63.4560 DM84-99



63.4560 FUL INT

010

#### SUMMARY REPORT

on

#### GEOLOGY, GEOPHYSICS, 1984 DIAMOND DRILLING PROGRAMME and MINERAL RESERVES

of the

#### GOLDEN HARKER GOLD DEPOSIT, HARLEY and **INCO PROPERTIES**

i n

#### HARKER, ELLIOT AND HOLLOWAY TOWNSHIPS AREA LARDER LAKE MINING DIVISION, COCHRANE DISTRICT, NORTHEASTERN ONTARIO, CANADA

for

#### **DISCOVERY-LENORA JOINT VENTURE**

by

#### Andrew J. Troop, P.Eng.

and the second second spin and the second second

\*\*

Toronto, Ontario, Canada.

ي دينينده و ويدو

May 6, 1985.



- 11

#### TABLE OF CONTENTS ------

	Page
SUMMARY	1
INTRODUCTION	1
PROPERTY, DESCRIPTION, AND LOCATION	2
ACCESSIBILITY, TOPOGRAPHY AND LOCAL RESOURCES	9
HISTORY	9
GEOLOGY	11
I GENERAL GEOLOGY	11
II MINE AND DRILL SECTION GEOLOGY	12
(1) Extrusive Rocks	12
(2) Intrusive Rocks	12
(3) Interflow Sedimentary Rocks	12
III MINERALIZATION	13
DIAMOND DRILLING RESULTS	13
MINERAL RESERVES	18
GEOPHYSICAL RESULTS	37
TRENCHING RESULTS	38
CONCLUSIONS AND RECOMMENDATIONS	39
FIGURES	
FIGURE 1 - PROPERTY LOCATION PLAN - 1" = 4 Mi	les 6
2 - PLAN OF CLAIM GROUPINGS - HARKER & HARLEY 1" = 2,64	0'7
3 - PLAN OF CLAIM GROUPINGS - INCO $1^* = 2,64$	0'8
FIGURE 4 - DIAMOND DRILL SECTIONS - H-84-3 to 5 & 9 $1^* = 5$	0' 19-2

••

- 111 -

# TABLE OF CONTENTS

FIGURES			rage
FIGURE	5 - DRILL HOLE LOCATION - HARKER-NORTH 1" =	400'	23
	6 - DIAMOND DRILL SECTION - H-84-6 1° =	50'	24
	7 - DRILL HOLE LOCATIONS - HARKER-SOUTH 1' =	400'	25
	8 - DIAMOND DRILL SECTIONS - H-84-7 & 8 1" =	50'	26-7
	9 - DRILL HOLE LOCATIONS - INCO 1' =	400'	28
	10 - DIAMOND DRILL SECTIONS - 1-84-1 to 4 1' =	50'	29-2
FIGURE	11 - DIAMOND DRILL SECTIONS - NH-84-1 to 4 1 =	50'	33-6
TABLES			
TABLE	1 - LAND TENURE - PATENTED & UNSURVEYED CLAIMS		3
	2 - SUMMARY OF PROJECT DIAMOND DRILLING		15
	3 - SUMMARY OF ASSAY RESULTS - GOLDEN HARKER		17
TABLE	4 - GEOLOGICAL RESERVES - GOLDEN HARKER		17
REFERENCE	S		v
CERTIFICA	ATE .		vii
APPENDICE	S		VIII.
APPEND	DIX 'A' - SURFACE GEOLOGY PLAN & DDH'S- HARKER	1" =	200'
	"B" - MINERAL RESERVE LONGITUDINAL SECTION as of October 1, 1984.	1' =	100'
	C' - EAST GROUP MAGNETIC PLAN - HARKER	1' =	400'
	"D" - NORTH GROUP MAGNETIC PLAN - HARKER	1" =	400'
APPEN	DIX 'E' - SURFACE GEOLOGICAL PLAN - INCO	1'=	200'

**.** 

.

Page

- iv -

# TABLE OF CONTENTS

#### APPENDICES

APPENDIX	'F' - MAGNETIC PLAN - INCO	1' = 200'
	'G' - ELECTROMAGNETIC PLAN - INCO	1' = 200'
	"H" - DRILL HOLE LOCATIONS - HARLEY	1 = 400'
	"I" - DIAMOND DRILL LOGS - ALL PROPERTIES	
APPENDIX	"J" - DIAMOND DRILL SECTIONS - H-84-1 & 2	1'= 50'

...



SUMMARY

Late in May, 1984, the Discovery - Lenora Joint Venture commenced a programme of mineral exploration consisting of geophysics, diamond drilling and heavy mechanical equipment trenching. This work was completed on three individual optioned properties in the Matheson, Harker Township area, and in each case the data was submitted to the Ministry of Natural Resources for assessment credits.

Of the eighteen diamond drill holes completed, seven minimally expanded the known Golden Harker interflow gold deposit and eleven explored the same interflow sedimentary horizon to the northeast and southwest on the Harker South, Harley and Inco properties. One hole was drilled on the Harker North group to investigate the suspected presence of a felsic volcanic unit.

A number of miles of 400' grid lines were cut and chained and some old lines re-chained to allow the completion of magnetic and electromagnetic surveys over portions of all three properties. Generally the magnetic surveys are the cheapest and most useful tool, and were run on all properties with the exception of the Harley which had already been surveyed. Only the inco property was covered by an electromagnetic survey to locate known airborne conductors on the ground. The plots of these surveys were used to locate the position of the above noted outside reconnaissance exploration diamond drill holes.

Two trenches were excavated and four outcrops were stripped in an attempt to visually inspect the suspected trace of the interflow sedimentary horizon. Only one trench was successful and exposed a a portion of a carbonatized, pyritized, graphitic argillite horizon on the Inco property.

A recalculation of the original and Phelps Dodge of Canada Limited geological mineral reserve estimate from surface to the 560 foot level, tripled the tonnage to 186,500 tons but reduced the grade from 0.25 to 0.16 ounces of gold per short ton.

#### INTRODUCTION

#### \_\_\_\_\_\_

Effective January 1st, 1984 option agreements were signed by Golden Harker Explorations Limited, Nelson Harley and Canadian Nickel Company, Limited in favour of Discovery Mines Limited and Lenora Explorations Limited who then formed a joint venture to explore the properties. Discovery Mines was nominated as the operator.

During the period May 24th to December 14th, 1984, 18 diamond drill holes were completed totalling 8,305 feet, 4 miles of truck usable bush road and 4 miles of drilling machine usable bush road were constructed, 8 miles of baseline and picket lines were cut and chained, 20 miles of picket line were surveyed using a portable magnetometer, 6 miles of line were surveyed using an Apex Max-Min horizontal electromagnetic instrument, 2 trenches were excavated, 4 outcrop areas were stripped, and two claims were surveyed by an Ontario Land Surveyor as a lease requirement. The main drilling camp was set up immediately north of the Golden Harker property and a temporary camp was installed at the south end of the bush road just east of the Inco property. All the diamond drill core was logged and mineralized sections sampled, and has since been stored at the Ontario Department of Mines core shack in the Kirkland Lake area. Plans and sections were prepared to illustrate the results of the drilling and geophysical surveys, and are attached to this summary report.

All the Golden Harker unsurveyed claims with the exception of the Elliot township or South group and two claims in the East group, have had sufficient qualified assessment work applied to total 200 days for each claim and thereby allowing application for lease if desired. The South group claims each now have three years or 100 days of assessment credits filed, and the two East group claims have been surveyed, as noted above, to qualify for a lease application. Two years or 80 days of work were recorded on each claim of the Harley property, and each of 100 claims of the Inco property had one year or 40 days of work recorded with the Kirkland Lake Mining Recorder of the Ontario Ministry of Natural Resources.

As of December 31st, 1984, on the expiration of the first anniversary of the various option agreements, Discovery Mines Limited declared non-participation in a second year of exploration activity for within the terms of the Joint Venture. It is believed that Lenora Explorations Limited will pursue the venture alone or with another partner in 1985.

# PROPERTY, DESCRIPTION, AND LOCATION

The 152 crown land claims listed in Table 1 are located in Harker, Holloway and Elliot Townships, Larder Lake Mining Division Ontario (see Figure 1) and comprise four individual groups as illustrated by Figures 2 and 3. They have differing recording dates and these are listed in Table 1 together with the applied assessment credits and those required by the terms of the various option agreements. There are 18 patented mining claims which form the central core of the claim groups. Three claim groupings are located in the southeast and southwest quarters of Harker and Holloway townships and one group is situated within the northeast quarter of Elliot township. The centre of the properties is located approximately 35 miles east of Matheson, Ontario and 7 miles south of Highway 101.

### TABLE 1

#### \_\_\_\_\_

LAND TENURE - PATENTED & UNSURVEYED CLAIMS Golden Harker Explorations Limited Option

#### PATENTED CLAIMS:

Township	Claim No.	Acres
Usekoe	1 7205	
		59.0U 43.30
•		43.30
•	L 7307	68.10
	L 7312	22.37
•	L 7313	13.00
•	L 9052	39.10
•	L 9142	40.00
•	L 9197	50.00
•	L 11676	44.80
•	L 11677	27.70
•	1 11678	6.20
	1 13138	50 40
1	1 12120	50.40
•		34.20
	L 13194	39.20
•	L 13195	57.70
•	L 13342	28.20
•	L 13343	39.90
Harker	L 14704	39.70
TOTAL - 18 Patente	d and Surveyed Claims -	724.07 Acres
UNSURVEYED CLAIMS:		
	second Decended Decended Wark	De sur Marsh

Twp.	Claim	n No.	Record Date	Recorded Days Original	Recorded Days J.V.	Work Requ. by Record Date Year-1984	Work Required by 1st Anniv. Agreement	-
North (	Group							
Harker	L578	372	Oct.6/80	102	98	NII	200 days	
•	L	3	•	60	140	•	200 "	
•	L	4	•	60	140	•	200 •	
Harker	L	5	•	60	140	•	200 "	

- 4 -	
-------	--

Twp.	Claim No.	Record Date	Recorded Days Original	Recorded Days J.V.	Work Requ by Record Date Year-1984	Work Required by 1st Anniv. Agreement
Harker	L 6	•	60	140	•	200 *
•	L 7	•	60	140		200 "
Harker	L578378	Oct.6/84	60	140	NII	200 days
TOTALS			762	938	Nil	1,400 days
East G	roup					
Harker	L578854	Nov.14/8	0 200	NII	NI	Take to Lease
Harker	L561998	Jun.25/8	1 200	NIL	NIL	Take to Lease
TOTALS			400 da	ys Nil	NIL	Take to Lease
Fast G	 10110		*******			**********
Hollow	av1578844	Nov . 17/8	0 100	100	NI	200 davs
	L 5		100	100		200 "
•	L 6		85	115	•	200 *
•	L 7	•	97	103		200 "
	L 8	•	85	115	•	200 *
•	L 9	a	85	115	•	200 "
Hollowa	ay L578850	Nov.17/8	0 85	115	1	200 days
TOTALS			637	763	NII	 1,400 days
Couth (	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		********			
	1578045	lan 22/8	1 60	46	24 dave	10 dave
		jan • 22/0	60	40	28 <b>1</b>	40 Udys
	1578380	•	60	42	38 "	40 .
	L 1		60	42	38 •	40 "
	1578851		60	42	38 *	40 *
•	1 2	lan.22/8	1 60	42	38 1	40 *
	1 3	Feb. 19/8	1 60	42	38 *	40 '
•	L578867	1 00001770	60	42	38	40
•	L B	•	60	42	38 "	40 "
•	L 9		60	42	38 '	40 "
٠	L 70	*	60	42	38 "	40 *
•	L579121	•	60	42	38 "	40 *
•	L 2	1	60	42	38 '	40 *
•	L 5 9 8 7 5 1		60	42	38 '	40 '
•	L 2	•	60	42	38 '	40 *
•	L 3		60	42	38 '	40 '
•	L 4	•	60	42	38	40 "
	L 5	•	60	42	38	40
	L 6		60	42	38 "	40
	L 7		60	42	38	40
Elliot	1598758	Feb.19/8	1 60	42	38 days	40 days
TOTALS			1260	886	794 days	840 days

\*\*

- 5 -

Twp.	Claim No.	Record Date	Recorded Days Original	Recorded Days J.V.	Work Requ. by Record Date Year-1986	Work Required by 1st Anniv. Agreement
Harker	L562107	Jun.26/	81 60	98	42 davs	80 davs
•	L 8		60	98	42 '	80 "
•	L 9	•	60	98	42 "	80 "
•	L 10	•	60	98	42 '	80 '
•	L 1	•	60	98	42 '	80 "
•	L 2		60	98	42 *	80 "
<b>N</b>	L 3		60 ·	98	42 *	80 "
	L 4	•	60	98	42 "	80 "
•	L 5	•	60	98	42 "	80 "
•	L 6	•	60	98	42 '	80
•	L 7		60	89	51 '	80 '
U	L 8	•	60	98	42 '	80 "
•	L 9	•	60	98	42 '	80 "
•	L 20	•	60	98	42 '	80 '
Harker	L562121	Jun.26/	84 60	98	42 days	80 days
TOTALS			900	1461	639 days	1200 days
Twp.	Claim No.	Record Date	Recorded Days Original	Recorded Days J.V.	Work Requ. by Record Date Year-1985	Work Required by 1st Anniv. Agreement
Harker	L588480	Feb.16/	81 60	40	40 days	40 days
Harker	L588481	1	60	40	40 •	40 •
Hollow	av1588014	Feb.16/	81 60	40	40 davs	40 davs
*	1588165		60	40	40 "	40 "
	1588169-	72 '	240	160	160	160 '
	1588175-	79 •	300	200	200 '	200 "
•	1588182-	98 "	1020	680	680 "	680 "
	L588274-	93 '	1200	800	800	800 "
-		80 .	120	80	80 '	80 '
•	L588388-	09				
1	L588388- L588468-	71	240	160	160 '	160 "
•	L588388- L588468- L588476-	71 <b>'</b> 79 <b>'</b>	240 240	160 160	160 <b>'</b> 160 <b>'</b>	160 <b>*</b> 160 <b>*</b>
•	L 588388- L 588468- L 588476- L 588534-	71 ° 79 ° 37 °	240 240 240	160 160 160	160   • 160   • 160   •	160 ' 160 ' 160 '
•	L 588388- L 588468- L 588476- L 588534- L 588539-	71 79 37 40	240 240 240 120	160 160 160 80	160 ' 160 ' 160 ' 80 '	160 ' 160 ' 160 ' 80 '
•	L 5 8 8 3 8 8 - L 5 8 8 4 6 8 - L 5 8 8 4 7 6 - L 5 8 8 5 3 4 - L 5 8 8 5 3 9 - L 5 8 8 5 5 8 -	71 79 37 40 75	240 240 240 120 1080	160 160 160 80 720	160 ' 160 ' 160 ' 80 ' 720 '	160 ' 160 ' 160 ' 80 ' 720 '
Hollow	L 588388 - L 588468 - L 588476 - L 588534 - L 588539 - L 588558 - /ay L 599010 -	71 79 37 40 75 25	240 240 240 120 1080 960	160 160 160 80 720 640	160 160 160 80 720 640 days	160 160 160 80 720 640 days
Hollow	L 588388 - L 588468 - L 588476 - L 588534 - L 588539 - L 588558 - /ay L 599010 -	71 79 37 40 75 25	240 240 240 120 1080 960	160 160 160 80 720 640	160 160 160 80 720 640 days	160 160 160 80 720 640 days

. ~







1 8 1

## ACCESSIBILITY, TOPOGRAPHY AND LOCAL RESOURCES

The general area may be reached by travelling east for 35 via Highway 101 to to one of two unimproved gravel and clav miles surfaced roads that wind more less due south for 7 or 8 miles. These two unimproved roads lead to different portions of the properties and were used almost exclusively by the joint Venture. The first, or most westerly, which was originally a logging road, allows access to the Golden Harker and Harley properties and terminates at the old Harker Shaft. Some 3 miles farther to the east along Highway 101, the second road services the camp of another exploration group, however the joint venture constructed a new branch trending southwesterly from a turn-off some 4 miles south of the main highway. This new section was constructed to within half a mile of the east boundary of the inco property.

The terrain is typically preCambrian with areas of heavy to light bush, muskeg, swamp and sand plains. Within the area of the Harker and Harley properties, large sections have been completely denuded by old timbering operations and all that remains are piles of slash and timberjack machine ruts. The Inco property is still covered by virgin forest but there is some evidence of a bush fire that ravaged the area many years ago.

There are no economically viable resources other than the possibility of mineral occurrences beneath the surface.

#### **HISTORY**

#### \_\_\_\_\_

The original property was acquired by Harker Gold Mines Limited in 1924. Mr. J.E. Hammell managed the company and presumably owned a controlling interest. In 1960 the name was changed to Golden Harker Explorations Limited which subsequently resulted in a change in management that that remains in place as of the date of this summary report.

In 1923 the Harker gold bearing structure was staked and during the year some trenching was completed. By 1924 fifteen diamond drill holes were bored totalling 5,600 feet. These drill holes, some of which are located on the attached longitudinal section, intersected the main structure at the 200' level along a 3,000 foot strike length. A second or Number 2 Zone, located a few hundred feet to the northeast, was also tested by limited trenching and surface drilling. The results were considered to be of importance, and in 1925 a vertical 2 compartment shaft was sunk to a depth of 550 feet. By 1929 the shaft had been deepened to 1,050 feet and approximately 7,000 feet of cross-cutting and drifting had been completed. Levels were driven at the 125, 250, 375, 500 and 1,000 foot elevations, and, in all cases, these workings followed the gold bearing horizon. The Number 2 Zone was explored by the 250 foot level.

The underground headings were sampled round by round, and when interesting gold values were encountered the backs were also sampled at regular intervals. The sampling routine appears to have been performed competently and the samples were assayed by the Company's on-site laboratory. Unfortunately, the second stage of underground exploration on the 1,000 foot level failed to duplicate the tenor of the results on the upper levels and late in 1929 the operation was terminated and all the equipment was removed to Ramore, Ontario.

The property remained dormant until 1980 when the present owners staked a number of additional mining claims in the vicinity of the 18 claim patented group. During the years 1981 through 1983, the property was optioned to Phelps Dodge Corporation of Canada and the entire claim group was covered by a 400' grid, geophysically surveyed using a vertical loop method, geologically mapped and diamond drilled. Nine drill holes totalling 3,380 feet were completed, and following the compilation and assessment of results, the option was terminated. Before the expiration of the the option, Phelps Dodge shipped 7,000 tons of stockpiled 'ore' that had been placed on surface during the original underground exploration programme, to the Pamour mill in Timmins. A grade of 0.14 ounces of gold per ton was reported and it was rumoured that both Phelps Dodge and Golden Harker shared in a modest profit.

The exploration history of the present inco claim group has not been as well documented. To the west, on a small four claim patented group owned by Coin Lake Gold Mines Limited, in 1917 a number of pits were excavated on a gold bearing quartz vein having a 200' strike length. Later in 1922, a 48 foot shaft was sunk, but no lateral development was performed. A total of 1,820 pounds of gold bearing muck from these excavations was sent to a laboratory on Cobalt, Ontario from which 0.70 ounces of gold per ton were recovered. In 1945 seventeen shallow diamond drill holes completed to further explore the above mentioned pits. were south, Amax Minerals Exploration performed a Farther to the borne aerial magnetic and electromagnetic survey, but helicopter did nor produce any valid conductors.

Canadian Nickel staked the present claim group in 1981 and completed a magnetic and electromagnetic airborne survey and a reconnaissance geological survey. The airborne programme located a number AEM conductors immediately east of the Coin Lake property and the magnetics confirmed that the geological sequence resembled that of the Golden Harker property. There is no history of exploration related to the Nelson Harley claim group other than complete coverage by ground magnetic and VLF electromagnetic surveys performed by Mr. R. Bennett for the vendour prior to the option agreement.

On January 1st, 1984 the properties were optioned by the Discovery - Lenora Joint Venture and this summary report describes the exploration programme that was completed by the end of the year.

#### GEOLOGY

\_\_\_\_\_\_

#### I GENERAL GEOLOGY

-----------

Harker, Holloway and Elliot townships are underlain by a volcanic/sedimentary assemblage known as the Kinojevis Group comprising a small portion of the Abitibi 'Greenstone' Belt, which are Archean rocks of mainly Keewatin age within the Superior Precambrian Province. They are composed of felsic to mafic volcanics, detrital and volcanic sediments and felsic to ultrabasic intrusives. The volcanics are considered to be within the greenschistupper amphibolitic facies of metamorphism. A major structural break known as the Porcupine-Destor Fault trends in an east-west direction, subparallel to the lithological strike, and is located within one mile of the northern boundary of Harker and Holloway This feature produced many subsidiary, east of north townships. trending fault systems, several of which, effectively offset the metavolcanics by a sinistral movement in the vicinity of the known gold mineralization on the Harker property. The Porcupine-Destor Fault system also separates an intrusive ultrabasic series which lies to the north, from a metavolcanic series of the Kinojevis Group to the south. The metavolcanics are intruded by numerous small syenitic plugs, stocks and dykes, and the occasional diabase dyke.

The metavolcanic assemblage, predominantly basaltic in composition, which underlies the joint Venture properties strikes at 070 degrees and dips approximately 80 degrees to the south. They have not been overturned nor extensively folded. The attitude of the sedimentary rocks is essentially that of the metavolcanics, since they represent interflow material of either volcanic or sedimentary origin.

# (1) Extrusive Rocks

Extrusive rocks predominate the assemblage which underlies the properties. These rocks consist primarily of a series of magnesium-rich or iron-rich tholeiitic basalts which are frequently intercalated with narrow felsic to intermediate flows and narrow highly altered interflow sedimentary/volcanic material. The magnesium-rich basaltic lavas, which weather greenish-grey, are generally massive with variolitic, amygdaloidal and pillowed facies while the iron-rich basalts, which weather dark brown, often have a diabasic texture, are massive and frequently exhibit narrow variolitic and fragmental tuff-breccia sections. All rocks are somewhat altered by regional metamorphism to the greenschist facies.

(2) Intrusive Rocks

Within the confines of the properties only diabasic dykes and syenitic intrusives have been recognized. The diabase dykes exhibits a cross-cutting feature and strikes in a northerly direction and an example is located immediately east of the Number 2 Zone. Subparallel and cross-cutting syenite dykes are to be found throughout the Harker core in the vicinity of the shaft mineralized zone and seem to bear some relationship to the incidence of gold bearing pyrite. Two generations of syenite have been identified. The first of which has the subparallel occurrence and is highly sheared and carbonatized and the second is obviously crosscutting, relatively fresh and medium grained with frequent porphyritic phases.

No intrusive rocks were observed either on outcrop or in the core within the boundaries of the Harley or Inco groups.

(3) Interflow Sedimentary Rocks

These rocks are not uncommon for the general area but only one horizon has been noted on the three properties in question. It is assumed that the interflow units that were encountered in the diamond drilling are extensions of the same horizon, and lithologically and magnetically occupy a similar stratigraphic position. The thickness of this unit seldom exceeds twenty feet and averages less than ten.

Stratigraphically, these rocks are situated at the interflow contact between the magnetite-rich tholeiltic hanging wall basalts to the south and the footwall magnesium-rich tholeiltic basalts to the north.

In core or hand specimen, these gold bearing interflow rocks are relatively easy to identify since they have a distinctive grey colouration, are moderately carbonatized, often silicified, and exhibit intense shearing. When the pyrite content increases and the silicification is more pronounced than the carbonatization then the gold values are often in excess of 0.12 ounces per ton. The interflow rocks on the Harley property were not well developed, whereas the inco interflows include a number of very narrow, conductive, black, graphitic argillite units intercalated with wackes and unidentifiable sheared rocks. This series exhibits some carbonatization, shearing, but no gold mineralization.

## III MINERALIZATION

Macroscopically the sulphide mineralization seems to be relatively simple since only pyrite has been noted and the tenor of the gold mineralization is related to the amount of pyrite and the degree of silicification and carbonatization. The greater the incidence of pyrite and silicification the higher the gold content. A rock outcropping immediately south of the old shaft collar exposed some of the mineralized zone and reveals the presence of obvious quartz flooding on a fairly massive scale. However, only minor quartz flooding was noted in the drill core or in specimens collected from the remnants of the old ore dump that was hoisted from underground in the late 20's. Perhaps with increased quartz flooding the gold tenor could be even higher than that noted in the current programme.

No thin nor polished section examinations have been completed, therefore the rock forming minerals have not been accurately identified and the paragenesis not determined.

## DIAMOND DRILL RESULTS

Eighteen diamond drill holes were completed for a grand total of 8,305', and explored portions of all three properties. The greatest concentration of drilling was in the vicinity of the old Golden Harker Shaft and this was done in an attempt to expand the known gold bearing mineral reserves.

Two diamond drilling contactors were involved. St. Lambert Diamond Drilling Co., Limited completed the programme on the Golden Harker and Harley properties and bored 14 holes totalling 6,543' during the period May 24th through August 1st, 1984. The second contractor, Heath & Sherwood Drilling drilled four holes on the Inco property totalling 1,762' during the period November 14th through December 1st, 1984.

Figures 5, 7, and 9 and Appendices "A" and "H" locate the

sections larger than letter size are to be found in Appendix "J". A complete set of the diamond drill logs are to be found in Appendix "I".

Table 2 lists all the drill holes with their inclination, azimuth, coordinates and depth. Table 3 catalogues of all the drill intersections and gold assay values that were recovered in the vicinity of the old underground workings on the Golden Harker property. There were no gold bearing mineralized sections cored in any of the other holes.

The Harker South group diamond drilling (two holes) intersected the contact between the magnetite and magnesium-rich tholeiitic basalts and revealed a narrow interflow sedimentary horizon which carried only minor gold values. To the north-east on the Harley property, four diamond drill holes cross-sectioned the same contact but failed to intersect any altered interflow rocks.

Four diamond drill holes sectioned the above mentioned contact and coincident electromagnetic conductors on the Inco property, but unfortunately revealed graphitic bearing argillites with pyrite mineralization and no gold values.

## TABLE 2

#### 

SUMMARY OF PROJECT DIAMOND DRILLING

#### PATENTED GROUP - HARKER TOWNSHIP

HOLE # SECTION INCLINATION AZIMUTH DEPTH LEVEL OF INTERSECTION

H-84-1	1E @	4+15S	-	60°	334°	f	550'	535	Level
H-84-2	4W @	5+90S	-	71°	320	1,1	161'	1050	•
H-84-3A	6W @	3+755	-	60°	•		26'	Abano	doned
H-84-3	6W @	3+005	-	61°		5	522'	400	Level
H-84-4	8W @	3+00\$	-	58°	•	4	<b>192</b> '	365	
H-84-5	10W @	2+90S	-	60°		4	192'	375	1
H-84-9	12W @	3+00S	-	58°		5	512'	375	Level

NORTH GROUP - HARKER TOWNSHIP HOLE # SECTION INCLINATION AZIMUTH DEPTH REMARKS H-84-6 12W @ 15N \* -50° 315° 341' Filed for assessment on July 23, 1984. \* Phelps Dodge Grid SOUTH GROUP - ELLIOT TOWNSHIP HOLE # SECTION INCLINATION AZIMUTH DEPTH REMARKS \_ \_ \_ \_ \_ \_ \_ \_ \_ -------------310° 443' Filed for assessment H-84-7 32W @ 26+75N\* -50° 310° 443' on July 23, 1984. H-84-8 24W @ 23+97N -50° ----TOTAL 5,082' \_\_\_\_\_ \* Phelps Dodge Grid **NELSON HARLEY GROUP - HARKER TOWNSHIP** HOLE # SECTION INCLINATION AZIMUTH DEPTH REMARKS -----NH-84-1 9E @ 23+60S\* -50° 360° 335' Filed for assessment 433' NH-84-2 21E @ 18+255 -50 360 on August 21, 1984. NH-84-3 33E @ 16+105 -50 360 344 ' NH-84-4 45E @ 12+00S -45° 360° 348' \_ . . . . 1,461' TOTAL ------\* Harley grid INCO OPTION PROPERTY - HOLLOWAY TOWNSHIP HOLE # SECTION INCLINATION AZIMUTH DEPTH REMARKS 1-84-1 40 E @ 0+65N -50° 340° 480' Filed for assessment 1-84-2 32.5E @ 2+00N -50° 386' 340° on December 10, 1984. 420' 1-84-3 24 E @ 1+35N -50° 340° I-84-4 12 E @ 0+65S -50° 340° 476' \_ \_ \_ \_ \_ 1,762' TOTAL -

GRAND TOTAL -

8,305'

----

- 15 -

## TABLE 3

## SUMMARY OF ASSAY RESULTS - GOLDEN HARKER Golden Harker Patented Group

DDH H-84-1 Main Zone Sample No. Interval - feet Intersected Assay - Au Average From To Width-feet Ozs./ton 3617 611.0 -612.5 1.5 0.002 8 612.5 - 615.1 0.005 2.6 9 615.1 -618.0 2.9 0.005 618.0 -20 620.1 2.1 0.002 1 620.1 -622.5 2.4 0.005 2 622.5 -625.7 3.2 0.035 ) 0.035/3.2' 3 625.7 -628.8 3.1 0.002 4 628.8 -631.9 3.1 NIL 5 631.9 -634.9 3.0 NIL 637.6 634.9 -3626 2.7 0.002 Total intersection equals 26.6 feet. DDH H-84-2 Main Zone Sample No. Interval - feet Intersected Assay - Au Average Width-feet Ozs./ton From To 3665 1110.1 -3.3 1113.4 NIL 6 1113.4 -1116.7 3.3 NIL 7 1116.7 - 1119.9 3.2 0.002 1119.9 - 1122.2 8 2.3 NIL 1122.2 - 1125.5 9 3.3 NIL 70 1125.5 - 1128.6 3.1 0.002 1128.6 - 1131.9 1 3.3 NIL 2 1131.9 - 1135.2 3.3 NIL 3 1135.2 -1138.5 3.3 0.005) 1138.5 -1140.5 4 2.0 0.02) 0.012/6.4' 1140.5 - 1141.6 3675 1.1 0.02 ) Total intersection equals 31.5 feet. DDH H-84-3 Main Zone Sample No. Interval - feet Intersected Assay - Au Average From To Width-feet Ozs./ton 3690 1.7 0.05 ) 439.6 -441.3 441.3 -442.9 1.6 0.04 ) 0.128/7.3' 1 0.23 ) or 0.17 ) 0.196/4.0' 442.9 -444.6 1.7 2 3693 444.6 - 446.9 2.3

Total intersection equals 7.3 feet.

DDH H-84-4 Sample No.	Main Zone Interval From	- feet To	Intersected Width-feet	Assay – Au Average Ozs./ton
3699	419.7 -	420.6	0.9	0.14 )))
3700	420.6 -	422.7	2.1	0.425 )))0.340/3.0'
3501	422.7 -	426.7	4.0	0.01 )) 0.151/7.0'
2	426.7 -	428.3	1.6	0.03 )
3	428.3 -	430.0	1.7	0.03 )
4	430.0 -	431.6	1.6	0.01 )
5	431.6 -	433.1	1.5	0.02 )
6	433.1 -	434.6	1.5	0.03 )
3507	434.6 -	436.2	1.6	0.02 ) 0.078/16.5'
Total	intersect	ion equals	16.5 feet.	
DDH H-84-5	Main Zone			
Sample No.	Interval	- feet	Intersected	Assay – Au Average
	From	То	Width-feet	Ozs./ton
3532	424.9 ~	426.5	1.6	0.01
3	426.5 -	427.4	0.9	0.01
4	427.4 -	428.4	1.0	0.005)
5	428.4 -	429.1	0.7	0.145) 0.030/3.9'
6	429.1 -	431.3	2.2	0.005)
7	431.3 -	432.0	0.7	0.02
8	432.0 -	433.6	1.6	0.002
9	433.6 -	434.5	0.9	0.04
40	434.5 -	436.6	2.1	0.03
1	436.6 -	438.5	1.9	0.02
2	438.5 -	439.7	1.2	0.03
3	439.7 -	440.4	0.7	0.02
4	440.4 -	442.0	1.6	0.005
3545	442.0 -	442.9	0.9	0.005
3522	442.9 -	444.6	1.7	0.002
3	444.6 -	445.9	1.3	0.03 ) )0.119/3.8'
4	445.9 -	447.2	1.3	0.08 )) )
5	447.2 -	448.3	1.1	0.28 ))))0.100/6.1'
6	448.3 -	449.7	1.4	0.03 )))
7	449.7 -	450.7	1.0	0.05 )))
8	450.7 -	451.8	1.1	0.05 )))
9	451.8 -	452.8	1.0	0.08 )))
. 30	452.8 -	453.3	0.5	0.155))) 0.097/7.4'
3531	453.3 -	454.3	1.0	0.02) 0.080/9.7'

Total intersection equals - 22.3 feet.

- 18 -

DDH H-84-9 Sample No.	Main Zo Inter From	one val	- feet To	Intersected Width-feet	Assay - Au Ozs./ton	Average
3597	405.7	_	409.0	3.3	0.002	
6	409.0	-	413.7	4.7	0.02	
5	413.7	-	418.5	4.8	0.005	
4	418.5	-	423.2	4.7	0.01	
3	423.2	-	427.9	4.7	0.06 )	
3592	427.9	-	432.2	4.3	0.09	
3582	432.2	-	434.2	2.0	0.06	0.072/11.0'
4	435.8	-	437.5	1.7	NIL	•
5	437.5	-	439.3	1.8	NIL	
3586	439.3	-	440.2	0.9	0.002	

Total intersection equals - 8.0 feet.

## MINERAL RESERVES

Following the completion of the first phase of the diamond drilling programme in the vicinity of the old Harker Shaft and with a recalculation of the average widths and grade from the underground back and face sampling, the writer produced an undiluted mineral estimate of the gold bearing reserves to the 560 foot level.

The reserves are listed within the following three categories: (A) PROVEN - calculated from reliable drift information.

(B) PROBABLE - drill or drift(no data) information.

(D) PRODABLE - UTITI OF UTITI(HO UATA) THTOFHALTS

(C) POSSIBLE - unreliable information.

## TABLE 4

GEOLOGICAL MINERAL RESERVE ESTIMATE - GOLDEN HARKER Category Tons Grade Average Width Tons x Assay Tons x Width short oz.Au\* feet \_\_\_\_\_ 6.50' Α 103,400 0.186 19266.03 672190.48 6.49' 9775.74 B 64,970 0.150 421561.00 18,150 0.082 4.50' 1488.3 81675.00 С TOTAL 186,520 0.164 6.30' 30530.07 1175426.48

\* per short ton





- 20 -



- 21-



-22-





-24-



-25-





- 27-
















-35-

NH



There are 18 reserve blocks outlined on the longitudinal section located in Appendix "B" and the boundaries of each have been positioned by using the halfway measurement between drill holes or underground levels. The influence of the data is therefore kept as consistent as possible. If dilution had been included in the total it would have been calculated at 15% of the undiluted total with nil grade.

It is to be noted on the longitudinal section, that the underground workings extend, in some cases, well beyond the reserve area. The sampling data was examined but the average grade was considered much too low for inclusion in the main block calculations. To have included all of the underground working areas as potentially mineable material would have reduced the overall grade to considerably less than the calculated 0.164 ounces of gold per short ton.

### GEOPHYSICAL RESULTS

A number of geophysical surveys were completed over the three properties before the involvement by the Discovery-Lenora Joint Venture.

Phelps Dodge cut and chained a 400' grid which covered the entire Golden Harker property and subsequently completed a VLF survey in an attempt to geophysically trace the gold bearing interflow sedimentary horizon. There was limited correlation of the conductive responses with respect to the southeastern trace of the gold bearing zone, and none in the shaft area. No magnetic surveys were performed over the grid.

Magnetic and VLF surveys were completed on a 400' grid that covered the entire Harley claim group. The contoured magnetic responses accurately traced the contact between the iron and magnesium rich basaltic flows. This data was used to control the position of four diamond drill holes that sectioned the contact. Generally, the VLF survey was of little value other than to indicate areas of deep and wet overburden.

Inco flew an airborne electromagnetic and magnetic survey over a large tract in the southwest quarter of Holloway township, and recorded a number of EM responses in the southwest corner of the optioned claim group (Figure 3). These moderately strong responses were recorded on eleven consecutive lines and exhibit a saw-tooth configuration, which suggests a point picking problem. There were five separate strike related weak conductors located immediately south of the main horizon. The Joint Venture concentrated its exploration programme in the area of high conductivity. Early in the spring of 1984, the Ontario Geological Survey released a series of airborne survey magnetic and electromagnetic maps which covered 40 townships in the Matheson-Abitibi Lake area. These maps also located the above mentioned Inco conductors and confirmed the lack of any conductive responses on other sections of the three properties. The magnetics were particularly useful for a regional and detailed analysis of the underlying lithology. Results from the ground magnetic surveys correlated to the airborne data with respect to anomaly intensity and location.

The Joint Venture completed magnetic surveys on the Harker East, North, South, and Patented groups, and a portion of the Inco property in the vicinity of the airborne responses. A horizontal loop Apex Max-Min electromagnetic dual frequency (444 & 1,777 Hz) survey was also performed to confirm the ground position of the Inco and ODM airborne electromagnetic plots.

All ground results were plotted on 200 and 400 scale plans which are found in Appendices "C, D, F, and G". The electromagnetic profiles were used to spot the Inco drill holes, while the contoured magnetics enabled reasonably accurate positioning of drill holes to section the contact between the iron and magnesiumrich tholeiitic basalts.

The cheapest and most diagnostic geophysical instrument for used in the general area is the magnetometer. Most of the interflow rocks on the property and including parallel horizons to the north are nonconductive and not amenable to electromagnetic geophysics.

#### TRENCHING RESULTS

Using heavy mechanical equipment, two large trenches were excavated on the inco property in the vicinity of a ground conductor axis on grid lines 12+00 E and 10+00 E at 2+00 N. In both cases, the overburden increased in depth as the conductive horizon was approached from the north, and only the trench on 10+00 E exposed a highly sheared and carbonatized graphic argillite at a depth in excess of 10 feet. The 12+00 E trench was dug to a depth of more than 12 feet without encountering any mineralized rock.

Samples from the 10+00 E trench were assayed for gold content with negative results. This was not considered to be completely uninteresting, since it was thought unlikely that the entire conductive horizon had been exposed.

Four separate areas of outcrop were stripped using a dozer and a backhoe on the Harker North and East groups. It was considered possible that the Number 2 Harker Zone might strike northeasterly towards the stripped areas, but unfortunately nothing of significance was uncovered.

## CONCLUSIONS AND RECOMMENDATIONS

The joint Venture were unable to improve on the original estimated geological mineral reserve totals in the old Harker Shaft area without reducing the overall grade to increase the tonnage. In short, there is a small deposit of gold bearing rock to be found on the Golden Harker property, but, in the opinion of the writer, does not have the tonnage nor exhibit the potential to be of further interest to the 1984 Joint Venture.

Nothing of economic significance was discovered on either the inco or Harley properties, and therefore it is recommended that the joint Venture not consider further exploration.

There is no doubt that the interesting interflow sedimentary unit was located on the three properties, but unfortunately there were no associated gold values beyond the Harker Shaft area.

Respectfully Submitted,

TROOP EXPLORATION & DEVELOPMENT JNC. PROFESSIONAL REGISTER ^ **^ ^** ng. President. BOLINCE OF OHT

AJT/jmt

#### - iv -

#### REFERENCES

- (1) Baker, Nelson W. A Summary Report on the Golden Harker Property of Golden Harker Explorations Limited, April 30, 1984.
- Ferguson, S.A., Groen, H.A., Haynes, R.
   Gold Deposits of Ontario, Part 1, Mineral Resources Circular No. 13, 1971, pp. 72, Ontario Division of Mines.
- (3) Gledhill, T.L.
   Lightning River Gold Area, O.D.M. Vol. XXXIV, Pt. 6, 1925, pps. 86-98.
- (4) Hinse, G.J.
   Report on the Holloway Township Gold Property, April 6, 1984.
- (5) O.G.S. Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, Harker, Holloway and Elliot Townships, District of Cochrane, March to July, 1983.
- (6) Satterly, J.
   Geology of Harker Township, O.D.M. Vol. LX, Pt. 7, 1951, pps. 30 -33. Map 1951-4
- (7) Satterly, J.
   Geology of the North Half of Holloway Township, O.D.M.
   Vol. LXII, Pt. 7, 1953. Map 1953-4

#### CERTIFICATE

I, the undersigned, Andrew John Troop of the City of Scarborough in the County of York, Province of Ontario, hereby certify:

- 1. That I am a Consulting Mining and Exploration Geologist and reside at 67 Toynbee Trail, Scarborough, Ontario, Canada, M1E 1G1.
- 2. That I graduated from the University of Manitoba in 1949 with Bachelor of Science (Hons.) and Master of Science (Geology) degrees.
- 3. That I have been engaged in the geological profession continuously since graduation.
- 4. That I am a Member in good standing of the Association of Professional Engineers of the Province of Ontario and the Province of Manitoba.
- 5. That I do not not have nor do I expect to receive directly or indirectly an interest in the property or securities of Discovery Mines Limited nor Lenora Explorations Limited.
- 6. That the accompanying summary report on the Golden Harker, Inco Harley Properties in the Harker, Holloway and Elliot Townships Area, Larder Lake Mining Division, Ontario, for the Discovery-Lenora Joint Venture is based on the supervision of the diamond drilling and geophysical programmes during the period May 24th through November 30th, 1984.
- 7. That I consent to the use of this report in whole or in part, provided proper reference is made, by the above mentioned Companies in a prospectus or statement of material facts related to the raising of funds for the continuation of this exploration or development project.

Dated at Toronto, Ontario, Canada, this 6th day of May, 1985.

NCEOFON

t stop PROFESSIONAL ASI W A. J Andrew J.

DI	AMOND DRILL	RECORD							A	PPENDIX	"I"	
										QUEET NO	1	
NAME OF	PROPERTY: GOLDEN HA	RKER EXPLORATION	IS LTD. OPTION :	FOOTAGE	DIP	AZIMUTH	HOLE	NUMBER:	K-84-1	DRECI NU.	1 67 3	
HOLE NUM	BER: H-84-1	LENGTH: 650	)' {	Collar	-60 *	334 '	REMAR	KS: Hole	location i	in error due	to mag	-
LOCATION	: Harker Twp.,Claim	L-7306, Larder	Lake Div., Dnt.!	281' Tropa	ri -59'	324 *?	l neti	c attraci	ion on bai	seline near	old sha	ft
LATITUDE:	: 4 + 15 5 No. Not Percended	DEPARTURE:	1 + 00 E I	532' <b>"</b>	-58'	323'?	l This	reduced	value of t	the intersec	tion.	
STARTED.	NS NOL RELOFAED	FINICHED: No	0 70 1001 !	i nanging wa 1 notir - Sa	uli focks a o Gueropti	re mag- kilitu	1 1 0000 (	2175. DA	- 1 7/168			
DRILLED	BY:St. Lambert Dril	lino CoLtdVa	llevfield.P.Q.	Profile.	e Juscepti		LOGGE	D BY: And	- 1 //10 Irew J. Tre	100		
*******	***************	**************	*************	*******	******	*******	******		*******	,  \$\$\$\$\$\$\$\$\$\$\$\$	******	111
FOOTA	GE I	LITHOLOG	3Y			SAMP	LE		1	ASSAYS		
	1			I	NUMBER	FROM	TO	TOTAL	IAu-OZ Ag	1-07 Cu-X	In-X Pl	b-%
*******		************	*************		*******	******	******	*******		**********	******	***
17 1-	13.1:UVERBURDEN -	Sand, gravel, bo	ulders						1			
13.1-	isilicour - s	Tine grained, d	lark green, silg with carbonat	BLIY BLL., i o - minor !					i 1			
	lotz-carb frac	ture nattern fil	linns with CA 3						1			
	SEE - MAGNETI	C SUSCEPTIBILITY	METER PROFILE	-which					1			
	lindicates the	presence of mag	netite through	out the								
	lhanging wall	rocks.	-	ł					1			
18.2-	18.71BASALT - High	ly altered with	epidote - 2 qtz	veins	3601	18.2	18.7	0.5	I Nil			
	isplit by frag	ments - 1st 3.1c	ms.TN & 2nd 1.7	res.TN CA					l.			
10 7	iof contacts b	0°. 1 to Dection (	7 4 40 0						1			
10./- 27 5-	27.3(5H5HL) - 5141 28 218656) T - Fine	lar to Section i orained oreen	13.1 - 10.2 t highly tracts	ired Pro-1	7402	<b>77</b> 5	<b>79</b> 7	07	i 1 ANTI			
2/10	ibably a fault	zone. Aca TW ou	artz veinlet wi	th no vis.	VVV2	2/10	20,2	V./				
	sulphides.											
28.2-	45.01BASALT - Fine	grained, dark g	reen, highly fr	actured.					1			
	(Great deal of	ground water mo	ovement. Fractur	re planes					1			
	lwith limonite	staining & also	introduction c	of carb. &					I			
	llow temperatu	re pyrite. Entir	re section could	d represent								
	la braided fau	lt zone.	17 1 10 0 N						5			
43.0-	62.31BASALI - SIMI	lar to Section 1	13.1 - 18.2. MOP	re qlz~cardi								
47 3-	IVEINIETS UP T	0 JAAS IN WICLA. orginad dark (	, uh vary trom « proon Snapwhat	ij. (B jj.) Izsturad	i I				1			
0230	land altered w	ith blebs and ir	regular stringe	ers of carb					ł			
	lpvrite. Scat	tered variolites	5,						1			
69.8-	76.21BASALT - Fine	to med. grained	d, green, pseudo	o diabasic	}				1			
	itexture, mass	sive. Well develo	oped fracture p	attern with	l				I			
	lpredominant C	A 70°, minor qtz	z-carb filling {	k limonite					1			
	istaining.				7/47	7/ 0	75 /		1			
/6.2-	/8.6/BASALI - Very	tine grained, g	greylsn-green, H t silisifisd T	Ritereo,	1 3503	16.2	/8.5	2.4	i N11 I			
	isilynciy sned	neus tractureu s pe pf purito-ras	K SIIILITIKU, II rh-liennito with	rregular h un to 39	1 1				l I			
	lovrite.	ies of pyrice ca	is thenice are						1			
78.6-	78.7 CARBONATE VEI	N - Pinkish-whit	te, med to coars	se grained.	ľ				l			
	Some could have	we been ground.	•	-	ł				ł			
78.7-	BO.7:BASALT - Simi	lar to 76.2 - 78	8.6 except brok	en up with	3604	78.7	80.7	2.0	I NIL			
	the developme	ent of some epide	ote - 2% sulphi	des - Rocks	1							
	lup to this de	epth in hole have	e not been CARB	DNATIZED.					1			
80./-	B4.71BASALI - SIMI	lar to /6.2 - /0	8.6 WITH UP to	24 SUIPNICE	i 36VJ I 76AL	80.7 04 D	84.7 05 1	4.Z	i NIL I NTI			
84.7-	- DJ.OIWUHAIL VEIA -	. White with yre; with ovrito in c	yssi carvuidle ; whor t irrorula:	PALLIES -	1 3000	04.7	63.0	V. J	1 MTF			
	srattorad en	num pyrice in u Scular hematite -	- 2% sulnhidee	- contart	!		×.					
	(CA's 65' - 7	) <sup>t</sup> .	TH ARTHIADS	********								
B5.6-	88.11BASALT - Very	fine grained, (	dense grey - Hi	ghly frac-	3607	85.6	88.1	2.5	I NIL			
	ltured, altere	ed & silicified	- Numerous frac	tures fil-	:				:			
	lled with minu	ite qtz-carb stri	ingers - Pyrite	occurs as	1				1			

					•		
HOLE NUMBER: H-84-1						SHEET NO. 2	of 3
***************************************	********				**********	**********	*******
FOOTAGE ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !		COM		******		ACCAVC	******
!	NIMDEO	COUR	" <b></b> TA	TOTAL	1 1.0	NJUNIJ NJ P	
1 	10110EN	89713 ********	10	101ML	IHU-UL HG-	32 60-6 2R	-6 20-6
	********	********	*******	********		***********	******
istreaks, pieds and cudes.							
88.1- 119.4:BASALI - Fine grained, greyish-green - Could be a pil-					ł		
llowed flow, some selvedge & brecciation - Slightly					1		
Isheared - Some linearity with CA 40'- Scattered pyrite!					l		
Fracture pattern & qtz-carb veinlets predominant CA 40					1		
Irregular heavy epidote alteration - Amygdules filled					ł		
ipyrite cores and carb. rims.					•		
119.4- 150.8:BASALT - Fine to med. grained, green, massive - Almost!					ł		
ldiabasic in texture - Minor qtz-carb veining on frac- l					1		
lture pattern.					1		
150.8- 167.1:BASALT - Similar to 88.1-119.4 - Several very narrow !					ţ		
ltuff units - 0 161.5 & 162.4 two 1 cm gtz-carb veins					1		
lwith 15% pyrite.					ł		
167.1- 212.61BASALT - Similar to 119.4-150.8.					l		
212.6- 219.1:BASALT - Fine grained, green, dense & altered - Some-					I		
what contorted & fractured - Numerous otz-carb blebs.					i		
stringers & veinlets with pyrite mineralization.					i		
219.1- 221.5/BASALT - Fine grained, grey, highly altered, fractured							
theached - FAULT ZONE alanst narallel to rore, full t					1		
inf right rationate and noine.					* !		
221.5- 304 AlRASALT - Fine grained, groutsh-organ, massive-bergains					1		
increase down the bala - Otresst in irranular escor b					1		
lication dillinne dominant PA 501 701 than 3014 Bratel	I				1		
thread ourite in blobs, streaks t subar - Slow ten sol-			•		1		
Indian 0 025 7 020 0 t 000 0 t 0005 " FIOH LUP Sel"1	I				i J		
IVENUE V 2/3.3,2/0.7 V 202.0. 1907 E - 900 D - Duadta-Cardonate Hein - Duaita Min - H	7/17	007 E	000 0		i I A AAD		
1277.J - 270.7 - BUHRIL-UHRDUNNIE VEIN - FYFILE DIN. 1 707 4 447 Albacalt. Fine and anguing anguing and the light in 1	2012	297.3	278.8	1.0	i V.VVZ		
SV6.4- 447.VidHSHLI - Fine grained, greyisn-green - Stillitied in A	i				i		
ipart - Scattered dtz-carb veining in fracture pattern i					l.		
iwith up to 5% pyrite - Frequent medium grained sec-					1		
ition and pale whitish-green selvedge - bradually get- i	1				l		
iting coarser grained down the hole.					1		
306.4-307.3 - Stringers epidotized qtz-carb	3608	306.4	307.3	0.9	0.002		
1317.2-318.8 -	9	317.2	318.8	1.6	0.003		
340.3-341.2 ~ * * *	10	340.3	341.2	0.9	0.002		
349.8-351.5 -	1	349.8	351.5	1.7	I NIL		
1365.4-365.8 -	3612	365.4	365.8	0.4	I NIL		
447.0- 507.9/BASALT - Fine to med grained, green - Contact is not					ł		
<pre>well defined - Similar to previous section except for I</pre>					ł		
grain size and lack of pyrite mineralization.					ł		
507.9- 515.5:BASALT - Very fine grained, greyish-green - Silicified	3614	514.4	515.5	1.1	I NIL		
Inumerous qtz-carb stringers & blebs - Visible pyrite					ł		
515.5- 516.6/BRECCIA - QUARTZ-CARBONATE - Fine grained & grey - Up	3615	515.5	516.6	1.1	I NIL		
ito 31 pyrite,					1		
516.6- 523.3/BASALT - Similar to 507.9-515.5	3616	516.6	517.7	1.1	I NIL		
523.3- 592.41BASALT - Similar to 447.0-507.9 except more fracturing	<b>,</b>				;		
l& numerous flow top selvedges.	}				ł		
592.4- 611.1:BASALT - Very fine grained, green- Altered & slightly	1				l		
Isiliceous - Some linearity CA 40' - Scattered pyrite					1		
Inineralization & numerous stz-carb stringers & blebs							
lin fractures CA's 50 .	}						
611.1- 612.5:SYENITE - PORPHYRITIC - Fine grained matrix. grevish-	3617	611.1	612.5	1.4	0.002		
loreen, homogeneous - Phenocrysts are somewhat ghosted,				* -	1		

HOLE NUMBER: H-84-1						SH	IEET NO.	3 of	3
***************************************	*********	*******	*****	*******	******	*****	******	****	*****
FODTAGE } LITHOLOGY	1	San	PLE		1	ļ į	ASSAYS		
	I NUMBER	FROM	TO	TOTAL	lAu-DZ	Ag-OZ	Cu-X	Zn-X	Pb-X
		*******	******	*******	******	******	******	****	****
lpinkish feldspar up to 2 mms. Highly carb.&chill cont.	1			<b>.</b> .					
612.5- 622.5!INTERFLOW SEDIMENT - Fine grained, grey-Highly altered	3618	612.5	615.1	2.6	0.005				
<pre>{&amp; carbonatized, fractured and brecciated - Scattered</pre>	1 19	615.1	618.0	2.9	0.005				
lpyrite & numerous qtz-carb veinlets,stringers & irregu	3620	618.0	620.0	2.0	0.002				
llar masses.	1 1	620.0	622.5	2.5	0.005				
622.5- 628.B:INTERFLOW SEDIMENT - Similar to previous section ex-	2	622.5	625.7	3.2	0.035	}	0.035/	3.2'	
lcept for more shearing & quartz-carbonate flooding -	3623	625.7	628.8	3.1	0.002				
<pre>:Few narrow sygnitic intrusions &amp; some visible chalco-</pre>	1				l I				
lpyrite - Vug Ə 624.3.	1				1				
628.8- 634.9:SYENITE - PORPHYRITIC - Similar to section 611.1-612.5	3624	628.8	631.9	3.1	I NIL				
ICA's upper contact 60' with gouge & lower 60'.	25	631.9	634.9	3.0	I NIL				
634.9- 637.6:BASALT - Fine grained, green - Probably pillowed -	3626	634.9	637.6	2.7	: 0.002				
Numerous sections of bleached, epidotized selvedge -	1				1				
Scattered pyrite as cubes & massive blebs up to 1 cm	1				ł				
lin diameter.	1				ł				
637.6- 649.6/BASALT - Similar to previous section but no sulphides.	1				ł				
1	1				1				
	1				1				
1	1				1				
END OF HOLE	1				I				
	1				1				
35 Core Boxes 26 Samples					İ				

...

				SHEET NO 1 of 3
NAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION : FOOTAGE	DIP	A7 THUTH	HALE NUMBER.	H-81-7
HOLE NUMBER: H-84-2 LENGTH: 1.161.4' ! Collar	-71	3201 !	RENARKS. Conce	ntrations of manostite down the
LOCATION:Harker Two., Claim 1-13138. Larder Lake Div., Ont. 1 246'	-691	3163	holo	therefore case of traperious
ATITUDE: 5 + 90 S DEPARTURE: 4 + 00 H ! 497'	-691	34817 !	auth	determinations are non-valid
FLEVATION: Not Determined A71MUTH: 320' ! 738'	-691	34812 !	8071	Decembring thus ble non-48110.
CTARTER: Not beter wines Reinding, 020 1 100 1 0357	-00	2123 1	CADE 6175. DA	- 1 7/1/1
DINIER Dy Cy 1704 Finisher Co (id Uslavishd D. D. 11/1)	-273	7153 1	LOCCED DV. H.	= 1 //10 <sup>-</sup>
UNILLED DI.DL. LARDER DEITING CD.,LLU.,VAILEVILLU,F.8., 1101	10/ *********	1 610	LUDDEU DI; Wa	iter n. inompson
	*********	9479999999999 Idwag	***************	++++++++++++++++++++++++++++++++++++++
	NINREO	FROM	τα τατλί	1 HD3H13 14u-07 An-07 Fu-V 7n-V Ph-V
۲ ۹۳************************************	NUNDER 1111111111	FRUN *********	10 IUINL	1HU-UL HG-UL LU-A 18-A F0-A
AAAA A 10 7 DUEDDUEDEN - Cond. clay & cont bouldare	********	*******	*****	**************************************
10 7- 54 (IANDECITE - Madius arbitrational arbons - Top 57 broken to 1				1
17.7" at. Ismucolic - section greater, great - top a proket & i				•
istaineo with innonite - rew i th gtz-tarb verniets at i				i 1
173 J. C. T. RULK 15 RAUGHELLC.				i *
134.4 - I CM QLZ-CARD VEINIEL				i •
iJU.0 + 1 CM QTZ-CARD VEINIET i				i 1
34.1- 66.VIBHSHLI - Fine grained, green - Fractured with epidote i				i •
ion planes				i .
ibi.o - Small quartz vein mineralized with epidote & Pyi				i .
66.0- 67.3; BRELUIA ZUNE - brey, altered, siliceous with concentra;				1
ition of quartz & pyrite at bottom contact - strongly i				i
imagnetic. i				1
67.5- 75.818ASALI - Fine grained, green - Development of epidote (				i
ion fracture planes - Strongly magnetic.				1
73.8- 90.91885AL1 - Similar to previous section but non-magnetic i				1
90.9-13/.1:BASALT - Fine grained, green & altered - Slightly				
isheared - Minor breccia zones - Viz-Card Veiniets V ;				1
(107.4, 123.0 & 133.9.				
137.1- 150.1:BASALT - Fine grained, green - Minor sulphide content 1				
Strongly magnetic - 0 141.5 I cm qt2-carb veinlet.	* . * *			
150.1- 188.5;BASALI - Medium grained, greyish-green - More pyrite &	3627	164.0 1	65.9 1.9	
lepidote than previous section ~ increased pyrite con- i	8	162'A 1		1 0.002
itent - Precominant fracture # 60° LA.	9 70	10/./ 1	70.3 2.6	1 0.002
188.3- 246.1;BASALI - FINE grained, blackish-green with a porphyri-i		170.3	1/1.6 1.3	
itic phase from 190.3-197.8 - Numerous qtz-carb vein- i	1	1/1,0 1	1/4.8 3.2	
ilets with the star over synthe mineralization in i	7	1/4.0 1		i 0.001
iBOST VEIRIETS - NOCK WEAKLY RAURELLC, i	J 1	10/ 0 1		
240.1- 274.//BHSHLI - Fine to med. grained, green - Rumerous qtz- i	- 1 	180.2		
icaro « epidoce veniets as fracture fillings - severali	. J .7/7/	102.0	100 5 2 0	
iopen vugs with V.J Mm qtz stringers nearby.	2020	182.1	199.2 7.8	i NIL
2/4./- 200.4/DHSHLI - Fine grained, dark green, dense - Similar to i	1			i x
iprevious section except not as well tractured in 204 4-305 71066017 - Madius appined arous - Desscional fracture -				1
200.4 - 303.710HOHLI - Neulum grained, green - Ullasional trallure i				1 1
1700 DZ with PA 40%- Castion execution				1
1900.7 WILL CH 40 - Declion Haghelic 305 7- 310 JIDACALT - Finn project black-proper - Winne finn	1			3 · · · · · · · · · · · · · · · · · · ·
SVJ./~ SID.419HSHLI - FINE yrdineu, bidlk-yreen - ninor fine	1			1
iyi diney pyrice - Scrunyly maynetic 710 J. 777 AlDACALT - Cimilar an arryious partian averat with earn				1
onidate alteration				1
IPPIDUCE BILLIBLIDH 777 A. 770 AIDACALT - Einn arningt annan Zasadhund B. Sidawad	) ]			1
	l I			3 8
inumer ous district mediance sittingers a termisers - unior:	1			•
ipyrice mineralidatuun 370 4. 316 O'DACALT _ Sinn arginad black-argan daara - Minar	7 			1
JUDIT JUTITIDANLI TINE YEDNEDY DIALKTYPEEN, UENDE TANUF Marsturian - Ctranaly aparatic	i I			1
stratiuring - Jirunyiy Maynetit 344 D. 304 Albahar Mad arsinal around disbasis tautura 1	1			•
- 307.7- 300.VIDHOHLI - MEU. YEAMEU, YEEMI, PSEUDO BEADASIL LEXLUE,	I			ł

\_\_\_\_\_

HOLE NUNBER: H-84-2		*******	********			SHE	ET NO.	2 of	3
	•••••	CV1	44444444 NDI C		•••••	4444444 AD	4444444 Cave	****	
	NIMDEO	CDUN	11 LE 10	TOTAL	1	H3 An-07	0K10 Cu_y 7		D
***************************************	********	*********	19 19444444	1017L ********	180-01 *******	NY-01 1111111	64-8 f	.11=4 *****	FU-4
internet in a liner purite	* <b>*******</b> ** }	********	*******	********	******** 1	*******	******	*****	****
TRADULT - Time printe - Ninor fracturion					1				
300,0° 374,010HJHLI - FINE yrained, yreen - ninor fracturing 304 R- 304 A!EDACTNOE - Consisting of purite carbonate & oni-	1				1				
idate	<b>)</b> 				1				
TODLE	1				1				
A12 A. A31 710ACALT - Fine consider arous - Michly Jestward brazel	7177		11E 7	<b>7</b> 7	1 1171				
fil.v fol./Ibronci - rine grained, green - nighty flactored, prec"	0007	415 7	413.3	3.3 7 7	i NJL. 1 MTI				
ATI 7- 457 TIDACALT - Finn anning black dange - Fou stringers t	0	413.3	11/10	2.3	i NHL				
total - totalonanci - fine granned, usack, dense - few scringers a i		41/10 41/10	42V.J	2.7	i MIL. J NYI				
IDIEDS OF GLE-LAFO-EPIQUE - HINOF PYFILE	1 TV	420.3	722.7	<i>1.1</i> 7 ^	i NIL				
-J/.J		422.7	423./	3.0	i NIL				
177.0 407 DIDADALT June Gas project dark second Nuccess	1 <u>1</u>	423./	92/19	1.7	i NIL				
4/3.7- 476.7/BHSHLI - Very time grained, dark green - Numerous	3	42/14	427.8	2.4	I NIL				
lawygoules tilleo with qtz-caro-pyrite - rew tractures i	1 3099 . 7/45	427.0	401.7	1.7	i NIL				
itiled WITH Rematite,	3043	462.6	463.2	2.8	i NHL				
476.9- Joy.6:BASALI - Fine grained, green & dense - Wiz-Caro-epid.	i				1				
ifilied amygoules scattered throughout the section -					1				
isome pyrite mineralization	i				1				
Joy.o~ ovs.yinnucsiiil-bashli - neolum graineo, speckleo green &	i I				i				
imassive - uccasional qtz-carb veiniet.					1				
603.9- 658.5;BASALI - BREECIAIED - Fine grained, green with white	i				1				
lqtz-carb flooding from 603.9 to 605.7 - Remainder of									
iflow appears to be a pillowed lava with qtz-carb-epid	i								
lselvedge - Scattered pyrite.					1				
658.5- 667.6/BASALT - Medium grained, green with more epidote than									
previous section - Occasional qtz-carb veinlet & py.					1				
imineralization.									
667.6- 714.3 ANDESITIC-BASALT - Similar to section 569.6-603.9	1				1				
714.3- 730.0:BASALT - Fine grained dark green & fractured -Numerous					1				
lqtz-carb fracture fillings & large vugs partially fil-	l				ł				
iled with carbonate & epidote @ 725.7' - Minor pyrite.					1				
Entire unit is carbonate flooded.					1				
730.0- 743.1:BASALT - Fine to med grained, green, massive - Few	3652	740.1	743.1	3.0	INIL				
fractures filled with qtz-carb veinlets & stringers -	;		•		1				
12 cm. qtz-carb vein 0 738.2'.					1				
743.1- 745.4:BASALT - Quartz-carbonate flooded zone - Minor pyrite	3653	743.1	745.4	2.3	I NIL				
745.4- 750.3!BASALT - Similar to above but more sulphides - vis.	4	745.4	748.0	2.6	INIL				
lchalcopyrite	3655	748.0	750.3	2.3	I NIL				
750.3- 759.5:BASALT - Fine grained, green - Occasional fracture	i				1				
Ifilled with qtz-carb - Scattered pyrite.					1				
759.5- 770.5:BASALT - Very fine grained, green, highly altered -	3646	757.9	759.5	1.6	I NIL				
A Mineralized Section - Increasing amygdule content	1 7	759.5	762.0	2.5	0.001				
¦filled with qtz-carb-epidote & pyrite - Occasional	8	762.0	763.6	1.6	I NIL				
fracture filling with near massive pyrite	19	763.6	765.4	1.8	I NIL				
770.5- 807.1:BASALT - PILLOWED - Fine to med grained, grey-green -	1 50	765.4	767.7	2.3	I NIL				
Numerous amygdules filled with epidote & pyrite - Pil-	1 3651	767.7	770.5	2.8	I NIL				
llow selvedge marked by qtz-carb-epidote with minor	1				1				
lpyrite.	1				l –				
807.1- BB5.61BASALT - Fine grained, green, massive - Interflow sel-	1				ł				
lvedge consists of epidote, pyrite & quartz.Gradational	;				1				
contact with next section.	1				ł				
885.6-1013.3¦BASALT - Medium grained, speckled green, massive -	3656	1011.9	1013.3	1.4	I NIL				
lwith similar features as above - Pyrite disseminated	1				ł				

	IAMOND	DRILL	RECORD	
-				

HOLE NUMBER: H-84-2						SH	IEET NO.	3 of	3
***************************************	*******		******	*******	******		******		
FOOTAGE   LITHOLOGY		SAM	PLE		1	A	ISSAYS		
1	NUMBER	FROM	TO	TOTAL	l Au-OZ	Ag-OZ	Cu-%	In-X	Pb-Z
	********	*******	*******	*******	******	******	******		1111
lthroughout.	l .				ł				
1013.3-1018.1:INTERFLOW SEDIMENT - Medium grained, grey & highly	3657	1013.3	1016.3	3.0	1 0.02				
carbonatized - Well fractured with development of qtz-	8	1016.3	1016.8	0.5	! 0.005				
∶carb veinlets & stringers ∂ 45' & 90'- Approx 5% py.	3659	1016.8	1018.1	1.3	1 0.002				
11016.3-1016.8 - Breccia Zone	l				1				
1018.1-1085.6:BASALT - Fine to med grained, green & massive - Sel-					1				
vedge marked by qtz-carb-epidote-pyrite assemblage.	ļ.				1				
1035.3 - 2 cm qtz-carb veinlet.	ł				1				
1085.6-1093.2:BASALT - Fine grained, grey-green, fractured & brec-	3660	1085.6	1088.8	3.2	1 0.002				
ciated - Increased qtz-carb veining with much epidote	1	1088.8	1090.6	1.8	1 0.002				
l& pyrite.	3662	1090.6	1093.2	2.6	0.002				
1093.2-1097.2:SYENITE - PORPHYRITIC - Fine grained matrix, greyish-	3663	1093.2	1096.2	3.0	1 NIL				
lgreen, homogeneous - Highly carbonatized - Small	4	1096.2	1097.2	1.0	I NIL				
lphenocrysts are pink feldspar with knots hornblende.	}				1				
1097.2-1110.1:BASALT - Fine grained, green & highly altered with	ł				ł				
lepidote - Numerous qtz-carb veinlets & stringers.	1				ł				
1110.1-1138.5;SILICIFIED BASALT & INTERFLOW SEDIMENT - Very fine	3665	1110.1	1113.4	3.3	I NIL				
Igrained, grey-bluish-grey with lower section highly	6	1113.4	1116.7	3.3	I NIL				
Icarbonatized - Minor pyrite mineralization - Similar	17	1116.7	1119.9	3.3	1 0.002				
to MAIN ZONE in DDH H-84-1 except for increased silica	I B	1119.9	1122.2	2.3	I NIL				
content and lack of sharp contacts.	19	1122.2	1125.5	3.3	I NIL				
1	1 70	1125.5	1128.6	3.1	1 0.002				
	1 1	1128.6	1131.9	3.3	I NIL				
1	12	1131.9	1135.2	3.3	I NIL				
	3673	1135.2	1138.5	3.3	1 0.005	j 3			
1138.5-1140.5/SYENITE - Very fine grained, greenish-grey, highly	3674	1138.5	1140.5	2.0	0.02	}			
<pre>!carbonatized - Occasional very small pink feldspar</pre>	1								
lphenocryst - No sulphide mineralization.	!				1				
1140.5-1141.6/BASALT - Fine grained, green & brecciated - Qtz-carb	3675	1140.5	1141.6	1.1	1 0.02	}	0.012	/6.4'	
lin stringers & irregular masses.	<b>I</b> •				1				
1141.6-1161.4:BASALT - Fine grained, pale green - Probably pillowed	1								
with numerous sections of bleached epidote selvedge -	ł				1				
Typical FOOTWALL rock with a very low magnetic sig-	ł				1				
inature.	:				1				
	1				I				
1	ł				ł				
END OF HOLE	1				1				
61 Core Boxes 49 Samples	ł				1				

••

.

	SHEET NO. 1 of 1
HOLE NUMBER: H-84-3A LENGTH: 26.2'   Collar -60' 320'   RENARKS: Hole stopped LOCATION:Harker Twp.,Claim L-13138, Larder Lake Div.,Ont.     due to apparent steep LATITUDE: 3 + 75 S DEPARTURE: 6 + 00 W       zone & lack of upward ELEVATION: Not determined AZIMUTH: 320'	and moved ahead 75.0' mess of mineralized hole deflection.
STARTED: June 8, 1984.       FINISHED: June 8, 1984.       CORE SIZE: BQ = 1 7/16         DRILLED BY:St. Lambert Drilling Co.,Ltd.,Valleyfield,P.Q.:       LOGGED BY: Walter H. 1	," "hompson **********
FOOTAGE   LITHOLOGY   SAMPLE	ASSAYS
: NUMBER FROM TO TOTAL  Au-OZ	Ag-07 Cu-X Zn-X Pb-X
0000.0- 1.110VERBURDEN - Sand, gravel & boulders.	
16.2- 21.0;BASALT - Medium grained, green, pseudo-diabasic tex-    ture - Development of epidote near contact CA 45%.	
21.0- 26.2:BASALT - Fine grained, green, altered with epidotiza-    tion - Ninor cube pyrite - Otz-carb on fracture planes   Narrow quartz yein 0 24.8'.	
	•
END OF HOLE	

								SHEET NO. 1	l of 3
	NAME OF	PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION : FOOTAGE	DIP	AZINUTH	I HOLE	NUMBER:	H-84-3		
1	HOLE NUM	BER: H-84-3 LENGTH: 522' I Collar	-61 '	320 '	I REMAR	KS: Second	d attempt		
	LOCATION	Harker Twp.,Claim L-13138, Larder Lake Div.,Ont.: 261'	-59 '	305'?	!				
I	LATITUDE	: 3 + 00 S DEPARTURE: 6 + 00 N 1 517'	-581	327*	Ì				
į	FLEVATIO	N: Not determined A7IMUTH: 370' ! Rottom tes	t is valid	horauso	!				
;	CTADTER.	June 12 1004 CINICUED: June 10 1004 1 is non-	natis EV as	veceuse 	1 0000	ATT. 00 .			
	3186369; 8671168	dune 12, 1704 - Finished; dune 10, 1704 - in nun-way DV:CL Laskash Daillis Ca 114 Unlasticid D D i	UBLIC F# FC	3CK5.	i LOKE	DITE: DA :	= 1 //15"		
	DRILLED	BT:St. Lambert Urliing Co.,Ltd.,Valleyfleid,P.W.;			LUGEE	U BY: And	rew J. Iroc	ρ	
			********	******	*****	********	, , , , , , , , , , , , , , , , , , , ,	<b>                                    </b>	*******
	FUOTA	GE ¦ LITHOLOGY		SANP	LE		1	ASSAYS	
			NUNBER	FRON	TO	TOTAL	lAu-OZ Ag-	-07 Cu-% Zr	1-% Pb-%
	*******	***************************************	********	*******	111111	******		***********	*******
	0000.0-	8.2:DVERBURDEN - Sand, gravel & boulders. !					ł		
	B.2-	14.7:BASALT - Very fine grained, dark green, massive, with {							
		visible leucoxene.					1		
		SEE - MAGNETIC SUSCEPTIBILITY METER PROFILE - which					l l		
		indicates presence of expectite throughout the hanging!					1		
		indicates presence of magnetice chrodynout the hanging i					) 		
		INGLI FULKS: I I I I I I I I I I I I I I I I I I I			A4 E		i 		
	14./-	Zi.SibHSALI - Fine grained, pale green, dieacned, altered &:	2010	14.7	21.5	6.8	i NIL		
		ifractured - Development of epidote and minor carbonates					ł		
		Pyrite scattered as steaks, cubes and cores of car-					1		
		ibonate masses.					1		
	21.5-	59.4:BASALT - Very fine grained, dark green, massive - 1					1		
		Numerous fractures filled with qtz-carb, epidote &					1		
		<pre>ipyrite - Occasional pyrite veinlet, bleb or cube.</pre>					]		
	59.4-	71.9:BASALT - Fine to med. orained. orevish-oreen. massive !					l		
		loss fracturing & mineralization than previous section!					• •		
		Prohably contro of flow					, 1		
	71.0	DE DIDACAT Ci-ite de contine Di E ED 4 but long star i					F 4		
	/1.7-	YD.BIBADALI - SIMILAR TO SECTION 21.3-37.4 DUL JESS QLZ-					i •		
		icarb & pyrite.					i ,		
	95.8~	102.1;BASALT - Similar to section 59.4-71.9.					1		
	102.1-	102.2/INTERFLOW MATERIAL - Probably a tuff - CA 50'.							
•	102.2-	121.71BASALT - Very fine grained, dark green & dense - Pro- 1					1		
		<pre>/bably a pillowed lava - Much epidote selvedge, qtz- /</pre>					1		
		carb stringering & anyodules filled with carb.& pyrite!							
		Pyrite throughout as stringers, hlebs & cubes.					I		
	121.7-	174 A!RASALT - Fine to end, proined, provish-preen - Gisilar!					r !		
	32103	Jan contine 50 4-71 0					1		
	171 1	10 SELLIUN J7347/1373					1		
	134.0-	134. YIRUARIZ-LAKBUNALE VEINLEI - 34 PYFITE - LA SU', I					i		
	134.9-	163.4/BASALI - Very fine grained, dark green & dense - 51m1-					1		
		llar to section 102.2-121.7 except only few amygdules -1					}		
		<pre>#Few narrow tuff? sections.</pre>					1		
		<pre>1146.7 - DUARTZ VEIN - 1 cm scattered pyrite &amp; chalcol</pre>					1		
		Up to 10% pyrite in host rock at contact.					1		
		1148.6 - QUARTZ VEIN - 1 cm visible magnetite.					1		
	163.4-	164.0:9UART7-CARBONATE VEIN - Associated with a very minor	3677	163.4	164.0	0.6	I NTL		
		svenitir intrusion - up to 10% ovrite.			••••		!	1	
	164 0-	105 AIDACAIT - Finn arginad arguich-argan altarad hipschod	•				1		
	104.0	it highly fractured - Nuch enidete & such an ite of the					1		
		ia nigniy tractureo - nuch episote a pyrste related to i					1		
		iselveoge - Numerous qtz-carb veiniets, stringers &	i				i		
		iblebs.					ł		
	185.4-	187.0:BASALT - Very fine grained, pale green - Mostly epi-					1		
		<pre>idote - Small 1 cm.quartz vein with magnetite,</pre>					1		
	187.0-	235.9/BASALT - Similar to section 164.0-185.4 but less	1				1		
		lalteration & fracturing - Pyrite not in selvedge.					1		
	235.9-	236.7 SYENITE - Medium orained. orev & porphyritic - Scat-	3678	235.9	236.7	0.9	I NIL		
		tered ovrite mineralization - Contact CA's 70":					1		
		innen blinen merint neennenii naurenne arra ia s					•		

\_\_\_\_\_

UNIE NUMBER. 0.07.7

HOLE NUMBER	H-83-3					Si	HEET NO. 2 of 3
			111111111 DAM			**********	
FUUTHOE			DHN FRAM	TLE TD	TOTAL	i ΙΔυ-07 Δα-07	RSSAYS Cury Jack Dhay
********	, 	t nonden tttttttttt	*******	10	10186	1HU-01 Hg-01	0-0-7 19-7 10-7 *************
236.7- 239	.2:BASALT - Fine grained, grevish-green, highly altered &	3679	236.7	239.2	1.5	***************	**************
	Ifractured - Numerous otz-carb stringers.			20/12		1	
239.2- 242	.1!INTERFLOW SEDIMENT - Fine grained, prev, highly car-	3680	239.2	242.1	2.9	0.005	
	lbonatized, fractured & sheared - Scattered gtz-carb						
	<pre>istringering - CA foliation 20'.</pre>	1				1	
242.1- 295	.7:BASALT - Fine grained, greyish-green - Highly altered	3681	242.1	243.7	1.6	I NIL	
	& fractured - Numerous qtz-carb stringers & very nar-	l				;	
	lrow tuffaceous units - Scattered pyrite.	•				ł	
295.7- 299	.71BASALT - Fine grained, greyish-green & slightly car-	3682	295.7	299.7	4.0	0.002	
	bonatized - Narrow tuffaceous section @ 299.0' with					l	
	ICA 40'.					1	
299.7- 302	.0!INTERFLOW SEDIMENT - Fine grained, grey - Highly car-	3683	299.7	302.0	2.3	0.01	
	lbonatized, fractured & brecciated - Scattered pyrite &						
	ichalcopyrite.						
302.0- 305	.4 INTERFLOW SEDIMENT - Similar to previous section but	3684	302.0	305.4	3.4	1 0.01	
	Imore massive - Not so well fractured & less sulphides						
	Contact with lavas not distinct.	l.					
303.4- 34/	JIAN AND A GRAINED, GREYISH-GREEN- NUMEROUS IFFEGU-	i ,				1	
	liar patches of epidote up to 3 cms wide ~ Scattered	i 1				i •	
	1374 0-334 9 - THEFAPEONE unit with outh opidato & cor-	i I				i 1	
	isso.v-sso.7 - infractous unit with much epidote & car-	1 1				1	
<b>747 7- 74</b> 8	ALINTEREINN CEDINENT - Nodine orbinad provenintich	1 7485	747 3	<b>340 4</b>	1.1	1 1 0 002	
טדע טוודט	income - Hinhly carbonatized - Mineralized with ovrite	1 3003	V7/10	1014	111	1 0.001	
348.4- 364	-9:RASALT - Fine grained, green, highly altered & some-	, ;				3 	
0,011 001	What fractured - Much epidote. otz-carb & few sili-	1				1	
	Iceous sections - Scattered ovrite in streaks, blebs &						
	cubes - Numerous narrow tuffaceous sections less than	1				1	
	15 cms in width with CA's generally 40°.	1				1	
364.9- 370	.11BASALT - Similar to previous section with more epidote	3686	364.9	368.3	3.4	0.002	
	lqtz-carb & sulphides - Several vuggy quartz veins min.	87	368.3	370.1	1.8	1 0.04	
	lwith pyrite @ 365.6 & 368.0.	1				1	
370.1- 384	.91BASALT - Fine grained, greyish-green, altered & frac-	l				1	
	ltured with some qtz-carb-epidote on fracture planes -	1				1	
	Scattered pyrite -					1	
	378.1-378.3 - QUARTZ-CARBONATE VEIN - Vuggy with vis.	:				1	
	lpyrite - CA 50 .					1	
384.9- 386	.0;IN/EKFLUW SEDIMENI - Medium grained, grey & highly	1 3688	384.9	386.0	1.1	I NIL	
	icarbonatized - vevelopment of minor epidote with scat-	i 1				i I	
701 N. 107	itered pyrite mineralization.	i 1				i 1	
200.0- 401	indHatti - Fine grained, green & ,massive - aume sitera-	1 F				1	
	icidi a fracturing - numerous weakly mineralized ytz-	1				1 1	
107 1- 107	RETURED VEHICLES OF LO Z.CHS IN WILLIN.	) !				1	
10/11 10/	-real year of a street granned, grey a highly concentration of the street of the stree	• !				1	
	thomate which could be mariposite + carbonate.	1					
407.8- 431	.1!RASALT - Similar to section 386.0-407.1.					1	
431.1- 439	.6/BASALT - Fine grained, grevish-green - Slightly alt. &	3689	438.0	439.6	1.6	I NIL	
	Ifractured with minor carbonatization - Numerous atz-	1				1	
	carb stringers up to 1 cm.	1				1	
439.6- 446	.9:INTERFLOW SEDIMENT - MAIN ZONE - Fine to med grained,	3690	439.6	441.3	1.7	1 0.05 }	0.128/7.3'
	lgrey, soft, highly carbonatized - Scattered pyrite	91	441.3	442.9	1.6	1 0.04 }	

-	F

HOLE NUMBER: H-R4-3

HOLE NUMBER:	H-84-3							SK	EET NO	. 3 of	3
FOOTAGE	LITHOLOGY	     	NUMBER	SAN Fron	PLE TO	TOTAL	14444444 1 1Au-02	******* Ag-0Z	SSAYS Cu-Z	211221 Zn-%	Pb-%
1446.9- 450.0 450.0- 521.7	<pre>####################################</pre>		11111111111111111111111111111111111111	442.9 444.6 446.9 450.0	444.6 444.6 446.9 450.0 453.3	1.7 2.3 3.1 3.3	10.23 0.17 0.02 0.005	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	0.196	/4.0'	****
	END OF HOLE 27 Core Boxes 20 Samples						 				

						SHEET NO. 1 of 2
NAME OF PROPERTY: GOLDEN HARKER E)	(PLORATIONS LTD. OPTION   FOOTAGE	DIP	AZIMUTH	HOLE NUMBER:	H-84-4	
HOLE NUMBER: H-84-4 LEN	IGTH: 492.0'   Collar	-58 '	320'	REMARKS: Mid-h	ole tropari	valid only for
LOCATION:Harker Twp., Claim L-13138	3, Larder Lake Div.,Ont.  261'	-56 '	268'?	incli	nation.	
LATITUDE: 3 + 00 S DEF	ARTURE: 8 + 00 N 1 487'	-55 *	324 *			
ELEVATION: Not Determined AZI	INUTH: 320 1					
STARTED: June 18, 1984. FIN	(ISHED: June 22, 1984, 1			CORF GITE, RD :	. 1 7/16	
DRILLED RY:St. Lambert Drilling Cr				1 1000CD 9V; And	- 1 //10 - 1 Trana	
******************************	/*;~~~~; /~~~~; /~~~~~~~~~~~~~~~~~~~~~~~	***********	*******	I LUDUCU DI' HIV	ew 0. 1100p	, 
CONTACC 1		************* 1	14444444 10880	· • • • • • • • • • • • • • • • • • • •	• <b>• • • • • • • • • • • •</b> • • • • • •	44444444444444444444444444444444444444
			- SHALI			H00H10
******		I NUMBER	FRUN	IU IUIRL	AU-UZ AG-U	12 CU-2 2n-2 Pb-2
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**********	*******		**********	
VVVV.V- 7.4;UVERBURDEN - HURUS a	ING DIACK MUG.	i				
7.4- 17.4(BASAL) - Fine graine	d, Oark green & massive - Ucca-	1			i	
isional qtz-carb stri	ingers & veinlets in fracture pat-	1				
ltern - Scattered pyr	rite in streaks,blebs & cubes -	1			1	
ICA of fracturing 50"		1			l	
19.4- 21.2:BASALT BRECCIA - Fir	ae grained, dark green frags & pale	1			1	
igreen matrix - Scatt	cered pyrite in matrix.	ł			l	
21.2- 62.2:BASALT - Fine grain	ed, green & massive - Occasional	1			ł	
ivery narrow breccia	section as above - Few otz-carb-	ł				
lenidote stringers.	veinlets & hlebs with associated	1				
Invrite mineralizati	inn - Orracional cherty frammente	!			!	
inarallel to vanue li	inearity & related to selvence -	1			•	
Penerally binh and	cucr pater readianc				•	
LO D_ LT ATINTEDELON CENTMENT .	- BOCPCIATCO - Finn arginad nink-	1			1	
02.2 03.VINIERTLUM DEDIGENT	- DRECCINIED - Fine grained, pink-	1 F			i 1	
isn green & slightly	/ Cardonatizeo - mineralizeo with	i			i	
ipyrite.		i			5	
63.0- 92.8:BASALT - Similar to	section 21.1-62.2. Almost medium	1			1	
Igrained in short se	ctions.	1			1	
92.8- 93.8 INTERFLOW SEDIMENT -	- WELL BEDDED - Medium grained,	1			1	
Igrey to bright pink:	ish-green - Highly carbonatized &	ł			3	
imineralized with pyr	rite.	ł			1	
93.8- 164.9:BASALT - Similar to	section 21.1-62.2 - Narrow fine	ł			ŝ	
igrained carbonaceous	s syenitic intrusions @ 105, 131 &	1			ł	
146'.	, , ,	1			ł	
164.9- 167.21BASALT - Fine grain	ed. orevish & altered - Upper &	1			;	
llower contacts 30'	4 50'.	1			ł	
167.2- 167.5:SYENITE - Fine grain	ned. nink & carbonatized - Mineral-				Į	
ized with ovrite					!	
147.5-201.1 PASALT - Fine orain	ed prevish-prees - Slightly al-	1			1	
torio zvilibnonci line grain	Numerous sta-cash stringers vain.	, ,1			, 1	
llote t blobe on Kra	numerous que caro scringers, vern	1			1	
liets a Diebs on Trad	Luie parcelli - Jmais phygodies a	3 1			1 1	
iwnat appear to be g	nosteo felospar phenotrysts.	1			1	
201.1- 206.21BASALI - BREULIA - 1	Fine grained & green with much giz-	'i •			i •	
icarbonate - Probabi	y a flow top preccia.				i	
1206.2 - 2 Cas pink,	fine grained syenite.	i			1	
206.2- 218.7 BASALT - Similar to	section 167.5-201.1	\$				
218.7- 220.61BASALT - BRECCIA -	Similar to section 201.1-206.2	1			1	
220.6- 256.0:BASALT - Similar to	section 167.5-201.1	\$			1	
256.0- 257.3 INTERFLOW SEDIMENT	- Fine grained , grey & poorly	1			l	
ldeveloped - Slightl	y carbonatized - Suggestion of bed-	-!			;	
lding - Scattered py	rite	1				
257.3- 344.9:BASALT - Similar to	section 167.5-201.1	:			1	
344.9- 345.7 INTERFLOW SEDIMENT	- Medium grained, grey , highly	3697	344.9	345.7 0.9	0.02	
carbonatized with p	yrite mineralization.	ł			1	
345.7- 417.31BASALT - Fine grain	ed, greenish-grey with medium	ł			1	
•						

HOLE NUMBER:	H-84-4						S	HEET NO.	2 of 2	2
FROTAGE	**************************************		SOMD		******					
		NUNBER	FROM	TO	TOTAL	{Au-DZ	Aa-02	Cu-Z	7n-2 1	Ph-Z
*******		*******	********		******		111111	*****		
	Igrained sections having speckled appearance - Numerous					1				
	lqtz-carb stringers & blebs - Scattered pyrite increas-					1				
	ling towards bottom of section as does epidote content.	ł				1				
417.3- 419.	7:BASALTIC BRECCIA & TUFF - Fine grained, green to pale 1	3698	417.3	419.7	2.4	: 0.005				
	Igreen & slightly carbonatized - CA of linearity 30' -	ł				1				
	Scattered pyrite.					1				
419.7- 420.	6:INTERFLOW SEDIMENT - BRECCIATED - Fine grained, grey &	3699	419.7	420.6	0.9	1 0.14	} }			
	<pre>highly carbonatized - Scattered pyrite - Exhibit num-</pre>					1				
	lerous broken-up buff coloured sections that may be					ł				
	lchert.					ł				
420.6- 422.	7:INTERFLOW SEDIMENT - As above but not brecciated & no	3700	420.6	422.7	2.1	1 0.425	} }	0.340/	/3.0'	
	lvisible chert - Scattered pyrite.					1				
422.7- 426.	7:SYENITE - Medium to coarse grained, pink & white -	3501	422.7	426.7	4.0	0.01	}			
	Carbonatized & mineralized with pyrite - Contact CA'S	i								
	lUpper 50° - Lower ground.						_			
426.7- 436.	2'INTERFLOW SEDIMENT - Fine grained, grey & highly frac-	3502	426.7	428.3	1.6	0.03	}			
	ltured & carbonatized - Scattered pyrite mineralization	3	428.3	430.0	1.7	0.03	}			
	Sample 3505 best pyrite.	4	430.0	431.6	1.6	0.01	}			
			431.6	455.1	1.5	0.02	}			
		i ()   7547	433,1	434.0	1.3	1 0.03	3	A 470		
17/ 0 170	i DIDADALT DOCODIA (include on this big sectors)	i 33V/ 1 7500	404.0	430.2	1.0	1 0.02	3	v. 078	10.0.	
498.2- 494.	ZibASALI BKEULIA - tine grained, grey & nighly carbona	1 2208	430.2	437.2	2.0	1 0.01				
170 0 451	itized and qtz-carb flooded - Scattered pyrite.	;   7500	170 0	440 E	77	i I A AAF				
437.2- 434.	GIDHSHLI - Fine to med. grained, gravish-graen, highly -	1 3307	407.2	442.3	3.3 7 7	1 0.00				
	Hith starsch fillings - Visible system	1 1	112.J AAS 0	44J.0 880 1	3.3 र र	1 0.01				
	WACHETTE CHEETETTTTTTTTTTTTTTTTTTTTTTTTTTT	1 1	440-1	447.1	3.3 7 7	1 0 02				
	INMOMETIC SUSCEPTIBILITY REMDING LOW TO MIL THOM 41317	1 2	452 A	132.7 151 L	3.3 7 7	1 0.02				
154 6- 192	I Algagal 7 - Fine argined areen & ascrive - Numerous atz-	1 3513	493.7	ARA R	1 1	1 1111				
171 - 0176	Iranh-onidate stringers & block - Accessing avrite.	1 9917 !	10011	0.707	1.1	1				
	Several very parrow svenitic intrusions - Flow ton	1				, !				
	threering with 5% by 2 483.7-484.8. NAG. SUSC. NIL.	!				1				
	END OF HOLE	1				ł				
	26 Core Boxes 18 Samples									
	· ····································									

				SHEET NO. 1 of 3
NAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION   FOOTAGE	DIP	AZINUTH	HOLE NUNBER: H	~84~5
HOLE NUMBER: H-84-5 LENGTH: 492.0'   Collar	-60 '	320 '	RENARKS: Atten	pt to intersect Main Zone at
LOCATION:Harker Twp., Claim L-13138,Larder Lake Div.,Ont.! 261'	-58'	302'?	375'	Level.
LATITUDE: 2 + 90 5 DEPARTURE: 10 + 00 N ; 48/	-3/.	504 *	1	
ELEVATION: NOT GEFTEFMINED RAINUIN; SAU			i 1 0000 0175, D0	- 1 7/1/*
Disconcert and the second seco		i	I LUKE SIZE: BU	= 1 //16-
UNILLED DIIGE. LUMBER L DEIIIII GU,,LLU,,VAILEYTERU,F.M.: 19911991191919191919191919191919191919	**********	*********	i LUDOCU DT: HAQ ************	rew J. Iroop. **********
FUNTARE ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	] ]	SOND:	**************************************	·····································
	I NUNBER	FRON	TO TOTAL	1
***************************************	********	******	**********	
0000.0- 3.6:OVERBURDEN - Casing from floor of rig to bedrock.	1			ξ
3.6- 45.9:BASALT - Fine grained, dark green & altered - Freq-	ł			1
luent qtz-carb stringers & blebs with some epidote -	ł			ł
¦Scattered pyrite in streaks & blebs ∼ Two wide sel-	}			1
¦vedge zones ∂ 37.7-38.5 & 43.6-45.9.	!			1
45.9- 59.41BASALT - Medium grained, green & massive - Numerous	-			1
lqtz-carb-epidote stringers & blebs - Scattered pyrit	e			ł
lin streaks & blebs.				
59.4- /1.3:BASALI - Very fine grained, dark green & somewhat al	- ;			
itered - Few qtz-carb-epid stringers - Scattered pyri	tei			1
/1.3~ /3.9/INTERFLUW SEPTRENT & SELVEDUE - BREULTRIED - FING TO	i			1
imeo, graineo, green a siightiy tollateo - numerous	i 1			1
IQLICATOREDIU STITUGETS & MASSES - H I LM.SELLIUN #	1			3 . 4
77 9- 91 9/RACAIT - Very fine argined dark provish-press t	1			1 I
slinhtly silicone - Acresional atz-carb-onid string	or!			1
Scattered nurive as stringers & blebs.	1			•
91.8- 93.4; INTERFLOW SEDIMENT - Fine to med. preenish-	;			
lorey. brecciated & carbonatized.				1
93.4- 108.4:BASALT - Very fine grained, dark green & slightly	3515	102.6	103.9 1.3	I NIL
Isilicified - Up to 2% pyrite in streaks & blebs.	1			\$
102.6-103.0 - Interflow Sediment	ł			ł
103.0-103.9 - Selvedge	5			1
108.4- 108.9:SYENITE - Medium grained, pink & massive. CA's 65'.	ł			\$
108.9- 143.4:BASALT - Fine grained, black green & highly altered	-			
Much epidote with sections up to 27 cms. in width -	}			
Frequent qtz-carb-epid stringers & blebs - Scattered	1			
ipyrite.	- F			1
143.4- 168.ViBHSRL1 - Reolum grained, green & massive - rseudo-ol	8-i 1-1			i ,
idasic cexture - numerous fine to med. grained syenic	161			9 1
Similar material to that found on mine dumn	1			1
1/2 0- 177.7!PDRPWRYITIC ROSALT- Coarse grained, grevish green wi	1 +h!			1
increasional nick stain feldsnar obenocryst - Highly	1			
laltered with few otz-carb-epid stringers - Upper con	-			2
itact distinct & lower is brecciated.	1			1
177.7- 180.4: BASALT - Fine grained, grey & highly carbonatized -	1 3516	177.7	180.4 2.7	: 0.002
Scattered pyrite mineralization.	ł			ł
180.4- 187.0:BASALT - Medium grained, greyish-green & massive - B	e-!			1
icoming coarser down the hole.	l.			1
187.0- 188.5:QUARTZ-CARBONATE-EPIDOTE VEIN - Some hematite & vis.	py: 3517	187.0	188.5 1.5	ł NIL
188.5- 207.8:BASALT - Medium grained, green & speckled - Massive	- ;			1
¦Pseudo-diabasic texture − Few 1 cm.syenitic intrusic	nsl			
Scattered pyrite & qtz-carb-epid stringers.				
207.8- 208.5:INTERFLOW SELVEDGE - Mixture of qtz-carb-epidote wit	h   3518	207.8	208.5 0.7	: 0.002

MULE NUMBER H-0-5 SECTION 0: 0										
<pre>Minimum setup /pre>	HOLE NUMBER: H-84-5						SH	EET NO	. 2 of	3
FOURAGE         LITHOLOGY         SAMPLE         A SAMPS           INDER         FORD TO TOTAL Hard2 Aged Cord	***************************************	*******				******			*****	
<pre>i i i i i i i i i i i i i i i i i i i</pre>	FOOTAGE   LITHOLOGY	ł	SAMP	PLE		1	A	SSAYS		
<pre>titientification is a second of the sec</pre>		I NUMBER	FROM	TO	TOTAL	lAu-OZ	Aq-OZ	Cu-X	Zn-X	Pb-7
<ul> <li>tup to SI pyrite sineralization.</li> <li>208.552.252.058A11 - Notium to fine grained, greysbargerem k assi</li> <li>isyve - Suewhat specified appearance - Fem marrow</li> <li>isymitic intrusions that sees to follow 50' fracture i</li> <li>ipattern.</li> <li>225.2-233.1365A1 - Fine grained, dark green with numerous bree-1</li> <li>icitated sections - Some pervasive controlation i</li> <li>tassociated with seall qtr-card-mpid. winides - Spat-1</li> <li>ittee dayste as streaks, blabs to bebs.</li> <li>223.1-294.1365A1 - Fine grained, grey-green k assive - Spat-1</li> <li>ittee dayste as stociated gridotic intrusions at 1</li> <li>i50 to 70. DYs. Scattered pyrite in fractures k as 1</li> <li>ibides.</li> <li>204.4- 312.5186A1 - Fine grained, dark green k assive - Spat-1</li> <li>istema.</li> <li>204.4- 312.5186A1 - Fine grained, dark green k assive - Partial-1</li> <li>ipheds.</li> <li>204.4- 312.5186A1 - Fine grained, dark green k assive - Partial-1</li> <li>ipheds.</li> <li>204.4- 312.5186A1 - Fine grained, dark green k assive - Partial-1</li> <li>ipheds.</li> <li>212.5-314.4186A1 - Fine grained, dark green k assive - Partial-1</li> <li>ipheds.</li> <li>213.2-514.4186A1 - Fine grained, dark green k assive - Partial-1</li> <li>ipheroinitation 1 - Zees. into bassit.</li> <li>214.4- 317.4110750100 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish to white k 1519</li> <li>216.4- 317.411075010 SUBDENT - Fine grained, greyish white for the stociated section sith increased gpi-1</li> <li>idote content - Occasional tow single otyrctar vehicle t</li> <li>idote content - Occasional tow single otyrctar vehicle t</li> <li>idote content - Cocasional t</li></ul>	***************************************	********	*******			*******		*****		11111
<ul> <li>208.5-228.21386ALT - Medium to fine grained, preyish-green &amp; mas-1</li> <li>isive- Sawahak specified appearance - Few marrow i isymetitic intrusions that seems to follow 50' fracture i ipattern.</li> <li>225.7-263.11865ALT - Fine grained, dark green with numerows brec- iciated sections - Sowe pervasive carbonatization i issociated with sall qtt-carb-opaid. windlets - Satt- iltered pyrite as streaks, block A cubes.</li> <li>235.1-2904.1868ALT - Meinu grained, greyrgeren &amp; massive - Satt- iltered pyrite as treaks, block A cubes.</li> <li>236.1-2904.1868ALT - Fine grained, dark green &amp; massive - Spec- iltered pyrite as treaks, block A cubes.</li> <li>236.4-304.1868ALT - Fine grained, dark green &amp; massive - Spec- iltered pyrite as treaks, block A cubes.</li> <li>236.4-304.1868ALT - Fine grained, greyrgere a sassive - Spec- iltered pyrite as treaks, block A cubes.</li> <li>236.4-304.1868ALT - Fine grained, greyrgere a sassive - Spec- iltered pyrite as treaks, block A cubes.</li> <li>236.4-304.1868ALT - Fine grained, greyrgere a sassive - Partial- ilty breactuate - Few marrow shart.</li> <li>236.4-317.4100.0.005</li> <li>237.4-330.8868ALT - Fine grained, greyrish to white &amp; 1319.316.4-317.4.1.0</li> <li>236.4-317.4100000000000000000000000000000000000</li></ul>	lup to 5% pyrite mineralization.	1				1				
<pre>isive - Somehat specified appearance - Fer marror i     isyoutic intrusions that sees to follow 50' fracture i     justern. 225.2-283.11865ALT - Fine grained, dark green with numerous beec -     iciated sections - Some pervaive combactization     iassociated with small gtr-carb-gid, winits - Stat-     itered pyrit as straks, blebs to cube. 223.1-220.41865ALT - Fine grained, grey-green &amp; assive - Spec-     iteled appearance - Fee marror system : intrusions at 1     isoles. 223.1-230.41865ALT - Fine grained, dark green &amp; assive - Spec-     iteled. 220.4-230.41865ALT - Fine grained, dark green &amp; assive - Spec-     isoles. 220.4-230.41865ALT - Fine grained, dark green &amp; assive - Spec-     isoles. 230.4-230.41865ALT - Fine grained, dark green &amp; assive - Spec-     intrusion 20 css. long - Minor pyrite. 312.5-316.41865ALT - Fine grained, dark green &amp; assive - Partial-     intrusion 20 css. long - Minor pyrite. 313.6-327.41865ALT - Fine grained, greyish to white &amp; 1 315     isoles. 313.4-33.741865ALT - Fine grained, greyish to white &amp; 1 315     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite.     isoles.     isoles.     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with S 2 pyrite - Cles 50.1     isole - Highly carboatized with sole - Facture - Cles - C</pre>	208.5- 225.21BASALT - Medium to fine grained, greyish-green & mas-	1 <sup>1</sup>				1				
<pre>ispenitic intrusions that sees to follow 50' fracture i</pre>	sive - Somewhat speckled appearance - Few narrow	1				1				
<ul> <li>1pittern.</li> <li>125.2-283.11868LT - Fine grained, dark green with numerous brecticitated sections - Some pervasive carbonatization is associated with small gtr-carb-spid. veinlets - Scatticitate - Scatticitate - Secticitate - Se</li></ul>	syenitic intrusions that seem to follow 50' fracture					1				
225.2- 283.11585M1 - Fine grained, dark green with nuerous brac- iciated sections - Some pervasive carbonatization in associated with small gtr-carb-paid, weinlets - Scat- itered pyrite as streaks, blobs & cube. ison - 200.4158M1 - Fine grained, gargemen & massive - Spac- ikided appearance - Few marrow symilt: intrusions at ison - 200.43 sole.188MSL - Fine grained, dark green & massive - Spac- iblebs. 200.4-30.45 ISAMSL - Fine grained, dark green & massive - Spac- iblebs. 200.4-30.45 ISAMSL - Fine grained, dark green & massive - Space intrusion 20 case. Iong - Minor pyrite - One 3 ca. py. iseae. 312.65 Jist.4188AKL - Fine grained, dark green & massive - Partial- ity Precisited - Few marrow symite: intrusion 20 case. Iong - Minor pyrite. 312.65 Jist.4188AKL - Fine grained, dark green & massive - Partial- ity Precisited - Few marrow symite: intrusion 20 case. Iong - Minor pyrite. 312.65 Jist.4188AKL - Fine grained, dark green & massive - Partial- ity Precisited - Few marrow symite: intrusion 20 case. Iong - Minor pyrite. 312.64 317.41 Fine grained, dark green & massive - Neuerous intrusion 20 case. Iong - pyrite area to symite. 313.8- 342.5188AKL - Fine grained, dark green a massive - Neuerous intrusion 20 case. Iong reyish-green, speckled & I massive - Few precisited sections with intrassed gpi- idote context - Dicesional low male strearb weinlet is the marking a symite intrusions 370 CAPs with minor pyrite is 32.5- 33.1188AKL - Fine grained, dark green & massive - Napetic - iciated sections - Nuerous str-carbon weinlet is specified at the specified recis. 371.11372.51251111 - Fine grained, dark green & massive - Napetic - iciated sections - Nuerous str-carbo weinlet is the is is the raciated. 372.5-333.1188AKL - Fine grained, dark green k massive - Napetic - iciated sections - Nuerous str-carb weinlet is the is is indee streamed the 10-152 pyrite - A 1 ca. carb veinlet i is indee streamed the No-153 pyrite - A 1 ca. carb veinlet i is indee streamed the No-153 pyrite - A 1 ca. carb veinlet i is indee streamed	loattern,					l				
<pre>lciete sections - Bome pervaitve carbonatization                                      </pre>	225.2- 283.11BASALT - Fine grained, dark green with numerous brec-	;								
<pre>issociated with sell qir-carb-opid, woilets - Scat - i itered pyrite as streaks, blebs k cubes. 283.1- 290.418450LT - Medius grained, grey-green k assive - Spac- itikled appearance - Feen narrow syenitic intrusions at i iso to 70 DEX. Scattered pyrite in fractures k as i iblebs. 290.4-304.81680klT - Fine grained, dark green k assive - Some i ibrecciation with associated opidete - Fractures filled ihair-like qtr-carb stringers k pyrite - One 3 Cs. py. iso and a stringer k the pyrite - Directation if a second of the symplet intrusion 20 cs. long - Minor pyrite. 304.4-312.31845841 - Fine grained, dark green k assive - Partial- ily brecciated - Feen qtr-carb stringers kit pyrite + OK's 50.1 312.4-313.41865841 - Fine grained, dark green k assive - Partial- ily brecciated - Feen qtr-carb stringers kit pyrite - CK's 50.1 313.4-333.8186841 - Fine grained, dark green k assive - Muercus i [qtr-carb-epid facture fillings with since pyrite.] 333.8-342.5186841 - Fine grained, dark green k assive - Muercus i [qtr-carb-epid facture fillings with since pyrite.] 333.8-342.5186841 - Keius grained, greyish opern, speckled k 1 assive - Few brecciated sections with increased epi-1 itote content - Occasional low maje qtr-carb venint   isoth ensuite strin k associated pyrite.] 332.5-334.186841 - Fine grained, dark green k assive - Solvedgel ist content - Occasional low maje qtr-carb venint   isoth ensuite strin k associated pyrite.] 332.5-334.1186841 - Fine grained, dark green k assive - Solvedgel ist content - Occasional low maje qtr-carb venint   isoth ensuite strin k associated pyrite.] 332.5-334.1186841 - Fine grained, dark green k assive - Solvedgel ist content - Occasional low maje qtr-carb venint   isoth ensuite strin k associated pyrite.] 332.5-334.1186841 - Fine grained, prev k carbonaticed in 1 isoth is brecciated.] 332.5-334.1186841 - Fine grained, prev k carbonaticed   isoth is brecciated.] 332.5-342.51876841 - Fine grained, grey k carbonaticed   isoth isoth facture fillings 50 CA &amp; Very   isoth isother cata.] 333.6-</pre>	ciated sections - Some pervasive carbonatization	1				-				
<pre>ltered pyrite as streats, blebs &amp; cubes. i 283.1-290.41389AUT - Medius grainds, grey-green &amp; assive - Spac- ikled apparance - Fee marrow synitic intrusions at iSO to 70 DFs. Scattered pyrite in fractures &amp; as iSO to 70 DFs. Scattered pyrite in fractures &amp; as iSO to 70 DFs. Scattered pyrite in fractures &amp; as iSO to 70 DFs. Scattered pyrite in fractures &amp; as iSO to 70 DFs. Scattered pyrite - One 3 Cs. py. I isotation of the space of the space of the space of the isotation of the isotation of the space of the isotation of the isotation of the space of the isotation of the iso</pre>	lassociated with small gtz-carb-epid. veinlets - Scat-	1				1				
<ul> <li>283.1- 290.418684.1<sup>-1</sup> Kedium grained; grey-green k assive - Spec. 1</li> <li>180.0 70 D.Mr.s. Scattered pyrite in fractures k as 1</li> <li>190.4-304.18684.1 - Fine grained; dark green k assive - Some 1</li> <li>100.4-304.18684.1 - Fine grained; dark green k assive - Some 1</li> <li>101.11.11.11.11.11.11.11.11.11.11.11.11.</li></ul>	ltered pyrite as streaks, blebs & cubes.	1				1				
<pre>Held appearance - Few narrow symitic intrusions at 1 150 to 70 Car's. Scattered pyrite in fractures &amp; as 1 150 to 70 Car's. Scattered pyrite in fractures &amp; as 1 150 to 70 Car's. Scattered pyrite in fractures &amp; as 1 150 to 70 Car's. Scattered pyrite in fractures &amp; as 1 150 to 70 Car's. Scattered pyrite in fractures &amp; as 1 150 to 70 Car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - One 3 cs. py. 1 15 sas. 150 to 70 car's. Scattered pyrite - Car's 30 to 1 150 to 70 car's. Scattered pyrite - Car's 30 to 1 150 to 70 scattered pyrite res tassive - Partial-1 150 to 70 scattered pyrite res tassive - Numerous 151 to 71 car's 30 scattered pyrite res tassive - Numerous 152 to 71 to 71 car's scattered pyrite res tassive - Numerous 153 to 71 to 71 car's scattered pyrite res tassive - Selvedget 153 to 71 to 71 car's scattered pyrite res tassive - Selvedget 153 to 71 to 71 car's scattered pyrite to 1 153 to 71 to 71 car's scattered pyrite to 71 /pre>	283.1- 290.41BASALT - Medium grained, grey-green & massive - Spec-	1				i i				
<ul> <li>150 to 70 CA's. Scattered pyrite in fractures &amp; as :</li></ul>	ikled appearance - Few narrow syenitic intrusions at	1				1				
<pre>blebs. Proceation with associated epidote - Fractures filled thair-like qtz-carb stringers &amp; pyrite - One 3 cm. py. 1 seam. J04.8-312.51868ALT - Similar to section 283.1-200.4 with a symilet intrusion 20 cm. long - Ninor pyrite. J12.5-316.4.1868ALT - Fine grained, dark green &amp; massive - Partial- I1y breciation 1-2 cm. into baselt. J16.4-317.4.1MTERFLOW SEDINENT - Fine grained, greyish to white &amp; 1 Sint Sint Shakalt - Fine grained, dark green k massive - Numerous iqtz-carb-epid fracture fillings with ainor pyrite. J12.5-316.4.1868ALT - Fine grained, greyish to white &amp; 1 Sint Sint Shakalt - Fine grained, greyish to white &amp; 1 Sint - Ninghly carbonatized with 51 pyrite - CA's 50 . J17.4-333.8.186ALT - Fine grained, greyish green, speckled &amp; 1 Hassive - Few brecciated sections with increased gpi-1 I dote content - Occasional low angle qt-rarb veinlet I I ison - Fine grained, dark green k massive - Bulvedgei I at contart with above &amp; has Sing yrite - Solvedgei I at contart with above has Sing yrite isonal I and /pre>	150 to 70 CA's, Scattered pyrite in fractures & as	1				ļ				
<ul> <li>290.4- 304.6:B68ALT - Fine grained, dark green k assive - Some t</li> <li>Ibrectiation with associated epidote - Fractures filled</li> <li>Ibrectiate - arb stringers &amp; byrite - Ge 3 Cs. py. 1</li> <li>Issaa.</li> <li>10.4-312.5:B6ALT - Similar to section 283.1-290.4 with a symitet</li> <li>Iintrusion 20 cs. long - Ninor pyrite.</li> <li>1312.5-316.4:B6ALT - Similar to section 283.1-290.4 with a symitet</li> <li>Iintrusion 10 cs. long - Ninor pyrite.</li> <li>1312.5-316.4:B6ALT - Similar stringers with pervasive i</li> <li>Icarbonstiration 1-2 cs. into basalt.</li> <li>1316.4-337.4:INTERFLID SEDIMENT - Fine grained, greyish to white &amp; 13519</li> <li>316.4-317.4:INTERFLID SEDIMENT - Fine grained, dark green k assive - Nueerous:</li> <li>Iintrusion fracture fillings with sinor pyrite.</li> <li>1333.B-342.5:B68ALT - Mediua grained, greyish-green, speckled k</li> <li>Iaassive - Few brecciated sections with increased ppi-1</li> <li>Idot content - Occasional low angle qtr-carb veinlet I</li> <li>Iwith heastite stain &amp; associated ppi-1</li> <li>Isote - Night - Carbonatize Vein.</li> <li>I336.0-386.6 - Syenite carehed breccia.</li> <li>371.1-373.5:FWHITE - Mediua grained, grey the sineralization -1</li> <li>IFew I ca. symile intrusions 3.70 CM's with ainor py.</li> <li>ISOT.5 - Quart-Carbonate Vein.</li> <li>ISOT.6 - Syenite carehed breccia.</li> <li>ISOT.5 - Quart-Carbonate Vein.</li> <li>ISOT.6 - Syenite carehed breccia.</li> <li>ISOT.6 - Syenite carehed brecci</li></ul>	iblebs.	1				ł				
Ibrecticition with associated enidote - Fractures filled       1         isea.       1         304.8-312.51868ALT - Similar to section 285.1-200.4 with a symitel       1         112.5-316.41848ALT - Fine grained, dark green k assive - Partial-1       1         11y brectiated - Few dtr-carb stringers with pervasive i       1         11.7-318.11848ALT - Fine grained, dark green k assive - Partial-1       1         11y brectiated - Few dtr-carb stringers with pervasive i       1         11.7-433.1848ALT - Fine grained, dark green k assive - Nuercoust       1         11.7-433.1848ALT - Fine grained, dark green k assive - Nuercoust       1         11.7-433.1848ALT - Fine grained, dark green k assive - Nuercoust       1         11.7-433.1848ALT - Fine grained, dark green k assive - Selvedget       1         11.8351ve - Few brectiated sections with increased gpi - 1       1         12.5-371.11848ALT - Fine grained, dark green & assive - Selvedget       1         13.2.5-371.11848ALT - Fine grained, dark green & assive - Selvedget       1         13.4-372.5184ALT - Fine grained, dark green & assive - Selvedget       1         13.4-4.5184ALT - Fine grained, dark green & assive - Selvedget       1         13.7.5184ALT - Fine grained, pink k assive - Naprow brec-1       1         13.7.5184ALT - Fine grained, grey k assive - Naprow brec-1       1         13.7.5184ALT - Fine g	290.4- 304.8:BASALT - Fine grained, dark green & massive - Some	1				}				
<pre>hair-like qtr-carb stringers &amp; pyrite - One 3 cs. py.   isea. /pre>	Ibrecciation with associated epidote - Fractures filled	1				1				
<pre>isea. 304.8- 312.51BASALT - Similar to section 283.1-290.4 with a symitel intrusion 20 cms. long - Minor pyrite. 312.5- 316.41BASALT - Fine grained, dark green &amp; massive - Partial-i ily brecciated - Few qtz-carb stringers with pervasive icarbonatization 1-2 cms. into basalt. 316.4- 317.41INTERFLOW SEDIMENT - Fine grained, greyish to white &amp; 3519 316.4-317.41INTERFLOW SEDIMENT - Fine grained, greyish to white &amp; 3519 316.4-317.41INTERFLOW SEDIMENT - Fine grained, greyish to white &amp; 3519 317.4-333.B1BASALT - Fine grained, dark green &amp; massive - Kumeroust iqtz-carb-epid fracture fillings with minor pyrite. 333.8-342.51BASALT - Houle grained, greyish green, speckled &amp; 1 leassive - Few brecciated sections with increased epi- idote content - Decasional low angle qtr-carb veinlet 1 liw the heastite stain &amp; associated pyrite. 342.5-371.11BASALT - Fine grained, dark green &amp; massive - Selvedget lat content - Decasional low angle qtr-carb veinlet 1 listic heastite stain &amp; associated pyrite. 342.5-371.11BASALT - Fine grained, pink &amp; massive - Belvedget lat contact with above &amp; has 512 pyrite simeralization -1 liFew 1 cm. symite intrusions 0 70 CAPs with minor py. 1357.5- Guartz-Carbonate Vein. 1364.0-384.0 - Sube - Symite casened breccia. 371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic -1 licated Sections - Numerous qtz-carb veinlet at top k 1504.0-384.0 - Suberciated. 372.5- 391.11BASALT - Fine grained, pink &amp; massive - Marnow brec-1 licated sections - Numerous qtz-carb veinlet 1 373.6-432.41BASALT - Fine grained, dark grey &amp; carbonatized 3520 391.1 392.7 1.6 (0.005 Minoralized with 10-152 pyrite - A 1 cm. carb veinlet 1 373.6-433.41BASALT - Fine grained, dark grey &amp; carbonatized 3520 391.1 392.7 1.6 (0.005 Minoralized with 00-152 pyrite - A 1 cm. carb veinlet 1 373.6-432.41BASALT - Fine grained, dark grey k carbonatized 3520 391.1 392.7 1.6 (0.005 Minoralized with 00-152 pyrite - A 1 cm. carb veinlet 1 1 selvedge. 423.4-424.91SYENITE - PORPHYNITIC - Coarse grained, pink &amp; massive Hontor &amp; Symite - In</pre>	thair-like gtz-carb stringers & pyrite - One 3 cm. py.	1				;				
<ul> <li>304.8- 312.51885ALT - Similar to section 283.1-290.4 with a syenited intrusion 20 cms. Long - Minor pyrite.</li> <li>312.5- 313.41885ALT - Fine grained, ark green &amp; assive - Partial-i</li> <li>11y brecciated - Few qtz-carb stringers with pervasive incarboardization 1-2 cms. into basalt.</li> <li>316.4- 317.411MEREPLUB SEDIRENT - Fine grained, greyish to white &amp; 3519</li> <li>316.4- 317.411MEREPLUB SEDIRENT - Fine grained, greyish to white &amp; 3519</li> <li>316.4- 317.411MEREPLUB SEDIRENT - Fine grained, greyish to white &amp; 3519</li> <li>316.4- 317.411MEREPLUB SEDIRENT - Fine grained, greyish reading price.</li> <li>333.B- 342.51885ALT - Medium grained, greyish reading price.</li> <li>333.B- 342.51885ALT - Fine grained, dark green &amp; massive - Selvedgel</li> <li>11 at contact with above k has 52 pyrite eineralization</li> <li>156.4- 317.41885ALT - Fine grained, pink &amp; massive - Selvedgel</li> <li>131.1- 372.5187ENTE - Medium grained, pink &amp; massive - Marow breet</li> <li>160.054.6- Symite creamted brecta.</li> <li>372.5- 391.11885ALT - Fine grained, pink &amp; massive - Narrow breet</li> <li>161.100.101.101.101.101.101.101.101.101.</li></ul>	isean.	1				1				
<pre>intrusion 20 cas. long - Minor pyrite. 112.5- 316.4 128/SALT - Fine grained, dark green &amp; massive - Partial- 11 by brecitated - Few str-carb stringers with pervasive i 12 carbonatization 1-2 cas. into basalt. 316.4- 317.4 1INTERFLOW SEDIMENT - Fine grained, greyish to white &amp; 13519 316.4 317.4 1.0 0.005 1317.4- 333.8 108/SALT - Fine grained, dark green &amp; massive - Numerous 133.8- 342.5 188/SALT - Fine grained, greyish-green, speckled &amp; 1 14 laassive - Few brecitated sections with increased epi-1 15 dote content - Occasional low angle qtr-carb veinlet 1 15 with hemaite stain &amp; massive - Selvedge 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 15 late ontact with above &amp; has 51 pyrite increased epi-1 16 late ontact CA's 45 - Narrow qtr-carb veinlet 1 17 late sections - Numerous qtr-carb veinlet 1 13 392.7 393.6 0.9 late k massive - Narrow brecc- 11 late sections - Numerous qtr-carb veinlet 1 13 392.7 393.6 0.9 late k massive - Numerous 1 13 392.7 393.6 0.9 late k massive - Numerous 1 13 392.7 393.6 0.9 late k massive - Numerous 1 14 layes 4 45. 15 391.1 392.7 1.6 10.005 16 late of a store ontact. 15 391.1 392.7 1.6 10.005 16 late ontact day is 45 strin-1 17 late ontact kin 10-155 pyrite - A is as carb veinlet 1 17 392.7 393.6 0.9 late k massive - Numerous 1 18 late diated carb fracture fullings # 50 CA - Very 18 late diated carb fracture fullings # 50 CA - Very 18 late diated carb fracture fullings # 50 CA - Very 18</pre>	304.8- 312.5:BASALT - Similar to section 283.1-290.4 with a syenite	1				1				
<ul> <li>312.5- 316.4 IBASALT - Fine grained, dark green &amp; massive - Partial-i <ul> <li>Ity brecriated - Few str-carb stringers with pervessive i <ul> <li>itarbonatization 1-2 case, into basalt.</li> <li>316.4- 317.4 IINTERFLOW SEDIMENT - Fine grained, greyish to white &amp; i 3519</li> <li>316.4 317.4 IINTERFLOW SEDIMENT - Fine grained, greyish to white &amp; i 3519</li> <li>317.4- 333.8 IBASALT - Fine grained, greyish stassive - Nuerrous</li> <li>itar-carb-epid fracture fillings with minor pyrite.</li> <li>333.8- 342.5 IBASALT - Medium grained, greyish-green, speckled &amp; i</li> <li>itassive - Fwe brecriated sections with increased epi-1</li> <li>itdote content - Occasional low angle qtz-carb veinlet i</li> <li>itat contact with above &amp; has 5X pyrite mineralization -1</li> <li>iFew 1 ca. syenite intrusions 370 CA's with minor pyrite.</li> <li>371.1- 372.5 SYENITE - Medium grained, pink &amp; massive - Nagnetic - 1</li> <li>itat contact with above &amp; thas 5X pyrite mineralization -1</li> <li>iFew 1 ca. syenite intrusions 370 CA's with minor pyrite.</li> <li>itat contact with above a bas 5X pyrite mineralization -1</li> <li>iFew 1 ca. syenite intrusions 370 CA's with minor pyrite.</li> <li>itat contact with above a bas 5X pyrite mineralization -1</li> <li>iFew 1 ca. syenite intrusions 370 CA's with minor pyrite.</li> <li>itat contact A is 5 - Narrow structarbower benetiat top &amp; 1</li> <li>ibottom is brecciated.</li> <li>itat contact A is 5 - Narrow structarb veinlet at top &amp; 1</li> <li>ibottom is brecciated.</li> <li>itat service pattern - Occasional symite i</li> <li>itat service intrusions fill sew rows i</li> <li>itat and itation -1</li> <li>itat and it</li></ul></li></ul></li></ul>	lintrusion 20 cms. long - Minor pyrite.					1				
<pre>Ily brecciated - Few qtz-carb stringers with pervasive {     carbonatization 1-2 cas. into basalt. 316.4-317.41/INTERFLOW BEDIRENT - Fine grained, greyish to white &amp; 3519 316.4-317.41/INTERFLOW BEDIRENT - Fine grained, dark green &amp; massive - Numerousi lqtr-carb-epid fracture fillings with minor pyrite. 333.8-342.51886ALT - Hedium grained, greyish-green, speckled &amp; 1 laassive - Few brecciated sections with increased epi-1 ldote content - Occasional low angle qtr-carb veinlet 1 lwith hematite stain &amp; associated pyrite. 342.5-371.11886ALT - Fine grained, dark green &amp; massive - Selvedgel lat contact with above &amp; has 52 pyrite enalization -1 IFew 1 cm. syenite intrusions 370 CA's with minor py.1 IS7.5 - Quartz-Carbonate Vein. 371.1-372.519KHHTE - Hedium grained, pink &amp; massive - Nagnetic - 1 lcontact CA's 45 - Narrow qtr-carb veinlet at top &amp; 1 lobtics is brecciated. 372.5-391.118ASALT - Fine grained, black &amp; massive - Nagnetic - 1 lciated sections - Numerous qtr-carb veinlet at top &amp; 1 lobtics is brecciated. 372.5-391.118ASALT - Fine grained, grey &amp; carbonatized 3520 391.11 392.7 1.6 IO.005 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.11 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.11 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1 392.7 393.6 0.9 lo.02 INITERFLOW SEDIMENT - Fine grained, grey &amp; masnetized 3520 391.1</pre>	312.5- 316.4:BASALT - Fine grained, dark green & massive - Partial-	1				1				
<pre>icarbonetization 1-2 cas. into basalt.                                      </pre>	lly brecciated - Few gtz-carb stringers with pervasive	1				1				
316.4-317.41INTERFLOW SEDIMENT - Fine grained, greyish to white & 13519       316.4-317.4 1.0       0.005         1soft - Highly carbonatized with 5% pyrite - CA's 50.1       1       1         317.4-333.BBASALT - Fine grained, dark green & aassive - Numeroust       1       1         1qtr_carb-epid fracture fillings with ainor pyrite.1       1       1         333.B-342.51BASALT - Medium grained, greyish-green, speckled & 1       1       1         1aassive - Few brecciated sections with increased epi-1       1       1         1dote content - Occasional low angle qtr-carb veinlet 1       1       1         1with hematite stain & associated pyrite.3       1       1         342.5-371.11BASALT - Fine grained, dark green & aassive - Selvedge       1       1         1at contact with above has 5% pyrite sineralization -1       1       1         1536.0-380.6 - Synite comented breccia.3       1       1         371.1-372.51SVENITE - Medium grained, pink & aassive - Magnetic -1       1       1         10attact CA's 45 - Narrow qtz-carb veinlet at top & 1       1       1         11.10-372.51SVENITE - Fine grained, grey & carbonatized!       3520       391.1       392.7       1.6         1.21.41.41.42.43.43.41.43.41.51.51       1       392.7       1.6       1.0005         1.11.43.45.61.11.61.51.51.51.51.51.51.51.5	carbonatization 1-2 cms, into basalt.	ļ				1				
<pre>Isoft - Highly carbonatized with 51 pyrite - CA's 50 . ! 317.4 - 333.B:BABALT - Fine grained, dark green &amp; massive - Numerouss iqtr-carb-epid fracture fillings with minor pyrite. 333.B - 342.51BABALT - Hedium grained, green speckled &amp; ! imassive - Few brecciated sections with increased epi- idote content - Occasional low angle qtr-tarb veinlet ! iwith hematite stain &amp; associated pyrite. 342.55-371.11BASALT - Fine grained, dark green &amp; massive - Selvedge! iat contart with above &amp; has 57 pyrite mineralization -! iFew 1 cm. symite intrusions 0 70 CA's with minor py: 1357.5 - Quarty-Carbonate Vein. 375.5 - Quarty-Carbonate Vein. 371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic -! icated sections - Numerous qtz-carb veinlet at top k icated sections - Numerous qtz-carb veinlets &amp; strin-! igers within fracture pattern - Occasional symite idykes 0 45. 371.1- 373.6:INTERFLEN SEDIMENT - Fine grained, grey &amp; carbonatized 3520 371.1 372.7 1.6 ! 0.005 iMineralized with 10-152 pyrite - A 1 cm. carb veinlet ! 373.6 - 423.4:BASALT - Fine grained, dark grey &amp; massive - Numerous ! iainute qtr-carb fracture fillings 0 50 CA - Very ! inarrow symite intrusions fill some fractures - Few ! ivogs with pyrite - Lower contact has 25 cas. epidote ! iselvedge. 423.4- 424.9:SYENTE - PORPHYRITIC - Coarse grained, pink &amp; massive! </pre>	316.4- 317.4:INTERFLOW SEDIMENT - Fine grained, grevish to white &	3519	316.4	317.4	1.0	0.00	5			
<ul> <li>317.4-333.BIBASALT - Fine grained, dark green &amp; massive - Numerousi iqtz-carb-epid fracture fillings with minor pyrite.</li> <li>333.8-342.5IBASALT - Medium grained, greyish-green, speckled &amp; imassive - Few brecciated sections with increased epi - imassive - Few brecciated sections a 70 CA's with minor pyrite.</li> <li>342.5-371.1IBASALT - Fine grained, dark green &amp; massive - Selvedgei into contact with above &amp; has 5% pyrite mineralization - improved the image of the image</li></ul>	Isoft - Highly carbonatized with 5% pyrite - CA's 50 .	1				1	-			
<pre>iqtz-carb-epid fracture fillings with ainor pyrite. { 333.B- 342.51BASALT - Medium grained, greyish-green, speckled k laassive - Few brecciated sections with increased epi- idote content - Occasional low angle qtz-carb veinlet l lwith hematite stain &amp; associated pyrite. { 342.5- 371.11BASALT - Fine grained, dark green &amp; assive - Selvedge! lat contact with above &amp; has 52 pyrite mineralization -! Few 1 ca. syenite intrusions 97 0 CA's with minor py.! (357.5 - Quartz-Carbonate Vein. 1360.6-358.6 - Syenite cemented breccia. 371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic -! 110.1110.1110.1110.1110.1110.1110.1110</pre>	317.4- 333.8/BASALT - Fine grained, dark green & massive - Numerous					1				
<ul> <li>333.8- 342.51BASALT - Mediua grained, greyish-green, speckled &amp; i lassive - Few brecciated sections with increased epi-i dote content - Occasional low angle qtz-carb veinlet i likith heastite stain &amp; associated pyrite.</li> <li>342.5- 371.11BASALT - Fine grained, dark green &amp; assive - Selvedgei lat contact with above &amp; has 5% pyrite mineralization -: i Few I cm. syenite intrusions # 70 CA's with minor py.</li> <li>357.5 - Quartz-Carbonate Vein.</li> <li>358.6 - 3yenite caented breccia.</li> <li>371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic - i Contact CA's 45 - Narrow qtz-carb veinlet at top &amp; i bottom is brecciated.</li> <li>372.5- 391.11BASALT - Fine grained, black &amp; massive - Magnetic - i ciated sections - Numerous qtz-carb veinlets &amp; strin-i lgers within fracture pattern - Occasional syenite i dykes # 45.</li> <li>391.1- 393.661INTEFFLOW SEDIMENT - Fine grained, grey &amp; carbonatized 3520 391.1 392.7 1.6 0.005</li> <li>Mineralized with 10-15% pyrite - A i cm. carb veinlet i 392.7 393.6 0.9 0.02</li> <li>iat lower contact.</li> <li>393.6 - 423.41BASALT - Fine grained, dark grey &amp; massive - Numerous i mainte qtz-carb fracture fillings # 50 CA - Very i marrow syenite intrusions fill some fractures - Few i wuys with pyrite - Lower contact has 25 cms. epidote i tselvedge.</li> <li>423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive i lassive i</li></ul>	lotz-carb-enid fracture fillings with minor ovrite.	ł				i				
Image: Pew brecciated sections with increased epi- idote content - Occasional low angle qtz-carb veinlet       Image: Pew brecciated sections with increased epi- idote content - Occasional low angle qtz-carb veinlet         342.5- 371.118ASALT - Fine grained, dark green & massive - Selvedgei       Image: Pew brecciated         342.5- 371.118ASALT - Fine grained, dark green & massive - Selvedgei       Image: Pew brecciated         342.5- 371.118ASALT - Fine grained, dark green & massive - Selvedgei       Image: Pew brecciated         358.6 - Syenite intrusions # 70 CA's with minor py.       Image: Pew brecciated         371.1- 372.51SYENITE - Medium grained, pink & massive - Magnetic - 1       Image: Pew brecciated         372.5- 391.118ASALT - Fine grained, black & massive - Marrow brec       Image: Pew brecciated         372.5- 391.118ASALT - Fine grained, grey & carbow brect       Image: Pew brecciated         372.5- 391.118ASALT - Fine grained, grey & carbow brect       Image: Pew brecciated         372.5- 391.118ASALT - Fine grained, grey & carbow brect       Image: Pew brecciated         391.1- 393.61INTERFLOW SEDIMENT - Fine grained, grey & carbowatized       391.1       392.7       1.6       10.005         Image: Within fracture pattern - Occasional symite       Image: Pew brecciated       Image: P	333.8- 342.5!RASALT - Mediue grained, grevish-green, speckled &	ł				· •				
<pre>idote content - Occasional low angle qt=-carb veinlet i with hematite stain &amp; associated pyrite. 342.5- 371.118ASALT - Fine grained, dark green &amp; massive - Selvedgei lat contact with above &amp; has 5% pyrite mineralization -1 iFew 1 ca. syenite intrusions @ 70 CA's with minor py. 1357.5 - Quartz-Carbonate Vein. 1368.0-368.6 - Syenite cemented breccia. 371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic - 1 iContact CA's 45 - Narrow qtz-carb veinlet at top &amp; ibottom is brecciated. 372.5- 391.11BASALT - Fine grained, black &amp; massive - Narrow brec- iciated sections - Numerous qtz-carb veinlets &amp; strin- igers within fracture pattern - Occasional syenite idykes @ 45. 391.1- 393.61NHERFLOW SEDIMENT - Fine grained, grey &amp; carbonatizedi 3520 Wineralized with 10-15% pyrite - A 1 cm. carb veinlet i isinute qtz-carb fracture fillings @ 50 CA - Very i inarrow syenite intrusions fill some fractures - Few i ivugs with pyrite - Lower contact has 25 cms. epidote iselvedge. 423.4- 424.91SVENTET - PONPHYRITIC - Coarse grained, pink &amp; massive i iContact CA's 45.</pre>	loassive - Few hrecciated sections with increased poi-	!				i				
<ul> <li>With headite stain &amp; associated pyrite.</li> <li>342.5- 371.1/BASALT - Fine grained, dark green &amp; massive - Selvedgel</li> <li>lat contact with above &amp; has 57 pyrite mineralization -!</li> <li>Ifew 1 cm. symite intrusions 3 70 CA's with minor py.</li> <li>1357.5 - Guartz-Carbonate Vein.</li> <li>1360.0-360.6 - Symite cemented breccia.</li> <li>371.1- 372.5/SYENITE - Medium grained, pink &amp; massive - Magnetic - !</li> <li>IContact CA's 45 - Narrow qtz-carb veinlet at top &amp;</li> <li>Ibottom is brecciated.</li> <li>372.5- 391.1/BASALT - Fine grained, black &amp; massive - Marrow brec-</li> <li>Iciated sections - Numerous qtz-carb veinlets &amp; strin-1</li> <li>Igers within fracture pattern - Occasional symite</li> <li>Idykes 9 45.</li> <li>391.1- 393.6/INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized</li> <li>3520 391.1 392.7 1.6</li> <li>I 0.005</li> <li>Mineralized with 10-15% pyrite - A 1 cm. carb veinlet 1</li> <li>393.6- 423.4/BASALT - Fine grained, dark grey &amp; massive - Numerous I</li> <li>Iainute qtz-carb fracture fillings 9 50 CA - Very</li> <li>Inarrow symite intrusions fill some fractures - Fem</li> <li>Ivugs with pyrite - Lower contact has 25 cms. epidote</li> <li>Iselvedge.</li> <li>423.4-424.9/SVENTE - PORPHYRITIC - Coarse grained, pink &amp; massivei</li> <li>Icontact CA's 45.</li> </ul>	date content - Occasional low angle atz-carb veinlet	!				i				
<ul> <li>342.5- 371.11BASALT - Fine grained, dark green &amp; aassive - Selvedgel lat contact with above &amp; has 5% pyrite mineralization -! iFew 1 cm. syenite intrusions 0 70 CA's with minor py.! i357.5 - Guartz-Carbonate Vein.</li> <li>i368.0-368.6 - Syenite cemented breccia.</li> <li>371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic - ! iContact CA's 45 - Narrow qtz-carb veinlet at top &amp; ibottom is brecciated.</li> <li>372.5- 391.11BASALT - Fine grained, black &amp; massive - Marrow brec- icated sections - Numerous qtz-carb veinlets &amp; strin- icated sections - Numerous qtz-carb veinlets &amp; strin- idykes 0 45.</li> <li>391.1- 393.61INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized is 2520 391.1 392.7 1.6 10.005 iMineralized with 10-15% pyrite - A 1 cm. carb veinlet 1 392.7 393.6 0.9 10.02 iat lower contact.</li> <li>393.6- 423.41BASALT - Fine grained, dark grey &amp; massive - Numerous i imarrow syenite intrusions fill some fractures - Few i ivugs with pyrite - Lower contact has 25 cms. epidote i iselvedge.</li> <li>423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive i iContact CA's 45.</li> </ul>	luith hematite stain & associated ovrite.	1				1				
<pre>lat contact with above &amp; has 5% pyrite sineralization -:</pre>	342.5- 371.1; BASALT - Fine grained, dark green & massive - Selvedge					ł				
<pre>iFew 1 ca. symite intrusions @ 70 CA's with minor py.</pre>	lat contact with above & has 5% ovrite mineralization -	1				l				
<ul> <li>137. 5 - Quartz-Carbonate Vein.</li> <li>1368.0-368.6 - Syenite cemented breccia.</li> <li>371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic - I IContact CA's 45 - Narrow qtz-carb veinlet at top &amp; I Ibottom is brecciated.</li> <li>372.5- 391.11BASALT - Fine grained, black &amp; massive - Narrow brec- Iciated sections - Numerous qtz-carb veinlets &amp; strin- Igers within fracture pattern - Occasional syenite Idykes 4 45.</li> <li>391.1- 393.61INTERFLUM SEDIMENT - Fine grained, grey &amp; carbonatizedi 3520</li> <li>391.1- 393.61INTERFLUM SEDIMENT - Fine grained, grey &amp; carbonatizedi 3520</li> <li>391.1- 393.62 A23.41BASALT - Fine grained, dark grey &amp; massive - Numerous I Iainute qtz-carb fracture fillings 4 50 CA - Very</li> <li>Imarrow syenite intrusions fill some fractures - Few Ivugs with pyrite - Lower contact has 25 cms. epidote I Iselvedge.</li> <li>423.4- 424.91SVENITE - PORPHYRITIC - Coarse grained, pink &amp; massive I Icontact CA's 45.</li> </ul>	Few 1 cm. svenite intrusions 2 70 CA's with minor by.					i				
<ul> <li>1360368.6 - Syenite cemented breccia.</li> <li>371.1- 372.51SYENITE - Medium grained, pink &amp; massive - Magnetic - i IContact CA's 45 - Narrow qtz-carb veinlet at top &amp; i Ibottom is brecciated.</li> <li>372.5- 391.11BASALT - Fine grained, black &amp; massive - Narrow brec- iciated sections - Numerous qtz-carb veinlets &amp; strin- igers within fracture pattern - Occasional syenite idykes @ 45.</li> <li>391.1- 393.61INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized: 3520 IMineralized with 10-15% pyrite - A 1 cm. carb veinlet i 392.7 393.6 0.9 0.02 iat lower contact.</li> <li>393.6- 423.41BASALT - Fine grained, dark grey &amp; massive - Numerous i iminute qtz-carb fracture fillings @ 50 CA - Very i inarrow syenite intrusions fill some fractures - Few i Vugs with pyrite - Lower contact has 25 cms. epidote i iselvedge.</li> <li>423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive i IContact CA's 45.</li> </ul>	1357.5 - Quartz-Carbonate Vein.	1				ļ				
<ul> <li>371.1- 372.5:SYENITE - Medium grained, pink &amp; massive - Magnetic - 1 iContact CA's 45 - Narrow qtz-carb veinlet at top &amp; 1 ibottom is brecciated.</li> <li>372.5- 391.1:BASALT - Fine grained, black &amp; massive - Narrow brec- iciated sections - Numerous qtz-carb veinlets &amp; strin- igers within fracture pattern - Occasional symite idykes 9 45.</li> <li>391.1- 393.6:INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized: 3520</li> <li>391.1- 393.6:INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized: 3520</li> <li>391.1- 393.6: 0.9</li> <li>0.005</li> <li>14 inwer contact.</li> <li>393.6- 423.4:BASALT - Fine grained, dark grey &amp; massive - Numerous i isinute qtz-carb fracture fillings 9 50 CA - Very i inarrow symite intrusions fill some fractures - Few i ivugs with pyrite - Lower contact has 25 cms. epidote i iselvedge.</li> <li>423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive i iContact CA's 45.</li> </ul>	(368.0-368.6 - Svenite cemented preccia.	1								
IContact CA's 45 - Narrow qtz-carb veinlet at top & Ibottom is brecciated. 372.5- 391.11BASALT - Fine grained, black & massive - Narrow brec- Iciated sections - Numerous qtz-carb veinlets & strin- Igers within fracture pattern - Occasional syenite Idykes @ 45. 391.1- 393.6/INTERFLOW SEDIMENT - Fine grained, grey & carbonatized S520 391.1 392.7 1.6 10.005 Imineralized with 10-15% pyrite - A 1 cm. carb veinlet 1 392.7 393.6 0.9 10.02 Iat lower contact. 393.6- 423.4/BASALT - Fine grained, dark grey & massive - Numerous Iminute qtz-carb fracture fillings @ 50 CA - Very Inarrow syenite intrusions fill some fractures - Few Ivugs with pyrite - Lower contact has 25 cms. epidote Iselvedge. 423.4- 424.9(SYENITE - PORPHYRITIC - Coarse grained, pink & massivel IContact CA's 45.	371.1- 372.5:SYENITE - Medium grained, pink & massive - Magnetic -	1				l				
<ul> <li>Ibottom is brecciated.</li> <li>372.5- 391.11BASALT - Fine grained, black &amp; massive - Narrow brec- iciated sections - Numerous qtz-carb veinlets &amp; strin- igers within fracture pattern - Occasional symite idykes 0 45.</li> <li>391.1- 393.6/INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized 3520 391.1 392.7 1.6 1 0.005 Mineralized with 10-15% pyrite - A 1 cm. carb veinlet 1 392.7 393.6 0.9 1 0.02 lat lower contact.</li> <li>393.6- 423.4/BASALT - Fine grained, dark grey &amp; massive - Numerous manue qtz-carb fracture fillings 0 50 CA - Very inarrow symite intrusions fill some fractures - Few ivugs with pyrite - Lower contact has 25 cms. epidote iselvedge.</li> <li>423.4- 424.9/SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive iContact CA's 45.</li> </ul>	Contact CA's 45 - Narrow otz-carb veinlet at top &	1				1				
<ul> <li>372.5- 391.11BASALT - Fine grained, black &amp; aassive - Narrow brec- iciated sections - Numerous qtz-carb veinlets &amp; strin- igers within fracture pattern - Occasional symite idykes 9 45.</li> <li>391.1- 393.61INTERFLOW SEDIMENT - Fine grained, grey &amp; carbonatized! 3520 391.1 392.7 1.6 1 0.005 iMineralized with 10-15% pyrite - A 1 cm. carb veinlet 1 392.7 393.6 0.9 1 0.02 iat lower contact.</li> <li>393.6- 423.41BASALT - Fine grained, dark grey &amp; massive - Numerous iminute qtz-carb fracture fillings 9 50 CA - Very inarrow symite intrusions fill some fractures - Few ivugs with pyrite - Lower contact has 25 cms. epidote iselvedge.</li> <li>423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink &amp; massive iContact CA's 45.</li> </ul>	bottom is brecciated.	1				ł				
Iciated sections - Numerous qt2-carb veinlets & strin- Igers within fracture pattern - Occasional syenite Idykes 0 45. 391.1- 393.6/INTERFLOW SEDIMENT - Fine grained, grey & carbonatized/ 3520 391.1 392.7 1.6 0.005 Mineralized with 10-15% pyrite - A 1 cm. carb veinlet 1 392.7 393.6 0.9 0.02 Iat lower contact. 393.6- 423.4/BASALT - Fine grained, dark grey & massive - Numerous I Iminute qt2-carb fracture fillings 0 50 CA - Very Inarrow syenite intrusions fill some fractures - Few Ivugs with pyrite - Lower contact has 25 cms. epidote Iselvedge. 423.4- 424.9/SYENITE - PORPHYRITIC - Coarse grained, pink & massivel Icontact CA's 45.	372.5- 391.1:BASALT - Fine grained, black & massive - Narrow brec-	1				ł				
Igers within fracture pattern - Occasional syenite Idykes 0 45. 391.1- 393.6!INTERFLOW SEDIMENT - Fine grained, grey & carbonatized! 3520 Mineralized with 10-15% pyrite - A 1 cm. carb veinlet   1 392.7 393.6 0.9   0.02 Iat lower contact. 393.6- 423.4!BASALT - Fine grained, dark grey & massive - Numerous   Iminute qtz-carb fracture fillings 0 50 CA - Very Inarrow syenite intrusions fill some fractures - Few Ivugs with pyrite - Lower contact has 25 cms. epidote Iselvedge. 423.4- 424.9!SYENITE - PORPHYRITIC - Coarse grained, pink & massive Icontact CA's 45.	iciated sections - Numerous otz-carb veinlets & strin-	:				ł				
idykes @ 45 . 391.1- 393.6 INTERFLOW SEDIMENT - Fine grained, grey & carbonatized: 3520 391.1 392.7 1.6 0.005 Nineralized with 10-15% pyrite - A 1 cm. carb veinlet   1 392.7 393.6 0.9   0.02 lat lower contact. 393.6- 423.4:BASALT - Fine grained, dark grey & massive - Numerous   minute qtz-carb fracture fillings @ 50 CA - Very   inarrow syenite intrusions fill some fractures - Few   lvugs with pyrite - Lower contact has 25 cms. epidote   iselvedge. 423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained, pink & massive   lContact CA's 45.	loers within fracture pattern ~ Occasional svenite	1				ł				
391.1- 393.6/INTERFLOW SEDIMENT - Fine grained, grey & carbonatized/ 3520       391.1       392.7       1.6       10.005         Mineralized with 10-15% pyrite - A 1 cm. carb veinlet   1       392.7       393.6       0.9       0.02         1at lower contact.       1       392.7       393.6       0.9       0.02         393.6- 423.41BASALT - Fine grained, dark grey & massive - Numerous         1       1       1       1         393.6- 423.41BASALT - Fine grained, dark grey & massive - Numerous         1       1       1       1         iminute qtz-carb fracture fillings @ 50       CA - Very         1       1       1         inarrow syenite intrusions fill some fractures - Few       1       1       1       1         ivugs with pyrite - Lower contact has 25 cms. epidote       1       1       1       1         423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink & massivel       1       1       1       1	dykes 2 45 .	t								
IMineralized with 10-15% pyrite - A 1 cm. carb veinlet   1       392.7       393.6       0.9       0.02         Iat lower contact.       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       CA - Very       Iminute qtz-carb fracture fillings a 50       Iminute qtz-carb fracture fillings a fillings	391.1- 393.6:INTERFLOW SEDIMENT - Fine prained, prev & carbonatized	3520	391.1	392.7	1.6	1 0.00	5			
Iat lower contact.       Image: State of the state of th	Mineralized with 10-15% ovrite - A 1 cm. carb veinlet	1	392.7	393.6	0.9	1 0.02	-			
393.6-423.41BASALT - Fine grained, dark grey & massive - Numerous         1         #minute qtz-carb fracture fillings @ 50 CA - Very         1         Inarrow syenite intrusions fill some fractures - Few         1         Ivugs with pyrite - Lower contact has 25 cms. epidote         1         Iselvedge.       1         423.4-424.91SYENITE - PORPHYRITIC - Coarse grained, pink & massive         1	lat lower contact.	1				1				
Iminute qtz-carb fracture fillings @ 50 CA - Very       Iminute qtz-carb fracture fillings @ 50 CA - Very         Inarrow syenite intrusions fill some fractures - Few       Iminute qtz-carb fracture fillings @ 50 CA - Very         Ivugs with pyrite - Lower contact has 25 cms. epidote       Iminute qtz-carb fracture fillings         Ivugs with pyrite - Lower contact has 25 cms. epidote       Iminute qtz-carb fracture fillings         Iselvedge.       Iminute qtz-carb fracture fillings         423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink & massivel       Iminute qtz-carb fracture fillings         Icontact CA's 45 .       Iminute qtz-carb fracture fillings	393.6- 473.4:RASALT - Fine grained, dark grey & massive - Numerous	ł				ł				
inarrow syenite intrusions fill some fractures - Few lyugs with pyrite - Lower contact has 25 cms. epidote iselvedge. 423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained, pink & massivel IContact CA's 45.	lainute otz-carb fracture fillinos 2 50 CA - Verv	1				·				
lvugs with pyrite - Lower contact has 25 cms. epidote    selvedge. 423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained, pink & massive!  Contact CA's 45.	inarrow svenite intrusions fill some fractures - Few					i				
Iselvedge. 423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained, pink & massivel IContact CA's 45 .	lyuns with pyrite - Lower contact has 25 cms. enidate					i.				
423.4- 424.91SYENITE - PORPHYRITIC - Coarse grained, pink & massivel  Contact CA's 45 .	iselvedae.					Ì				
I Contact CA's 45 .	423.4- 424.9:SYENITE - PORPHYRITIC - Coarse grained. pink & massive	1				Ì				
	lContact CA's 45 .	1				Î				

.

FOULAGE       LITHOLOGY       SAMPLE       ASSAYS         FOULAGE       NUMBER       FROM       TOTAL       FAU-72       Ag-02       Cu-2       Zn-X       Pb-2         1011       Saterial with such epidote       Cover 2       Saterial with such epidote       Saterial with s	HOLE NUMBER: H-84-5	*****		******			Sł	IEET NO. 3	of 3
NUMBER         FROM         TO         TOTAL         FAU-02         Ag-02         Du-1         Zn-2         Pb-2           111111111111111111111111111111111111	FOOTAGE ! LITHOLOGY !	*******	SAM	PLE	********	1	••••••• 4	SSAYS	
111111111111111111111111111111111111		NUMBER	FROM	TO	TOTAL	l Au-OZ	Ag-DZ	Cu-X Zn-	7. Pb-7
<pre>424.9 - 432.0 HASALT - Fine grained, grey green &amp; mostly selvedge   3532 424.9 426.5 1.6   0.01   material with much epidote &amp; carbonate - Lower contact 3 426.5 427.4 0.9   0.01   indistict &amp; based on magnetic susceptibility - Numer : 4 427.4 428.4 1.0   0.005   lows gtr-carb stringers in fractures. : 5 428.4 429.1 0.7   0.145   1428.6 - Interflow sediment with 5-101 pyrite.   3537 431.3 432.0 0.7   0.02 432.0 - 444.6 INTERFLOW SEDIMENT - Fine grained, grey, fractured,   3338 432.0 433.5 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 433.6 433.6 1.6   0.002 HALE CARDONIZE - Much selvedge material - 9 434.5 434.6 40.7   0.02 HALE CARDONIZE - Much selvedge - Minor + 1 436.4 434.7 1.1   0.02 HALE CARDONIZE - Fine grained, green - Breccia Ione - Slightly HALE - 453.7 440.7 440.7 1.0   0.05  )                                    </pre>		*******	*******	******	K & # # # # # # # # # # # # # # # # # #	*******	*****	*******	*****
<pre>laaterial with much epidote &amp; carbonate - Lower contact1 3 426.5 427.4 0.9 (0.01 lindistict &amp; based on magnetic susceptibility - Numer-1 4 427.4 428.4 1.0 (0.005) lous qtz-carb stringers in fractures. 1 5 428.4 429.1 0.7 (0.145) 1428.6 - Interlow sediems with 5-102 pyrite. 1 3337 431.3 432.0 0.7 (0.02) 432.0 - 444.61INTERFLOW SEDIMENT - Fine grained, grey, fractured, 13338 432.0 433.6 1.6 (0.002) lorecciated &amp; carbonatized - Much selvedge material - 1 9 433.6 343.5 0.9 (0.03) Houerous qtz-carb &amp; symite veinlets with irregular 40 434.5 434.5 0.9 (0.02) Houerous qtz-carb &amp; symite veinlets with irregular 40 434.5 434.5 0.9 (0.02) locatacts &amp; CA's - Minor pyrite. 1 436.6 438.5 1.9 (0.02) li 1 436.6 438.5 1.9 (0.02) li 1 44.6 442.0 1.6 (0.005) li 1 4 440.4 442.0 1.6 (0.005) li 1 3 439.7 440.4 0.7 (0.02) 444.6 453.31INTERFLOW SEDIMENT - Fine grained, grey &amp; brecciated - 13523 444.6 445.9 1.3 (0.03) Well mineralized with pyrite (10-152) in short sec- 1 4 445.9 1.3 (0.03) Well mineralized with pyrite (10-152) in short sec- 1 4 445.9 1.3 (0.03) Well mineralized with pyrite (10-152) in short sec- 1 4 445.9 1.1 (0.02 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - Bot 1 5 447.2 448.3 1.1 (0.03 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.03 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.03 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.03 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.03 H))) 0.100/6.1' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.03 H)) 0.097/7.4' Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.05 H)) Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.05 H)) Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.06 H)) Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.06 H)) Itoms to n fracture patter - No magnetite - 8 448.3 449.7 1.4 (0.06 H)) Ito</pre>	424.9- 432.0/BASALT - Fine grained, grey green & mostly selvedge	3532	424.9	426.5	1.6	1 0.01			
<pre>indistict &amp; based on magnetic succeptibility - Numer-   4 422.4 422.4 1.0   0.005   lous qtr-rarb stringers in fractures.   5 428.4 429.1 0.7   0.145   1426.7-427.4 - Syenite dyte.   6 429.1 431.3 2.2   0.005   0.030/3.9' 1428.6 - Interflow sediment with 5-102 pyrite.   3337 431.3 432.0 0.7   0.02 432.0 - 444.6 INTERFLOW SEDINENT - Fine grained, grey, fractured   4 434.5 433.6 0.9   0.04 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets with irregular   4 435.6 438.5 1.9   0.02 Numerous qtr-carb &amp; syenite veinlets if 1 4 440.4 442.0 1.6   0.005 Numerous qtr-carb &amp; syenite veinlets if 1 4440.4 442.0 1.6   0.005 Numerous qtr-carb &amp; spenite - 16 4440.4 442.0 1.6   0.005 Numerous qtr-carb &amp; sagnetic - 16 4445.9 447.2 1.3   0.08 N) Numerous qtr-carb &amp; sagnetic - 16 4445.9 447.2 1.3   0.08 N) Numerous qtr-carb &amp; sagnetic - 16 4445.9 447.2 1.3   0.08 N) Numerous qtr-carb &amp; sagnetic - 16 4445.9 447.2 1.4   0.03 N) 0.107/6.1' Numerous qtr-carb &amp; sagnetic - 16 4445.9 447.2 1.4   0.03 N) 0.107/7.4' Numerous qtr-carb &amp; sagnetic - 16 445.9 450.7 1.0   0.05 N) 1 Numerous qtr-carb &amp; sagnetic - 16 445.9 450.7 1.0   0.05 N) 1 Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.0   0.05 N) 1 Numerous qtr-carb &amp; sagnetic - 16 144.5 45.9 1.1   0.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.4   0.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.4   0.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.4   0.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.4   0.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445.9 450.7 1.4   10.02 10 0.080/9.7' Numerous qtr-carb &amp; sagnetic - 16 1445</pre>	<pre>lmaterial with much epidote &amp; carbonate - Lower contact!</pre>	3	426.5	427.4	0.9	1 0.01			
lous giz-carb stringers in fractures. 1426.7-427.4 - Syenite dyte. 1428.6 - Interflow sedient with 5-10% pyrite. 1428.6 - Interflow sedient with selvedge asterial - 9 143.6 433.6 1.6 10.00% 1000 100	lindistict & based on magnetic susceptibility - Numer-	4	427.4	428.4	1.0	1 0.005	)		
1426 1427.4 - Syenite dyke.       1       6       429.1       431.3       2.2       10.005       0.030/3.9'         432.0- 444.61NTERFLOW SEDIMENT - Fine grained, grey, fractured, 1333       432.0       433.6       1.6       10.002         bracciated & carbonatized - Much selvedge material - 1       9       433.6       434.5       0.9       10.02         contacts & CA's - Minor pyrite.       1       135.6       435.5       1.9       10.02         icontacts & CA's - Minor pyrite.       1       136.6       438.5       1.9       10.02         i       1       3       439.7       1.2       10.03       10.02         i       1       3       440.4       442.0       1.6       10.005         i       1       3       442.0       1.6       10.005       1.005         i       1       30.7       1.4       0.03       1.0       1.006       1.001.10/6.1'         i	lous qtz-carb stringers in fractures.	5	428.4	429.1	0.7	1 0.145	)		
<pre>1428.6 - Interflow sediment with 5-10% pyrite.   3337 431.4 432.0 0.7 ! 0.02 432.0 - 444.61 NTERFLOW SEDIMENT - Fine grained, grey, fractured, 1338 432.0 433.6 1.6 ! 0.002 Ibrecciated carbonatized - Much selvedge material - ! 9 433.6 438.5 0.9 ! 0.04 Numerous qtz-carb &amp; synite veinlets with irregular ! 40 434.5 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.02 i contacts &amp; CA's - Minor pyrite. ! 1 436.6 438.5 1.9 ! 0.005 i contacts &amp; CA's - Minor pyrite. ! 1 437.2 445.9 447.2 ! 0.9 ! 0.005 i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 448.5 ! 0.0 ! 0.08 ! ) ! i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 448.4 442.9 ! 0.0 ! 0.05 ! ) ! i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 448.4 445.9 ! 1.1 ! 0.05 ! ) ! i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 448.5 ! 0.0 ! 0.08 ! ) ! i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 448.5 ! 0.0 ! 0.08 ! ) ! i contacts &amp; 25 CA's have narrow qtz-carb veinlets - ! 6 445.9 ! 1.4 ! 0.05 ! ) ! ! i contacts &amp; CA's have narrow qtz-carb veinlets - ! 6 445.9 ! 1.0 ! 0.02 ! 0.080/9.7' 453.3 ! 453.3 ! 453.3 ! . ! ! 0.05 ! ) ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !</pre>	1426.7-427.4 - Syenite dyke.	6	429.1	431.3	2.2	1 0.005	)	0.030/3.9	<b>b</b>
<pre>432.0- 444.61INTERPLOW SEDIMENT - Fine grained, grey, fractured,   333B 432.0 433.6 1.6   0.002</pre>	1428.6 - Interflow sediment with 5-10% pyrite.	3537	431.3	432.0	0.7	0.02			
ibreciated & carbonatized - Much selvedge saterial -   9       433.5       433.6       433.5       0.9       0.04         Mumerous qtz-carb & syenite veinlets with irregular       40       434.5       436.6       2.1       10.03         icontacts & CA's - Minor pyrite.       1       1436.6       438.5       1.9       10.02         i       1       345.6       439.7       10.2       10.03         i       1       436.4       442.0       1.6       10.005         i       1       3545       442.0       1.6       10.005         i       13545       442.0       1.6       10.005         i       13545       442.0       1.6       10.005         i       13545       442.0       1.6       10.001         i       13547       442.0       1.6       10.002         i       13547       442.0       1.6       10.002         i       13547       442.0       442.9       1.3       10.003         i       10       i       1.0       1.0       1.0       1.0         i       10       i       1.0       1.0       1.0       1.0       1.0         icontacts & 55	432.0- 444.6!INTERFLOW SEDIMENT - Fine grained, grey, fractured,	3538	432.0	433.6	1.6	1 0.002			
Numerous qtz-carb & syenite veinlets with irregular       40       434.5       434.5       434.5       2.1       10.03         icontacts & CA's - Minor pyrite.       1       434.6       438.5       1.9       10.02         i       2       438.5       439.7       1.2       10.03         i       3       439.7       440.4       0.7       10.02         i       4       440.4       442.0       1.6       10.005         i       1.5545       442.0       1.6       10.005         i       1.5545       442.9       444.6       1.7       10.002         identities on fracture pattern - No magnetite - Both       5522       442.9       444.6       445.9       43.5       30.08       )))         itons to nfracture pattern - No magnetite - Both       5       447.2       1.3       10.002       ))         itons to nfracture pattern - No magnetite - State       6       448.3       449.7       1.4       10.033       )))       0.100/6.1'         itons to nfracture pattern - No magnetite - State       6       448.3       449.7       1.4       10.03       )))       0.100/6.1'         itons to nfracture pattern - No magnetite - Both       5       447.2       18.3 </td <td><pre></pre></td> <td>9</td> <td>433.6</td> <td>434.5</td> <td>0.9</td> <td>1 0.04</td> <td></td> <td></td> <td></td>	<pre></pre>	9	433.6	434.5	0.9	1 0.04			
<pre> icontacts &amp; CA's - Minor pyrite.</pre>	Numerous qtz-carb & syenite veinlets with irregular	40	434.5	436.6	2.1	0.03			
<pre>     i 2 438.5 439.7 1.2   0.03     i 3 439.7 440.4 0.7   0.02     i 4 440.4 442.0 1.6   0.005     i 5352 442.0 442.9 0.9   0.005     i 5352 442.0 442.9 0.9   0.005     i 5352 442.9 444.6 1.7   0.002     i 1 1 1 0.02     i 1 1 1 0.03     i 1 0.03     i 1 0.00     i 0.00     i 0.00     i 1 0     i 1 0.00     i /pre>	lcontacts & CA's - Ninor pyrite.	1	436.6	438.5	1.9	0.02			
<pre></pre>		2	438.5	439.7	1.2	0.03			
<pre></pre>		3	439.7	440.4	0.7	1 0.02			
<pre>444.6- 453.3 iNTERFLOW SEDIMENT - Fine grained, grey &amp; brecciated - 1 3522 444.6 442.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 445.9 444.6 1.7 1.0.002 444.6 445.9 447.2 1.3 1.0.00 10.0 10.0 10.0 10.0 10.0 10.</pre>		4	440.4	442.0	1.6	1 0.005			
<pre>i 3322 442.9 444.6 1.7 i 0.002 444.6 453.31INTERFLOW SEDIMENT - Fine grained, grey &amp; breciated I 3523 444.6 445.9 1.3 i 0.03 ) Nell mineralized with pyrite (10-152) in short sec- i 445.9 447.2 1.3 i 0.08 ))) itions &amp; on fracture pattern - No magnetite - Both i 5 447.2 448.3 1.1 i 0.28 ))) 0.100/6.1' icontacts 4 55 CA's have narrow qtz-carb veinlets - i 6 448.3 449.7 1.4 i 0.03 ))) 0.119/3.8' iLower 10 cms. has an aggregate of pyrite cubes. i 7 449.7 450.7 1.0 i 0.05 )) i i B 450.7 451.8 1.1 i 0.05 )) i i B 450.7 451.8 1.1 i 0.05 )) i i B 450.7 451.8 1.1 i 0.05 )) i i B 450.7 451.8 1.1 i 0.05 )) i i B 450.7 451.8 1.1 i 0.05 )) i i B 453.3 0.5 i 0.155 )) 0.097/7.4' i 30 452.8 453.3 0.5 i 0.155 )) 0.097/7.4' i 353 452.8 1.0 i 0.02 i 0.080/9.7' 453.3- 462.11BASALT - Fine grained, green - Breccia Zone - Slightly: i carbonatized with very little pyrite - Rock flooded i 3555 454.3 457.7 3.4 i 0.005 with qtz-carb. i 3554 457.7 462.1 4.4 i NIL i 457.7 Fault Bouge. i 462.1- 492.11BASALT - Fine grained, ark greem &amp; marri i row sections of qtz-carb-epidote selvedge - Minor i pyrite and no magnetite. i END OF HOLE i 26 Core Boxes 33 Samples i i i i i i i i i i i i i i i i i i i</pre>		3545	442.0	442.9	0.9	: 0.005	i		
444.6-453.3!INTERFLOW SEDIMENT - Fine grained, grey & brecciated-13523       444.6       445.9       1.3       ! 0.03 )         Nell aineralized with pyrite (10-15%) in short sec-1       4       445.9       447.2       1.3       ! 0.08 )))         itions & on fracture pattern - No magnetite - Both       5       447.2       448.3       1.1       ! 0.28       ))))       0.100/6.1'         icontacts @ 55       CA's have narrow qtz-carb veinlets -       6       448.3       449.7       1.4       ! 0.03       ))))       0.119/3.8'         ilower 10       cms. has an aggregate of pyrite cubes.       :7       449.7       451.8       1.1       ! 0.05       ))         i       :8       450.7       451.8       1.1       ! 0.05       ))         i       :9       451.8       452.8       1.0       ! 0.08       ))         i       :30       452.8       453.3       0.5       ! 0.155       ))       0.097/7.4'         i       :30       452.8       453.3       0.5       ! 0.02       )       0.080/9.7'         i       :30       452.8       453.3       1.0       ! 0.002       )       0.080/9.7'         i       :30       3553       455.4       457.7<	1	3522	442.9	444.6	1.7	0.002			
Well mineralized with pyrite (10-152) in short sec-       4       445.9       447.2       1.3       1 0.08       1))         Itions & on fracture pattern - No magnetite - Both       5       447.2       448.3       1.1       1 0.28       1)))       0.100/6.1'         Icontacts @ 55       CA's have narrow qt2-carb veinlets -       6       448.3       449.7       1.4       1 0.03       1)))       0.100/6.1'         Icontacts @ 55       CA's have narrow qt2-carb veinlets -       6       448.3       449.7       1.4       1 0.03       1)))       0.119/3.8'         Icower 10 cms. has an aggregate of pyrite cubes.       1       7       449.7       451.8       1.1       1 0.05       1)         I       B       450.7       451.8       1.1       1 0.05       1)       1         I       9       451.8       452.8       453.3       0.5       1 0.055       1)       0.097/7.4'         I       30       452.8       453.3       454.3       1.0       1 0.02       0.080/9.7'         Itabsnatized with very little pyrite - Rock flooded       I 3554       454.3       457.7       3.4       1 0.005         Iwith qtz-carb.       I 3554       457.7       462.1       4.4       1 NI	444.6- 453.3:INTERFLOW SEDIMENT - Fine grained, grey & brecciated- !	3523	444.6	445.9	1.3	1 0.03	)		
itions & on fracture pattern - No magnetite - Both       5       447.2       448.3       1.1       ! 0.28       )))       0.100/6.1'         icontacts & 55       CA's have narrow qtz-carb veinlets -       6       448.3       449.7       1.4       ! 0.03       )))       0.119/3.8'         iLower 10 cms. has an aggregate of pyrite cubes.       17       449.7       450.7       1.0       ! 0.05       ))         i       8       450.7       451.8       1.1       ! 0.05       ))         i       9       451.8       452.8       1.0       ! 0.08       ))         i       30       452.8       453.3       0.5       ! 0.155       ))       0.097/7.4'         i       30       452.8       453.3       0.5       ! 0.155       ))       0.097/7.4'         i       30       452.8       453.3       0.5       ! 0.100/5       !         icarbonatized with very little pyrite - Rock flooded       ! 3553       454.3       457.7       3.4       ! 0.005         iwith qtz-carb.       ! 3554       457.7       462.1       4.4       ! NIL         !462.1- 492.1!BASALT - Fine grained, dark green & massive - Few nar-i       !       !       !       !	Well mineralized with pyrite (10-152) in short sec-	4	445.9	447.2	1.3	1 0.0B	)))		
<pre>     (contacts @ 55 CA's have narrow qtz-carb veinlets - ! 6     448.3 449.7 1.4 ! 0.03 ))) 0.119/3.8'     lower 10 cms. has an aggregate of pyrite cubes. ! 7     449.7 450.7 1.0 ! 0.05 )) )     1     1     8 450.7 451.8 1.1 ! 0.05 )) )     1     9 451.8 452.8 1.0 ! 0.08 )) )     1     30 452.8 453.3 0.5 ! 0.155 )) 0.097/7.4'     3531 453.3 454.3 1.0 ! 0.02 ) 0.080/9.7'     453.3 - 462.1!BASALT - Fine grained, green - Breccia Zone - Slightly!     icarbonatized with very little pyrite - Rock flooded ! 3553 454.3 457.7 3.4 ! 0.005     lwith qtz-carb.     1457.2 &amp; 457.7 Fault Bouge.     462.1- 492.1!BASALT - Fine grained, dark green &amp; massive - Few nar-!     irow sections of qtz-carb-epidote selvedge - Minor     ipyrite and no magnetite.         1         END OF HOLE     1   26 Core Boxes 33 Samples     1 </pre>	<pre>tions &amp; on fracture pattern - No magnetite - Both</pre>	5	447.2	448.3	1.1	; 0.28	))))	0.100/6.1	3
Lower 10 cms. has an aggregate of pyrite cubes.       7       449.7       450.7       1.0       10.05       1)         I       B       450.7       451.8       1.1       10.05       1)         I       9       451.8       452.8       1.0       10.08       1)         I       30       452.8       453.3       0.5       10.155       1)       0.097/7.4'         I       30       452.8       453.3       1.0       10.02       0.080/9.7'         I       331       453.3       454.3       1.0       10.05       1         I       I       30       452.8       457.7       3.4       10.005       0.080/9.7'         I       I       I       304       457.7       3.4       10.005       0.080/9.7'         I       I       I       I       I       IIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	lcontacts ∂ 55 CA's have narrow qtz-carb veinlets -	6	448.3	449.7	1.4	0.03	))))	0.119/3.8	3'
Image: Bit of the set of	Lower 10 cms. has an aggregate of pyrite cubes.	7	449.7	450.7	1.0	1 0.05	))))		
i       9       451.8       452.8       1.0       1       0.08       ))         i       30       452.8       453.3       0.5       1       0.155       ))       0.097/7.4'         453.3       452.1       453.3       0.5       1       0.02       0.080/9.7'         453.3       452.1       453.3       454.3       1.0       1       0.02       0.080/9.7'         453.3       457.7       457.7       3.4       1       0.005       1		B	450.7	451.8	1.1	1 0.05	))))		
i       30       452.8       453.3       0.5       0.155 )) ) 0.097/7.4'         i       3531       453.3       454.3       1.0       0.02 ) 0.080/9.7'         453.3-462.11BASALT - Fine grained, green - Breccia Zone - Slightly:       -       -       -         icarbonatized with very little pyrite - Rock flooded       3553       454.3       457.7       3.4       0.005         iwith qtz-carb.       13554       457.7       462.1       4.4       NIL         i457.2 & 457.7 Fault Bouge.       1       -       -       -         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-1       -       -       -         irow sections of qtz-carb-epidote selvedge - Minor       -       -       -         ipyrite and no magnetite.       -       -       -       -         END OF HOLE       -       -       -       -         26 Core Boxes       33 Samples       -       -       -       -		9	451.8	452.8	1.0	1 0.08	)) )		
1       3531       453.3       454.3       1.0       0.02       0.080/9.7'         453.3- 462.11BASALT - Fine grained, green - Breccia Zone - Slightly!       1       1       1       1         icarbonatized with very little pyrite - Rock flooded       3553       454.3       457.7       3.4       0.005         iwith qtz-carb.       13554       457.7       462.1       4.4       NIL         1457.2 & 457.7 Fault Bouge.       1       1       1       1         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-1       1       1       1         irow sections of qtz-carb-epidote selvedge - Minor       1       1       1         ipyrite and no magnetite.       1       1       1       1         i       END OF HOLE       1       1       1       1         1       26 Core Boxes       33 Samples       1       1       1       1	1	30	452.8	453.3	0.5	1 0,155	5)))	0.097/7.4	ł,
453.3-462.11BASALT - Fine grained, green - Breccia Zone - Slightly!       1         icarbonatized with very little pyrite - Rock flooded       3553       454.3       457.7       3.4       0.005         lwith qtz-carb.       3554       457.7       462.1       4.4       NIL         1457.2 & 457.7 Fault Bouge.       1       1       1       1         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-1       1       1       1         irow sections of qtz-carb-epidote selvedge - Minor       1       1       1         ipyrite and no magnetite.       1       1       1       1         i       END OF HOLE       1       1       1       1         1       26 Core Boxes       33 Samples       1       1       1	}	3531	453.3	454.3	1.0	0.02	)	0.080/9.7	<b>,</b> ,
Icarbonatized with very little pyrite - Rock flooded       3553       454.3       457.7       3.4       0.005         Iwith qtz-carb.       1       3554       457.7       462.1       4.4       NIL         1457.2 & 457.7 Fault Bouge.       1       1       1       1         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-1       1       1       1         1row sections of qtz-carb-epidote selvedge - Minor       1       1       1         Ipyrite and no magnetite.       1       1       1         1       END OF HOLE       1       1       1         1       26 Core Boxes       33 Samples       1       1	453.3- 462.11BASALT - Fine grained, green - Breccia Zone - Slightly	ł				ł			
Iwith qtz-carb.       3554       457.7       462.1       4.4       NIL         1457.2 & 457.7 Fault Bouge.       1       1       1       1         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-1       1       1       1         1row sections of qtz-carb-epidote selvedge - Minor       1       1       1         Ipyrite and no magnetite.       1       1       1         1       END OF HOLE       1       1       1         26 Core Boxes       33 Samples       1       1       1	carbonatized with very little pyrite - Rock flooded	3553	454.3	457.7	3.4	1 0.005	5		
1457.2 & 457.7 Fault Bouge.       1         462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-line with the set of	lwith qtz-carb.	3554	457.7	462.1	4.4	I NIL			
462.1- 492.11BASALT - Fine grained, dark green & massive - Few nar-line       1         Irow sections of qtz-carb-epidote selvedge - Minor       1         Ipyrite and no magnetite.       1         I	1457.2 & 457.7 Fault Bouge.	}				1			
row sections of qtz-carb-epidote selvedge - Minor pyrite and no magnetite. END OF HOLE 26 Core Boxes 33 Samples	462.1- 492.1:BASALT - Fine grained, dark green & massive - Few nar-	l				ţ			
Pyrite and no magnetite.	from sections of qtz-carb-epidote selvedge - Minor	ł				ł			
END OF HOLE 26 Core Boxes 33 Samples	pyrite and no magnetite.	1				1			
END OF HOLE 26 Core Boxes 33 Samples		ł				ł			
END OF HOLE 26 Core Boxes 33 Samples	}	1							
L END OF HOLE L L 26 Core Boxes 33 Samples L L		t				1			
1 26 Core Boxes 33 Samples 1	END OF HOLE	ł				ł			
	26 Core Boxes 33 Samples	ł				ł			

$\bullet$				SHEET NO. 1 of 2
IAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION   FOOTAGE	DIP	AZIMUTH	HOLE NUMBER:	H-84-9
ULE NUMBER: H-84-9 LENGTH: 512.0' COIlar	-58*	320	REMARKS: Attem	pt to intersect Main Ione at
ATITUDE, 3 A AA C DECADTUDE, 10 A AA W /	-39.	\$2 <i>1</i> ~	i 3/5'	Level.
STRUCC: 3 TO 3 DEFRICE: 12 TO W 1			) #	
TARTED: July 27, 1984. FINISHED: August 1, 1984.			CORE S17F+ RO	= 1 7/168
RILLED BY:St. Lambert Drilling Co., Ltd., Vallevfield.P.Q.			LOGGED BY: Wal	ter H. Thomason & A.J. Troon.
***************************************		*****	************	***********************
FOOTAGE ; LITHOLOGY	1	SAMP	LE	ASSAYS
	I NUMBER	FROM	TO TOTAL	Au-07 Ag-07 Cu-7 In-7 Pb-7
		*******	************	*************************
000.0- 5.0/DVERBURDEN - Mud & muskeg.				1
D.V- IB.V.BASALI - FINE GRAINED, CARK GREY & MASSIVE - FEW VEIN-	i 1			1
siels of quirtais Wiless (Hall 40 th - Octasional ser-	1 1			i 1
18.0~ 25.5(RASALT RRECCIA - Medium orained, mottled oreen & mas-	1			1
isive - Few otz-carb-epidote veinlets with 30° CA's.	1			r 
25.5- 50.5/BASALT - Fine grained, dark grey to black & massive -	1			1
Occasional med. grained section - Scattered pyrite	1			
foccasionally up to 2% - Few very minute gtz-carb vein-	·¦			1
llets for several cms Gradational contact with next	1			1
(section.	ł			}
50.5- 91.2:BASALT - Fine to medium grained, dark grey to mottled	1			\$ 1
lgreen & massive - Similar to section 25.5-50.5 except	1			
for med. grained sections - Scattered qtz-carb-epid	1			
iveinlets - 2 68.9' a 8 cm. breccia zone with a 60' CA-	1			5
STITCTTED ZORES FROM 87.8 to 90.3 and 90.9 to 91.2".	i 1		,	1
This observe stringers 2 40% CA - Narrow DV parallal	i 1			i •
to core from 115.4-118.12	1			1 2
127.0- 129.2:SYENITE PORPHYRY - Medium prained, redish pink & mas-	1			2
isive - Contact CA's 45',	}			• •
129.2- 144.0;BASALT - Medium grained, dark green & massive-Several	1			1
inarrow breccia zones - Very little fracturing with	1			1
lqtz-carb fillings - Syenite Porphyry dykes @ 130.4-	}			ł
131.8, 134.3-134.7, & 137.8-138.4' are epidotized &	1			1
¦exhibit minor qtz-carb veining.	1			
144.0- 168.21BASALT - Fined grained, black, dense & slightly brec-	1	,		
iciated - Few qtz-carb fracture fillings @ 70° CA.				
168.2- 1/3.0;BASHLI - Fine grained, blackish-green & dense - Per-	i 1			
vasive caroomatization & thin ytz-taro tracture tii-	1			j 1
: 170.6 - 7 rm. ntz-rarb znne.	1			1
175.0- 179.3:BASALT - Similar to section 144.0-168.2.				
179.3- 195.41BASALT - Coarse grained, greenish black & massive -	1			1
Somewhat altered especially feldspars - Numerous qtz-	ł			1
lepidote veinlets with 45' CA's - Gradational contact	1			
with next section.	ł .			1
195.4- 232.1:BASALT - Fine to medium grained, greenish-black, mas-	1			
sive & dense - Med. grained phase has pseudo-diabasic	1			
texture - Top metre has pervasive carbonatization -	i 1			1
¦⊁ew qtz-carb veinlets 0 45° CA's.   223 2-224 € - 2i 2	i ,			1
i 223.2-224.3 - BFRECIB LORE	3 1			1 1
- 202.1- 2/0.VIDHOHLI - FINE GRAINED, DIACKISN-GREEN & DENSE - FEN	1	`		\$ 3
iminute yta-carb veintets a uttasiunat t - 2 tm, 5111- !ronne voinlot - Two zones of light grov solvedge "	1			4 
iteous verniet - ino zones of sight grey serveuge	•			

IOLE NUMBER: H-84-9					S	HEET NO. 2 of 2
***************************************	******	*****	1111111			
FOOTAGE   LITHOLOGY		SAMP	LE		1	ASSAYS
	NUMBER	FROM	 TO	ΤΠΤΑΙ	!Αυ-Ω7 Δα-Ι	07 Cu-X 7n-X Ph-X
	*******	*******	******			
linterflow material.					!	*****************
276.0- 337.4 BASALT - Fine grained, blackish-preen & altered - Gra-1					1	
dational contact with unit above - Highly fractured					1	
with ptz-carb fillings					1	
279.6 - Svenite veinlet		7				
281.7-282.2 - Svenite veinlet					ł	
(311.8-313.1 - Svenite veinlet plus numerous 1 -2 cm. 1					•	
lyeinlets 2 30-40' CA's.					1	
337.4- 346.5; SYENITE - Coarse grained, red & massive - Inclusion of					, ,	
basalt at too contact & two 5 cm. fine prained svenite					1	
veinlets - 5 ca. of up to 5% pyrite in basalt at upper					1	
and lower contacts ~ Low magnetic susceptibility but {					1	١
thigh in basalt at both contacts.					l	
346.5- 389.1:BASALT - Fine grained, mottled dark grey & brecciated					Ì	
Somewhat altered with altered interflow selvedge mat-					ł	
erial in evidence - Epidotiztion common in selvedge - 1					1	
Disseminated pyrite min. (up tp 1-2%) on fractures - {					1	
Numerous thin qtz-carb filled fractures increasing to-					1	
lwards bottom of section.					I	
389.1- 393.7:INTERFLOW ZONE - Fine grained, mottled dark grey &	3579	389.1	390.7	1.6	0.01	
altered with pervasive carbonatization - Very fine	80	390.7	392.4	1.7	0.002	
Igrained disseminated pyrite - Qtz-carb on fractures	3581	392.4	393.7	1.3	1 NIL	
393.7- 405.71BASALT - Similar to section 346.5 - 389.1'	3597	405.7	409.0	3.3	0.002	
405.7- 432.2:SYENITE - Medium grained, red & porphyritic - Contacts	6	409.0	413.7	4.7	1 0.02	
10 40' CA - Near lower contact inclusions of basalt to-	5	413.7	418.5	4.8	0.005	
igether with infrequent inclusions towards the centre, i	4	418.5	423.2	4.7	0.01	
432.2- 434.2 INTERFLOW ZONE - Fine grained matrix, dull grey, car-	3	423.2	427.9	4.7	0.06)	
bonatized & brecciated - Large white feldspars up to a	3592	427.9	432.2	4.3	0.09	
i.3 Cms. Pyrite mineralization up to 27.	3382	452.2	434.2	2.0	1 0.06 )	0.072/11.0
434.2- 440.2; BASALI - Fine grained, greyish-green & altered by per-i	2282	434.2	433.8	1.5	1 0.002	
ivasive cardonatization - minor pyrite - Several 2 Cm. i	9 E	433.8	49/13	1./	i NIL I NTI	
igtz-tarb zones a moth carbonate on thin tractures.	3 7601	40/10 170 7	407.0	1.0	i NIL	
i 180 D. AEE LIDADALT . Fine regional dust many in black & sligered - i	0J00 7507	407.0	444.2	V.7 1 7	1 0.00Z	
140.1 AJJ. 1. DHARLE - FINE GENERAL, DAEK GEVEN A BILLER A BILLER - 1	2301	441.2	441.3	1.0		
imich epidoce film servenges - Jevensi (min 1 - 20m) ievonito uninlote - Minor purite - Numerous iractures !	1500	1 0 0 L	451 4	1 4	1 1 NTI	
1 452 9 - 453 57 - Gray Interflow Sadimant	0000	A51 A	452 A	1.0	1 0 01	
1 + 32.7 - 433.3 - 57 ey interview dediment.	00	457 A	454 1	1.0	1 0.015	
	3591	454.1	455.1	1.0	! NTI	
455 1- 479 AlRAGALT - Fine to medium prained, black, dense & mas-	4071	70764	10011	110	1 412	
isive - Few parrow ntz-carb fracture fillings - Coarser					1	
Incained near lower contact.					1	
479.0- 488.7 PORPHYRITIC SYENITE-Coarse orained, red & vuonv - Man-					1	
inetite mineralization-lower sertion has anoular basal-					1	
tic framents.					1	
488.7- 500.3 RASALT - Fine grained grey & dense.	1				i	
500.3- 503.0:BASALT - As above but with large chosted feld.phenos.	ļ				1	
503.0- 512.018ASALT - Similar to section 488.7 - 500.3' with pyrite					1	
	}				1	
	ł				1	
END OF HOLE	1				ł	
27 Core Boxes 19 Samples	ł				ļ.	

DIAMOND DRILL RECORD					
				AUEST NA	
NAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION : FOOTAGE HOLE NUMBER: H-84-6 LENGTH: 341.0'   Collar	DIP -50°	AZIMUTH 315'	HOLE NUMBER: H	-84-6 led in virinity of al	l Of l d hole
LOCATION:Harker Twp.,Claim L-578373,Larder Lake Div.,Ont.: 340' LATITUDE: 15 + 00 N DEPARTURE: 12 + 00 N	-47 '	317 '30'	with logged f	elsic material.	U NOIE
ELEVATION: Not Determined AZIMUTH: 315'		1			
DRILLED BY: St.Lambert Drilling Co.,Ltd.,Valleyfield,P.Q.;	•	1	LOKE SIZE: BU	= 1 //16" ter H. Thomoson.	
	*********	*******	***********	******************	******
FOOTAGE	 ! NINBER	SAMPL FRON	.E 10 TOTAI	ASSAYS	7
***************************************	*******	*******		144-02 Ag-02 64-2 \$\$\$\$\$\$\$\$\$	******
0000.0- 174.0:BVERBURDEN - Boulders, sand & gravel.	ł			ł	
174.0- 179.01ANDESITE - Fine grained, dark green, massive & dense.				¦	
irractures filled with gtz-carb - visseminated pyrite Iminoralization ( 17 - Fractures also have poar surfa	i ro!			i 1	
rusty colouration. ROCK NON-MAGNETIC,	1			3	
179.0- 257.5:ANDESITE - Fine grained, dark green, massive & dense.	. !			l	
Numerous thin (1 cm.) qtz-carb veinlets with minor py	y.:				
ita's 80'-90'. Uccasional fractures with 10' ta. inter Iflow selvedge of pale green enidote. NON-MAGNETIC.	r-i			1	
257.5- 270.5:ANDESITE - Medium grained, dark green & massive.					
Upper contact CA 45' marked by 12 cms. of epidote,	l			ł	
iqtz-carb & minor pyrite selvedge. 270 5- 302 O'ANDESITE - Nedium to fine preiped & black Highly	}			1	
fractured and re-cemented with with gtz-carb stringe	rsi			1 1 1	
Several ages of fracturing - Epidote & minor pyrite					
lalso present - Some pink coloured carbonate occurs in	n {			1	
ilarger fractures. 302.0- 319.0!ANDESITE - Medium Grained, dark oreen # massive.	i 1			; [	
319.0- 323.0:ANDESITE - Fine grained, green, dense & massive. Cou	141			1	
be a chilled zone or flow contact zone.	ł			! !	
323.0- 341.0'ANDESITE - Coarse grained, dark green & massive. Fe	N 1			1	
MAGNETIC.	i Ţ			1	
l	1			1	
	1			·	
	l			l	
1	ł			1	
				1	
	i			1	
				1 5	
}	l			-	
	ł			1	
	ł			1 2 1	
	;			1	
	1			2 0 1	
	i I				
	l			1	
	;				
בייט אין ארא אין ארא אין אין ארא אין אין אין אין אין אין אין אין אין אי	i			ă 1	
9 Core Boxes NIL Samples				•	

						_		_				_			_	_	_	•••	-	
=	=	=	=	=	=	-	=	=	=	=	=	=	=	=	=	=	=	=	=	

					SHEET NO. 1 of 2
NAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION   FOOTAGE	DIP	AZIMUTH	HOLE N	IUMBER:	H-84-7
HOLE NUMBER: H-84-7 LENGTH: 443.0'   Collar	-50 '	310 '	I RENARK	S: Drill	ed at magnetic contact to sec-
LOCATION:Elliot Twp.,Claim L-578851,Larder Lake Div.,Ont.: 438'	-47 *	305'	l tion	interflo	w material if present. For
LATITUDE: 26 + 75 N DEPARTURE: 32 + 00 W I			asses	isment pu	rposes.
ELEVATION: Not Determined AZIMUTH: 310'			1		
STARTED: July 4, 1984. FINISHED: July 9, 1984. !		:	CORE S	IZE: BQ	= 1 7/16"
DRILLED BY:St. Lambert Drilling Co.,Ltd.,Valleyfield,P.Q.:			LOGGE	) BY: Wal	ter H. Thompson.
***************************************	******	*******		******	
FOOTAGE : LITHOLOGY :		SAMPI	LE		ASSAYS
1	NUMBER	FROM	TO	TOTAL	Au-OZ Aq-OZ Cu-% Zn-% Pb-%
***************************************	******	*******			*************************
0000.0- 5.5:OVERBURDEN - Floor of drilling rig to bedrock.					3
5.5- 11.3:BASALT - Selvedge material, light green & brecciated -:					1
Minor epidote and carbonate.					1
11.3- 18.0/BASALT - Fine grained, dark green & massive - Amydules!					1
<pre>{filled with carb &amp; chlorite - Also some chlorite as </pre>					ł
iwisps & blebs.					1
18.0- 52.3/BASALT - Fine grained, green & massive - Numerous					<b>;</b>
green-black wisps of chlorite & minor qtz-carb on }					1 <sup>(</sup>
ifractures.					1
52.3- 58.6/BASALT - Fine grained, dark green & massive - Vario- !					+
llitic with carb fillings - Ninor black chlorite - Less					1
lthan 1% pyrite. I					\$
58.6- 86.5/BASALT - Fine grained, green & massive - Numerous					1
wisps & streaks of chlorite & epidote on fractures.					1
CA's 70'- 80'.					1
B6.5- 90.4:BASALT - Fine grained, dark green & massive - Visible :					{
¦magnetite − Qtz-carb-epid selvedge. ¦					1
152.3-90.4 -MAGNETITE rich zone indicated by SUSC.METER:					ł
90.4- 109.0¦BASALT - Medium grained, green, dense & massive - Has !					3
speckled appearance - Wisps of black chlorite.					ł
109.0- 112.0:BASALT - CONTACT ZONE - Fine grained, green & white,					1
<pre># brecciated - Much carbonate &amp; chlorite - Fault 2 cm.</pre>					1
wide with mud gouge sub-parallel to core.					
112.0- 115.5:INTERFLOW ZONE - Fine grained, grey, banded & folded -	3546	112.0	113.7	1.7	0.002
Flooded with with qtz-carb veinlets & stringers minor	7	113.7	115.5	1.9	0.002
ipyrite mineralization.					
115.5- 119.0;RHYU-DACITE - Fine grained, light green & massive -	5548	115.5	116.8	1.3	i NiL
Slightly carbonatized with few chloritic knots - Minori	7550	116.8	118.1	1.5	i NIL
ipyrite.	2220	118.1	114.0	0.9	i NIL
119.0- 157.0;RHYD-DALIE - Fine grained, pale green & massive - 1					i F
Slightly porphyritic over very harrow sections, fuzzy i					9
itelospar pnenocrysts - bome pervasive caroonalization.i					) 
(100.1-100.0 - Fracture Ione - Rusty & Chioritic With 1					i 1
i HINDE PYFICE.	7651	188.0	4 AE 1		1 0 000
137.0° 102.Vikatu-DACIAE - Fine grained, light green & massive -	1 2221	144*0	143.1	1.1	1 0.002
(Uccasional Wisps & streaks of chlorite - rew Harrow	l I				1
iDanos of Interflow Material.	1 7557	145 0	147 0	1.0	1 0 02
102.V- 103.VIINSERFLUM DEDINERS - FINE YEANED, YEAN & CREDONA-	0002	102.0	10314	1.0	1 V•VL ]
1120 - DEGLETEN PYTTE BUREBURGENDE - 11200 112 A- 197 ALBUNA-BARTE - DADDUVRITIE - Finn ansignal Antrix Linkt	1				9 
inter antital remains a province - Phonogeneous and the state is a second and the state of the second and the s	r 1				1
lying mullion appearance in the A.S.cae disable in 2003 als	r B				1
187.0- 202.0:8HVD-DACITE - Fine prained, light preventeen & dence -	}				*
Contacts have CA 45'-	1				-
202.0- 223.01RHYD-DACITE - PORPHYRITIC - Similar to section~163-187					

=====									
HOLE NUMBER:	H-84-7					SHE	ET NO.	. 2 of	2
***********	***************************************	*********		**********	********				
FOOTAGE	LITHOLOGY	1	SAMPL	E	1	AS	SAYS		
		NUMBER	FROM	TO TOTAL	Au-07	Aa-07	Ca-Z	7n-2	Ph-Z
*************	***************************************	*********	**********	**********	********	*******	*****	*****	
223 0- 322 0	PHYN-DARITE - POPPHYRITIC - Similar to provious ser-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*********	*********	*********	******	*****	*****	*****
11010 51110	tion but provident actuals come with a suggestion	<b>,</b>			1				
1	tion but occasional serveoge zones with a suggestion	i			i				
	of very narrow flow preccias or tuffaceous units -	1			ł				
	Scattered sulphides.	1			1				
322.0- 341.0	RHYOLITE - Fine grained, pale grey-green & massive -	l			1				
+	Peppered with small rounded dark quartz "eyes" and	1			1				
	spherules filled with carbonate & chlorite - Some gtz-	:			1				
	carb stringers along fracture pattern - Only visible	1			Ì				
	Invrite.	1			1				
<b>341 0- 383.0</b>	RHVN-BARITE - PORPHYRITIC - Similar to certion 223-322	!			1				
01110 00010	1357 3 - 357 9 - Carbonata rich vainlat	1			1				
707 A_ 410 A	DUVN_BARITE _ DODDUVDITIC _ Cicilar to shown in cart	• 1			1				
303.0- 410.0	ANTU-DHUILE - FUARATALIU - SIMILAR LU ADUVE IN PARL	i I			i J				
	out a mixed up series of narrow teisic flows with por.	i			1				
	centres & chilled edges - some selvedge & interflow	1							
	material consisting of epidote, chlorite & carbonate -	1			ł				
	Minor pyrite, pyrrhotite & speck of chalcopyrite.	1			1				
418.0- 440.0	RHYOLITE - Similar to section 322-341 - Fracture pat-	1			1				
	tern filled with minute qtz-carb stringers - Minor	ł			1				
	pyriye, pyrrhotite & chalcopyrite.	l .			1				
440.0- 443.0	RHYD-DACITE - Fine grained, pale grey-green & massive.	:			1.				
		{			1				,
	Magnetic Suscentibility Profile suggests that the mag-	1			, <u>†</u>				
	netic contact is in the vicinity of 109 feet down the								
	here conducts in the string of ivy see down the	•			1				
	17104 F. e 1	*			1				
		1			i I				
		1 1			i •				
	i Zo Lore Boxes / Samples	i			i				

\*\*

				SHEET NO 1 of 2
NAME OF PROPERTY: GOLDEN HARKER EXPLORATIONS LTD. OPTION   FOOTAGE	DIP	AZIMUTH I	HOLE NUMBER:	H-84-8
HOLE NUMBER: H-84-8 LENGTH: 443.0' Collar	-50 '	310' }	REMARKS: Drille	d at magnetic contact to sec-
LOCATION:Elliot Twp.,Claim L-578380,Larder Lake Div.,Ont.: 438'	-46*	306' !	tion interflow	material if present. For
LATITUDE: 23 + 97 N DEPARTURE: 24 + 00 W			assessment pur	poses.
ELEVATION: Not Determined AZIMUTH: 310'				
STARTED: July 9, 1984. FINISHED: July 12, 1984.		1	CORE SIZE: BQ =	1 7/16"
DKILLED BY:St. Lambert Drilling Co., Ltd., Valleyfield, P.Q. :		   	LOGGED BY: Andr	ew J.Troop & Walter H.Thompson
	*********	11111111111111111111111111111111111111		
	NUMBER	CONN	נ ולב זה דחדא: ו	Au-07 Ac-07 Curv 7 * Db.*
· · · · · · · · · · · · · · · · · · ·	111111111111	- NVD 111111111	IU IUIML I 1222222222222222222222222222222222222	HU-UL HG-UL LU-6 20-6 PO-6
0000.0- 3.3: OVERBURDEN - Floor of drilling rig to bedrock.	*******		· · · · · · · · · · · · · · · · · · ·	•••••
3.3- 13.2:BASALT - Fine grained, green & massive - Fractures @				
lvarious CA's filled with qtz-carb - Minor diss. pyrite:			1	
16.2-6.4 "Chert" like band, probably selvedge.			ł	
18.5 Two very narrow as above.			1	
13.2- 22.5/BASALT - Medium grained, greyish-green & massive - 🕴			1	
Minor chlorite & epidote on fracture planes - Contacts			1	
lgradational.			1	
22.5- 33.3 INTERFLOW ZONE - Fine grained, greyish & altered -			i	
islightly brecciated, chloritized & carbonatized - Num-;				
ierous qt2-caro verniets following fractures - ninor i Investo minoralization accordiated with carb blobs			i	
33.3- 53.1:RASALT - Fine grained, green t passive - Chloritized !			1	
lespecially on fracture pattern - Diss. pyrite as strks				
& blebs often with carbonate. Less than 1% sulphides.				
53.1- 62.21BASALT - Medium grained, greyish-green massive - Gradal				
tional contact - probably centre of flow - Occasional :			1	
linterflow selvedge - Few qtz-carb veinlets.			1	
62.2- 83.4:ANDESITE - Fine grained, greyish-green, speckled &			1	
Imassive - Highly chloritized with rounded grains				
associated with visible pyrite.				
83.4- 107.3;BASALI - Fine grained, green & massive - Some chlorite;				
ias streaks and wisps - several thin qtz-taro veinietsi 'No sulphides	ł		i	
107.3- 129.1:BASALT - Medium prained, preen & massive - Gradational:				
/contact - Chloritic grains rounded giving rock a spec-				
<pre>kled appearance - Probably centre of flow.</pre>				
129.1- 141.6/BASALT - As above but less chlorite & more carbonate	1			1
lin fractures - Increased cube pyrite towards end of				
lsection - Contact gradational.	ł			
141.6- 151.0:INTERFLOW ZONE - Fine grained, greenish-grey & altered	3561	141.6	146.1 4.5	0.002
lintermixed sheared basalt & interflow material - High-	2	146.1	148.7 2.6	I NIL
ily carbonatized by flooding - minor pyrite - foliation load- act. 503	3363	148./	151.0 2.3	. 0.002
ith's 40° JU'. 151 A. 192 AlbArittr-ANNESITE - Fine arginat light groop & assive	) )			3 3
Dressional atz-carb filled fractures & various [0:	) }			1
(172.4-173.1 - Otz-carb rich zone - Brecciated with up				1   1
to 10% pyrite - Could be an interflow zone.				1
192.0- 195.0:INTERFLOW ZONE - Fine to med. grained, greyish-brown &	3555	192.0	195.0 3.0	: 0.06
ifractured - Highly altered, sheared & carbonatized -	}			1
Scattered pyrite min. up to 2%.	8			2 5
195.0- 203.4:DACITIC-ANDESITE - Fine grained, greyish-green & frac-	1			+ 1
ltured - Numerous qtz-carb stringers & blebs - Scat-				1
itered pyrite mineralization.	i ,			i 1
	•			i

HOLE NUMBER:							SHE	ET NO.	2 of	2
**********		********		******	*******	******	*******	*****	*****	****
FOOTAGE	LITHOLOGY		SAMPLE			1 6		ISSAYS		
***********	; ************************************	NUMBER	FRUM	U ******	IUIAL	1AU-U/	Ag-U/ (	Su-X	ln-2	PD-7
203.4- 221.8 221.8- 253.3 253.3- 266.3 266.3- 315.3 315.3- 320.9 320.9- 443.0	DACITE - Very fine grained, pale green, massive & very Idense - Much qtz-carb flooding - Occasional narrow Iporphyritic section with large (.5 cm.) altered feld- Ispar phenocrysts now irregular and fuzzy shaped. IRHYOLITE - PORPHYRITIC - Very fine grained, pale grey- Igreen & massive - High density of rounded qtz. "eyes" Ifrom 1 to 1.5 mms. in diameter - Spherulitic with carb Ifillings. IFELSITE DYKE (FELDSPAR PORPHYRY) - Very fine grained, Ibrownish-grey & massive - Highly carbonatized - Very Ismall phenocrysts less than 1 mm. Scattered pyrite min IContacts sharp & slightly chilled U.C.C.A 90 ,L.C IST . IRHYO-DACITE - Fine grained, pale green & somewhat Ifractured and brecciated - Nuch qtz-carb-epid selvedge Narrow porphyritic sections with altered, irregular Ifeldspar phenocrysts up to 0.75 cms. diam. ISO4.B-307.5 - Rounded quartz "eyes". DACITE - Fine to medium grained, greyish green & car- Ibonatized - Numerous qtz-carb stringers & flooding. IRHYO-DACITE - Similar to section 266.3-315.3 - A mixed Iseries of narrow felsic flows. I Magnetic Susceptibility Profile suggests that the mag- Inetic contact is in the vicinity of 130 feet down the Ihole. I END OF HOLE I 23 Core Boxes 5 Samples	3556 7 8 3559	253.3 256.6 259.8 263.1	256.6 259.8 263.1 266.3	3.3 3.2 3.3 3.2	0.002				

..

. 63.4560 900 OM8= 5 JV-99 Jun.16/87 THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES): COMPARABLE MATERIAL SEE FILE: D. Mag. Map, Discovery-Lenora Joint Venture, A. Troop, Aug. 15/84 => # 2.7475 @ Mag. Map, Discovery - Lenora Joint Venture, Golden Harker Property (East Group), A. Troop, Aug. 15/84 => # 2.7361 @ Diamond Drill Record, Discovery-Lenora, Holloway Twp., Nov. 14-27/84, Holloway Twp Hole# I-84-1 to I-84-4 => D.D. # 23 @ Diamond Drill Record, Discovery-Lenora, Harker Twp, July 184 Harker Twp. Hour # NH-84-1 to NH-84-4  $\implies$  D.D.#36 





B0+00E	N 00 + 01 - 28	197+ 404 - 419	405 542 501 498 O70 <sup>0</sup> BASE LINE	- 484 - 475 - 416 - 416 - 287 - 287 - 245 - 1245 - 1236 - 1236 - 1232 - 10100S	63.4560 63.4560 CM84-99 CM84-9
300+92	746		- 568 - 443 - 511 - 511		Ľ.
72 + 00 E		494	- 419 - 496 - 503 - 487	- 334 - 232 - 232 - 232 - 126 - 126	
68 + 00 E		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-541 -489 -299	- 245 - 245	
94 + 00 E		554	- 529 - 528 - 566 391	- 384 - 356 - 288 - 353 - 56 - 1407 - 1504 - 1504 - 1504	
eo + 09 E		- 597 - 552	-515 -472 -427 -427	+ 357 + 357 + 435 + 435 + 201 + 121 + 121 + 1298 + 1298 + 1201	
56 + 00 E		503	-441 -417 -428 433		6816/826 SH 6125
52 + 00 E		426	452-441-442		D L N GEOMETRICS , MODEL
300+8 <del>1</del>		- 409 - 409	- 406 - 429 - 420 328		LLL READINGS + 58000 NT - PROTON PRECESSIO
44 + 00 E	0 % % *	- 474	- 428 - 428 - 391 - 278		NOTE INSTRUME
40 + 00 E		<b>⊢</b>	- 351 - 277 0 I-84-1 -50°		

36+00 E		- 525 + 519	- 579	- 428 - 441	- 401 - 338	242 242	4.61	8 9 9 7 7 7 8 8 9 7 7 7 7 8 9 7 7 7 7 7		- 1523	+ 999 - 1052 - 1621	772	
32 + 00 E			• • • • • • • • • • • • • • • • • • •	- 442 - 42 - 42	+394 -2	- 142 38	011 T		- 709 - 2083 - 1674 - 1175	+ 1939 + 1152 - 1846	- 1379 - 5991 - 1273	- 1153 - 840 - 1254	147
58 + 00 E	404 405 7		- 5 80 - 5 5 4		- 425 - 325	7 <del>6</del> 1 + 1 <b>2</b> 1	+ 51			CLIFFS			
54+00E	215	ຄ. ຄ. ງເ	- 552 - 536	- 517	- 378 - 218	O I-84-3 -237 -50°	3 12	E 105 +	- 307 - 1020 - 1023 - 2958	- 1166	- 2275 - 1833 - 1532	1.1.7 1.1.7 833	
50 + 00 E	434 403	865		- 1040 - 236 - 343	+ + + + - + - + - + - + - + - + - + - +	+ 393			- 705 - 705	8201+ 0251- 587E+	-1931 -1925	- 729 - 729 - 1462	
16 + 00 E	199	11 7 +	+ 590	558 	- 529 - 387	- 418 321	+ 164	- 14:5 	949 	7261-	+1209 -1453	8661-	
IS + 00 E	T 452 	• <b>*</b> *•	+ 609 - 592	- 534		398 239	O I-84-4 -22 -45°	+ 11 + 1416	4641 4641 846	816+ 286/ 4	- 1081 - 1341 - 2984	- 7552 - 1724 - 1746 - 1746	

5 







. •

32005NW0077 63.4568 ELLIOTT




Ŧ

<u>φ</u>

32065NW0077 63.4560 ELL



