'. Minor asp. @ 103' - 110'							1000 C 1000				
		lithologies. Minor chalcopyrite of			-					-		1 1	
		centrations of disseminated crysta					-						
	1.0												
	1 1 2								1	-			
		The second s	and the second s					and the second s	-	1			

### CIAMOND DRILL HOLE RECORD MASCOT GOLD MINES LIMITED

Property\_

Level	Lat. 4435	Hole No. U 2582	Dip Tests
Location	Dep. 4040	Sheet No. 2/2	
Date Started	Elev. 5617	Core Size	
Date Finished	Bearing -	Logged by	
Depth	Slope _900 _15'		

	FOO	TAGE	DESCRIPTIONS	1.55	2		200	CORE A	SSAYS	1042.00		1000		R	ECOVER	IY.
-	FROM	то		NO.	FROM	то	FEET	*	*					RUN	SHORT	Г
- terraine	112	165	Argillite: Finely interbedded (1) fine grained, pale													Γ
			siliceous argillite (75%); (2) blue-grey cherty													Г
			argillite beds (15%); (3) white, pure, recrystallized													Г
		1	limestone (6%) and (4%) chert breccia - 50% chert						111111							Г
		1.000	fragments varying from aphanitic to 2 cm, in a pure		1000											Г
200			limestone matrix (4%). Minor chalcopyrite is found in most argillite beds. Bedding 60° @ 113', 40° @ 134', 70° @ 142', 170'. Nil asp.		1200	1.1.2	1							1000		Г
			in most argillite beds. Bedding 60° @ 113', 40° @							2723					1000	Г
			134', 70° @ 142', 170'. Nil asp.							- June -						Г
				+												
	165	167.5	Porphyry bone white, aphanitic matrix containing 25%							1						Г
			feldspar phenocryst (2 mm.). Nil mineralization.		1111											Г
													1.000			Г
2 112 2	167.5	175	Skarn: Same as 112' - 165' interval but with 20% beds of	1.0.0										1		Г
100			(phaneritic) pyroxene skarn. Nil mineralization.										1. *)			Г
														1000		Г
				6											1	Γ
	3										1		1			Γ
		END													1	Γ
r .																Γ
1 1																Γ
-	-					-										
1. C. 2.							1			1	-		-			
					-		1000		-	1					1997	
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			and the second	-		-	-	-					-			
			the second s	-	-		-			1000			-	-	-	-
					-		-						-			L
	1			-	-		-				-	-				1
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	1. F. M					_							-	-	-	-
	-	10 miles	and a second			1100	· · ·							1	1	

		ILL HOLE RECORD	evel A LE <u>xation A 08</u> ate Started Feb.		Lot Dep Elev	).	4437 4039 561Z		S	heet No. fore Size		583	Dip Tes	ts	
		De	pth 80'	9/82		ring	037 +45			ogged by Feb. 1(	G. GR	IESBACH	-		_
	TAGE	DESCRIPTIONS				-		CORE AS	SAYS				R	ECOVER	Y
FROM	TO	Channel and the second shall all shall be an	deve to Tre	NO.	FROM	TO		Au ¥	*				RUN	SHORT	Г
10	65.7	Skarn: medium grey, variably slightly to mo		54663	0		8.8	.040					0-80	0	Г
		limey, fine grained, mildly skarned argi Bedding 5 5° 0 3', 35° 0 43'	linte.	64	8.8	12	3.2	.118		_					Γ
-				65		16	4	.175			_			-	Γ
-		Skarning is most intense (where there is		00	16	20	4	.058							Г
		in pyroxene porphyroblasts) @ 27' - 80'	and is que,	0/	20	27	1	.297	-	_					Г
		probably to the corresponding increase i	n carbonate	68	21	32.5		.035	_		_				Г
		toward the end of the hole. Abundant as	p. @ 8.8 · -	69	32.5	37	4.5	.127	-		1				Г
		12', 20.4' - 27', 32.5' - 37'. Moderate	asp. @ 14.6'-	70	37	43	6	.158							Г
		16.1', 27' - 32.5'. Minor asp. @ 4.5' -	8.8', 12' -	71	43	49	6	.051							F
-		14.6'. Sparse asp. @ 37' - 53.3'. Trace 53.3' - 65.7'. Minor chalcopyrite @ 13.	e asp. @	72	49	55	6	.010							F
-		53.3' - 65.7'. Minor chalcopyrite @ 13.	2' - 14.5'.	73	55	61	6	.002							F
-				74		65.7	4.7								F
65.7	67.5	Brown Dike: Dark brownish grey aphanitic no mineralized intrusive. Sharp contacts @	n-	75	65.7	67.5		.001							h
		mineralized intrusive. Sharp contacts @	45 to CA.	54676		74	6.5	.001							F
		Four inches of the center of the dike ha		54677	74	80	6	.002			1				F
-		slightly brecciated and is mildly limey.					2								
67.5	78.5	Argillite: Interbedded slightly limey argil	lite (@ 67.9'-			-			-						
		70.2', 75.5' - 80'), slightly impure buf	f coloured						-		-				-
- 1		70.2', 75.5' - 80'), slightly impure buf limestone (70.2' - 73.8'), and argillace	ous chert		-			-						-	-
		breccia (67.5' - 67.9', 73.8' - 75.5').	Nil						-					-	-
		breccia (67.5' - 67.9', 73.8' - 75.5'). mineralization. Bedding 40° @ 77'.							-				+ +	-	÷
70 5	00	Fault Conference Fault along fallow external	1-1 4		_	-								-	-
78.5	80	Fault Surface: Fault plane follows subparal	iel to core			-			_						
		axis. Rock is competant argillite.										1.			
-					_				_						1
		and the second se			-	_		-	-			1. A. A.			
	CHID	and the second sec			-	_			-						
	END	the second s								-	-				
		and the second s			-				-						Γ
-					-										
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		and the second sec													-
-	1	the second s													-
-		a second s	- Wasser Story					-							-
		Contraction of the second second second second								_				-	-

### DIAMOND DRILL HOLE RECORD

MASCOT GOLD MINES LIMITED

VANCOUVER Dip Tests --Level <u>A | EVF1</u> Location <u>A 08 DRIFT</u> Date Started Feb. 3 Level 4437 U 2584 Lot. Hole No. Dep. Sheet No. 4039 1/1 Elev. 5615 Core Size AQ 0370 Date Finished Feb. 5/82 Bearing Logged by G. GRIESBACH

Property\_

	-	Depth 146'		Slop	be	-0°			E.	Feb. 4	/82	×.	
	TAGE	DESCRIPTIONS				-	CORE A	SSAYS			±	RE	COVER
FROM	то		NO.	FROM	то	FEET	Au 🛠	*				RUN	SHORT
0	85	Skarn: variably light to dark grey, mottled, moderately	54575	0	7	7	.899					0-95	0
		siliceous pyroxene skarn. Bedding is 35° @ 7', 30° @			11	4	.022	) 51	0			95-146	
		40'. Extremely abundant, almost massive, coarse	66	11	14.2		.932	) 20	1		1	1-1-1-1	<u> </u>
	-	grained arsenopyrite @ 0 - 2', 6' - 7', 11.5' - 14.2'.		14.2		5.8	.144				-		
		Moderate asp. @ 0 - 22', 26.4' - 31.5', 60.6' - 61.4',	68		30	10	.044					1.	
		64' - 66', 71.8' - 72.5'. Minor asp. @ 66' - 71.8'.	69	30	40	10	.048	1					
	c	Abundant pyrr. @ 25.5' - 48'. Minor pyrr. @ 48' - 85'.	70		50	10	.020	E.					
		The core becomes increasingly limey from about 40' to	71	50	58	8	.022	-					
		the end.	72	58	63	5	.008						
			73	63	70	7	.018	-					
63	63.4	Brown Dike: medium brownish grey aphanitic matrix with	74	70	75	5	.014						
		10% mafic microphenocrysts. Both sharp contacts 20°	54576		85	10	.012				-		-
			54577		95	10	.004						
			54600		105	10	.002	-					
85	118	Chert Breccia: dark bluish grey subangular to subrounded			111	6	.002						1
		chert fragments (<1 cm; median size 2.5 mm; 95%) in a			117	6	.002						-
		calcareous matrix. At 90.4' - 90.8' a unique speci-			123	6	.454	36	2				
		men: 60% clasts of chert, argillite, and siliceous			128.6		.277		6			-	
		limestone (.5 - 3.5 cm; median size 2 cm.) in a calcite		128.6			.008		.0				
		matrix. Nil mineralization. The 85' contact is			140		.020						
			54607		146		.014		-				
			54007	140	140	- v					-		
118	146	Chert Breccia: mixture of pale, highly siliceous,					-						-
		moderately limey argillite, deformed and broken chert											
		bands (both @ 118' - 123', 125' - 146'. Minor asp. @											
		121' - 123', 125' - 128.6'. A good chert breccia @									-		
		123' - 125' with 87% chert fragments (<1 cm.) in a			100								
		siliceous matrix contains 8-10% disseminated and blebs		-					-10.2				
		of asp. The breccia is conformable with argillite		-	1000							++	
		beds varying from 0 to 20° to CA.		- 3	and a state							++	
				-						1	-	++	-
											1		
													4941
	END								-	1	-		-
									-	Series Inc.	-		
			-						-				
				-	-	-							
				-									
				-		-						-	-
				-							-	++	

VANCOUVER

			RILL HOLE RECORD	Level A Location A 08 Date Started Feb.	10	Lat De Ele	p.	4421 4028 5612	.80	5	Hole No. Sheet No. Core Size			ests	-
operty_				Date Finished Feb.	11/82	Bec	oring	ecol and some	ALTS CALLED O			G. GRIESBA			
	1 50.01			Depth 152	1	Slo	pe	-90				Feb. 15/82			
		TAGE	DESCRIPTIONS			in the second	-		CORE A	SSAYS			Design of the second se	RECOVE	RY
	FROM	TO	Channe Mildly ailingans fine engined	mildly shaward	NO.	FROM	то	FEET	Au 🕺	*			RUN	SHORT	r
	0	18	Skarn: Mildly siliceous, fine grained		54750	0	6	6	.039	-			0-	84 0	-
			argillite. Bedding 60° @ 6'. Mi	nor asp. e 0 - 9.	51	6	12	6	.046				84-1	52 0	T
			Moderate asp. @ 9' - 13', 14' - 1	8. Very abundant	52	12	18	6	.127						
		-	asp. @ 13' - 14'.		53	18	24	6	.004						
	110	70	Development at 11, and at a flamme dik	a Identical to	54		34	10	.002						and the second
	18	70	Porphyry sill: related to Flange dik		55		44	10	.002				and the second		
-		-	U 2582. Trace pyrrhotite and chal	copyrite.	56		54	10	.001						
	70	77 6	Augillitas Compushindant marries and	discominated	57		64	10	.001						
_	70	71.5	Argillite: Superabundant massive and arsenopyrite in greenish, fine gr		58	64	68	4	.003						T
		1000.000			59		70	2	.030	-					
		1.1	May be part of xenolith or lense. 55 lower contact 30. Both cont	opper contact	60	70	71.5								
					61	71.5	74	2.5						-	
-			no asp. is visible in adjacent po		62		79	5	.008						
			also contains abundant pyrrhotite		63		82.8			-					
1000			in massive blebs.		54777			5.2							
	71 5	02.0	Porphyry Sill: Identical to 18' - 70		78	88	93	5	.022	-					
	71.5	82.8	Porphyry Sill: Identical to 18 - 70	•	79		98	5	.046						
	82.8	152	Argillite: medium greenish grey, find	a anained ana		98 103	103	5	.033						
	02.0	152	dominantly mildly siliceous argil	lite with chart in-	01	107.7			.145					1	
			tervals of limey argillite. Bed	of pure recrystal-	02		117	4.3			-				
	-+		lized white limestone @ 103.9' -	104 A' Bedding 55 <sup>0</sup>	03		124	3	.031						1
			lized, white limestone @ 103.9' - @ 84', 80' @ 109', 65' @ 134'. M	inor pyrrhotite @	04		131	1 7	.008						
			82.8' - 152'. Minor asp. @ 91' -	93' 96 2' - 99 5'	00		138	1 7	.045					1	
	3.4 . Table		106' - 107.7'. Moderate asp. @ 10	7 7' - 113' 131 4'-	97		145	7	.046					-	
		-	133.7'. At 109.8' - 109.9' there	is a bed of massive	88		152	7	.019						
-	-		(mixed) asp. (50%) and pyrrhotite.		00	145	132	- /	.018						1
1			chert breccia (10% subangular to )			-		-						-	-
	1		(2 cm.) in a fine to medium graine								-				-
			lized, pure limestone matrix) @ 1				-	1.1.1						1	-
			124', 138' - 140.6'.	111.2 , 11/				-		-		-+-+		1	-
														1	-
													-	+	-
						-									-
		END													-
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	1														-

a tradition of the same	and the second sec	ILL HOLE RECORD		Lot Dep	D.	399	3.06	Hole N Sheet	No.	U 2588 1/1	Dip Te	) <u>COL</u> sts -	-
MASCO	DT GC	DLD MINES LIMITED Date Started Feb Date Finished Feb	. 23/82		aring	21:	15. <u>97</u> 30 <u>13'</u>	Core S Logged	by G.	AQ GRIESBACH			_
E E E E E	TAGE	Depth 56	B.T.	Slop	be F		40 26'		Feb	. 24/82	-	-	_
FROM	TO	DESCRIPTIONS	-	1	1		CORE AS		-	· · · · ·		ECOVER	-
0	10.7	Ancillitor your cilicopus your fine anti-ad anti-	No.	FROM	TO	FEET	Au ⊀	*		++	RUN	SHORT	4
0	10.1	Argillite: very siliceous, very fine grained, medium to	55033		10	12			-		0-54		4
		pale greenish grey. Sparse disseminated asp. @ 2.5' - 4.7'. Bedding 5° - 10° to CA.	34	5	10	5	.012			+	54-56	1.5	4
		4./. Bedding 5 - 10 to LA.	35	10	15	15	.014		-		-		4
10 7	11.2	Brown Dike: dark brown aphanitic matrix with a very mind	30	15	20	5	.021		-		-	-	4
10.7	11.2		r 37 38		25	5	.033						4
		concentration of minute mafic phenocrysts. Both contacts 45° to CA.			31	6	.022		-		-	-	4
-		CONTACTS 45 TO CA.	40	31 37	37	6	.052				-	-	4
11 2	14.2	Argillite: very limey, moderately skarned argillite.	40				.137						4
11.6	14.6	Trace asp.	41				.025		-		-	-	+
-		Trace asp.	42			5.8			-		-		4
14.2	30.5	Argillite: mildly pyroxene skarned, variably limey to	43	50.2	50	5.0	.108		-			-	4
17.6	00.0	moderately siliceous argillite. Evenly distributed,				-					-		ł
		sparse disseminated asp. Minor asp. @ 28' - 30.5'.		-		-					-		+
		sparse urssemmated asp. mnor asp. e 20 - 50.5 .	-			-			-		-	-	+
30.5	56	Skarn: pale green to dark bluish grey, mottled, slightly								+	-	-	+
		limey, mildly siliceous, strongly skarned argillite.	-						-		-	-	ł
		Asp. occurs as concentrations of medium sized				-		-	-		-	-	ŧ
		1 - 2.5 mm.) crystals. Abundant asp. @ 31' - 43.3',	-						-				t
		45.3' - 50.2'. Minor asp. @ 30.5' - 31', 43.3' -	-								-		t
		45.3', 50.2' - 56'. Approximately 1.5' of core is							-	1	1		t
		missing from 54' - 56' due to broken ground in the									-		t
		floor of the stope.											t
													t
	BT		1.000			125.00						-	t
													t
									1.1.1				t
_					1				1			1	t
_								-	A Second				t
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													T
	-										Sec. 1		T
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					ingen i		al- aller		1 mm	1			Г
													Г

	OT GOLD MINES LIMITED       Date 1         Date 1       Date 1         Dotage       Date 1         To       Descriptions         To       Descriptions         Diffice grained, slightly mottled, mildly pyrop       skarned argillite. Several cherty lamellae         30° to CA. Minor pyrrhotite and scattered       throughout. Minor asp. @ 5.8' - 10.9'.         11.7       Brown Dyke: Medium brown, aphanitic matrix bea         abundant but barely phaneritic mafic microp         Very sharp contacts @ 15' - 25' to CA.         7       18         Argillite:       Identical to 0 - 10.9'. Moderate a         disseminated and blebs pyrrhotite. Minor a         13.4' - 18'.         -       Fault: Broken chlorite vein (at least 3 cm. wi         Attitude 35' to CA.         24       Skarn: Extremely mottled bluish grey, slightl         moderately argillite skarn. Abundant pyrrh         forming blebs and disseminated. Minor asp.         distributed @ 18' - 24'.         29.7         Skarn: As 18' - 24' but less mottled and with abundant, very fine grained disseminated and pyrrhotite. Moderate amount of disseminated and pyrrhotite. Scattered asp.         734       Argillite: Fine grained bluish grey, very siliceous disseminated pyrrhotite. Scattered asp.         52.8       Argillite: Medium g					110	_			-		VE	NCOL	IV	
ND	DR	ILL HOLE RECORD			Lat.		12			Hole No.		589	Dip Tes	ts	
200 C 10 C 10 C 10 C			Location A08		Dep		02			sheet No			and the second	-	
ASCC	DT GC	DLD MINES LIMITED	Date Started Feb.	23	Elev		18.42			Core Size					
			Date Finished Feb.	the second se			217	-	1	logged b		riesbach			
			Depth 60' B.T.	AISE	Slop	e +	30				Feb.	25/82			-
FOO	TAGE	DESCRIPTIONS	and the second	10000				CORE A	SSAYS				R	ECOVER	Y
FROM	то	DESCRIPTIONS	and the second sec	No.	FROM	то	FEET	Au	*		1000		RUN	SHORT	Ť
0	10.9	Argillite: Very siliceous, medium to	pale greenish grey.	55099	0	5.0	5	.016					0-60		t
		fine grained, slightly mottled, m	ildly pyroxene	55100				.037					u-au	1-0-	t
		skarned argillite. Several chert	y lamellae. Bedding	55101	10.9	13.4		.019						-	t
		30° to CA. Minor pyrrhotite and	scattered chalcopyrite	02	13.4		4.6	.030					-		t
		<ul> <li>DRILL HOLE RECORD T GOLD MINES LIMITED</li> <li>AGE TO</li> <li>10.9 Argillite: Very siliceous. medium to pale of fine grained. slightly mottled. mildly skarned argillite. Several cherty lame 30" to CA. Minor pyrrhotite and scatter throughout. Minor asp. @ 5.8' - 10.9'.</li> <li>11.7 Brown Dyke: Medium brown. aphanitic matrix abundant but barely phaneritic mafic min Very sharp contacts @ 15' - 25' to CA.</li> <li>18 Argillite: Identical to 0 - 10.9'. Moderat disseminated and blebs pyrrhotite. Minor 13.4' - 18'.</li> <li>Fault: Broken chlorite vein (at least 3 cm. Attitude 35' to CA.</li> <li>24 Skarn: Extremely mottled bluish grey, slig moderately argillite skarn. Abundant py forming blebs and disseminated. Minor a distributed @ 18' - 24'.</li> <li>29.7 Skarn: As 18' - 24' but less mottled and wi abundant. very fine grained disseminated pyrrhotite. Moderate amount of disseminated pyrrhotite. Moderate amount of disseminated pyrrhotite. Fine grained bluish grey extreme to cherty argillite. Bedding 30" to CA.</li> </ul>	10.9'.	03	18	24	6	.038					-		t
-				04	24	29.7	5.7	.101							⊢
10.9	11 7	Brown Dyke: Medium brown, aphanitic	matrix bearing	.05	29.7	34	4.3	.011							+
10.3	- und	abundant but barely phaneritic ma	fic microphenocrysts	06	34	40	6	.012					-		+
-		Very sharp contacts @ 15' - 25' t	o CA.	07	40	45	5	.012	-						⊢
1	1	Ters and p concers e to to	V. VIII	08	45	50	5	.012						-	┢
111 7	10	Amaillite: Identical to 0 - 10 0'	Moderate amount of	09	50	55.6		.298							+
-11.1	10	discominated and blobs purrhotite	Minor acn A		55.6		4.4		-				-		L
		12 AL 19	. minu dap. e	-14	22.0	ou	4.4	.144	-						1
-		13.4 - 10 .				-									1
		Faulty Bushan ablanita unin (at loss	+ 2 cm uide) @ 17!	5 5 9		-								-	
-		Fault: Broken chiorite vein tat leas	L S CHI. WIGE   E I/ .	-				-							4
-		Attitude 35 to th.													L
18	04	Shaway Extremely mettled bluich and	u clichtly limou	-					-				-		
10	64	Skarn: Extremely mottled bluish gre	dant numberite												1
-		forming blobs and discominated	Minor asp evenly												1
-	-		HIND asp. eveniy			-									-
+		distributed @ 18' = 24 .	and the second second				_				-				
24	20 7	Channes As 101 241 but loss mottlad	and with autnomaly		-						-				L
14	6.1	Skarn: AS 10 = 24 DUL TESS INCLIED	minated and marcing		-						-				-
		abundant, very file grained disse	iccominated acn 0			-	-								-
-		pyrmotile. Moderate amount of a	Isseminaced asp. w												-
-		24 - 29.1 .			-		-				-		-		
29.7	24	LD MINES LIMITED DESCRIPTIONS Argillite: Very siliceous, medium to pale fine grained, slightly mottled, mildly skarned argillite. Several cherty lam 30° to CA. Minor pyrrhotite and scatt throughout. Minor asp. @ 5.8' - 10.9' Brown Dyke: Medium brown, aphanitic matri abundant but barely phaneritic mafic m Very sharp contacts @ 15' - 25' to CA. Argillite: Identical to 0 - 10.9'. Moder disseminated and blebs pyrrhotite. Mi 13.4' - 18'. Fault: Broken chlorite vein (at least 3 c Attitude 35° to CA. Skarn: Extremely mottled bluish grey, sl moderately argillite skarn. Abundant forming blebs and disseminated. Minor distributed @ 18' - 24'. Skarn: As 18' - 24' but less mottled and abundant, very fine grained disseminat pyrrhotite. Moderate amount of dissem 24' - 29.7'. Argillite: Eine grained bluish grey extre to cherty argillite. Bedding 30° to C pyrrhotite. Scattered asp. Argillite: Medium greenish grey, very sill Minor disseminated pyrrhotite @ 34' - asp. @ 34' - 36.5', 38.6' - 46'. Spar 36.5' - 38.6', 46' - 50'. Very abunda	autnomaly ciliacous		-						-				
1 23.1	<ul> <li>To</li> <li>10.9 Argillite: Very siliceous. medium. fine grained. slightly mottled. skarned argillite. Several che 30° to CA. Minor pyrrhotite ar throughout. Minor asp. @ 5.8'.</li> <li>9 11.7 Brown Dyke: Medium brown. aphanit: abundant but barely phaneritic Very sharp contacts @ 15' - 25'</li> <li>7 18 Argillite: Identical to 0 - 10.9'. disseminated and blebs pyrrhoti 13.4' - 18'.</li> <li>- Fault: Broken chlorite vein (at le Attitude 35' to CA.</li> <li>24 Skarn: Extremely mottled bluish of moderately argillite skarn. At forming blebs and disseminated. distributed @ 18' - 24'.</li> <li>29.7 Skarn: As 18' - 24' but less mottl abundant. very fine grained dis pyrrhotite. Moderate amount of 24' - 29.7'.</li> <li>7 34 Argillite: Fine grained bluish gre to cherty argillite. Bedding 3 pyrrhotite. Scattered asp.</li> <li>52.8 Argillite: Medium greenish grey. y Minor disseminated pyrrhotite @ asp. @ 34' - 36.5', 38.6' - 46'.</li> </ul>			-		-		-		-		-			
-		to cherty argittite. Bedding 30	LO CA. MINOF												
		pyrrhotite. Scattered asp.			-		-						-		
34	52 0	Augilliter Medium amonich anou you	w ciliconus amgillita										-		-
- 14	32.0	Arginite: regium greenish grey, ver	A' 52 9' Hinor		-										_
	-		Soamen ann A		-										_
-		asp. @ 34' - 30.5', 38.0' - 40'.	Sparse asp. 10				-								-
		52 91 Podding 200 6 491	bundant asp. 10 50 -	- 1	-		-		-					-	
		52.8'. Bedding 30° @ 48'.						and the second second						122	5

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OND	DR	ILL HOLE RECORD		A A08	1	Lat. Dep.		12			Hole No Sheet N		2589 2/2	Dip Te	ists _		
ASCO	T GC	DLD MINES LIMITED	Date Started Date Finished	Feb 23	82	Elev.	56	18.42			Core Siz	e AQ					
			Date Finished	Feb. 24/	82	Bearing	2	300		1	Logged	by G.	Griesbach		3.3		
			Depth 60, B.	T. RAISE		Slope	+	-300	and the later				. 25/82				
FOOT	TAGE	DESCRIPTIONS			-			(	CORE AS	SSAYS			Serve Charles		RECOVER	RY	
FROM	то			NO	FR	T MC	0	PEET	*	*				RUN	SHORT		
52.8	60	Argillite: Moderately mottled greeni	sh grey, fine grai	ined.													
		moderately limey, slightly pyroxe	ne skarned argilli	ite.													
		Superabundant, often massive, coa	rse crystalline as	SP.													
		Argillite: Moderately mottled greeni moderately limey, slightly pyroxe Superabundant, often massive, coa with minor pyrrhotite and chalcop 52.8' - 54.3', 58.8' - 60'. Abum 55.6. Minor asp. @ 55.6' - 58.8'	write intergrowths	50			-										
		52.8' - 54.3', 58.8' - 60'. Abun	dant asp. @ 54.3'	-						_							
		55.6. Minor asp. @ 55.6' - 58.8'	. Bedding 20°0 6	50'.	-	_				1992	1	100	1.1.1.1				
			- contraction -		-	_	-		_			-					
	1		a series and the series of	-		-	-			_				1.0			
-						_	$\rightarrow$								1 marsh	1	
	B.T.				-	_	-				-						
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		and the second			-		-	-									
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		ILL HOLE RECORD	Level A Location A 08		Lat Dep	<b>D</b> .	4418. 3997.		Hole N Sheet I	No.	2591 1/1	Dip Tes	couve	-
SCC	T GC	OLD MINES LIMITED	Date Started Feb.	14	Ele		5612.	63	Core S		AQ			
			Date Finished Feb.	14/82	Bec	ring			Logged	by G.	GRIESBACH	1.4		
		the second s	Depth 36'		Slop	be .	+900			Feb	. 15/82			
FOO	TAGE					-		CORE AS	SAYS			B	ECOVERY	-
	то	DESCRIPTIONS		NO.	FROM	то		Au 🕷	*	1	1 1	RUN	SHORT	-
FROM		Augilities fine analogd nale grounich	mou to usqualy	54770	11.51.52.52.5	5		.078		-	+			_
0	36	Argillite: fine grained pale greenish	rey to vaguely	71	5	10	5			+		0-33.		
	-	bluish grey, finely interbedded sil	iceous, occa-	1 70				.111		-		33.5-30	1'	
	sionally derty argillite and mildly		pyroxene skarned	72	10	15	5	.053		-	-	1	-	
1.11		argillite. Banding 60° @ 1', 27'.	very abundant	73	15	20	5	.021		-				
1	1.	Argillite: fine grained pale greenish of bluish grey, finely interbedded silt sionally derty argillite and mildly argillite. Banding 60° @ 1', 27'. asp. @ 3.3' - 7.2'. Moderate asp. @ Minor asp. @ 25' - 36'. Sparse asp. 14.2' - 25'. From 33.5' to 36' the broken due to proximity to (blasted) Stope floor. Minor pyrrhotite @ 0 - Broakthrough at 36'	7.2' - 14.2'.	74	20	25	5	.102		-		1.1		25
		Minor asp. @ 25' - 36'. Sparse asp.		75	25	30	5	.073	_		1			
		14.2' - 25'. From 33.5' to 36' the	rock is very	76	30	36	6	.044						
		broken due to proximity to (blasted	Upper Purple											
		Stope floor. Minor pyrrhotite @ 0 -	- 36'.							1				-
		Breakthrough at 36'.	and the second	1			1		1000	1				_
									100	1		-		_
														-
	END									-		-		-
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			and the second second					-		-	-			
			and the second second	-					- Alter	1		1.4		
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			and the second s									-		-

MON	DDF	RILL HOLE RECORD	Level A	-	Lat		4422			Hole No.	U 2592	Dip Tes	cou i	-
			Locotion A D		Dep		3996			and the second se	1/1			-
MASC	OT G	OLD MINES LIMITED		. 16	Elev	the second se	5615	.92		Core Size	AQ			_
y			Date Finished Feb Depth 117		Slop		0300	13'			G. GRIESBACH Feb. 18/82			-
F	OOTAGE	DESCRIPTIONS	1 Depin 117	1	1 2100	)e	-	CORE A	SSAYS		rep. 18/82	R	ECOVER	RY
FRO	the second se	DESCRIPTIONS		NO.	FROM	то		Au 🛪	*			RUN	SHORT	T
0	20.5	Argillite: very mildly skarned, chlo		54886		5	5	.066				0-5		
	_	grained, greenish grey, moderatel;	y siliceous, asp. ric		5	10	5	.203				53-8		
		argillite. Bedding irregular but 25° to CA. Scattered asp. @ 6.6'	generally trends 0-	88	10	15	5	.075	1			83-1	17 0	
		25 to CA. Scattered asp. @ 6.6'	- 20.7'. Minor asp.	89	15	20.5	5.5	.044		-			1	
		@ 18.2' - 20.7'. Moderate asp. @	3.3' - 5.9'.	90	20.5	25	4.5	.031	1		and the second			
		Extremely abundant asp. 0 5.9' - 0	5.6'.	91	25	33	8	.076			and the second second	it and		
		N			33	41	8	.050						T
20	.5 25	Skarn: Strongly pyroxene skarned (por		93	41	48.5	7.5	.010	2					Т
		buff coloured impure limestore.	Minor asp. @ 20.5' -		48.5		10.5	.033						T
		21.2'. Very abundant asp. @ 24.1	' - 25'. Vague	95	59	71	12	.015						T
		banding approximately parallel to	CA.	96	71	83	12	.003	1.1.1.1					T
				97	83	95.4	12.4	.002	1999					t
25	48.5	Argillite: medium grey to bluish grey	v slightly limey to	98	95.4	102.3	6.9	.003	1.					+
		very siliceous argillite with bed	s of pure limestone	54964	102.3	117		.001				-		t
		@ 36.4' - 37.4', 43.4' - 44.5'.	The limiest beds					1201				-		t
		have been mildly pyroxene skarned.	Brecciated				-						1	t
		argillite and chert beds in a lime	estone matrix are	-			-					-		t
		present @ 37' - 43.4'. Minor pyri	and scattered	-			-		-			-		t
		chalcopyrite present in all but 1	imestone beds	-								-		t
				-			-		-			-		+
48	.5 95.4	Porphyry: 80% feldspar phenocrysts in	aphanitic pale				-					-	-	+
		greenish grey to white matrix. Ni	1 mineralization									-		+
		greenten greg to mitte matrix, n	and an ere free for the second second											+
95	.4 97.2	Brown Dike: Small amount of pale, min	ute, indistinct									-		+
		phenocrysts or alteration spots in	a dark brown						1					t
	-	aphanitic matrix. Nil mineralizat	tion. Contacts with	-		1000						-		+
		aphanitic matrix. Nil mineralizat porphyry extremely sharp at 35° to	CA.									-		+
		perping excremely sharp at 55 c												+
97	.2 99.2	Porphyry: Identical to 48.8' - 95.4'.		-			-						-	t
												-		+
99	.2 102.3	Brown Dike: Identical to 95.4' - 97.2	Same contact									-		+
		attitude as before.	Jame contact	-	-		-							+
		accitude as before.		-		-							-	+
102	.3 117	Porphry: Identical to 48.5' - 95.4'.					-							+
102		rorpiny: Identical to 40.5 - 95.4 .										-		+
									-			-		+
	END			-					-					+
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NON	D	DR	ILL HOLE RECORD	Level A Location A 08 DS	1.07	Lat	_	4421,			Hole No. Sheet No	U 2593	Dip Tes	ts -
				A 00 01		Dep		3996		_	the second se	the second se		
MAS	coi	GC	DLD MINES LIMITED	Date Started Feb.		Ele		5618	62		Core Size	and the second sec		
_	1000	in the second	and the second	Date Finished Feb.	18/82		pring	0350	_ 30'	-	Logged b	y G. GRIESBAC	H	
				Depth 61'		Slop	pe					Feb. 22/82	-	-
1	FOOTA	GE	DESCRIPTIONS				21		CORE A	SSAYS			R	ECOVER
FR	MON	TO			NO.	FROM	TO	FEET	Au 🕷	*			RUN	SHORT
	0	7.0	Skarn: fine grained medium greenish	grey, slightly	54906	0	7	7	.525				0-32	0
			pyroxene skarned, finely bedded (	30 @ 2', 7')	07	7	12	5	.073				32-41	1
			argillite. Minor disseminated as	p. 0 0.5' - 1.5'. 3'-	08	12	17	5	.020				41-46	3.5
			6'.		09		22	5	.030				46-56	
					10		28	6	.089				56-58	
	7.0	24	Chert Breccia: wide variety of chert	and angillite breccia			34	6	.151				58-61	11
			beds with extremely variable clas	te sizes and percent	47		41	7	.138				50-01	
-	-		in a slightly limey argillaceous	matrix No		41	51	10	(only	31 00	overed			-
	-	-+	"alaccical" chart broading (such	that underlinder	40	51	56	10	.033	J Te	overed			-
	-		"classical" chert breccias (such	as that underlying		56	61	5		_				-
	-		the Upper Purple Stope) present. 0 6' - 6.6' in skarn.	Superabundant asp. @	50	30	01	5	.056	-				-
-	-		e o - 0.0 in skarn.		-		-	-						
-	-										-			
2	4	28	Chert Breccia: as above but with muc	h limier matrix.			-	2		-				-
	-		Abundant asp. @ 27.6' - 28'. Abu	ndant chalcopyrite			-	1	-					
			@ 26.4' - 28'. Minor asp. and mo	derate pyrrhotite @	_					-				
			24' - 28'.											
_	_					1								
2	8	61	Argillite: slightly mottled light gr	eenish grey to dark		E								
	- 62		grey siliceous argillite. Occasi Rock is weakly faulted within 31' The core within this interval is	onal limey beds.		10000								
	- 1		Rock is weakly faulted within 31'	- 61' (approximately)			1.00							
			The core within this interval is	somewhat broken but						5				-
			hard. Sparse asp. @ 37' - 61'.			in the second								
			34.4' - 37'. From 55' to 61' the	rock is very									2.	
		- 1	slightly weathered and contains a	few chlorite-										
			epidote veinlets.											
			Breakthrough into floor of Upper	Purple stope at 61'.						0				
					1997	1000	-			119				
					10000	2								
						1								-
		B.T.												
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				Location A13	_	De		1		_	heat N	a 1/3	4. 1.	1				
m		H G	DED MINES LIMITED	Date Started		Ele					Core Si	1						
¥		_		Date Finished Depth	-			117.					EIE BACK				1	
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	TRON	. 10	DESCRIPTIONS		No.	FROM	То	FEET	CORE	SSAYS					RECO			
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	5		allered warne white	n / d P.		105	1:3	8	.015								ř	
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NOL		a state of the second sec	Date Finished			aring				Legend	by 6.	(REAL	KH		4	1.1
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