

DIAMOND DRILLING



32D12SW0075 41 HARKER

010

TOWNSHIP: Harker

REPORT No.: 41

WORK PERFORMED BY: Kerr Addison Mines Ltd.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 684575	SH-85-1	459'	Feb/85	(1)
L 684574	SH-85-2	456'	Feb/85	(1)
	SH-85-3	462'	Feb/85	(1)
	SH-85-4	476'	Mar/85	(1)
L 684577	SH-85-5	596'	Mar/85	(1)
L 684578	SH-85-6	476'	Mar/85	(1)
L 684581				
684586	SH-85-7	450'	Mar/85	(1)
	7	3375'		

NOTES: (1) #189-85

KERR ADDISON MINES LTD.

REPORT ON A

DIAMOND DRILL PROGRAM

SIMS PROPERTY, HARKER TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF COCHRANE

Sudbury, Ontario

April, 1984



Mark M. Brenchley, P. Eng.

Kerr Addison Mines Limited

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INTRODUCTION

For the past year, Kerr Addison Mines Ltd. has worked on a mineral property, optioned from Mr. W. Sims, in Harker Township. Geological, geophysical and geochemical work was presented in two reports previously filed.

In the months of February and March of 1985, Kerr Addison Mines Ltd. performed diamond drilling in seven holes, on this property, to test anomalous zones. The results obtained from this program are presented in the following report.

LOCATION, ACCESS AND PHYSIOGRAPHY

The "Sims" claim block is located in the north central portion of Harker Township, approximately 50 kms east of Matheson, in Northwestern Ontario. (figure I)

The property consists of 24 contiguous claims numbered 684565 through 684588 inclusive. (figure II)

Excellent access to the property is provided by a gravel logging road leading south from Highway 101, next to Ghost Mountain.

The terrain is a flat to gently rolling plain, into which the Ghost River tributaries have incised numerous gullies. Most of the property was logged approximately 15 years ago, and a forest fire swept through the same area in Spring of 1984. The present vegetation consists of stands of aspen, poplar and alder with numerous low bushes. The eastern sector of the property is a mature mixed deciduous evergreen forest.

Overburden blankets the entire property, except for two small outcrops.

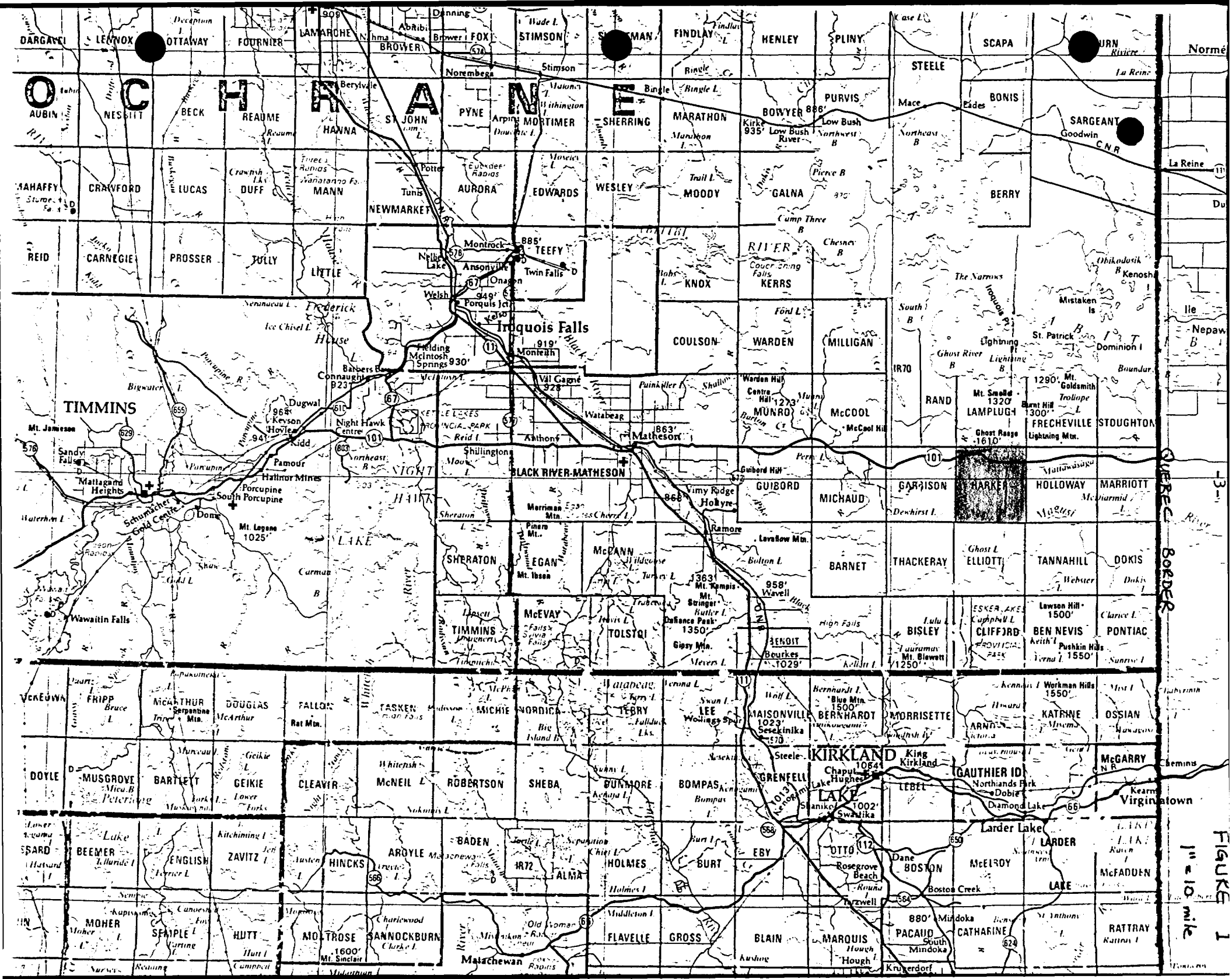
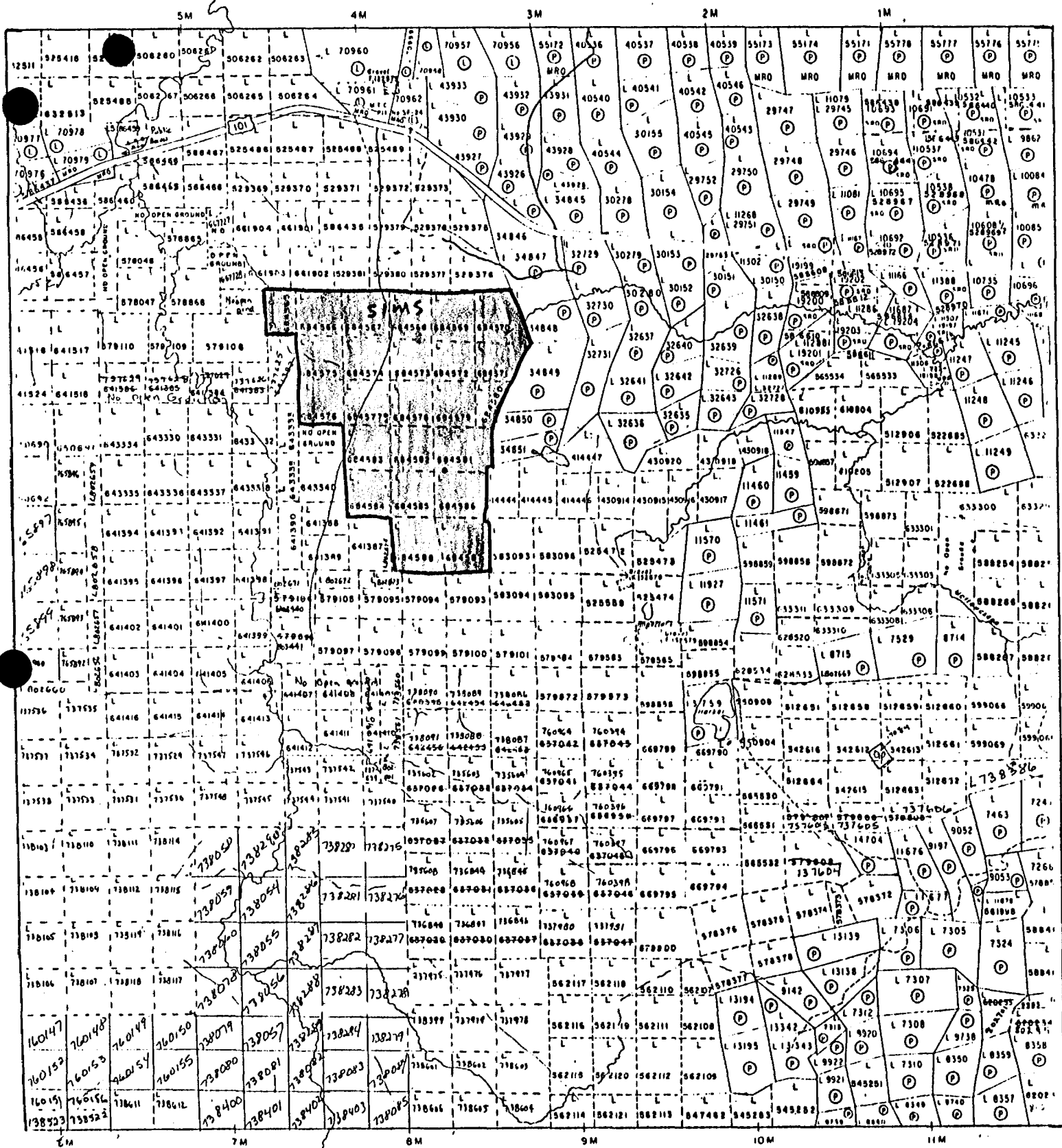


FIGURE 1
1" = 10 miles



HARKER TOWNSHIP

FIGURE 2

1" = .75 miles

PREVIOUS EXPLORATION WORK

The area was actively explored in 1946 and 1947. St. Anthony Minerals, A.R. Graham, and Graham-Bellingham each worked small claim blocks within or bordering on the present Sims group. Magnetometer surveys were conducted on these three properties, locating the "Dale Granite-Syenite Batholith", and volcanic rock contacts. The "main break" (DPFZ) was located in the northern part of the Graham Bellingham group. Two drill holes of 110 feet each were put on the St. Anthony property, with nothing of interest to report. Harter township was mapped soon after by J. Satterly whose map and report were published in 1951 (OGS Map No. 1951-4). The property has seen little work from that time until 1980. H.D. Carlson held 21 claims, on which he performed geological mapping, again with nothing significant to report.

Kerr Addison Mines Limited optioned the property from W. Sims in spring of 1984, after which it performed linecutting, geology, magnetometer and EM-VLF surveys in the summer of 1984 (assessment report previously submitted). This was followed by an overburden reverse-circulation drill program of 110 holes, in October to December of 1984 (assessment report previously submitted).

DIAMOND DRILL PROGRAM

During February and March of 1985, 3313 feet of BQ diamond drilling in seven holes, was performed on the Sims property. The drilling was contracted to Heath & Sherwood Drilling Company of Kirkland Lake, Ontario. Selected sections of the core were split and assayed for gold at Swastika Labs of Swastika, Ontario.

This drill program was designed to investigate certain geophysical and geochemical targets, defined by previous exploration work. The holes were spotted on the basis of four factors:

- 1) Overburden and bedrock gold values.
- 2) Proximity to Syenite/Volcanic contact.
- 3) Magnetometer Relief
- 4) Regional and Local structure.

The hole locations are plotted on the following map. An accurate line location is available on the individual logs. A brief summary of each follows, whereas complete drill logs and sections are included as Appendix I

SIMS CLAIM GROUP
DIAMOND DRILL HOLE LOCATION

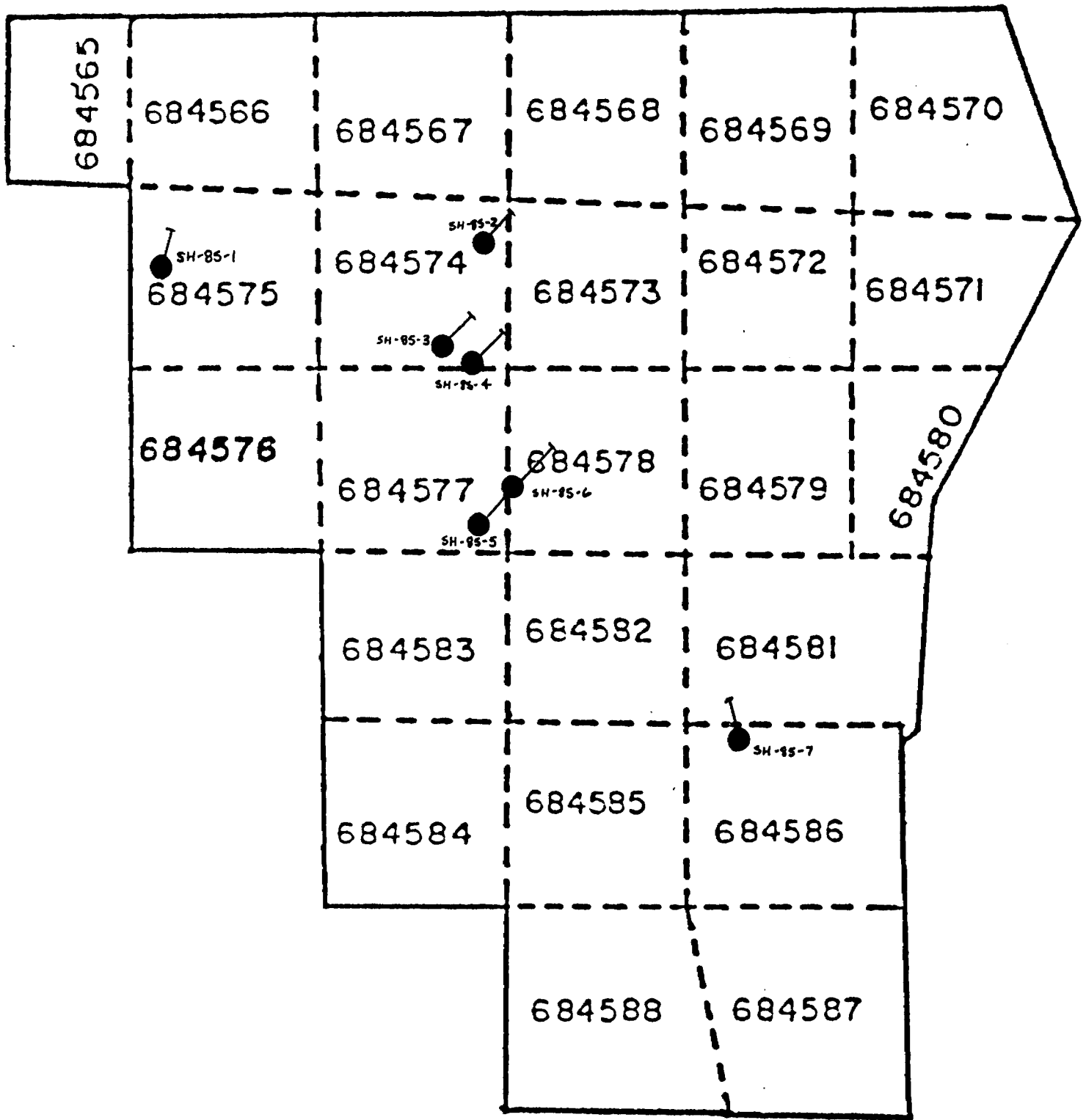


FIGURE 3
1" = 0.2 miles

DDH SUMMARY: SH-85-1

Diamond drill hole SH-85-1 was spotted to investigate the syenite-volcanic rock contact, near a bedrock gold anomaly of 402 ppb.

The magnetic response increases to the north. This corresponds with lithologies encountered in the drill hole. The non-magnetic syenite and contact zone lie to the south.

The iron-rich tholeiitic basalts encountered in the hole are cause of the zone of high magnetics encountered in the north west corner of the Sims property.

SH-85-1 consists of massive, unaltered syenite in the top of the hole and massive basalt in the bottom of the hole, separated by a 110 foot section of hydrothermally altered rock. Throughout this section the mineralogy and textures suggest extensive fluid movement. The section is enriched in potassium feldspar, quartz, carbonate and pyrite. There is 74 feet (331.1 to 405.5) which the syenite and basalt are interfingered and extensively altered. Such a broad contact zone suggests that the syenite intruded in a series of pulses in the vicinity of this drill hole. The intrusion has caused the basalt to become foliated at 45° angle to the core axis, corresponding to a vertical foliation, as one would expect from an intrusion.

The gold content is directly proportional to the amount of pyrite observed, which occurs in greatest concentrations in areas of fracturing within the contact zone. The best assay obtained is .035 oz/ton over 2.7 feet. This is part of a zone that averages .025 oz/ton over 27.5 feet.

DDH SUMMARY: SH-85-2

SH-85-2 was spotted to investigate a geochemical anomaly in an area of low magnetics between two relatively high magnetic terrains. The rock encountered is massive, non-magnetic tholeiitic basalt, thus explaining the region of low magnetic response.

The only note worthy features of this hole are the two zones of sheared rock, probably indicating transcurrent fault zones. There are slickenside surfaces and minor fault gouge, but there is no hydrothermal alteration or mineralization associated with these shears.

DDH SUMMARY: SH-85-3

Hole SH-85-3 was designed to test the Syenite/Volcanic contact in the vicinity of the north-south magnetic low band, with concurrent bedrock gold value of 207 ppb.

The contact zone of interfingered syenite and basalt is eight feet wide. The syenite is weakly enriched in potassium feldspar 40 feet from the contact; the basalt is weakly altered and sheared 35 feet from the contact. Although there is a wide, 80 foot zone of hydrothermal alteration, all of the rock contains only nil to trace amounts of pyrite, resulting in very low gold values.

DDH SUMMARY: SH-85-4

Hole SH-85-4 was drilled to investigate the syenite/volcanic contact with an anomalous bedrock gold value of 426 ppb.

A gabbro unit was encountered in the top of the hole, interfingered with the syenite. It appears as though the gabbro intruded the basalts of the region, and it in turn was intruded by the syenite. The gabbro is of little economic interest.

The syenite encountered had little in the way of alteration or mineralization. The hole traverses a 30 foot wide "contact" zone then enters the massive basalts. There is very little hydrothermal alteration in this hole, and pyrite content is very low. No significant mineralization was encountered.

DDH SUMMARY: SH-85-5 and SH-85-6

These two holes are drilled on the same section. They were spotted to investigate the syenite/volcanic contacts in an area of complex mag, indicating a possible NW-SE structure. These holes are directly up ice from an anomalous basal till sample of 595 ppb gold.

Hole SH-85-5 encountered massive, non-magnetic syenite, explaining the low mag response of the area. The 100 foot intersection of weakly magnetic, magnesium-rich basalt is not reflected in the mag response of the area.

Hole SH-85-6 crossed through a homogenous sections of coarse-grained syenite, with two narrow intersections of tholeiitic basalt. All contacts within these holes are very sharp, and no alteration or mineralization is noted.

DDH SUMMARY: SH-85-7

Hole SH-85-7 encountered massive, coarse-grained syenite for most of its length. There is almost no alteration and only trace amounts of pyrite in this unit. A fifty foot section of basalt was intersected at 253 feet. The only notable feature in this section is a three foot wide fault zone, containing graphite, cabonate and pyrite. There is very little associated hydrothermal alteration.

DISCUSSION AND RECOMMENDATIONS

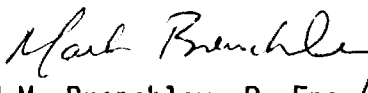
The most encouraging results were encountered in Hole SH-85-1. Holes two through seven increased the geologic knowledge of the area, and explained geophysical and geochemical anomalies, but contain almost no mineralization.

Hole SH-85-1 contained anomalous gold values over the entire mineralized contact zone from 331.1 feet to 405.5 feet including 27.5 feet assaying .025 oz/ton. (from 358.5 to 383.4). Although not ore grade these results are encouraging, and warrant further work.

Hole SH-85-1 is near the western edge of the Sims property. The nearest Sims drill hole, containing no mineralization is 500 meters to the east. A drill hole 650 meters to the west, on the neighboring Neal property, contains mineralization. Follow up work should be done in the vicinity of SH-85-1 and further to the west.

The gold values encountered are always associated with pyritized rock. In order to better understand pyritization trends, and hence define further drill targets, an Induced Polarization survey is recommended for the western portion of the claim block. This survey would cost approximately \$500-600 per line kilometer.

Respectively Submitted,


M.M. Brenchley, P. Eng.

MMB:pl

APPENDIX I
DIAMOND DRILL LOGS
AND SECTIONS

HOLES SH-85-1
SH-85-2
SH-85-3
SH-85-4
SH-85-5
SH-85-6
SH-85-7

KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

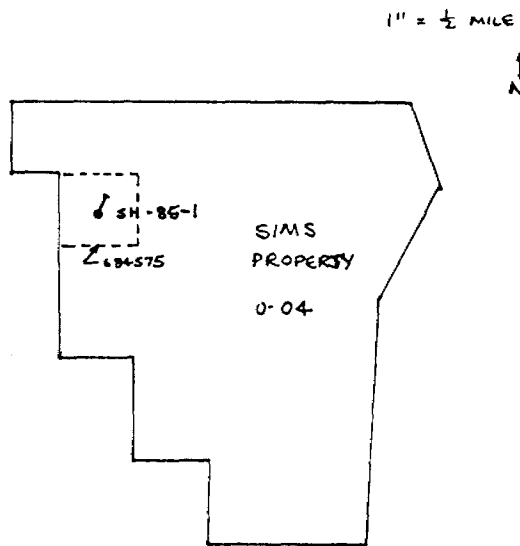
PROJECT SIMS "0-04"

HOLE No. SH-85-1

LOCATION	DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP. <u>HARKER</u>	FOOTAGE	ANGLE		295'	FEB 17, 1985
		RECORDING	CORRECTED	VERTICAL COMPONENT	DATE FINISHED
CLAIM NO. <u>684575</u>	0		50°	352'	FEB 19, 1985
	459'			BEARING	LOGGED BY: <u>M.M. BRENCHLEY</u>
NTS <u>32 D 12</u>			ELEVATION	025°	PURPOSE
			LATITUDE <u>17+10 W</u>	LENGTH <u>459'</u>	TOT. RECOVERY <u>100%</u>
			DEPARTURE <u>5+15 N</u>	CORE LOCATION	

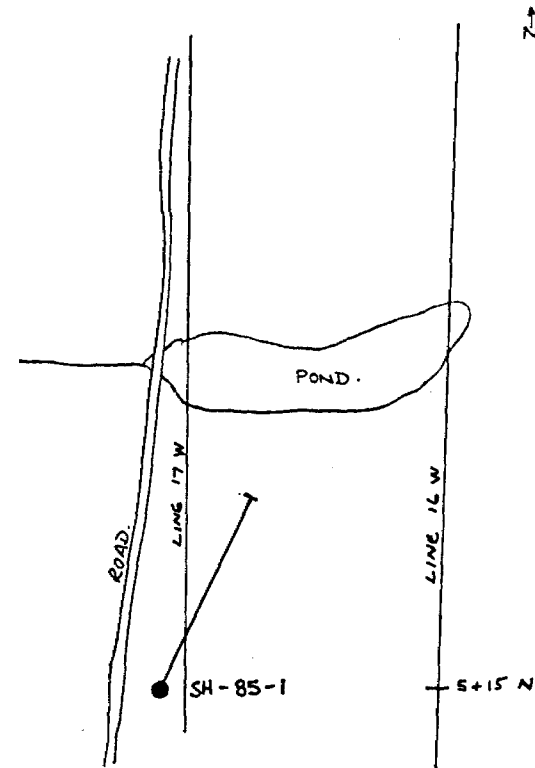
DIAMOND DRILL HOLE LOCATION SKETCH

CLAIM SKETCH



GRID SKETCH

1:2500



DIAMOND DRILL RECORD

LOGGED BY M.M. BRENCHLEY

PROPERTY SIMS ; HARKER TWP

'0-04"

D.D.H. No. SH-85-1 PAGE 1/9

LATITUDE 17 + 10 W

BEARING OF HOLE 025°

STARTED FEB. 17/85

DEPARTURE 5 + 15 N

DIP OF HOLE -50°

COMPLETED FEB. 19/85

ELEVATION _____

DIP TESTS @ 459' = 49°

DEPTH 459'



CLAIM No. 684575

DIRECTION AND DISTANCE FROM

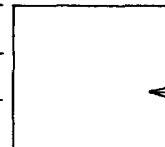
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
0.0	87.0	OVERBURDEN:											
87.0	251.8	SYENITE :											
		- medium → dark orange colour.											
		- coarse-grained, intrusive texture, feldspars are well formed, euhedral crystals											
		- very little free quartz, <10%											
		- no mafic minerals present.											
		- nil to trace pyrite.											
		- v. fine grained, deep orange potassic alteration only along grain boundaries of feldspars											
		- this 165' section of syenite is very uniform throughout.											
		- this rock differs from the intrusive found in NH-85-1, in that there are no mafic minerals present in the unaltered syenite.											

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____



D.D.H. No. SH-85-1 PAGE 2/9



CLAIM No. _____

DIRECTION AND DISTANCE FROM

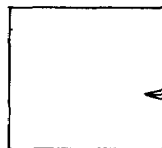
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO		Au						
		- also the potassic alteration is along grain boundaries, and doesn't replace entire crystals											
		162.0 - 188.5 - syenite as above but is fractured	1301	161.5	166.5	5.0	.001						
		- fractures and veinlets coated with	1302	166.5	171.5	5.0	nil						
		quartz-carbonate, and calcite material	1303	171.5	175.5	4.6	nil						
		- intersecting veinlets often result in	1304	175.5	180.5	5.0	nil						
		vugs, partially calcite filled.	1305	180.5	185.0	4.5	nil						
		- no pyrite enrichment.	1306	185.0	186.3	1.3	nil						
		- avg. fracture spacing is 1 per 2"	1307	186.3	189.8	3.5	.001						
		- orientation is 30-55° to core axis	1308	189.8	194.8	5.0	nil						
		184.5 - 186.0 - 1.5' section where syenite is											
		brecciated - clasts 1 mm - 20 mm are											
		angular, surrounded by a matrix of											
		qtz-carbonate (white).											

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____



D.D.H. No. SH-85-1 PAGE 3/9



CLAIM No. _____

DIRECTION AND DISTANCE FROM

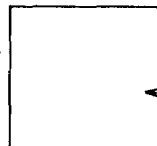
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
		250.0 - 251.8 - Syenite becomes dark grey-brown colour next to 1' section of volc.												
251.8	253.1	VOLCANIC ROCK : 1.3' section of fine grained basalt. - dark green, mafic composition - massive texture, no banding or bdy. - very siliceous, brittle - contacts sharp and there are chill margins in the volc. rock. - no pyrite or associated alteration												
253.1	294.6	SYENITE : as above, unaltered except for potassic alteration along grain boundaries - trace to nil pyrite. 253.1- 258.0 - dark grey-brown colour due to volcanic layer.												

DIAMOND DRILL RECORD

LOGGED BY _____

 PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

 D.D.H. No. SH-85-1 PAGE 4/9


CLAIM No. _____

DIRECTION AND DISTANCE FROM

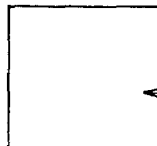
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
294.6	331.1	ALTERED SYENITE : <u>3 TYPES.</u>												
		(1) 294.6' - 300.0'												
		- dark orange-grey colour,												
		- rock is potassium enriched, grains	1309	294.6	298.6	4.0				0.001				
		boundaries partially destroyed :	1310	298.6	303.6	5.0				0.001				
		intensive texture still visible												
		- trace → 1% pyrite												
		(2) 300.0' - 303.0' , 320' - 322' , 325 - 331	1311	303.6	308.0	4.8				0.01				
		- bright orange colour	1312	308.0	313.0	5.0				0.001				
		- rock is 50-60% Kspar alteration	1313	313.0	318.5	5.0				0.0025				
		- original texture almost destroyed	1314	318.5	322.0	5.0				0.005				
		- Qtz and quartz-carb. stringers (banded)	1315	322.0	326.0	5.0				0.001				
		- pyrite nil to trace.	1316	326.0	330.0	4.8				0.001				
		(3) 303 - 320 , 322 - 325												
		- beige alteration colour - material totally												
		replaces original syenite.												
		- has granular, fine grained texture												

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____



D.D.H. No. SH-85-1 PAGE 5/9



CLAIM No. _____

DIRECTION AND DISTANCE FROM

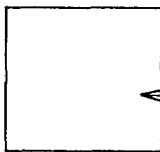
NE. CLAIM POST


FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
331.1	405.5	CONTACT ZONE:												
		- interfingering of altered syenite and altered greenstone.												
		<u>Altered Syenite</u> : intrusive texture mostly or wholly destroyed												
		- deep orange colour due to intense potassic alteration - pervasive throughout.												
		- quartz and quartz carbonate veinlets cross -												
		cross approx. 75% of this section - barren of any pyrite												
		- pyrite trace → 2%, avg .5%, and is very finely disseminated.												
		- contacts with altered greenstone are generally very sharp @ 45° to core axis												

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____



D.D.H. No. SH-85-1 PAGE 6/9
 CLAIM No. _____

 ← DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
		<p>... <u>Altered Volcanic Rock</u> :</p> <p>+ prior to alteration probably a mafic basalt.</p> <p>- dark to medium green colour</p> <p>- some massive sections but most is foliated @ 45° to core axis, i.e. parallel to most veinlets and main fracture set.</p> <p>- mafic composition with alteration overprinted; - qtz, qtz-carbonate stringers, orange potassic alteration and fine grained, granular, beige alteration mineral.</p> <p>- in places alteration is well banded parallel to foliation; otherwise it forms chaotic, swirl texture, and crisscrossing veinlets</p> <p>- altered greenstone is non-magnetic</p>											

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. SH-85-1 PAGE 7/9

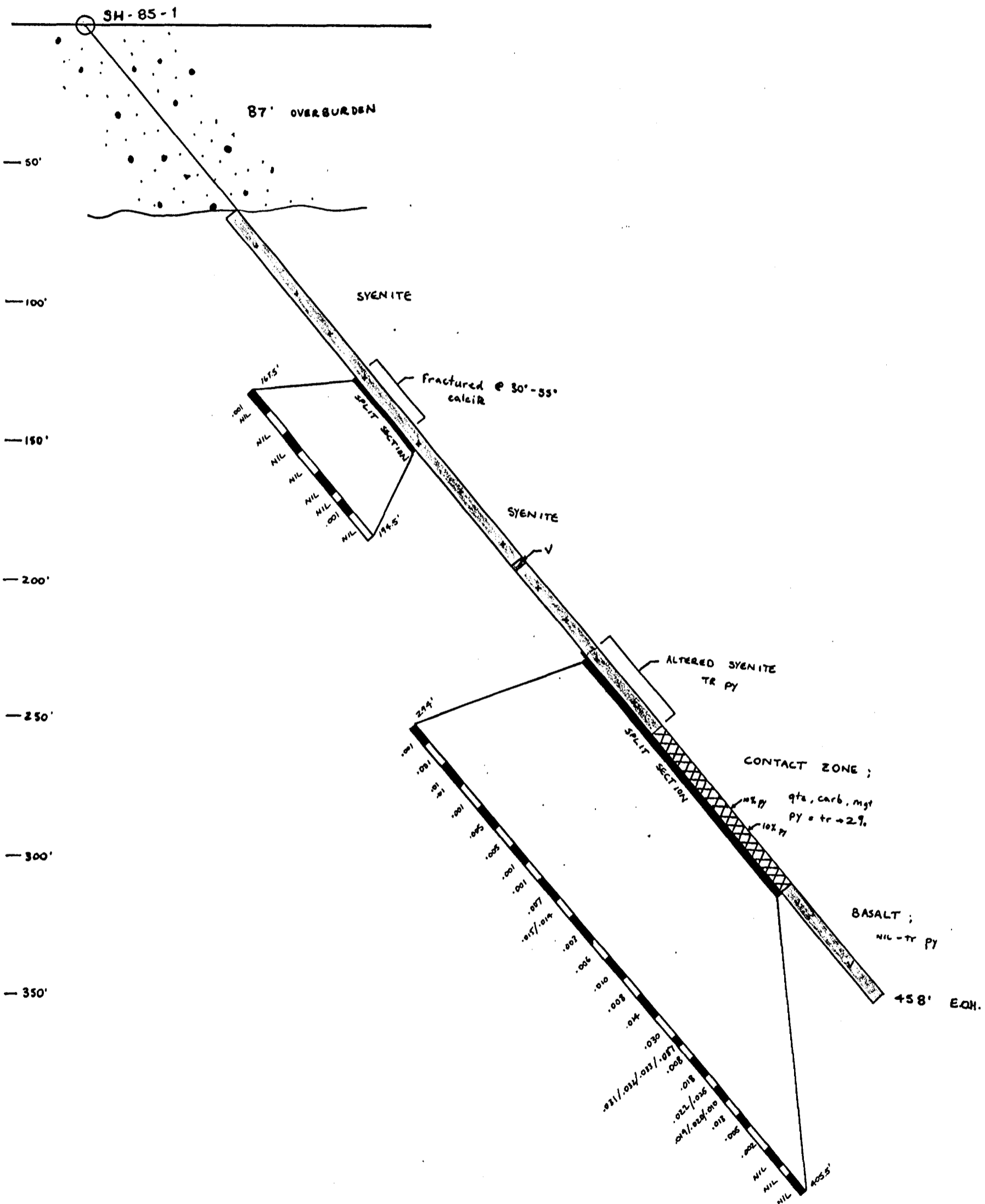


CLAIM No. _____

← DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO			Au					
		- pyrite content variable - see below											
		- rare 1 mm fracture fillings of mgt.											
			1317	330.5	335.0	4.8		.007					
		330.0 - 335.0 - rock is highly fractured	1318	335.0	339.8	4.8		.014					
		resulting in a breccia-like appearance	1319	339.8	345.0	5.0		.015					
		- finely disseminated pyrite up to 1%	1320	345.0	349.0	5.0		.006					
		- fracture fill is mostly dark mineral,	1321	349.0	354.0	5.0		.010					
		metallic lustre (hematite, graphite, sphal.)	1322	354.0	358.5	4.7		.008					
			1323	358.5	363.0	5.0		.014					
		344.0 - 345.5 - very fine grained pyrite	1324	363.0	368.0	5.0		.030					
		- less than 1%	1325	368.0	370.7	2.7		.021		.023			
								.032		.037			
			1326	370.7	373.0	2.3		.008					
		361.0 - 362.5 - pyrite ≈ 2% very finely	1327	373.0	377.3	4.3		.018					
		disseminated, and trace blebs	1328	377.3	380.0	2.8		.022					
		of sp.	1329	380.0	383.4	3.4		.025					
								.020					
								.019					
			1330	383.4	386.0	3.2		.013					
			1331	386.0	389.5	3.5		.005					



KERR ADDISON MINES LIMITED SDBURY ONT.	LEVEL <u>DIAMOND DRILL SECTION</u>	SCALE <u>1" = 40'</u>	DRAWN BY <u>MMB</u>	DRAWING NO.
	SUBJECT <u>SH-85-1</u>	DATE <u>MAR/85</u>	FILE NO.	
	FACING <u>NORTHWEST</u>	C'K'D BY	<u>0-04</u>	

KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

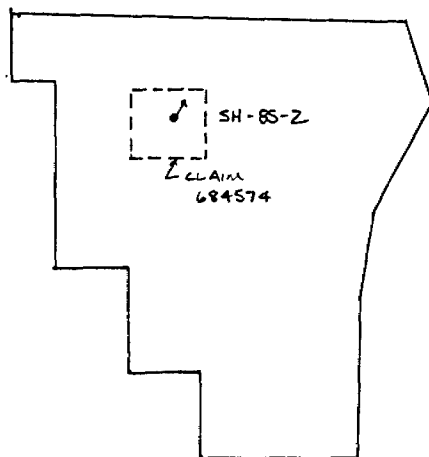
PROJECT SIMS HARKER

HOLE No. SH-85-2

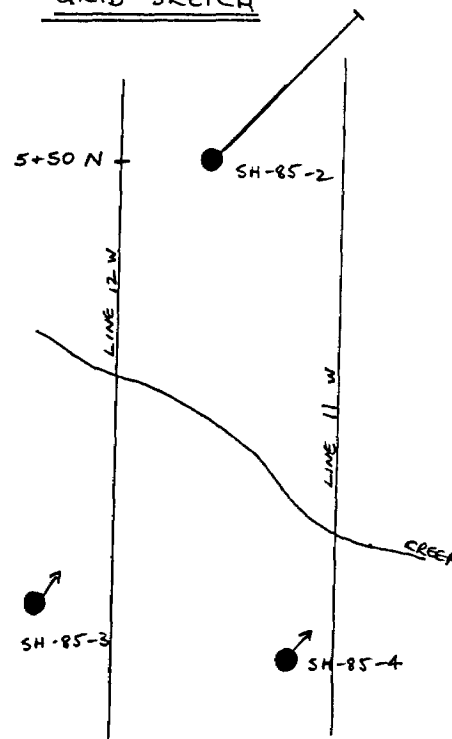
LOCATION	DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP. <u>HARKER</u>	FOOTAGE	ANGLE		<u>293'</u>	<u>FEB 21 /85</u>
CLAIM NO. <u>684574</u>		RECORDING	CORRECTED	VERTICAL COMPONENT <u>350°</u>	DATE FINISHED <u>FEB 24/85</u>
NTS <u>32 D 12</u>	<u>0</u>		<u>50°</u>	ELEVATION	BEARING <u>045°</u>
	<u>450</u>		<u>50°</u>	LATITUDE <u>11+60 W</u>	LENGTH <u>456'</u>
			DEPARTURE <u>S+50 N</u>	CORE LOCATION	PURPOSE
					TOT. RECOVERY <u>95%</u>

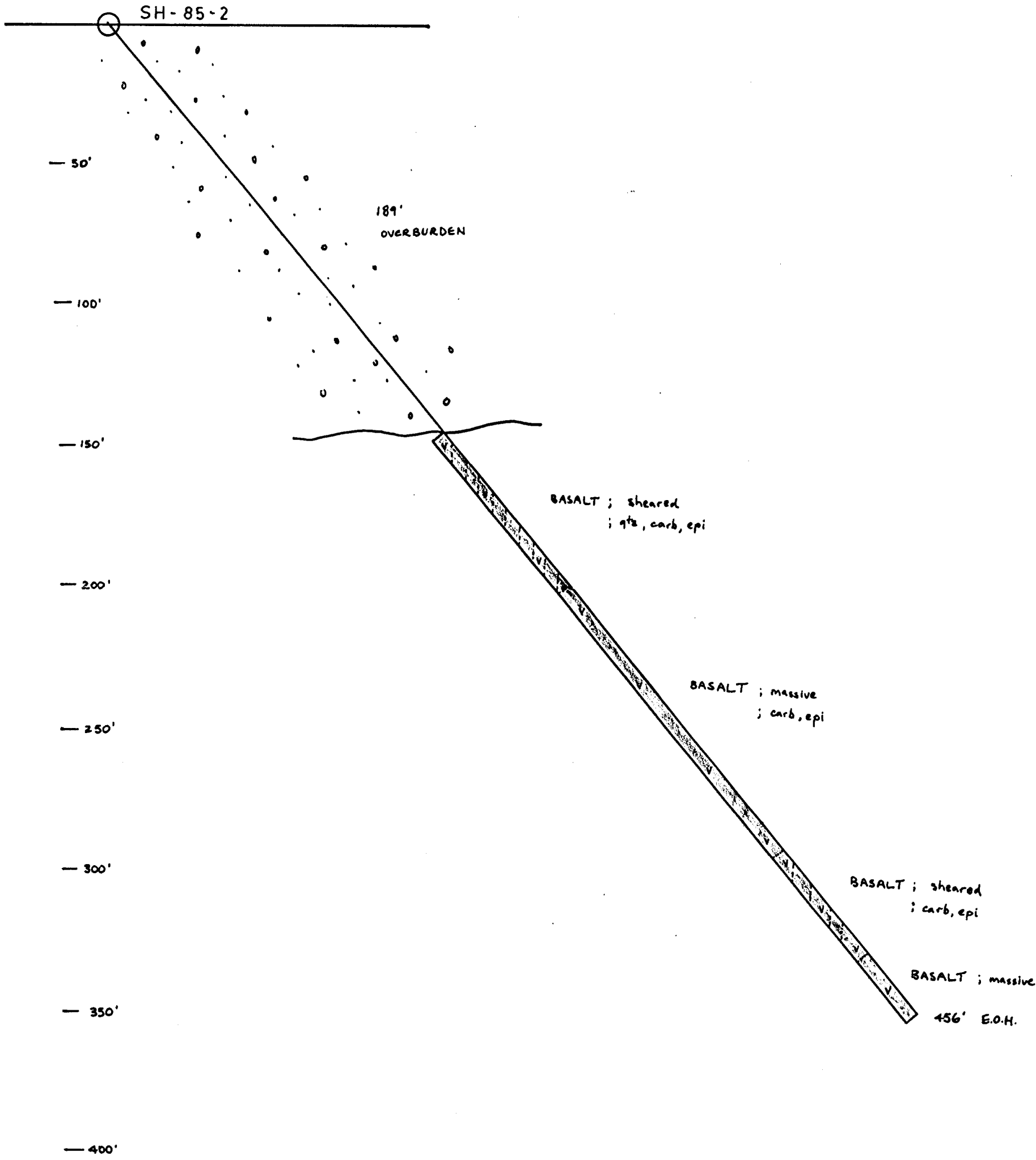
DIAMOND DRILL HOLE LOCATION SKETCH

SIMS CLAIM BLOCK



GRID SKETCH





KERR ADDISON MINES LIMITED SUDBURY ONT.	LEVEL <u>DIAMOND DRILL SECTION</u>	SCALE <u>1" = 40'</u>	DRAWN BY <u>MMB</u>	DRAWING NO.
	SUBJECT <u>SH-85-2</u>	DATE <u>MAR / 85</u>	FILE NO.	
	FACING <u>NORTHWEST</u>	C'K'D BY	<u>0-04</u>	

KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

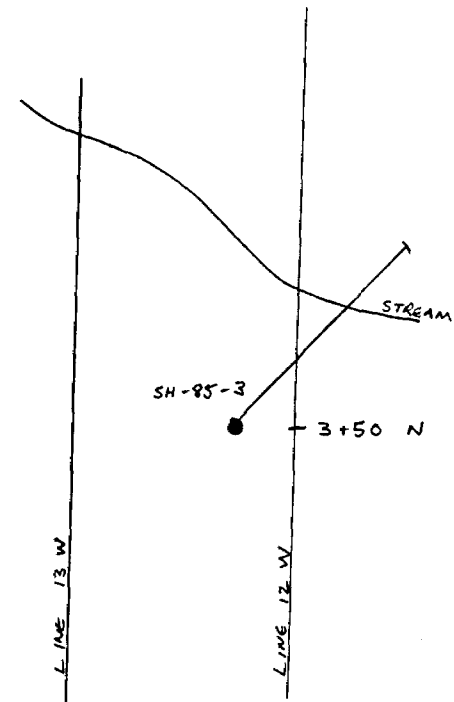
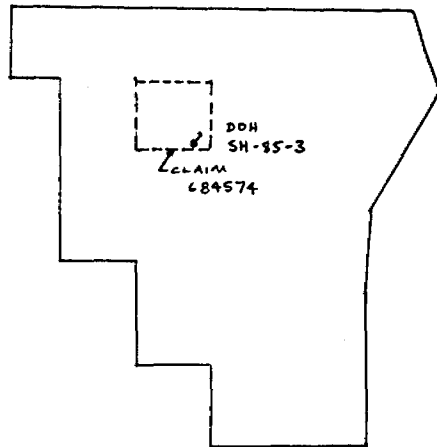
PROJECT SIMS HARKER

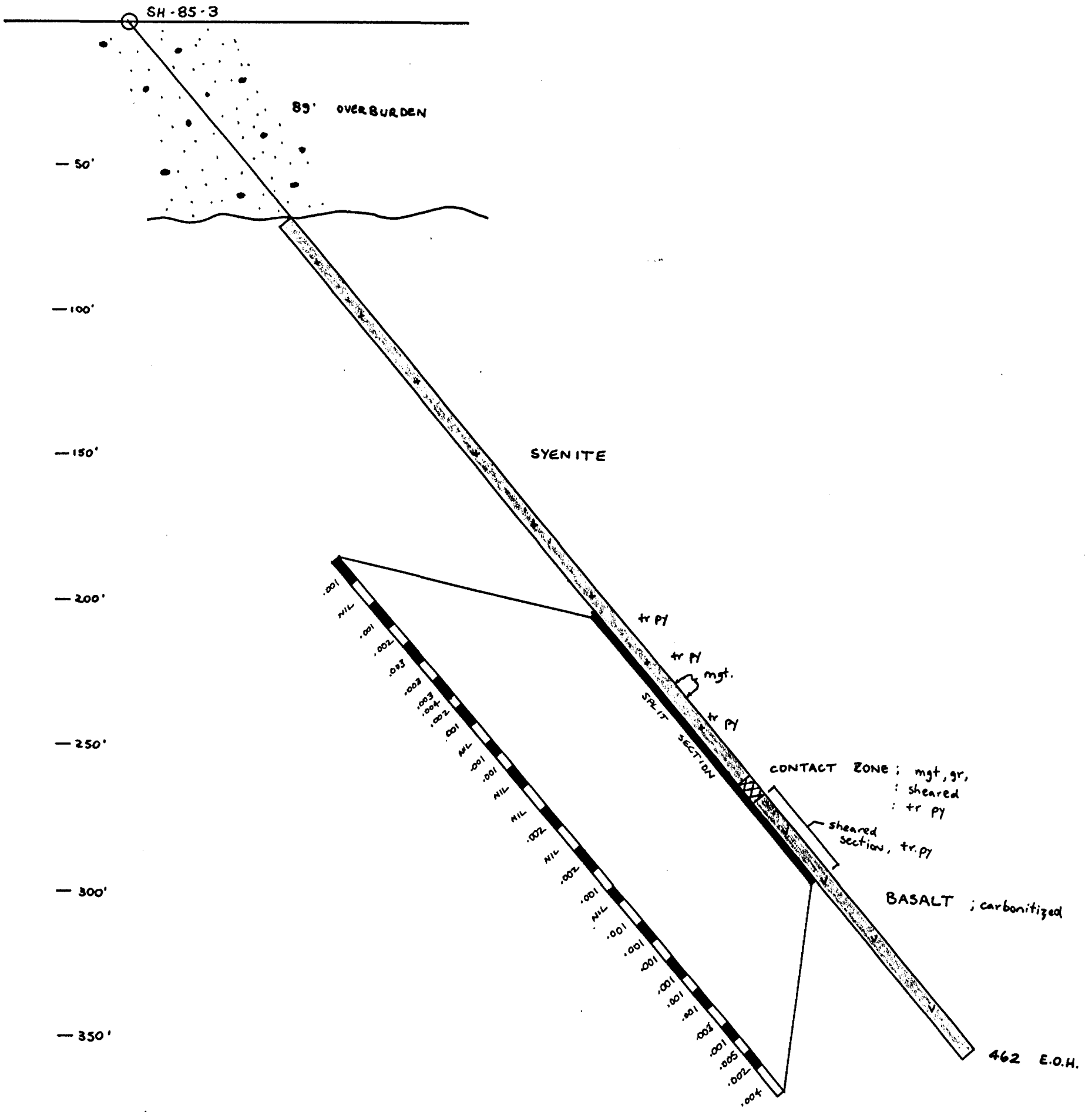
HOLE No. SH - 85 - 3

LOCATION		DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE			VERTICAL COMPONENT	DATE FINISHED
CLAIM NO.	0.0	RECORDING	CORRECTED	ELEVATION	BEARING	LOGGED BY: M. M. BRENCHLEY
HARKER TWP.	960.0		50.0°		297'	FEB 25/85
684574			49.0°		353'	FEB 28/85
NTS				LATITUDE	LENGTH	PURPOSE
32 D 12				12 + 28 W	462'	
				DEPARTURE	CORE LOCATION	TOT. RECOVERY
				3 + 50 N		100%

DIAMOND DRILL HOLE LOCATION SKETCH

CLAIM SKETCH
SIMS PROPERTY





KERR ADDISON MINES LIMITED SUDBURY ONT.	LEVEL <u>DIAMOND DRILL SECTION</u>	SCALE <u>1" = 40'</u>	DRAWN BY <u>AMB.</u>	DRAWING NO.
	SUBJECT <u>SH-85-3</u>	DATE <u>MAR/85</u>	FILE NO.	
	FACING <u>NORTHWEST</u>	C'K'D BY	<u>0-04</u>	

KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

PROJECT SIMS: 0-04.

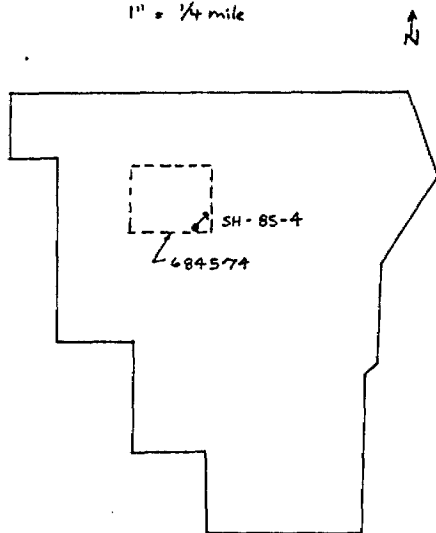
HOLE No. SH - 85 - 4

LOCATION		DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP.	HARKER	FOOTAGE	ANGLE		306'	MARCH 1/85
			RECORDING	CORRECTED		VERTICAL COMPONENT
CLAIM NO.	684574	0.0	50°		365'	MARCH 4/85
		476'				
NTS	32 D 12			ELEVATION	BEARING	LOGGED BY: M.M. BRENCHLEY
				LATITUDE	045°	PURPOSE
				DEPARTURE	476'	EXPLORATION
					CORE LOCATION	TOT. RECOVERY
				11 + 25 W		100%
				3 + 25 N		

DIAMOND DRILL HOLE LOCATION SKETCH

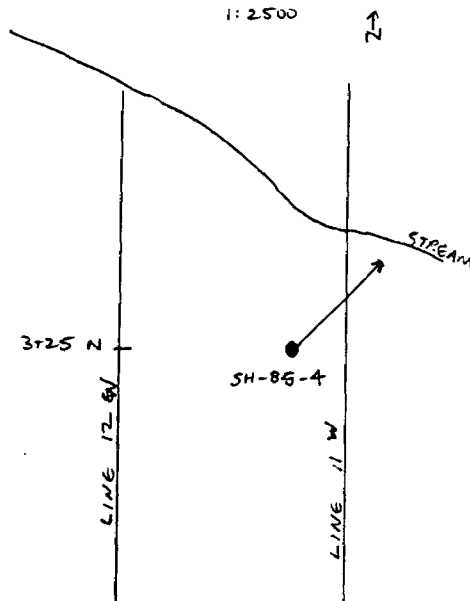
SIMS CLAIM SKETCH

1" = 1/4 mile



SIMS GRID SKETCH

1:2500



DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

 D.D.H. No. SH-85-4 PAGE 2/7


CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO		Au							
		@ 133.5 - 0.4' section of coarse grained, orange syenite; eroded grain boundaries, contains potassic alteration - trace chalcopyrite	5031	133.5	133.9	0.4	-							
151.0	158.6	SYENITE: orange grey colour, very coarse grained to pegmatitic texture - silicified and crystals surrounded by orange Kspar mineral (very fine grained) - minor cpy.	5032	151.0	154.1	3.1	-							
			5033	154.1	156.0	2.1	-							
			5034	156.0	158.6	2.6	-							
158.6	164.2	GABBRO: as above (97.0-151.0) except for; - silicified due to intrusion - partially sheared @ 40° to core axis - dark patches very magnetic - contact gradational over 2.0' - minor px, cpy	5035	158.6	161.6	3.0	-							
			5036	161.6	164.2	3.0	-							

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____

STARTED _____

DEPARTURE _____ DIP OF HOLE _____

COMPLETED _____

ELEVATION _____ DIP TESTS _____

DEPTH _____

 D.D.H. No. SH-85-4 PAGE 3/7

CLAIM No. _____



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		ALL				
164.2	172.0	SYENITE : same as 151.0 - 158.6	5037	164.0	168.0	4.0	-				
			5038	168.0	172.0	4.0	-				
172.0	196.7	GABBRO : dark green with light cream colored patches - gabbro has differentiated into two phases due to syenite emplacement	5039	172.0	176.0	4.0	-				
		- rock alternates between fine grained, mafic sections and fine grained felsic sections	5040	176.0	181.0	5.0	-				
		- mafic section is magnetite-rich.	5041	181.0	185.0	4.5	-				
		- minor py, cpY	5042	185.0	191.0	5.2	.052 .052				
			5043	191.0	193.7	2.7	-				
			5044	193.7	196.7	3.0	-				
196.7	199.8	SYENITE : as above (151-158), non-magnetic									
		- trace py	5045	196.7	199.8	3.1	.001				
199.8	210.0	GABBRO : same as above (172-196)	5046	199.8	203.0	3.2	.001				
			5047	203.0	208.0	5.0	-				
			5048	208.0	210.0	2.3	-				

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. SH-85-4 PAGE 5/7

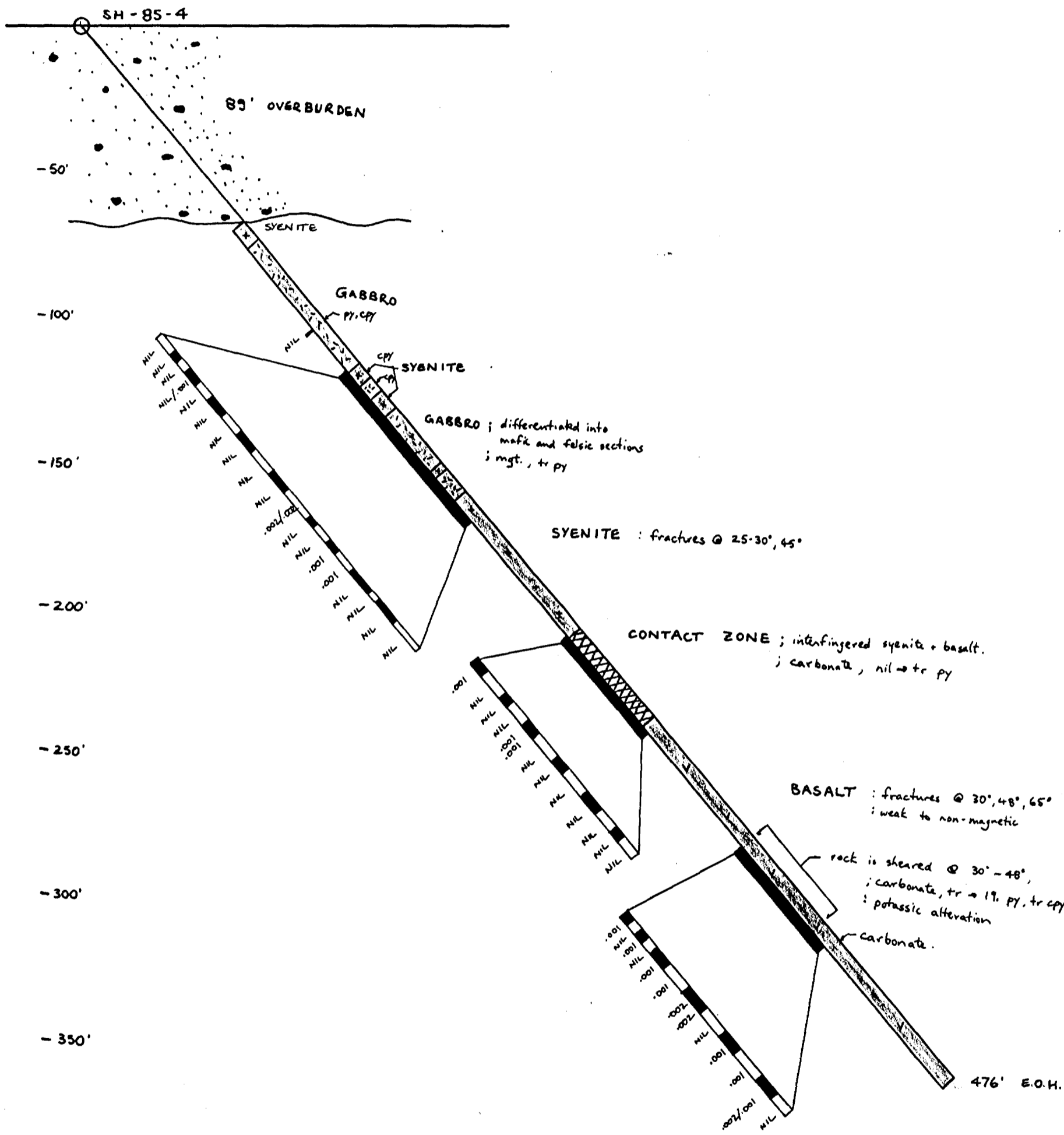
CLAIM No. _____



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		Au				
		- basaltic intervals are dark green, very fine grained, massive.	5051	272.0	275.1	3.1	.001				
		- crosscrossed by barren carbonate veinlets	5052	295.1	280.0	5.5	-				
		- contacts are sharp - very little chemical reaction between the two units, @ 60°-80°	5053	280.0	282.9	3.4	-				
		basalt @ 272.0 - 273.0, 280.5 - 281.0,	5055	286.0	289.9	3.9	.051 .001				
		282.9 - 284.0, 286.0 - 289.9,	5056	289.9	294.0	4.1	-				
		294.0 - 303.2	5057	294.0	297.1	3.1	-				
		- entire contact zone contains nil to trace py	5058	297.1	302.1	4.5	-				
			5059	302.1	306.0	4.2	-				
			5060	306.0	310.0	4.0	-				
			5061	310.0	312.7	2.7	-				
			5062	312.7	316.0	3.3	-				



KERR ADDISON MINES LIMITED
SUBBURY ONT.

LEVEL DIAMOND DRILL SECTION
SUBJECT SH - 85 - 4
FACING NORTHWEST

SCALE 1" = 40'
DATE MAR/85
C'K'D BY _____

DRAWN BY NMB
FILE NO.
0-04

DRAWING NO.

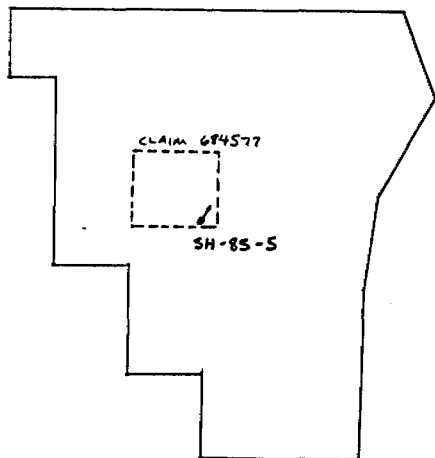
KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

PROJECT SIMS 0-04
HOLE No. SH-85-5

LOCATION		DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP.	HARKER	FOOTAGE	ANGLE		383'	MARCH 5/85
			RECORDING		VERTICAL COMPONENT	DATE FINISHED
		0'	-50°		457'	MARCH 11/85
CLAIM NO.	684577	596'	-50°	ELEVATION	BEARING	LOGGED BY: M.M. BRENCHLEY
				LATITUDE	045°	
NTS	32 D 12			DEPARTURE	LENGTH	PURPOSE
				10+50 W	596'	
				0+25 N	CORE LOCATION	TOT. RECOVERY 100%

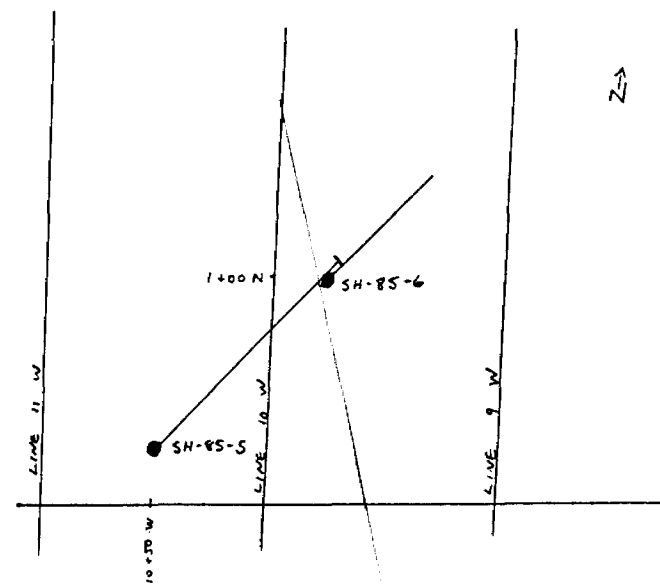
DIAMOND DRILL HOLE LOCATION SKETCH

SIMS CLAIM GROUP



↑
N
1" = 1/4 MILE

SIMS GRID SKETCH 1:2500



DIAMOND DRILL RECORD

LOGGED BY M.M. BRENCHLEY

PROPERTY SIMS - HARKER 0-04

LATITUDE 10 + 50 W BEARING OF HOLE 045° STARTED MAR 5/85

DEPARTURE 0 + 25 N DIP OF HOLE -50° COMPLETED MAR 11/85

ELEVATION _____ DIP TESTS -50° @ 590' DEPTH 596'

D.D.H. No. SH-85-5 PAGE 1/3

CLAIM No. 684577



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

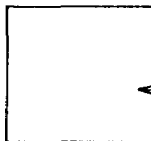
FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO		Au						
0.0	56.0	OVER BURDEN											
56.0	340.0	<u>SYENITE - GRANITE</u> - colour is orangey-grey - texture is very coarse grained to pegmatitic. - consists of large euhedral orthoclase crystals, up to 1.5 cm across, surrounded by granular quartz grains. - composition: 70-85% potassium feldspar Kfs 15-30% qtz infilling (since 20% is upper limit for qtz content of syenite, some of this rock is granite) - no mafic minerals, non-magnetic - nil. pyrite - no vesicles or evidence of hydrothermal activity. - very homogenous except for;											
			5076	106.0	110.0	4.0	NIL						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. SH-85-5 PAGE 2/3



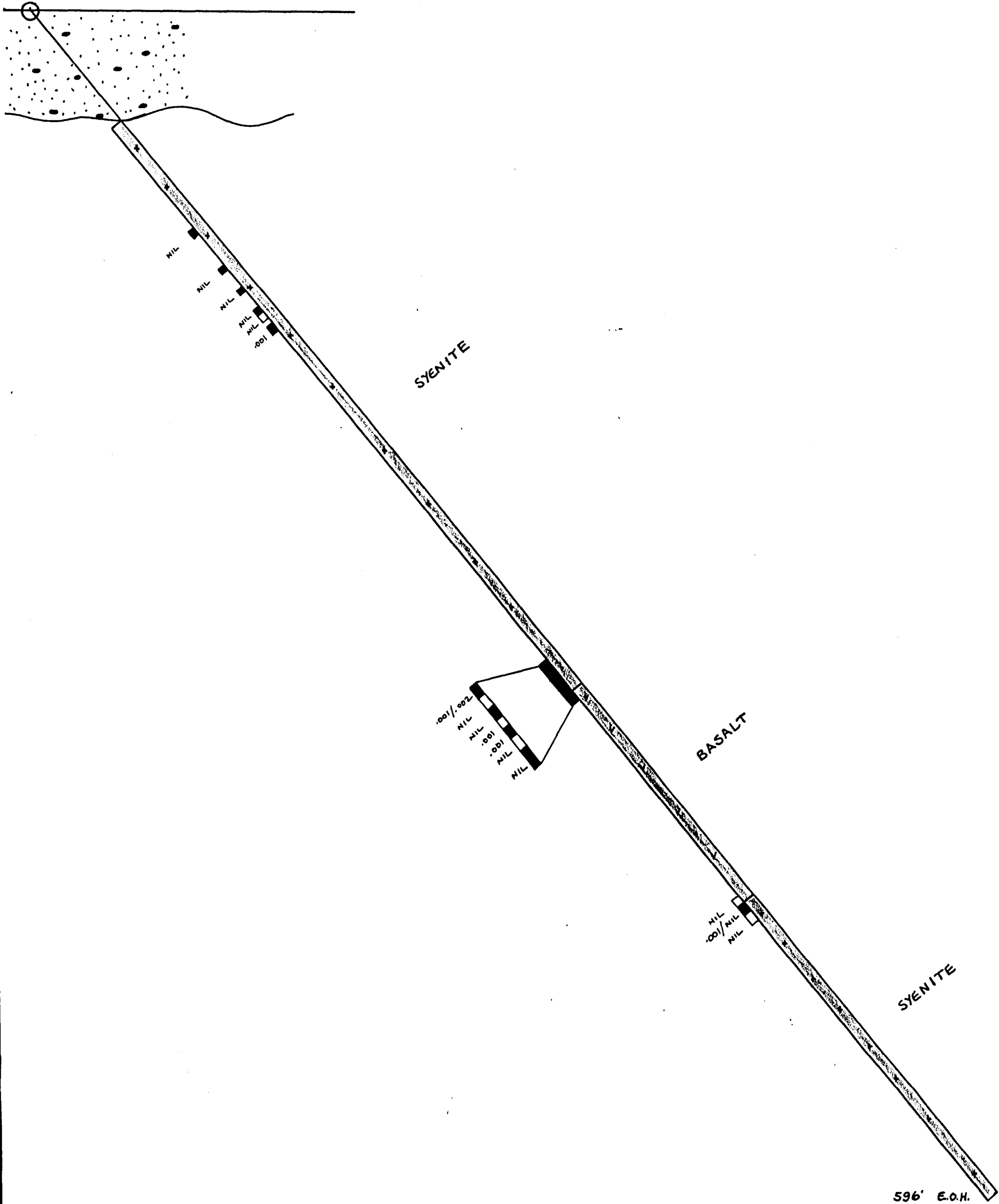
CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO		Au						
		<i>finer grained sections, composition same as above except for minor potassic enrichment</i>											
		<i>125.6 - 127.0 - weak foliation @ 60°</i>	<i>5077</i>	<i>125.6</i>	<i>127.0</i>	<i>1.4</i>	<i>NIL</i>						
		<i>136.2 - 138.1 - massive, crystal texture destroyed</i>	<i>5078</i>	<i>136.2</i>	<i>138.1</i>	<i>1.9</i>	<i>NIL</i>						
		<i>146.0 - 152.0 - fine grained, massive</i>	<i>5079</i>	<i>146.0</i>	<i>149.7</i>	<i>3.7</i>	<i>NIL</i>						
		<i>154.5 - 158.9 - fine grained, massive</i>	<i>5080</i>	<i>149.7</i>	<i>152.0</i>	<i>2.3</i>	<i>NIL</i>						
		<i>173.5 - 198.0 - fine grained, light grey, weakly foliated.</i>	<i>5081</i>	<i>154.5</i>	<i>158.9</i>	<i>4.4</i>	<i>.001</i>						
		<i>324.0 - 340.0 - syenite is orange due to potassic enrichment, crystals eroded, intrusive texture destroyed.</i>	<i>5082</i>	<i>324.0</i>	<i>327.0</i>	<i>3.0</i>	<i>.002</i>						
			<i>5083</i>	<i>327.0</i>	<i>329.8</i>	<i>2.8</i>	<i>NIL</i>						
			<i>5084</i>	<i>329.8</i>	<i>332.3</i>	<i>2.5</i>	<i>NIL</i>						
			<i>5085</i>	<i>332.3</i>	<i>334.8</i>	<i>2.5</i>	<i>.001</i>						
			<i>5086</i>	<i>334.8</i>	<i>337.0</i>	<i>2.8</i>	<i>NIL</i>						
			<i>5087</i>	<i>337.0</i>	<i>340.0</i>	<i>3.0</i>	<i>NIL</i>						

SH-85-5



KERR ADDISON MINES LIMITED
 SUDBURY ONT.

LEVEL DIAMOND DRILL SECTION
 SUBJECT SH-85-5
FACING NORTHWEST

SCALE 1" = 40'
 DATE MAR / 85
 C'K'D BY _____

DRAWN BY MMB
 FILE NO.
0-04

DRAWING NO.

596' E.O.H.

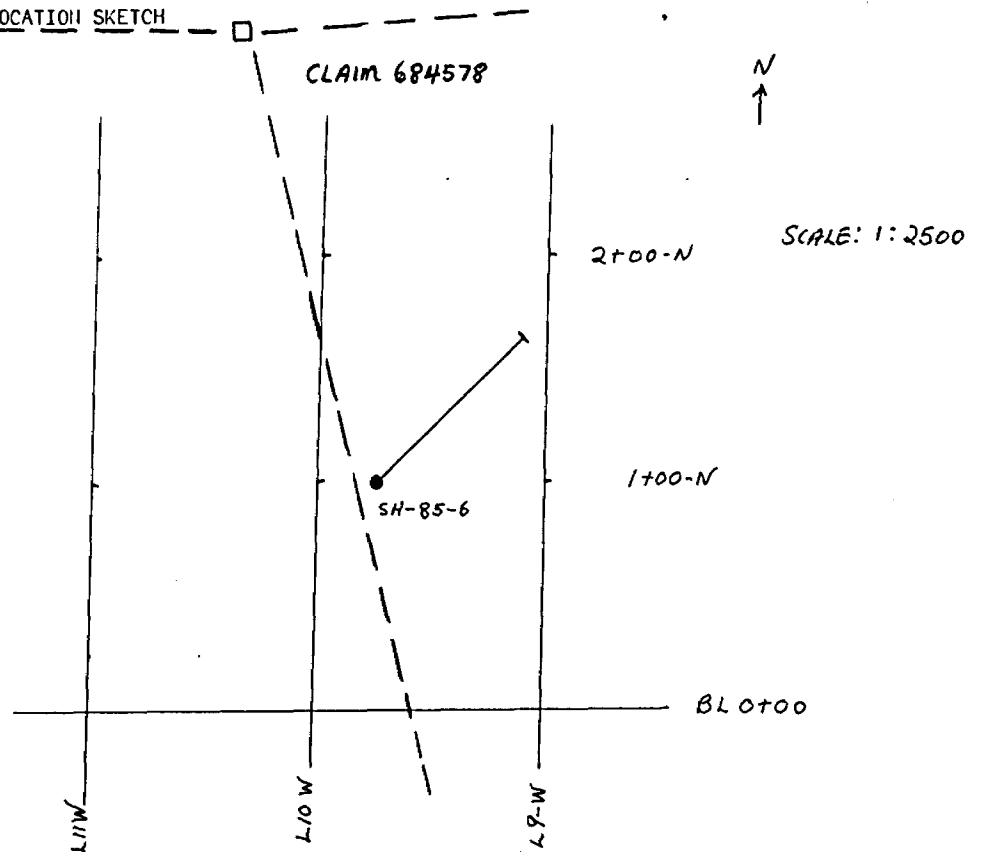
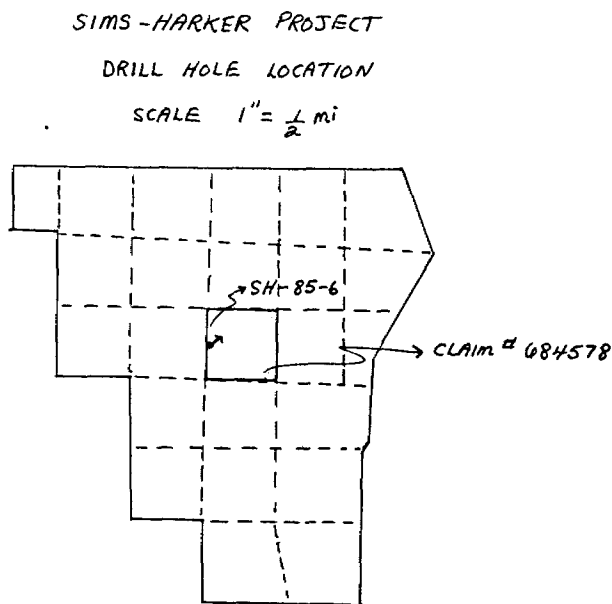
KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

PROJECT SIMS-HARKER

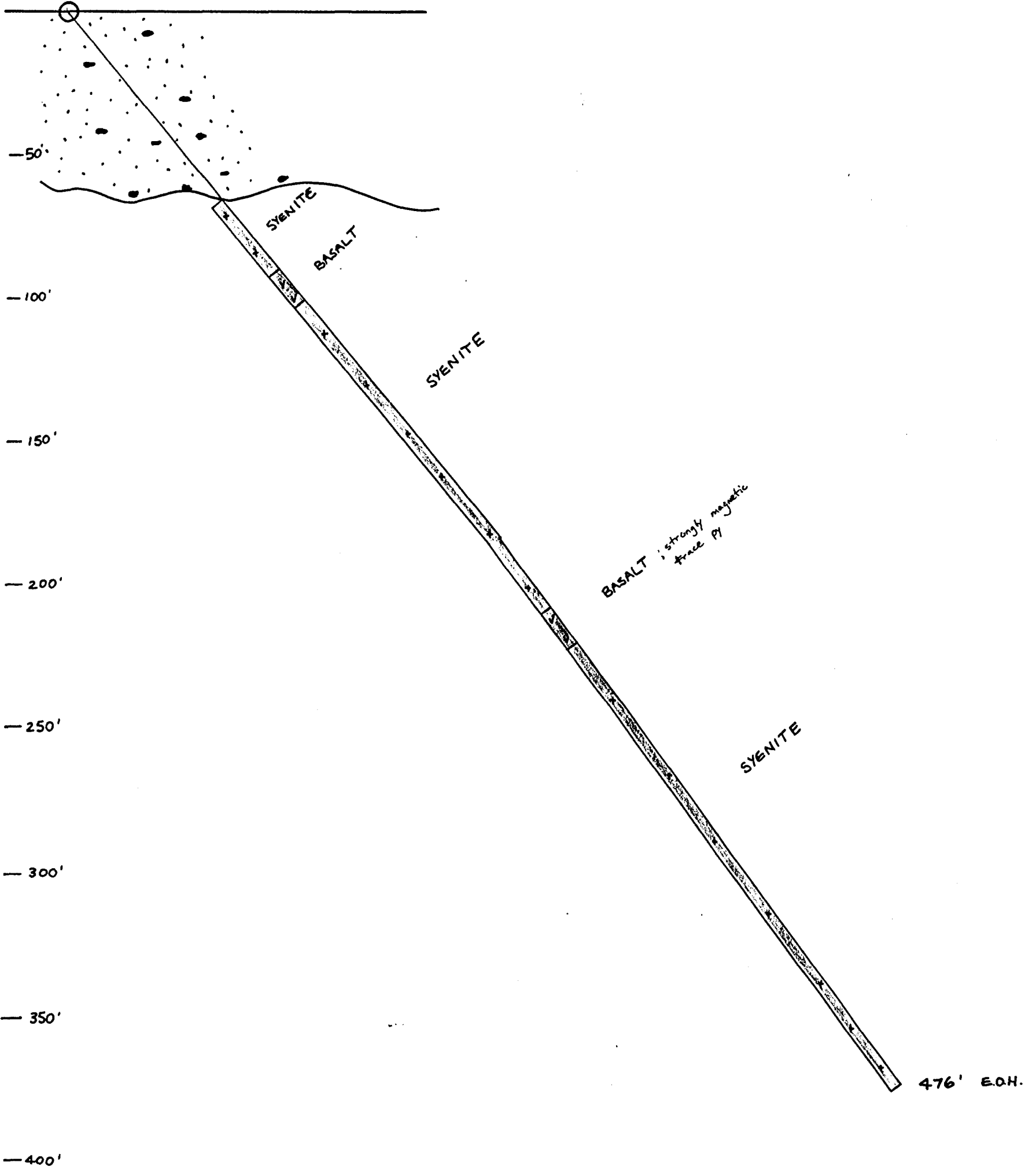
HOLE No. SH-85-6

LOCATION	DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP. <u>HARKER</u>	FOOTAGE	ANGLE		VERTICAL COMPONENT	DATE FINISHED
		RECORDING	CORRECTED		
CLAIM NO. <u>684578</u>	<u>475'</u>		<u>-53°</u>	ELEVATION	LOGGED BY: <u>M.M. BRENCHLEY M.P. LEWIS</u>
ITS			LATITUDE <u>9+75-W</u>	BEARING <u>045°</u>	PURPOSE
			DEPARTURE <u>1+00-N</u>	LENGTH <u>476' (145m)</u>	TOT. RECOVERY <u>100%</u>
			CORE LOCATION		

DIAMOND DRILL HOLE LOCATION SKETCH



SH-85-6



KERR ADDISON MINES LIMITED
SUDBURY ONT.

LEVEL DIAMOND DRILL SECTION
SUBJECT SH-85-6
FACING NORTHWEST

SCALE 1" = 40'
DATE MAR/85
C'K'D BY _____

DRAWN BY MMS
FILE NO.
0-04

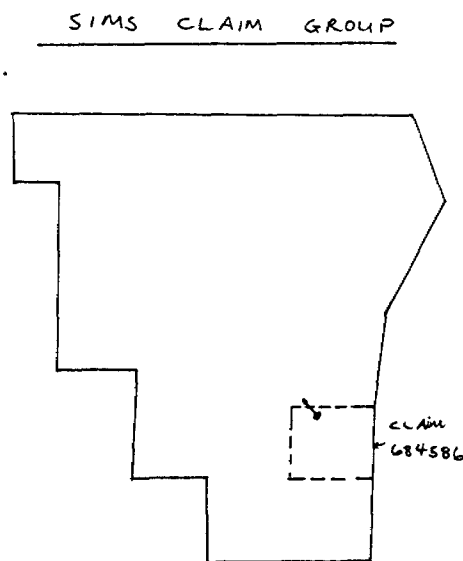
DRAWING NO.

KERR ADDISON MINES LTD DIAMOND DRILL HOLE RECORD

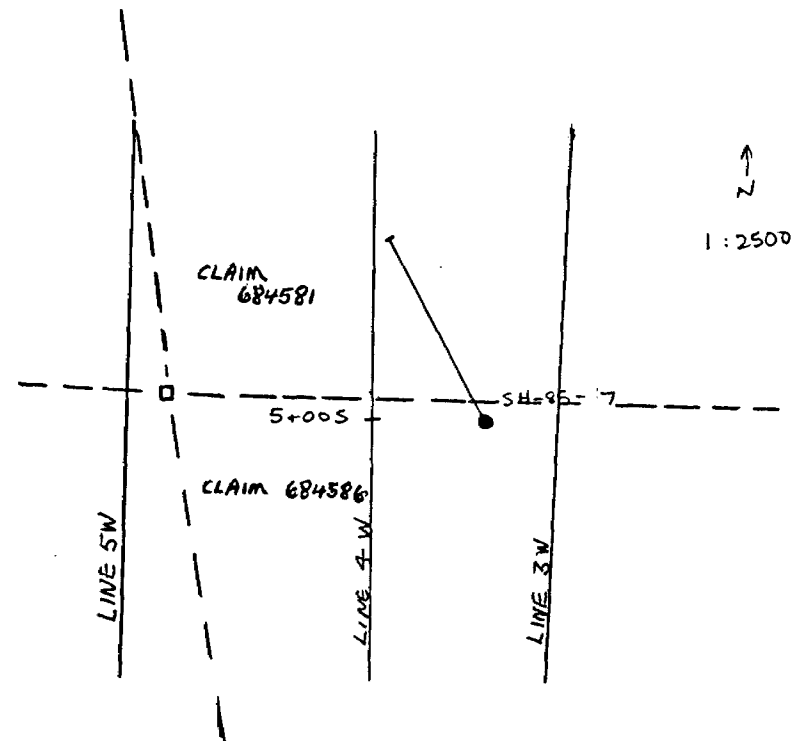
PROJECT SIMS. 0-04.
HOLE No. SH-85-7

LOCATION		DIP TEST		LEVEL	HORIZONTAL COMPONENT	DATE STARTED
AREA or TWP.	HARKER	FOOTAGE	ANGLE		VERTICAL COMPONENT	DATE FINISHED
			RECORDING	CORRECTED		
CLAIM NO.	684586	0 450'		50°	289'	MAR 17/85
					345'	MAR 20/85
NTS	32 D S				BEARING 330°	LOGGED BY: M.M. BRENCHLEY
				ELEVATION	LENGTH 450'	PURPOSE
				LATITUDE 3+50 W	CORE LOCATION	TOT. RECOVERY 100%
				DEPARTURE 5+00 S		

DIAMOND DRILL HOLE LOCATION SKETCH



↑
N
1" = 1/2 MILE




DIAMOND DRILL RECORD

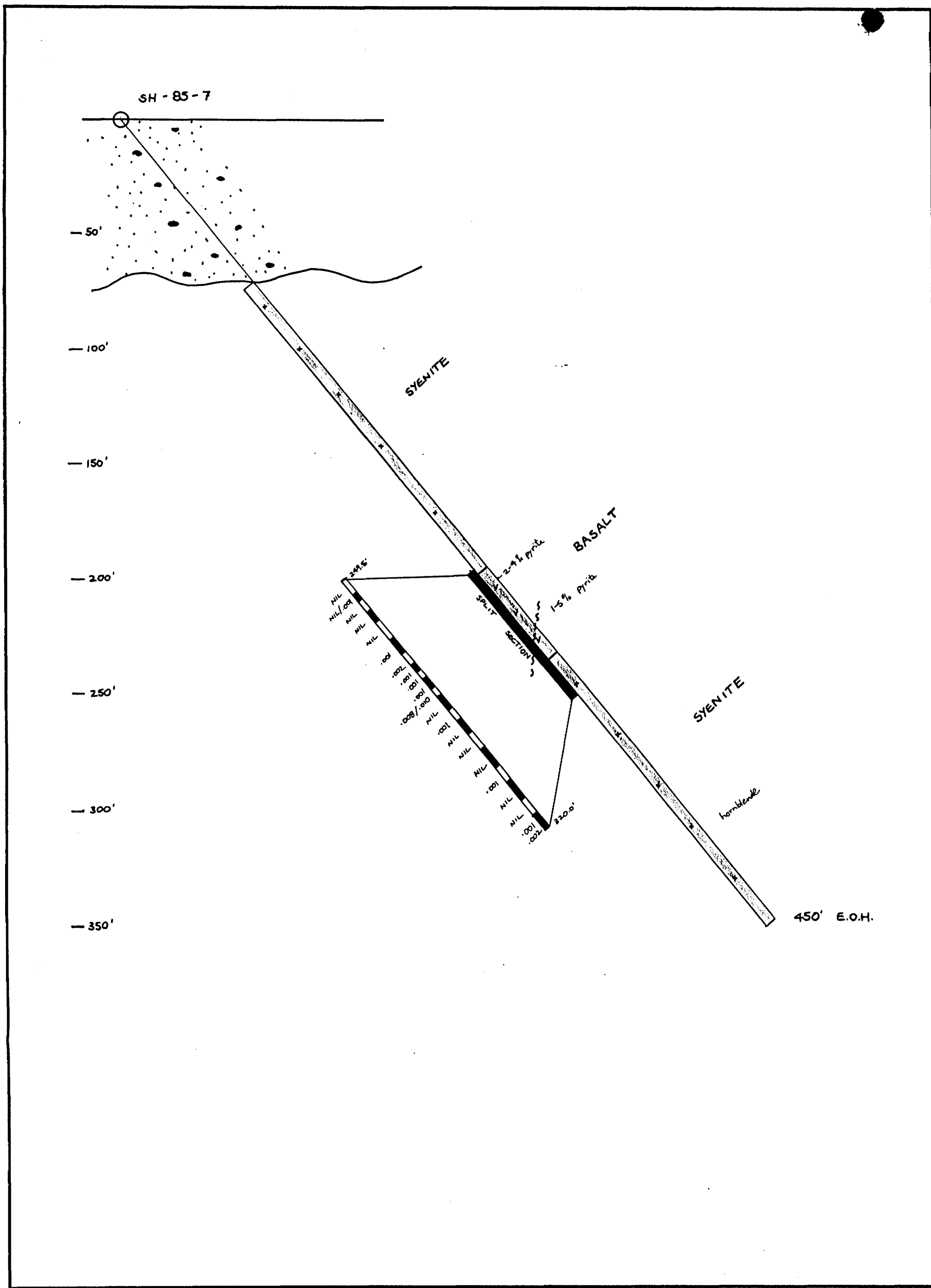
LOGGED BY _____

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. SH-85-7 PAGE 2/3

CLAIM No. _____

 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		Au				
		- 50% felsic ... feldspar, quartz. 50% mafic ... hbl, chlorite. - weakly magnetic	5093	253.5	255.0	1.5	NIL				
			5094	255.0	258.5	3.5	NIL				
		253.5 - 255.0 - 1.5' section contains 2-4% pyrite	5095	258.5	261.5	3.0	NIL				
			5096	261.5	266.0	4.8	NIL				
		271.0 - 283.5 - section contains altered syenite mixed with volc.	5097	266.0	270.5	4.5	.001				
			5098	270.5	273.4	2.9	.002				
		- contains pyrite 1-3%	5099	273.4	275.4	2.0	.001				
		286.0 - 289.5 - Fault Zone - fault gouge with breccia fragments with green chlorite paste.	5100	275.4	277.7	2.3	.001				
			5101	277.7	280.4	2.7	.001				
			5102	280.4	282.9	2.5	.010 .009				
		- slickenside surfaces w/ graphite - sheared @ 18-20° to core axis	5103	282.9	286.0	3.0	NIL				
			5104	286.0	289.5	3.5	.001				
		- carbonaceous	5105	289.5	293.7	4.2	NIL				
		- 5% pyrite	5106	293.7	297.0	3.5	NIL				
			5107	297.0	302.1	5.1	NIL				



KERR ADDISON MINES LIMITED SUDBURY ONT.	LEVEL <u>DIAMOND DRILL SECTION</u>	SCALE <u>1" = 40'</u>	DRAWN BY <u>MMB</u>	DRAWING NO.
	SUBJECT <u>SH-85-7</u>	DATE <u>MAR/85</u>	FILE NO.	
	FACING <u>WEST</u>	C'K'D BY _____	<u>0-04</u>	



The A

32012SW0075 41 HARKER

900

Name and Postal Address of Recorded Holder
KERR ADDISON MINES LTD. 174 LARCH ST | A-35072
SUDBURY ONT. P3E 1C6

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 3313 3312	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		684565	138		684573	138		684581	138
		684566	138		684574	138		684582	138
		684567	138		685575	138		684583	138
		684568	138		685576	138		684585	138
		684569	138		684577	138		684586	138
		684570	138		684578	138		684587	138
		684571	138		684579	138		684588	138
		684572	138		684580	138		684584	138

All the work was performed on Mining Claim(s): 684574, 684575, 684577, 684578, 684581, 684586.

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

3313 feet of BQ wireline drilling
 DRILLED BY HEATH + SHERWOOD LTD
 KIRKLAND LAKE, ONT

DATE : FEB. 15 / 85 to MAR. 20 / 85

CORE STORED @ KERR ADDISON MINE, VIRGINIATOWN ONT.

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 RESEARCH OFFICE

LAKELAND MINING DIV.
RECEIVED
 MAY 10 1985

AM 7 18 9 10 11 12 1 2 3 4 5 6 PM

RECORDED MAY 10 1985
 REC. No. _____

Date of Report: *April 15/85* Recorded Holder or Agent (Signature): *Mark Brenchley*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
MARK M. BRENCHLEY KERR ADDISON MINES LTD. 174 LARCH ST. SUDBURY ONT P3E 1C6

Date Certified: *April 15/85* Certified by (Signature): *Mark Brenchley*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch, these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work	Nil		
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		