



32005NW0360 65 HARKER

010

DIAMOND DRILLING

TOWNSHIP: HARKER TOWNSHIP

REPORT NO: # 65

WORK PERFORMED FOR: INDEPENDENT MINING CORPORATION

RECORDED HOLDER: SAME AS ABOVE [X]

: OTHER [ ]

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 579093	MC.88-466	297.8'	JUKY-SEPT/88	(1)
	MC.88-467	349.6'	JULY SEPT/88	(1)
L 579095	MC.88-474	749.8'	JULY-SEPT/88	(1)
L 579097	MC.88-460	267.3	JULY-SEPT/88	(1)

1664.5'

NOTES: (1) W 9008.3277, FILED DECEMBER 5TH, 1990

#1

Co-ords: 9470.2 2479.7

DIAMOND DRILL RECORD

HOLE NO.: MC.80-474

Azimuth: 7.0

Section: 2480.0

Property: Independent Mining

Dip: -53.0

Core Size: BQ

Location: 2480E 9470N

Elevation: 5006.0

Date Started: September 23, 1988

Length: 230.7

Date Completed: September 27, 1988

Measurement: Metric

Logged by: K. Kryklywy

*K. Kryklywy*

Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-50.5	137.16		-44.0			
91.44		-47.0	182.88		-44.0			

-----Log Summary-----

.00 19.72 OVERBURDEN.  
 19.72 111.00 ARKOSE.  
 111.00 113.27 70% SILICIFIED.  
 113.27 123.03 ARKOSE.  
 123.03 143.10 BASALT.  
 143.10 143.30 FAULT ZONE.  
 143.30 149.15 TRANSITIONALLY SILICIFIED ZONE.  
 149.15 156.33 30% SILICIFIED.  
 156.33 184.00 BASALT.  
 184.00 209.21 SYENITE.  
 209.21 224.97 BASALT.  
 224.97 230.74 SYENITE.  
 230.74 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
.00	19.72	OVERBURDEN							
19.72	111.00	ARKOSE							
			42836	51.00	52.00	1.00	TR	.000	nil
			42837	52.00	52.50	.50	TR	.010	.02
		Medium greenish-grey, fine grained, generally massive with minor weakly bedded to argillaceous sections. Locally bedded at 30 to 45 degrees to the core axis ( increasing down section ). Minor fine quartz-carbonate veining. Some veins have traces of sphalerite or galena. Moderately fractured. 1% trace pyrite. Trace pyrrhotite.	42838	52.50	53.50	1.00	TR	.030	.03
			42839	69.62	70.13	.51	3-5	.046	.09
		24.55 Calcite vein ( 3 cm wide ) with traces of sphalerite and galena.	42840	105.80	107.00	1.20	1-2	.024	.02
			42841	107.00	108.00	1.00	1-2	.000	nil
			42842	108.00	109.00	1.00	1-2	.010	.01
			42843	109.00	110.00	1.00	1-2	.000	nil
			42844	110.00	111.00	1.00	1-2	.010	.01
		52.23 52.35 White quartz vein at 60/35 degrees to the core axis with trace pyrite.							
		60.30 60.50 Felsic intrusive. Dirty grey, fine to very fine grained and silicified. Contacts at 25/60 degrees to the core axis. 10 cm strongly foliated mafic zone above upper contact at 15 degrees to the core axis.							
		60.05 60.27 Felsic intrusive. Same as described above from 60.30 to 60.50. Contacts at 7/50 degrees to the core axis.							
		69.62 70.13 3 to 5% finely disseminated pyrite.							
		105.80 111.00 Local argillaceous bands at 20 to 50 degrees to the core axis. Some contorted bedding. 1 to 2% finely disseminated pyrite							
111.00	113.27	70% SILICIFIED							
			42803	111.00	112.00	1.00	2-4	.030	.03
			42804	112.00	113.27	1.27	2-4	.063	.05
		Grey to brown coloured, fine grained and massive to well brecciated with silicification occurring in pervasive patches up to 30 cm wide or as halos around fractures. Higher silicification occurs in more brecciated or fractured zones. Silicification often appears 'cherty'. Locally foliated at 30 to 50 degrees to the core axis. 2 to 4% finely disseminated or fracture filling pyrite. Fine calcite veining throughout. Unit was originally an ARKOSE.							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
113.27 123.03 ARKOSE									
			42805	113.27	114.00	.73	1	.000	nil
			42806	114.00	115.00	1.00	1	.020	.02
			42807	115.00	116.00	1.00	1	.000	nil
			42808	122.03	123.03	1.00	2-5	.030	.03
		Dark grey, fine to very fine grained, massive. Moderately fractured. Non-calcitic. 1% finely disseminated or stringers of pyrite. 2% quartz-carbonate veining at all orientations with some concentrations of fine pyrite. Increasing pyrite to 5% over lower 60 cm of unit. Lower contact not sharp but marked by change to flowtop (?) breccia of underlying basalt.							
113.27	116.00	Minor ( less than 5% ) brown - grey silicified patches up to 5 cm wide. 1% finely disseminated pyrite.							
123.03 143.10 BASALT									
			42809	123.03	123.55	.52	5-10	.010	.02
			42845	123.55	124.48	.93	TR	.000	nil
			42846	124.48	125.55	1.07	1	.364	.34
			42847	141.83	143.10	1.27	TR-1	.000	nil
123.03	123.55	Breccia. Possible flow top breccia. Grey - green - buff, finely brecciated to fractured with fine calcite veining throughout. 5 to 10% very finely disseminated pyrite. Some magnetic patches. Patchy silicification.							
123.55	136.55	Fine grained massive flow. Dark green, locally medium grained, finely fractured, local calcitic patches. Trace to 1% finely disseminated pyrite. Local brecciated sections. Several red syenitic dykes up to 50 cm wide. Local black magnetic dykes up to 5 cm wide.							
124.48	125.55	5 to 10% fine calcite veining at all angles. Brittle fracturing.							
127.69	128.17	Syenitic. Pink - red, fine grained with grey - black, very fine grained, soft, irregular micaceous? spots up to 1 cm wide. Contacts at 50 degrees to the core axis.							
129.71	130.27	Syenitic dyke. Same as described above from 127.69 to 128.17. Contacts at 50/55 degrees to the core axis.							
131.21	131.60	Syenitic dyke. Same as described above from 127.69 to 128.17. Contacts at 50/85 degrees to the core axis.							
134.20	136.55	Becoming gradationally more medium grained.							
136.55		Lower contact at 05 degrees to the core axis.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
136.55	137.50	Breccia. Moderately brecciated, fractured and strongly calcitic. Lower contact at 20 degrees to the core axis.							
137.50	143.10	Fine grained massive flow. Same as described above from 123.55 to 136.55.							
138.97	139.18	Syenitic dyke. Same as described above from 127.69 to 128.17. Contacts at 50/irregular degrees to the core axis. 2% finely disseminated pyrite.							
139.73	139.83	Syenitic dyke. Same as described above from 127.69 to 128.17. Contacts at 30/55 degrees to the core axis.							
140.85	141.10	Syenitic dyke. Same as described above from 127.69 to 128.17. Minor basalt inclusions. Contacts at 40 degrees to the core axis.							
141.83	143.10	Brecciated. Becoming increasingly fractured and brecciated down section. Trace to 1% pyrite.							

143.10 143.30 FAULT ZONE

42810 143.10 143.60 .50 1-4 .015 .03

Green - grey, finely ground consolidated zone. Highly calcitic. Strong green clay infilling of fault breccia over upper 2 cm. Fault at 20 degrees to the core axis.

143.30 149.15 TRANSITIONALLY SILICIFIED ZONE

42811 143.60 145.00 1.40 TR-1 .014 .01  
 42812 145.00 146.00 1.00 TR-1 .020 .02  
 42813 146.00 147.00 1.00 TR-1 .010 .01  
 42814 147.00 148.00 1.00 TR-1 .000 nil  
 42815 148.00 149.15 1.15 TR-1 .046 .04

Less than 5% silicification.  
 Highly brecciated with medium to dark green to brown - green fine grained annealed basalt fragments. Finely fractured throughout with calcite fracture filling or yellow - green halos along fractures. Generally non-calcitic. Generally trace to 1% finely disseminated pyrite except from 149.30 to 149.60 - 4% pyrite.

149.15 156.33 30% SILICIFIED

42816 149.15 150.00 .85 1-3 .034 .04  
 42817 150.00 151.00 1.00 TR-1 .000 nil  
 42818 151.00 152.00 1.00 TR-1 .000 nil  
 42819 152.00 153.00 1.00 TR-1 .000 nil

Light to dark green coloured and highly fractured to brecciated with orange to buff to brown to grey coloured

AMERICAN BARRICK RESOURCES CORPORATION

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From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		silicified patches or halos along fractures. Local dark purple hematized patches or red hematite filling along fractures. Unit looks like it may have originally been a flow breccia or pillowed flow. Generally trace to 1% finely disseminated pyrite. Minor local patches up to 40 cm wide of 3% finely disseminated pyrite. Core is fairly fractured. 5% white quartz-carbonate veining. Non-calcitic. Strong patchy ankeritic alteration.	42820	153.00	154.00	1.00	TR-1	.000	nil
			42821	154.00	155.00	1.00	TR-1	.000	nil
			42822	155.00	156.33	1.33	TR-1	.000	nil
156.33	184.00	BASALT							
			42823	156.33	157.00	.67	TR-1	.000	nil
			42824	157.00	158.00	1.00	TR-1	.000	nil
156.33	184.00	Pillowed flow. Poorly defined near top of unit, becoming better defined down section. Generally fine to very fine grained and massive, fractured pillow centers with narrow sheared to brecciated to epidotized to calcitic pillow rims or selvages. Trace to 1% finely disseminated pyrite. Minor local amygdular patches.	42825	158.00	159.00	1.00	TR-1	.000	nil
			42826	159.00	160.00	1.00	TR-1	.000	nil
			42827	160.00	161.00	1.00	TR-1	.000	nil
			42828	161.00	162.00	1.00	TR-1	.000	nil
			42829	162.00	163.00	1.00	TR-1	.000	nil
			42830	163.00	164.00	1.00	TR-1	.000	nil
			42831	164.00	164.55	.55	TR-1	.011	.02
156.33	164.55	Fairly well fractured with 5% fine calcite veining and minor (less than 5%) patchy silicification. Local blocky, highly fractured core over 50 cm widths.							
166.45	178.22	Porphyritic. 2% white, anhedral phenocrysts up to 1 cm across.							
180.22	180.35	Syenitic dyke. Pink - red, fine grained with very fine grained, grey micaceous spots or fracture filling. Contacts at 25 degrees to the core axis.							
182.70	182.80	Syenitic dyke. Same as described above from 180.22 to 180.35. Contacts at 80/90 degrees to the core axis.							
184.00		Sharp lower contact at 35 degrees to the core axis							
184.00	209.21	SYENITE							
			42848	208.48	209.21	.73	TR	.007	.01
		Pink to grey to red to yellowish to greenish coloured, fine to coarse grained. Many different phases of syenite. Generally weakly fractured. Non-magnetic. Minor basalt xenoliths. Trace pyrite. Local patches of black altered mafic minerals.							
201.54	202.14	Basalt xenolith. Dark green, fine grained massive. Contacts at 75/65 degrees to the core axis.							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
208.11	208.48	Basalt xenolith. Dark green fine grained massive with fine grained leucoxene (?) alteration. Contacts at 50/40 degrees to the core axis.							
209.21		Lower contact at 35 degrees to the core axis.							
209.21 224.97 BASALT									
			42849	209.21	210.21	1.00	TR	.000	nil
			42850	223.43	224.43	1.00	TR	.000	nil
209.21	224.43	Fine grained massive flow. Possibly pillowed flow. Dark green, fine grained, massive and moderately fractured with 2% hairline calcite veining. Possible pillow rims outlined by narrow altered to brecciated bands up to 1 cm wide. Minor quartz-carbonate veining up to 5 cm wide. Trace pyrite. Non-magnetic. Sharp lower contact at 40 degrees to the core axis.	42851	224.43	224.97	.54	TR	.011	.02
211.93	213.15	Syenitic dyke at 35/50 degrees to the core axis. Same as described above from 184.00 to 209.21.							
224.43	224.97	Mafic intrusive. Black, fine grained, moderate pervasive calcitic alteration. Moderately fractured. Appears to be a deformation zone between basalt and syenite. Sharp lower contact at 50 degrees to the core axis.							
224.97 230.74 SYENITE									
			42852	224.97	225.97	1.00	TR	.000	nil
		Same as described above from 184.00 to 209.21. Locally foliated at 20 to 30 degrees to the core axis.							
		230.74 END OF HOLE.							

#2

AMERICAN BARRICK RESOURCES CORPORATION

Co-ords: 9438.0 2074.5

DIAMOND DRILL RECORD

HOLE NO.: ~~ND88-460~~

Azimuth: 2.0

Section: 2075E

Property: Independent Mining

Dip: -35.0

Core Size: 80

Location: 2075E 9440N

Elevation: 5002.0

Date Started: July 4, 1988

Length: 267.3

Date Completed: July 8, 1988

Measurement: metric

Logged by: K. Kryklywy

Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-52.0	137.16		-44.0	267.31		-34.5
91.44		-48.5	228.60		-39.5			

-----Log Summary-----

.00 45.23 OVERBURDEN.  
 45.23 122.72 ARKOSE.  
 122.72 124.67 ARGILLITE.  
 124.67 147.17 ARKOSE.  
 147.17 156.42 ARGILLITE.  
 156.42 190.95 ARKOSE.  
 190.95 191.24 ARGILLITE.  
 191.24 192.40 ARKOSE.  
 192.40 192.73 ARGILLITE.  
 192.73 193.58 ARKOSE.  
 193.58 194.92 ARGILLITE.  
 194.92 247.37 ARKOSE.  
 247.37 251.25 10% SILICIFIED.  
 251.25 258.14 100% SILICIFIED.  
 258.14 267.31 ARKOSE ( possibly basalt ).  
 267.31 END OF HOLE.



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From To -----Description----- Sample From To Length % Sul SW Au g/t

.00 45.23 OVERBURDEN

45.23 122.72 ARKOSE

Fine to very fine grained, massive. Dark greenish-grey, non-magnetic, moderately fractured. Non-calcitic. Trace pyrite. Minor pyritic fracture lining. Minor fine calcite stringers. Minor weakly laminated sections at 40 degrees to the core axis.

100.06 100.68 Veining. 10 to 20X irregular quartz-carbonate veining subparallel to core axis. 1 to 3X finely disseminated pyrite associated with veining.

105.33 106.03 Mafic intrusive. Dark greenish-grey, medium grained, strongly calcitic. 10 to 15% finely disseminated biotite throughout. Sharp contacts at 60 degrees to the core axis.

108.32 122.72 Laminated locally at 30 to 45 degrees to the core axis.

42513	99.06	100.06	1.00	TR	.020	.02
42514	100.06	100.68	.62	1-3	.074	.12
42515	100.68	101.68	1.00	TR	.030	.03
42516	121.72	122.72	1.00	TR	.000	nil

122.72 124.67 ARBILLITE

Black, very fine grained, finely laminated at 30 to 40 degrees to the core axis with some narrow light grey fine grained arkosic bands. 1 to 3% finely disseminated pyrite with minor clots of pyrite. Contacts of unit at 45/40 degrees to the core axis.

42517	122.72	123.70	.98	1-3	.000	nil
42518	123.70	124.67	.97	1-3	.010	.01

124.67 147.17 ARKOSE

Fine to very fine grained, massive. Medium to dark greenish-grey, non-magnetic, non-calcitic, locally

42519	124.67	125.67	1.00	TR	.000	nil
42520	127.76	128.19	.43	TR	.000	nil
42521	146.00	147.17	1.17	TR	.000	nil

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From	To	Description	Sample	From	To	Length	X Sul	GW	Au g/t
		laminated at 35 to 40 degrees to the core axis. Moderately fractured. Minor fine calcite veining.							
125.45	125.66	ARBILLITE. 50% black ARBILLITE bands finely laminated at 50 degrees to the core axis.							
127.76	128.19	Veining. 20% irregular white quartz veining. Barren.							
146.33	146.43	White barren quartz vein at 25/30 degrees to the core axis.							
147.17		Sharp contact at 50 degrees to the core axis.							
147.17	156.42	ARGILLITE	42522	147.17	148.00	.83	2-5	.000	nil
			42523	148.00	148.50	.50	2-5	.000	nil
		Black, very fine grained, finely laminated at 40 to 50 degrees to the core axis. 2 to 5% fine to medium grained disseminated pyrite through most of unit. Grey-green, fine grained arkosic bands occur from 149.77 to 150.18, 150.57 to 152.28 and from 155.93 to 156.18.	42524	148.50	149.05	.55	2-5	.017	.03
			42525	149.05	150.00	.95	2-5	.000	nil
			42526	150.00	151.00	1.00	2-5	.030	.03
			42527	151.00	152.00	1.00	2-5	.000	nil
			42528	152.00	153.00	1.00	2-5	.010	.01
148.53	148.73	Blocky, highly fractured core with some slickensides and graphite lined fractures. Fine calcitic veining.	42529	153.00	154.00	1.00	2-5	.010	.01
			42530	154.00	155.00	1.00	2-5	.020	.02
148.73	149.05	Brecciated with angular ARBILLITE fragments in a white calcitic matrix. 3% fine pyrite stringers.	42531	155.00	156.00	1.00	2-5	.000	nil
			42532	156.00	156.42	.42	2-5	.004	.01
156.42		Sharp lower contact at 30 degrees to the core axis							
156.42	190.95	ARKOSE	42533	156.42	157.00	.58	TR	.000	nil
			42534	157.00	157.86	.86	TR	.000	nil
		Fine to very fine grained and massive. Medium greenish-grey, non-magnetic, non-calcitic, trace pyrite. Moderately to well fractured down to 174.25. Chlorite lining of many fractures.	42535	157.86	158.40	.54	5	.022	.04
			42536	158.40	159.40	1.00	TR	.000	nil
			42537	189.95	190.95	1.00	TR	.000	nil
157.86	158.40	Pyritic. 5% finely disseminated pyrite in a weakly silicified zone.							
159.03	159.29	Barren white quartz-carbonate vein at 20/40 degrees to the core axis.							
165.78	167.82	Mafic intrusive possibly a medium grained massive flow. Medium green, non-magnetic, moderately to strongly calcitic. Brecciated upper contact. Lower contact appears to be at 70 degrees to the core axis.							
190.95		Lower contact at 50 degrees to the core axis.							

AMERICAN BARRICK RESOURCES CORPORATION

Hole No.: MC.88-460

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From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
190.95	191.24	ARGILLITE	42538	190.95	191.24	.29	1	.003	.01
<p>Black to grey to brown and very fine grained, laminated at 55 degrees to the core axis. Minor silicified bands. Lower contact at 50 degrees to the core axis.</p>									
191.24	192.40	ARKOSE	42539	191.24	192.40	1.16	TR	.012	.01
<p>Fine to very fine grained, massive. Lower contact at 50 degrees to the core axis.</p>									
192.40	192.73	ARGILLITE	42540	192.40	192.73	.33	TR	.000	nil
<p>Very fine grained and finely banded at 50 to 60 degrees to the core axis. Lower contact at 45 degrees to the core axis.</p>									
192.73	193.58	ARKOSE	42541	192.73	193.58	.85	TR	.000	nil
<p>Fine to very fine grained, massive. Lower contact at 50 degrees to the core axis.</p>									
193.58	194.92	ARGILLITE	42542	193.58	194.48	.90	TR	.000	nil
<p>Medium to dark grey - green, fine grained and finely laminated at 40 to 50 degrees to the core axis. Trace pyrite. Lower contact at 55 degrees to the core axis marked by 5 mm wide calcite vein. Calcite vein contains a bleb of resinous looking sphalerite (?).</p>									
194.48	194.63	Fine grained massive flow.	42543	194.48	194.92	.44	TR	.000	nil
<p>Contacts at 40/45 degrees to the core axis.</p>									

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
194.92	247.37	ARKOSE	42544	194.92	196.00	1.08	TR	.000	nil
			42545	196.00	197.00	1.00	TR	.000	nil
		Fine to very fine grained, massive. Greenish-grey, fine grained, non-magnetic, non-calcitic. Local weak laminated at 30 to 50 degrees to the core axis. Minor patches up to 20 cm wide of primary silicification from 197.17 to 209.37. Grey argillaceous band occurs from 201.54 to 201.74 at 50 degrees to the core axis. Generally trace pyrite except from 207.15 to 207.35 where 2 to 5% finely disseminated pyrite. Moderately to well fractured throughout, commonly with chlorite lining of fractures. Fractures are commonly slickensided. Minor fine calcite or quartz stringers.	42546	197.00	198.00	1.00	TR	.000	nil
			42547	198.00	199.00	1.00	TR	.000	nil
			42548	199.00	200.00	1.00	TR	.000	nil
			42549	200.00	201.00	1.00	TR	.000	nil
			42550	201.00	202.00	1.00	TR	.000	nil
			42551	202.00	203.00	1.00	TR	.000	nil
			42552	203.00	204.00	1.00	TR	.000	nil
			42553	204.00	205.00	1.00	TR	.010	.01
			42554	205.00	206.00	1.00	TR	.000	nil
			42555	206.00	207.00	1.00	TR	.000	nil
			42556	207.00	208.00	1.00	TR-2	.000	nil
		238.74 238.83 Brecciated with a brown - grey coloured silicification and 3 to 5% finely disseminated pyrite.	42557	208.00	209.00	1.00	TR	.000	nil
			42558	209.00	210.00	1.00	TR	.000	nil
			42559	210.00	211.00	1.00	TR	.000	nil
		247.37 Sharp lower contact at 50 degrees to the core axis	42560	211.00	212.00	1.00	TR	.000	nil
			42561	212.00	213.00	1.00	TR	.000	nil
			42562	213.00	214.00	1.00	TR	.000	nil
			42563	214.00	215.00	1.00	TR	.000	nil
			42564	215.00	216.00	1.00	TR	.000	nil
			42565	216.00	217.00	1.00	TR	.000	nil
			42566	217.00	218.00	1.00	TR	.000	nil
			42567	218.00	219.00	1.00	TR	.000	nil
			42568	219.00	220.00	1.00	TR	.010	.01
			42569	220.00	221.00	1.00	TR	.000	nil
			42570	238.50	239.00	.50	TR	.000	nil
			42571	246.00	247.37	1.37	1-3	.014	.01
247.37	251.25	10% SILICIFIED	42572	247.37	248.00	.63	1-3	.006	.01
			42573	248.00	249.00	1.00	1-3	.010	.01
		Yellowish green, fine grained and brittle fractured over upper 40 m with 1 to 3% finely disseminated pyrite. Possible flow top. Pervasive calcitic alteration. Medium green, fine grained massive flow and finely fractured throughout rest of unit with some narrow light green alteration halos around fractures. Pervasive calcitic alteration throughout. 1 to 3% finely disseminated pyrite throughout. Brittle fracturing with minor narrow brecciated bands. Silicification occurs in narrow brown, brecciated bands less than 5 cm wide or as narrow quartz veins. Higher pyrite concentrations associated with silicification.	42574	249.00	250.00	1.00	1-3	.020	.02
			42575	250.00	251.25	1.25	1-3	.025	.02

From	To	Description	Sample	From	To	Length	% Sul	GN	Au g/t
251.25	258.14	100% SILICIFIED	42576	251.25	252.00	.75	2-4	.015	.02
		95 to 100% silicification.	42577	252.00	253.00	1.00	2-4	.010	.01
		Green to greenish-grey to light grey coloured, highly fractured to finely brecciated with strong pervasive silicification. Commonly buff to honey to brown coloured halos around fractures. 2 to 15% fine or fracture filling pyrite with pyrite content generally increasing down section. Moderately to highly fractured becomes blocky, highly fractured core after 255.88. Strong pervasive calcitic alteration throughout. Core is very broken in some zones but recovery appears to be close to 100%. Contacts of unit are sharp at 60/50 degrees to the core axis.	42578	253.00	254.00	1.00	2-4	.000	nil
			42579	254.00	255.00	1.00	2-4	.010	.01
			42580	255.00	256.00	1.00	7-15	.020	.02
			42581	256.00	257.00	1.00	10	.060	.06
			42582	257.00	258.14	1.14	15	.057	.05
256.70	256.72	FAULT ZONE. Grey, gritty clay seam which appears to be at 60 degrees to the core axis. Orientation and location of FAULT ZONE is difficult to determine exactly since clay seam occurs in a 40 cm section of highly rubbled core.							
258.14	267.31	ARKOSE	42583	258.14	259.00	.86	TR-1	.000	nil
		Much of unit may be BASALT but too altered and deformed to tell.	42584	259.00	260.00	1.00	TR-1	.000	nil
			42585	260.00	261.00	1.00	TR-1	.010	.01
			42586	261.00	262.00	1.00	TR-1	.000	nil
258.14	266.49	Blocky, highly fractured core. Fragments of core are grey-green, fine grained, massive, non-magnetic and non-calcitic. Fractured at all angles. Fractures are commonly chlorite coated or slickensided. Trace to 1% pyrite.	42587	262.00	263.00	1.00	TR-1	.010	.01
			42588	263.00	264.00	1.00	TR-1	.000	nil
			42589	264.00	265.00	1.00	TR-1	.010	.01
			42590	265.00	265.49	.49	1-5	.196	.40
			42591	265.49	266.49	1.00	TR-1	.100	.10
			42592	266.49	267.31	.82	TR-1	.000	nil
261.30		FAULT ZONE. A 1 cm by 2 cm chunk of green gritty clay occurs in a rubbled zone.							
265.02	265.03	FAULT ZONE. 1 cm wide green gritty clay seam with orientation unknown.							
265.03	266.26	Brecciated to fractured, commonly with calcite lining of fractures. 5% finely disseminated pyrite from 265.06 to 265.50. A 5 mm chlorite - clay seam occurs at 265.75.							
266.49	267.22	SYENITE. Red - orange, well brecciated to fractured with grey or green micaceous or chloritic patches throughout. Contacts at 65/60 degrees to the core axis.							
267.22	267.31	Fine grained massive flow ( ? ).							

AMERICAN BARRICK RESOURCES CORPORATION

Hole No.: MC.88-460

Page No.: 7

From To -----Description----- Sample From To Length % Sul GW Au g/t

267.31 END OF HOLE.

**DIAMOND DRILL RECORD**

Com: 9312.8 3517.7  
 Azimuth: 344.0  
 Dip: -55.0  
 Elevation: 5032.0  
 Length: 297.8  
 Measurement: Metric  
 Comments:

Section: 3517.7  
 Core Size: 80

HOLE NO.: *FB* MC. 8-111  
 Property: Independent Mining  
 Location: 3518E 9313N  
 Date Started: August 17, 1988  
 Date Completed: August 25, 1988  
 Logged by: K. Kryklywy

*K. Kryklywy*

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-52.0	182.88		-42.0	297.79		-39.5
91.44		-50.5	228.60		-41.0			
137.16		-47.0	274.32		-39.5			

-----Log Summary-----

.00 4.88 OVERBURDEN.  
 4.88 52.17 BASALT.  
 52.17 56.86 ARKOSE.  
 56.86 72.47 BASALT.  
 72.47 73.05 Intermediate intrusive.  
 73.05 73.80 Intermediate intrusive.  
 73.80 77.24 Intermediate intrusive.  
 77.24 90.80 BASALT.  
 90.80 136.86 ARKOSE.  
 136.86 141.16 50% SILICIFIED.  
 141.16 271.22 ARKOSE.  
 271.22 272.50 80% SILICIFIED.  
 272.50 276.90 SYENITE.  
 276.90 277.90 90% SILICIFIED.  
 277.90 278.83 SYENITE.  
 278.83 297.79 BASALT.  
 297.79 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	4.88	OVERBURDEN							
4.88	52.17	BASALT							
			42607	17.11	17.61	.50	2-3	.000	nil
			42608	17.61	18.32	.71	1-2	.057	.08
			42609	18.32	18.82	.50	TR-1	.005	.01
4.88	52.17	Pillowed flow. Dark green, fine grained, massive, non-magnetic pillow centers with narrow dark green sheared to chilled to variolitic to minor brecciated pillow rims. Generally trace - 1% disseminated pyrite.							
4.88	9.20	Blocky with orange limonitic alteration along fractures.							
17.61	18.32	Brecciated with some silicification and calcitic alteration. Quartz veining with 2 to 3% pyrite and at 70 degrees to the core axis occur from 17.90 to 18.00 and from 18.05 to 18.09. Very fine grained, 1 cm wide tan coloured silicified halo around quartz veins. 1 to 2% pyrite and green to red to buff coloured fragments in brecciated zone.							
21.67	21.70	Clay-grit seam at 30 degrees to the core axis							
21.70	22.43	Intermediate intrusive. Medium green, fine grained, calcitic. Contacts at 30 / 10 degrees to the core axis. Host rock along lower contact is well brecciated with strong calcite alteration.							
35.90	36.03	Syenite. Pink, fine grained, contacts at 60 degrees to the core axis.							
38.99	39.10	Syenite stringers at 50 to 70 degrees to the core axis.							
51.82	52.17	Silicified. Very fine grained. Irregular lower contact is light green and chilled.							
52.17	56.86	ARKOSE							
			42610	52.17	53.00	.83	TR-2	.008	.01
			42611	53.00	54.00	1.00	TR-2	.010	.01



From	To	Description	Sample	From	To	Length	X Sul	GM	Au g/t
		An interbedded sequence of dark green to brown to grey, poorly bedded ARKOSE with finely laminated argillaceous beds. Appears to be graded bedding fining uphole. Some 'cherty' silicification along fractures as well as a grey very fine grained 'cherty' band from 54.16 to 54.35. Average bedding 25 to 35 degrees to the core axis	42612	54.00	55.00	1.00	TR-2	.010	.01
		53.95 54.16 Porphyritic. 20% white porphyritic feldspar grains up to 2 mm in a fine to medium grained dark grey matrix. Possibly a quartz - feldspars porphyry. Contacts at 10 / irregular degrees to the core axis. 'cherty' band below is possibly a chill margin to intrusive.	42613	55.00	56.00	1.00	TR-2	.000	nil
			42614	56.00	56.86	.86	TR-2	.000	nil
		56.86 Lower contact is marked by a 4 cm wide light green, very fine grained chill zone at 85/70 degrees to the core axis.							
56.86	72.47	BASALT	42615	68.00	69.00	1.00	2	.000	nil
		58.86 72.47 Fine to medium grained massive flow. Dark green, non-magnetic, non-calcitic, minor foliated sections at 30 degrees to the core axis. Local sections with porphyritic amphibole needles up to 5 mm long. Minor syenite bands up to 5 cm wide at 60 degrees to the core axis. Minor quartz or calcite veining. 1 to 2% finely disseminated or stringers of pyrite. Sharp lower contact at 50 degrees to the core axis.							
72.47	73.05	INTERMEDIATE INTRUSIVE	42616	72.47	73.05	.58	TR	.000	nil
		Medium grey and grading from very fine grained to medium grained down section. Fine grey to white to black broken grains up to a few mm throughout in a fine grained matrix. Some stringers or phenocrysts of granitic composition up to 2 cm across. Moderately to strongly calcitic. Non-magnetic. Trace pyrite. Sharp contacts at 50/20 degrees to the core axis.							
73.05	73.80	INTERMEDIATE INTRUSIVE							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
			42617	73.05	73.80	.75	TR	.000	nil

Grey, fine to very fine grained with fine black mafic specks throughout. Chilled and aphanitic within 2 cm of contacts. Sharp contacts at 20 degrees to the core axis. Unit is moderately calcitic.

73.80 77.24 INTERMEDIATE INTRUSIVE

42618	73.80	75.00	1.20	TR	.012	.01
42619	75.00	76.00	1.00	TR	.010	.01
42620	77.00	77.24	.24	TR	.000	nil

Medium to dark grey-green, medium grained and strongly calcitic. Non-magnetic. Fine black amphibole needles throughout and porphyritic, white, elongated, anhedral felsic grains. Unit is fine grained within 10 cm of lower contact. Lower contact at 40 degrees to the core axis.

77.24 90.80 BASALT

77.42 90.80 Fine to medium grained massive flow. Dark greenish-grey, non-magnetic, non-calcitic. Minor quartz-carbonate veining and minor granitic veins less than 1 cm wide. Trace to 1% finely disseminated pyrite. Sharp lower contact with 2 cm chilled margin at 30 degrees to the core axis.

90.80 136.86 ARKOSE

42621	90.80	92.10	1.30	1	.013	.01
42622	92.10	93.10	1.00	2-5	.030	.03
42623	93.10	94.10	1.00	1	.000	nil
42624	94.10	95.10	1.00	1	.010	.01
42625	95.10	96.10	1.00	3-7	.050	.05
42626	114.20	115.20	1.00	2	.000	nil
42627	115.20	116.20	1.00	1-2	.000	nil
42628	116.20	117.20	1.00	1-2	.000	nil
42629	117.20	118.20	1.00	1-2	.050	.05
42630	118.20	119.20	1.00	2	.010	.01
42631	119.20	120.20	1.00	1	.010	.01
42632	130.25	131.00	.75	2-5	.188	.25
42633	131.00	131.96	.96	2-5	.029	.03
42634	136.00	136.86	.86	1-4	.009	.01

Dark to medium grey to green, fine to very fine grained and weakly to well laminated at 30 to 50 degrees to the core axis ( increasing down section ). Local narrow silicified, 'cherty' or pyritic patches or bands up to 30 cm wide. Non-magnetic. Non-calcitic. Generally trace to 1% finely disseminated pyrite. Locally broken. Minor epidote lined fractures.

92.00 93.10 Pyritic. 2 to 5% finely disseminated or stringers of pyrite.

95.10 95.90 Pyritic. 3 to 7% finely disseminated or stringers of pyrite.

114.20 120.20 10% SILICIFIED. Occurs as narrow grey

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		coloured halos along fractures. 2 to 5% pyrite occurs in silicification zones.							
129.25	131.96	Pyritic. 2 to 5% finely disseminated or stringers of pyrite.							
131.96	132.17	Syenite. Orange, fine grained, brecciated, calcite lined fractures. 2 to 3% finely disseminated and fracture filling pyrite. Contacts at 60/50 degrees to the core axis.							
133.53	133.56	Syenite stringer at 10 degrees to the core axis.							
136.56	136.86	Finely laminated and sub graphitic with some buff coloured banding and 4% finely disseminated pyrite.							
136.86	141.16	50% SILICIFIED							
		Unaltered part of unit consists of ARKOSE / ARGILLITE dark grey-green, fine grained, and moderately to well laminated at 40 to 50 degrees to the core axis. Silicification occurs in lighter grey to honey coloured, calcitic, often well brecciated bands up to 50 cm wide. Silicified bands generally have 3 to 10% disseminated and fracture filling pyrite. Non-silicified areas have trace to 2% pyrite. Minor graphitic slips. Sub graphitic band over upper 50 cm of unit.	42635	136.86	138.00	1.14	5	.262	.23
			42636	138.00	139.00	1.00	1-5	.030	.03
			42637	139.00	140.00	1.00	1	.020	.02
			42638	140.00	141.16	1.16	5	.162	.14
137.02		Graphitic slip ( 3 mm wide ) at 40 degrees to the core axis.							
138.00	138.05	Quartz vein at 55 degrees to the core axis with angular brecciated sediment fragments.							
139.23	139.32	Barren grey - white quartz vein at 30 degrees to the core axis.							
140.70	140.85	White quartz - carbonate vein at 45/25 degrees to the core axis with silicified, pyritic, honey coloured sediment fragments.							
141.16	271.22	ARKOSE							
		Same as described above from 90.80 to 136.86. Grey-green, fine grained and weakly to strongly laminated at 40 to 50 degrees to the core axis. Local narrow ARGILLITE bands throughout. Non-magnetic. Non-calcitic. Generally trace to 1% finely disseminated or stringers of pyrite. Minor, local quartz veins up to 2 cm wide. Minor fine calcite stringers. ARKOSE is very	42639	141.16	142.00	.84	TR	.034	.04
			42640	160.04	161.04	1.00	1	.000	nil
			42641	161.04	161.54	.50	1	.005	.01
			42642	161.54	162.04	.50	2-3	.000	nil
			42643	162.04	162.54	.50	2-3	.005	.01
			42644	166.30	166.80	.50	2-3	.045	.09
			42645	168.54	169.04	.50	TR-1	.005	.01
			42646	169.04	169.56	.52	TR	.005	.01
			42647	169.56	170.06	.50	2-4	.005	.01

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		poorly to unbedded after 169.56.	42648	185.20	185.70	.50	5-10	.040	.08
161.04	161.34	Silicified and brecciated with some quartz veining at 75 degrees to the core axis and 1-2% finely disseminated pyrite.	42649	199.50	200.00	.50	1-3	.035	.07
			42650	230.40	230.90	.50	3-5	.335	.67
			42651	256.34	256.80	.46	TR	.000	nil
162.05	162.22	Vein. White barren quartz vein at 65 degrees to the core axis. 10 cm brecciated silicified or pyritic halo around quartz vein.	42652	256.80	257.70	.90	2-3	.000	nil
			42653	257.70	258.65	.95	2-3	.000	nil
			42654	258.65	260.00	1.35	1-3	.000	nil
			42655	260.00	261.00	1.00	1-3	.000	nil
166.42	166.66	Silicified and finely brecciated. 2-3% finely disseminated pyrite.	42656	261.00	262.00	1.00	1-3	.000	nil
			42657	262.00	263.00	1.00	1-3	.000	nil
169.04	169.56	Veining. White to grey partly brecciated quartz vein with minor sediment inclusions and minor coarse grained pyrite. Contacts at 75/90 degrees to the core axis.	42658	263.00	264.00	1.00	1-3	.000	nil
			42659	264.00	265.00	1.00	1-3	.020	.02
			42660	265.00	266.00	1.00	1-3	.020	.02
			42661	266.00	267.00	1.00	1-3	.000	nil
169.56	ARKOSE	is very poorly to unbedded after 169.56 and appears much like a fine grained massive flow.	42662	267.00	267.63	.63	1-3	.000	nil
			42663	267.63	268.78	1.15	1-3	.069	.06
174.89	175.57	SYENITE. Pink - red, fine grained, brecciated to fractured, locally foliated at 45 degrees to the core axis. Bands of biotite occur concordant with foliation. Contacts at 50/55 degrees to the core axis	42664	268.78	270.00	1.22	1-3	.073	.06
			42665	270.00	271.22	1.22	1-3	.000	nil
183.99	184.73	Mafic intrusive. Dark green, medium grained. Contacts at 90 degrees to the core axis. 1-2% finely disseminated pyrite.							
185.35	185.60	Silicified and brecciated. Buff to pink to grey coloured. Calcitic. 5-10% fracture filling pyrite.							
185.86	186.00	Mafic intrusive. Same as described above from 183.99 to 184.73. Contacts irregular / 35 degrees to the core axis.							
186.30	187.20	Mafic intrusive. Same as described above from 183.99 to 184.73. Contact at 70/40 degrees to the core axis.							
188.50	191.30	SYENITE. Green to pink to grey coloured. Fine to coarse grained. Occurs in several different phase with some sediment inclusions up to 30 cm wide. Trace to 1% pyrite. Contacts at 30/40 degrees to the core axis.							
193.80	193.96	Mafic intrusive at 65/55 degrees to the core axis. Same as described above from 183.99 to 184.73.							
197.45	197.82	Mafic intrusive at 40/35 degrees to the core axis. Dark green, fine grained, calcitic. Trace pyrite.							
199.72	199.89	Brecciated and moderately silicified. Buff to grey coloured with 3% finely disseminated pyrite.							
219.81	220.17	SYENITE. Dirty pink - white coloured, medium grained, well fractured to brecciated, 3% finely disseminated pyrite. Irregular, wispy contacts.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
221.70	221.84	SYENITE. Same as described above from 219.81 to 220.17 but dirty white coloured and more biotitic. Trace pyrite. Contacts at 50/55 degrees to the core axis.							
224.43	225.52	SYENITE. Same as described above from 219.81 to 220.17. 1 to 2% finely disseminated pyrite. Contacts at 70 degrees to the core axis.							
230.44	230.87	Silicified, brecciated and calcitic. Grey to honey coloured with 3 to 5% finely disseminated to fracture filling pyrite. Contacts at 50/80 degrees to the core axis.							
236.67	237.21	SYENITE. Pink, fine grained, well fractured to brecciated with 1 to 2% fracture filling pyrite. Sharp contacts at 50/40 degrees to the core axis.							
245.60	247.08	SYENITE. Pink - grey, fine grained, well brecciated to fractured. Fine biotite grains throughout. 1% finely disseminated pyrite. Sharp contacts at 40 degrees to the core axis.							
249.66	249.83	SYENITE. Same as described above from 245.60 to 247.08. Sharp contacts at 20/70 degrees to the core axis.							
250.74	250.82	SYENITE at 15/30 degrees to the core axis.							
252.40	252.51	SYENITE at 30/25 degrees to the core axis.							
253.78	254.00	SYENITE at 40 degrees to the core axis.							
254.26	255.77	Mafic intrusive. Dark grey - black, fine grained with pink calcitic grains. Strongly calcitic throughout. Weakly magnetic. Fine black porphyritic amphibole grains throughout. Contacts at 50 / irregular degrees to the core axis.							
256.34	256.80	SYENITE. Pink, fine grained, well fractured to brecciated. Local fine magnetite stringers. Contacts at 40 degrees to the core axis.							
256.80	258.65	MAFIC SYENITE. Pinkish grey, fine grained, moderately calcitic. Contains a few stringers of more felsic, pink coloured syenite. 2 to 3% finely disseminated or stringers of pyrite.							
258.65	271.22	Sediments are grey coloured, fine grained, generally massive and some what mottled (probably due to numerous syenite and mafic intrusives in vicinity). 1 to 3% finely disseminated or fracture filling pyrite.							
260.94	261.17	Syenite patches and stringers.							
266.53	266.85	Bedding at 50 to 60 degrees to the core axis.							
267.63	268.78	Syenite dyke at 70/60 degrees to the core							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		axis. Pink, fine to medium grained with black magnetite grains throughout. 1 to 2% finely disseminated pyrite.							
268.78	271.22	Bedding - local and contorted.							
271.22		Sharp lower contact at 50 degrees to the core axis							
271.22	272.50	80% SILICIFIED							
			42666	271.22	272.00	.78	2-5	.000	nil
			42667	272.00	272.50	.50	1-3	.000	nil
		Grey, fine grained and finely brecciated. Less brecciated in non-silicified zones. Strongly calcitic. 2 to 5% very fine disseminated pyrite. Minor syenitic patches or stringers. Appears to have been originally a sediment.							
272.00	272.50	Blocky, highly fractured core. Predominately fractured along core axis.							
272.50	276.90	SYENITE							
			42668	272.50	273.00	.50	TR	.000	nil
			42669	273.00	274.00	1.00	TR	.030	.03
		Light to medium brick red and fine grained. 10% grey to black, fine grained micaceous patches or fracture filling up to 1 cm throughout. Fractured throughout sub-parallel to core axis with local slickensides. Much blocky, highly fractured core. Trace pyrite. Non-magnetic. Contact with sediments appears to be sub-parallel to core axis as indicated by some sections of basalt in contact with fractured syenite.	42670	274.00	275.00	1.00	TR	.090	.09
			42671	275.00	276.00	1.00	TR	.140	.14
			42672	276.00	276.90	.90	TR	.054	.06
276.90	277.90	90% SILICIFIED							
			42673	276.90	277.90	1.00	1-4	.300	.30
		Medium grey, fine grained and somewhat mottled. 2 grey clay slips at 40 degrees to the core axis over upper 5 cm. Intense silicification over upper 60 cm which almost appears as grey quartz flooding or veining. 1 to 4% finely disseminated pyrite throughout. Strongly calcitic over lower 40 cm. Some fractured feldspar phenocrysts at 277.50. Lower contact at 60 degrees to the core axis.							

From	To	Description	Sample	From	To	Length	% Sul	SW	Au g/t
277.90	278.83	SYENITE	42674	277.90	278.83	.93	1-2	.056	.06

Same as described above from 272.50 to 276.90. 1 to 2% finely disseminated pyrite. Wispy upper contact over upper 30 cm with grey coloured possible host sediment or basalt segregations.

278.83 297.79 BASALT

42675	278.83	280.00	1.17	TR	.105	.09
42676	284.40	284.90	.50	20	.010	.02

278.83 297.79 Pillowed flow. Medium green, fine grained and generally massive with pillow rims defined by narrow sheared, brecciated, epidotized or chloritic bands up to a few cm wide. Locally variolitic. Local patches of white feldspar phenocrysts throughout. Non-magnetic. Numerous syenite dykes throughout from 5 cm to 1 m wide. Generally trace to 1% finely disseminated patches of pyrite.

- 279.64 279.74 Syenite dyke at irregular / 80 degrees to the core axis.
- 280.12 280.20 Syenite dyke at 40 degrees to the core axis
- 283.57 284.40 Syenite dyke at 70/60 degrees to the core axis.
- 284.52 284.59 Pyrite. 75% fine grained semi-massive pyrite band at 50/80 degrees to the core axis.
- 284.67 284.73 Pyrite. Massive band with irregular contacts.
- 285.74 285.79 Syenite dyke at 60 degrees to the core axis
- 287.47 287.81 Syenite dyke at 60/20 degrees to the core axis.
- 288.20 288.30 Mafic intrusive at 60/70 degrees to the core axis.
- 293.71 293.84 Syenite dyke at 60/50 degrees to the core axis.
- 294.86 295.77 Mafic intrusive at 60 degrees to the core axis.
- 295.77 296.00 Syenite dyke at 60/50 degrees to the core axis.
- 296.33 296.44 Syenite dyke at 70 degrees to the core axis
- 296.85 297.09 Syenite dyke at 60/50 degrees to the core axis.

297.79 END OF HOLE.

AMERICAN BARRICK RESOURCES CORPORATION

# 4

Co-ords: 9262.4 3317.1

DIAMOND DRILL RECORD

HOLE NO.: MC. 80-117-1

Azimuth: 358.0

Section: 3317.0

Property: Independent Mining

Dip: -54.0

Core Size: 80

Location: 3317E 9262N

Elevation: 5044.5

Date Started: August 26, 1988

Length: 349.6

Date Completed: September 1, 1988

Logged by: K. Kryklyw

Measurement: Metric

*K. Kryklyw*

Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-55.0	182.88		-46.0	320.04		-35.5
91.44		-50.5	228.60		-41.0	349.61		-33.0
137.16		-48.0	274.32		-39.0			

-----Log Summary-----

.00 1.22 OVERBURDEN.  
 1.22 57.27 BASALT.  
 57.27 58.16 FAULT ZONE.  
 58.16 129.42 BASALT.  
 129.42 133.16 ARGILLITE.  
 133.16 153.55 BASALT.  
 153.55 172.50 ARKOSE.  
 172.50 175.99 HIGH MAG BASALT.  
 175.99 176.87 SYENITE.  
 176.87 177.28 HIGH MAG BASALT.  
 177.28 201.00 ARKOSE.  
 201.00 208.08 ARGILLITE.  
 208.08 255.12 ARKOSE.  
 255.12 281.03 GABBRO.  
 281.03 284.64 SYENITE.  
 284.64 323.90 GABBRO.  
 323.90 326.73 SYENITE.  
 326.73 334.22 GABBRO.  
 334.22 337.28 SYENITE.  
 337.28 338.05 GABBRO.  
 338.05 338.54 SYENITE.  
 338.54 338.83 GABBRO.  
 338.83 338.94 SYENITE.  
 338.94 340.16 FAULT ZONE.  
 340.16 340.70 Intermediate intrusive.  
 340.70 341.67 SYENITE.  
 341.67 342.42 20% SILICIFIED.  
 342.42 343.70 SYENITE.  
 343.70 345.52 100% SILICIFIED.



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
345.52	346.68	SYENITE.							
346.68	348.39	10% SILICIFIED.							
348.39	348.91	SYENITE.							
348.91	349.61	Mafic intrusive.							
349.61		END OF HOLE.							
.00	1.22	OVERBURDEN							
1.22	57.27	BASALT							
			42677	13.80	15.20	1.40	1-4	.028	.02
			42678	38.65	39.15	.50	5	.040	.08
1.22	42.93	Fine grained massive flow. Dark green, locally fractured, non-calcitic, local weakly magnetic patches. Trace to 1% pyrite. Epidote or calcite fracture filling.	42679	39.15	40.30	1.15	2-3	.000	nil
			42680	40.30	40.80	.50	2-5	.035	.07
			42681	40.80	41.80	1.00	2-3	.020	.02
13.80	15.20	Fractured along core axis. Fracture from 1 to 3 cm wide with brecciated basalt fragments in fine grained chlorite - calcite matrix. 1 to 4% fine to coarse pyrite throughout. Fracture and fracture filling is well consolidated.							
22.76	24.70	Foliated at 40 degrees to the core axis.							
32.57	32.66	Cherty. Light grey, aphanitic, finely laminated at 40 degrees to the core axis.							
38.88	38.97	Pyritic. 50% finely disseminated pyrite in band at 40 degrees to the core axis.							
40.44	40.67	Silicified. Partly silicified and strongly calcitic with 5% finely disseminated pyrite. Greenish-grey coloured and foliated at 20 to 70 degrees to the core axis. Zone includes a 5 cm wide white quartz-carbonate vein at 50/60 degrees to the core axis.							
41.00	41.40	Veining. Strong quartz-carbonate veining and brecciation sub-parallel to core axis. 2 to 3% finely disseminated and fracture filling pyrite.							
42.93	44.70	Flow top breccia. Light to dark grey to green, angular, fractured or brecciated fragments in a fine grained dark green mafic matrix. Locally epidotized or calcitic. Trace pyrite.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
44.70	57.27	Fine grained massive flow. Possible local pillowed sections. Dark green, fine grained, non-magnetic. Local brecciated zones up to 10 cm wide with chilled to fractured to epidotized to calcitic fragments. Core becomes increasingly blocky down section. Minor local syenite dykes up to 5 cm wide.							
57.27	58.16	FAULT ZONE	42682	57.27	58.16	.89	TR	.027	.03
		Green grey, angular breccia fragments up to 1 cm in a finely ground matrix. Some silica infilling of matrix. Trace pyrite. Contacts of zone at 30/60 degrees to the core axis.							
57.64	57.65	Clay-grit seam at 40 degrees to the core axis							
58.16	129.42	BASALT	42683	128.00	129.42	1.42	TR	.000	nil
58.16	79.25	Fine to medium grained massive flow. Medium green, fine to medium grained, homogeneous, weakly fractured, non-magnetic, non-calcitic. Trace pyrite.							
79.25	129.42	Pillowed flow. Generally fine grained and massive with pillows outlined by narrow chloritic to calcitic, sheared to brecciated pillow ribs 0.5 to 1.0 m apart. Minor quartz-carbonate veining. Minor pyrite - usually associated with pillow selvages. Non-magnetic. Non-calcitic. Pillows are not always well defined throughout.							
129.42		Sharp lower contact at 30 degrees to the core axis							
129.42	133.16	ARGILLITE	42684	129.42	130.00	.58	1	.000	nil
			42685	130.00	131.00	1.00	1	.000	nil
		Grey to brown, fine grained and well laminated at 20 to 30 degrees to the core axis. Some interbeds of more massive ARKOSE. 1-2% finely disseminated or fracture filling pyrite and minor stringers of pyrrhotite. Local bands of well laminated grey coloured chert from 131.23	42686	131.00	132.00	1.00	1-3	.010	.01
			42687	132.00	133.16	1.16	1-3	.012	.01

From To -----Description----- Sample From To Length % Sul GW Au g/t

131.31 and 131.68 to 131.74. Sharp lower contact at 25 degrees to the core axis.

133.16 153.55 BASALT

42688 133.16 134.00 .84 1 .000 nil

133.16 153.55 Medium grained massive flow. Dark green, medium grained, homogeneous, non-magnetic, weakly fractured, non-calcitic. Trace to 1% disseminated pyrite. Minor patches of finely disseminated leucoxene. Minor quartz-carbonate or epidote veining. Lower contact not well defined.

147.67 147.75 Syenite dyke at 50/80 degrees to the core axis.

153.55 172.50 ARKOSE

42689 153.55 155.00 1.45 2-3 .043 .03  
 42690 170.44 171.33 .89 1 .000 nil  
 42691 171.33 171.72 .39 1 .019 .05  
 42692 171.72 172.50 .78 10 .257 .33

Medium to dark grey-green fine grained and weakly to strongly laminated at 35 to 50 degrees to the core axis. Generally trace to 1% finely disseminated or stringers of pyrite. Local pyrite concentrations up to 3% over 50 cm.

167.03 167.60 Syenite dyke with irregular contacts and some host rock inclusions.

168.86 172.50 Magnetic. Weakly to moderately magnetic with fine magnetite stringers throughout.

170.12 170.44 Syenite dyke at 50/60 degrees to the core axis. Brick red, fine grained and well fractured.

171.33 171.72 Quartz vein / syenite at 90/70 degrees to the core axis. Upper 25 cm consists of grey quartz with some red syenite fragments. Lower 14 cm is red fine grained syenite with 3 cm quartz vein along lower contact.

171.72 172.50 50% SILICIFIED. 20% quartz veining up to 1 cm wide at 30 to 50 degrees to the core axis. Silicification occurs as light purple-grey coloured alteration halos around quartz veins. 10% fine to coarse disseminated pyrite occurs in silicified zones. Sharp lower contact at 50 degrees to the core axis.

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From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
172.50	175.99	HIGH MAG BASALT	42693	172.50	173.50	1.00	TR	.010	.01
			42694	173.50	174.50	1.00	TR	.010	.01
172.50	175.99	Medium grained massive flow. Dark green fine to medium grained massive to weakly foliated at 40 to 45 degrees to the core axis. Weakly to moderately magnetic. White medium grained felsic grains throughout. Lower contact is irregular. 10 to 15% finely disseminated pyrite over lower 10 cm of unit.	42695	174.50	175.50	1.00	TR	.000	nil
			42696	175.50	175.99	.49	S-15	.039	.08
175.99	176.87	SYENITE							
		Brick red, fine to medium grained, with grey fine grained micaceous patches throughout. Contacts at irregular / 30 degrees to the core axis.							
176.87	177.28	HIGH MAG BASALT							
		Same as described above from 172.50 to 175.99. Contacts at 30/70 degrees to the core axis.							
177.28	201.00	ARKOSE	42697	200.00	201.00	1.00	3-4	.020	.02
		Generally arkose with local interbeds of more argillaceous sediments. Medium to dark grey-green, fine grained and fairly massive. Locally laminated at 40 to 50 degrees to the core axis. 1% finely disseminated or fine stringers of pyrite. Locally fractured at various angles to core axis.							
201.00	208.08	ARGILLITE	42698	201.00	202.00	1.00	3-7	.000	nil

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From	To	Description	Sample	From	To	Length	X Sul	GW	Au g/t
			42699	202.00	203.00	1.00	3-7	.090	.09
201.00	205.70	Medium dark green, fine grained to aphanitic and well laminated. Laminated at 40 to 50 degrees to the core axis. Some grey buff, 'cherty' bands up to 10 cm wide. Local dark grey black sub graphitic bands up to 10 cm wide. 3 to 7% fine to medium grained or stringers of pyrite concordant with foliation. A grey - white quartz vein with brecciated sediment fragments and 3% pyrite occurs from 202.82 to 203.97.	42700	203.00	204.00	1.00	3-7	.090	.09
			42701	204.00	205.00	1.00	3-7	.010	.01
			42702	205.00	206.00	1.00	3-7	.000	nil
			42703	206.00	207.00	1.00	3-7	.000	nil
			42704	207.00	208.08	1.08	3-7	.022	.02
205.70	208.08	Graphitic. Dark grey to black and sub graphitic with 3 to 5% concordant stringers of pyrite. Well laminated at 40 to 50 degrees to the core axis.							
208.08	255.12	ARKOSE							
		Grey-green, fine grained, generally massive but locally laminated at 50 to 60 degrees to the core axis. Trace to 1% finely disseminated pyrite. Minor calcitic patches ( associated with fracturing ). Brown coloured, cherty zones occur from 216.50 to 216.60 and from 217.50 to 217.64.	42705	227.25	228.25	1.00	1-5	.000	nil
			42706	228.25	229.25	1.00	1-5	.000	nil
			42707	229.25	230.25	1.00	1-5	.010	.01
209.75	210.12	Syenite. Pink - red, fine grained, well fractured. Contacts at 50 /? degrees to the core axis.							
211.46	211.65	Vein. Dirty white quartz vein with angular sediment or syenite fragments throughout. Trace pyrite. Contacts at 50 degrees to the core axis.							
212.24	213.24	Syenite dyke. Pink - red, fine grained, with fine grained grey biotitic patches and spots throughout. Trace pyrite. Contacts at 10/20 degrees to the core axis.							
219.50	220.00	Mafic intrusive. Dark green, fine grained, calcitic, non-magnetic. Contacts at 60/70 degrees to the core axis.							
227.47	230.05	Locally sub graphitic argillite with 1 to 5% finely disseminated pyrite.							
237.84	238.09	Syenite ? dyke at irregular / 55 degrees to the core axis. Pink - grey, green and fine grained with light grey, fine grained, felsic patches throughout. Dyke appears much like trap.							
238.22	238.57	Syenite ? dyke at 55/60 degrees to the core axis. Same as described above from							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		237.84 to 238.09.							
253.36	254.29	Syenite. Pink - red, fine grained with small black mafic spots and 1% finely disseminated pyrite. Contacts at 20 degrees to the core axis.							
255.12		Irregular lower contact. Not sharp.							
255.12	281.03	GABBRD							
			42708	265.10	266.20	1.10	TR	.033	.03
			42709	275.46	276.23	.77	3-5	.139	.18
		Dark green, medium grained, salt and pepper texture. Weakly to moderately magnetic - increasing down section. Weakly to moderately calcitic throughout. Local fine grained inclusions of sediment (?). Numerous narrow syenite patches or bands.							
258.88	258.96	Syenite dyke at 50/35 degrees to the core axis.							
265.10	266.20	Fractured along core axis with chlorite or green clay lining of fracture. Quartz - feldspar vein occurs along core axis from 265.83 to 266.02.							
268.68	268.72	Syenite dyke with cubic galena lining of fracture.							
275.30	275.46	Syenite dyke at 15/25 degrees to the core axis.							
275.70		Fault plane. Clay lined slip at 20 degrees to the core axis with 10 cm halo of 5-10% pyrite.							
276.23	276.45	Syenite dyke at 20 degrees to the core axis							
277.72	278.17	Syenite dyke at irregular / 40 degrees to the core axis.							
278.57	279.30	Syenite dyke at irregular / 10 degrees to the core axis. Some fine to medium grained mafic inclusions up to 10 cm wide.							
279.75	279.95	Syenite dyke at 10 degrees to the core axis							
281.03		Sharp lower contact at 45 degrees to the core axis							
281.03	284.64	SYENITE							
			42710	283.04	284.14	1.10	8	.011	.01
			42711	284.14	284.64	.50	8	.010	.02
		Pink - red, fine grained, relatively unfractured. Non-magnetic. Non-calcitic. Minor finely disseminated muscovite. Minor inclusions up to 5 cm of fine grained mafic rock. Possible fracture filling molybdenum from 284.55 to 284.60. Sharp lower contact at 70 degrees to the core axis.							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
284.64	323.90	GABBRO	42712	284.64	285.14	.50	8	.000	nil
		Same as described above from 255.12 to 281.03. Moderately magnetic throughout. Numerous syenite dykes vary up to 1.3 m wide. Local brown biotitic patches.	42713	285.14	285.87	.73	8	.007	.01
		285.04 285.86 Syenite dyke at 15/40 degrees to the core axis.	42714	322.90	323.90	1.00	1	.010	.01
		286.00 286.23 Syenite dyke at irregular degrees to the core axis.							
		287.70 287.92 Syenite dyke at 30 degrees to the core axis							
		288.00 288.90 Syenite dyke at 40 degrees to the core axis							
		299.12 Slickensided fracture at 20 degrees to the core axis.							
		299.12 304.20 Increasing fracturing - commonly chlorite lined or slickensided. Occurs at all angles to core axis.							
		304.20 305.35 Syenite dyke at 30 degrees to the core axis. Includes several fine grained, light grey micaceous (?) patches up to 2 cm across. Well foliated at 35 degrees to the core axis.							
		307.64 307.71 Syenite dyke at 25/45 degrees to the core axis.							
		307.87 308.75 Syenite dyke at 40/25 degrees to the core axis. Same as described above from 304.20 to 305.35 but less foliated.							
		310.48 311.48 Syenite dyke at 45 degrees to the core axis. Same as described above.							
		312.45 312.88 Syenite dyke at 30/45 degrees to the core axis. Same as described above.							
		313.10 313.46 Syenite dyke at 50 degrees to the core axis							
		314.78 315.47 Syenite dyke at 40/30 degrees to the core axis. Includes fine grained gabbro bands 3 cm and 8 cm wide.							
		316.45 317.50 Syenite dyke at 60/30 degrees to the core axis. Same as described above.							
		317.50 323.90 Gabbro is less homogeneous. Varies from fine to medium grained phases with increasing hairline calcite veining. Increasing strong patchy calcitic alteration.							
		323.90 Sharp lower contact at 30 degrees to the core axis							
323.90	326.73	SYENITE	42715	323.90	325.00	1.10	1-2	.066	.06

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			42716	325.00	326.00	1.00	1-2	.070	.07
		Pink - red, fine grained and locally foliated with 20% light grey, fine grained micaceous (?) patches up to 1 cm. 1 to 2% finely disseminated pyrite. Contacts at 30/70 degrees to the core axis.	42717	326.00	326.73	.73	1-2	.044	.06
326.73	334.22	GABBRD							
		Same as described above from 284.64 to 323.90.	42718	326.73	327.73	1.00	1	.020	.02
323.63	323.86	Syenite dyke at 20/45 degrees to the core axis.	42719	332.83	333.47	.64	1-2	.320	.50
329.51	329.73	Syenite dyke at 55/50 degrees to the core axis.							
330.50	330.74	Syenite dyke at 35/30 degrees to the core axis.							
331.98	332.05	Syenite dyke at 60/30 degrees to the core axis.							
332.18	332.46	Syenite dyke at 25/20 degrees to the core axis.							
332.83	333.47	Brecciated, some grey silicification and numerous narrow quartz, carbonate or syenite veinlets.							
333.65	333.72	Syenite dyke at 70/40 degrees to the core axis.							
333.92	334.10	Syenite dyke at irregular / 60 degrees to the core axis. Brecciated.							
334.22		Lower contact at 70 degrees to the core axis.							
334.22	337.28	SYENITE							
		Same as described above from 323.90 to 326.73. Unfoliated							
337.28	338.05	GABBRD							
		Dark grey, fine grained, non-magnetic, weakly hematized. Strong patchy calcitic alteration. Trace pyrite.	42720	337.28	338.05	.77	TR	.000	nil
337.72		FAULT ZONE. 5 mm wide clay-grit seam at 45 degrees to the core axis. Blocky, highly fractured core from 337.72 to 338.05.							



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From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
338.05	338.54	SYENITE	42721	338.05	338.94	.89	TR	.125	.14
<p>Same as described above from 334.22 to 337.28. Contacts at 50 degrees to the core axis.</p>									
338.54	338.83	GABBRO							
<p>Same as described above from 337.28 to 338.05. Includes some narrow syenitic stringers.</p>									
338.83	338.94	SYENITE							
<p>Same as described above from 334.22 to 337.28. Contacts at 60 degrees to the core axis.</p>									
338.94	340.16	FAULT ZONE	42722	338.94	340.16	1.22	1-2	.244	.20
<p>Angular pink syenitic to grey calcitic fragments in a black chloritic to locally clay matrix. Blocky and well fractured core. 1-2% pyrite.</p>									
339.14	339.17	Greenish-grey gritty clay seam at 50 degrees to the core axis.							
339.17	339.26	Fractured barren white quartz vein at 50/30 degrees to the core axis.							
339.83	339.93	Syenite fragment.							
340.16	340.70	INTERMEDIATE INTRUSIVE	42723	340.16	340.70	.54	2-10	.038	.07
<p>Original rock type is difficult to determine because of effects of intrusive syenite. Could originally have been an ARKOSE. Unit is grey-green, fine grained, massive, moderately magnetic and moderately calcitic.</p>									

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		Small dark green chloritic spots throughout. Becoming orange - brown coloured over lower 10 cm. 2 to 10% finely disseminated pyrite. Sharp contacts at 75/55 degrees to the core axis.							
340.70	341.67	SYENITE	42724	340.70	341.67	.97	2-3	.175	.18
		Orange-red, fine grained, moderately fractured, non-magnetic, non-calcitic, 2-3% finely disseminated pyrite. Cut by a set of narrow calcite stringers averaging 15 to 35 degrees to the core axis. Local quartz veining at 30 to 45 degrees to the core axis cuts calcite veining at right angles. Lower contact at 70 degrees to the core axis.							
341.67	342.42	20% SILICIFIED	42725	341.67	342.42	.75	1-2	.053	.07
		Medium to dark grey, fine grained, massive, moderately magnetic, pervasively calcitic, becoming progressively more silicified, less calcitic, and more brecciated to fractured down section. 1 to 2% finely disseminated and fracture filling pyrite. Silicification is light grey coloured and occurs as halos around fractures. Local syenite fragments or dykes up to 5 cm wide. Lower contact of unit broken and irregular.							
342.42	343.70	SYENITE	42726	342.42	343.70	1.28	1-3	.320	.25
		Orange - red, fine grained, well fractured to highly brecciated. Local dark grey-green mafic bands up to 5 cm wide. Mafic bands are strongly calcitic. 1 to 3% finely disseminated and fracture filling pyrite. Lower contact highly brecciated.							
343.70	345.52	100% SILICIFIED	42727	343.70	344.60	.90	2-5	.891	.99
			42728	344.60	345.52	.92	2-5	.248	.27

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From To -----Description----- Sample From To Length % Sul SW Au g/t

Medium to dark grey to brown to buff and highly brecciated. Buff to brown coloured, angular, fine grained fragments are in a grey coloured, very fine grained intensely silicified matrix. Minor black chloritic fragments. 2 to 5% finely disseminated pyrite throughout. Non-magnetic. Non-calcitic. Strongly ankeritic.

345.26 345.40 Dirty white quartz vein at 70/60 degrees to the core axis. Trace pyrite.

345.40 345.52 Sheared at 70 degrees to the core axis. Medium green, fine grained, non-silicified, strongly calcitic.

345.52 346.68 SYENITE

42729 345.52 346.68 1.16 1-2 .545 .47

Red, fine grained and brecciated to fractured with grey micaceous spots or filling of fractures. 1 to 2% fracture filling pyrite. A grey, finely disseminated, silicified band occurs from 346.31 to 346.37.

346.68 348.39 10% SILICIFIED

42730 346.68 347.50 .82 TR-2 .025 .03

42731 347.50 348.39 .89 TR-2 .018 .02

5% Silicification. Medium grey-green, fine grained, massive, moderately fractured and moderately calcitic. Silicification occurs in light greenish-grey mottled patches in upper 60 cm of unit and as narrow alteration along fractures in rest of unit. Fine hairline calcite veining throughout. Trace to 2% finely disseminated patches or fracture filling pyrite usually associated with silicification or fracturing. Difficult to determine original rock type. Could possibly have been and ARKOSE but no bedding visible.

348.39 348.91 SYENITE

42732 348.39 348.91 .52 TR .016 .03

Red, fine grained with light grey micaceous patches throughout. Foliated at 50 degrees to the core axis. Trace pyrite. Contacts at 65/20 degrees to the core axis.

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From	To	Description	Sample	From	To	Length	X	Sul	GW	Au	g/t
348.91	349.61	MAFIC INTRUSIVE	42733	348.91	349.61	.70	1	.000		nil	

Dark green, fine grained, massive, strongly calcitic.  
 Fine black biotite grains throughout. Non-magnetic.  
 Could possibly have been a sediment or basalt which has  
 been changed by syenite intrusive.

349.61 END OF HOLE.



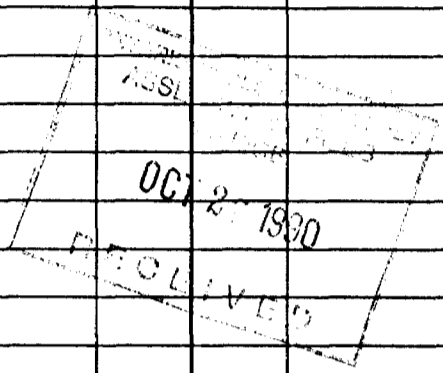
**Mining Act**

**Report of Work**

Name and Address of Recorded Holder <i>INDEPENDENT MINING CORPORATION LTD</i>	Prospector's Licence No. <i>T 5180</i>
<i>STE 605, 80 RICHMOND ST. W TORONTO</i>	Telephone No. <i>(416) 364-0092</i>

**Summary of Distribution of Credits and Work Performance**

Mining Division <i>LARDER LAKE</i>	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
Township or Area <i>HARKER</i>	<i>L</i>	<i>579095</i>										
Total Assessment Credits Claimed <i>3722.6 days</i>	<i>L</i>	<i>579095</i>										
Type of Work Performed (Check one only)  <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work <input type="checkbox"/> Mechanical equipment <input type="checkbox"/> Power Stripping other than Manual (maximum credit allowed - 100 days per claim) <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Core Specimens	<i>L</i>	<i>579099</i>	<i>83.55</i>									
	<i>L</i>	<i>579093</i>	<i>92.5</i>									
	<i>L</i>	<i>579097</i>	<i>80.7</i>									
	<i>L</i>	<i>579098</i>	<i>40.15</i>									
	<i>L</i>	<i>579099</i>	<i>54.0</i>									
	<i>L</i>	<i>579100</i>	<i>57.45</i>									
	<i>L</i>	<i>579101</i>										



Dates when work was performed From: <i>JULY 4<sup>th</sup></i> To: <i>Sept 26, 1988</i>	Total No. of Days Performed <i>3722.6</i>	Total No. of Days Claimed <i>355.35</i>	Total No. of Days to be Claimed at a Future Date <i>3367.25</i>
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All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)		Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
		<i>L579097</i>	<i>868.7</i>	<i>L579093</i>	<i>198.6</i>	<i>L579100</i>	<i>116.5</i>	<i>L579098</i>	<i>903.7</i>
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
<i>L579095</i>	<i>346.1</i>								

Required information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side)  
 If space below is insufficient, attach schedules with required information and location sketches

HOLE	LENGTH metres	feet	
<i>460</i>	<i>267.3</i>	<i>878.7</i>	<i>L579097</i>
<i>466</i>	<i>297.8</i>	<i>977.9</i>	<i>L579093</i>
<i>467</i>	<i>349.6</i>	<i>1136.2</i>	<i>116.5 ft on L579100; 1019.7 ft on L579093</i>
<i>474</i>	<i>230.7</i>	<i>749.8</i>	<i>403.7 ft on L579098; 346.1 ft on L579095</i>
		<i>3722.6</i>	

*Phillips DIAMOND DRILLING CO*

Certification of Beneficial Interest \* (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: *Sept 20, 1990* Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

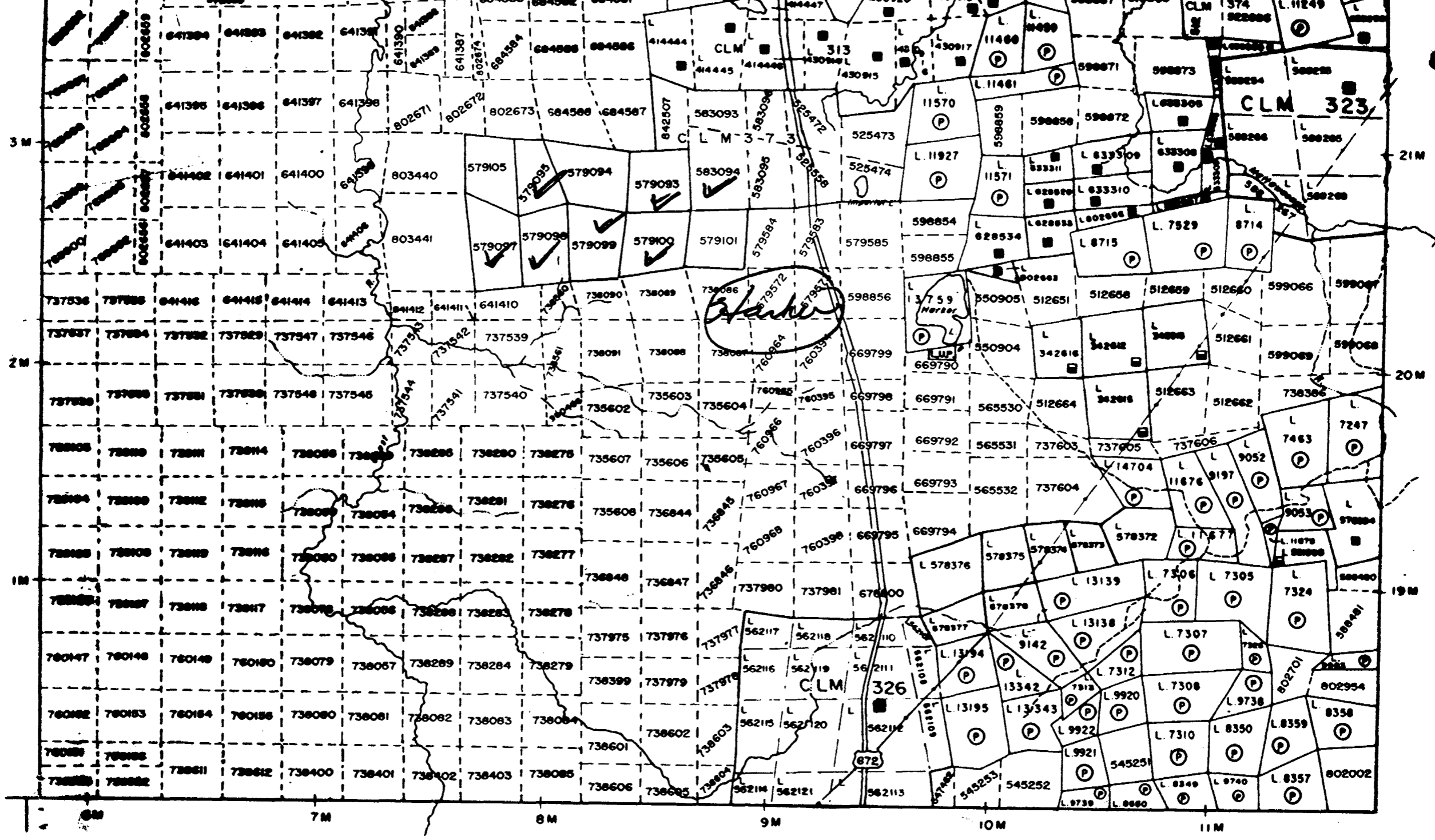
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

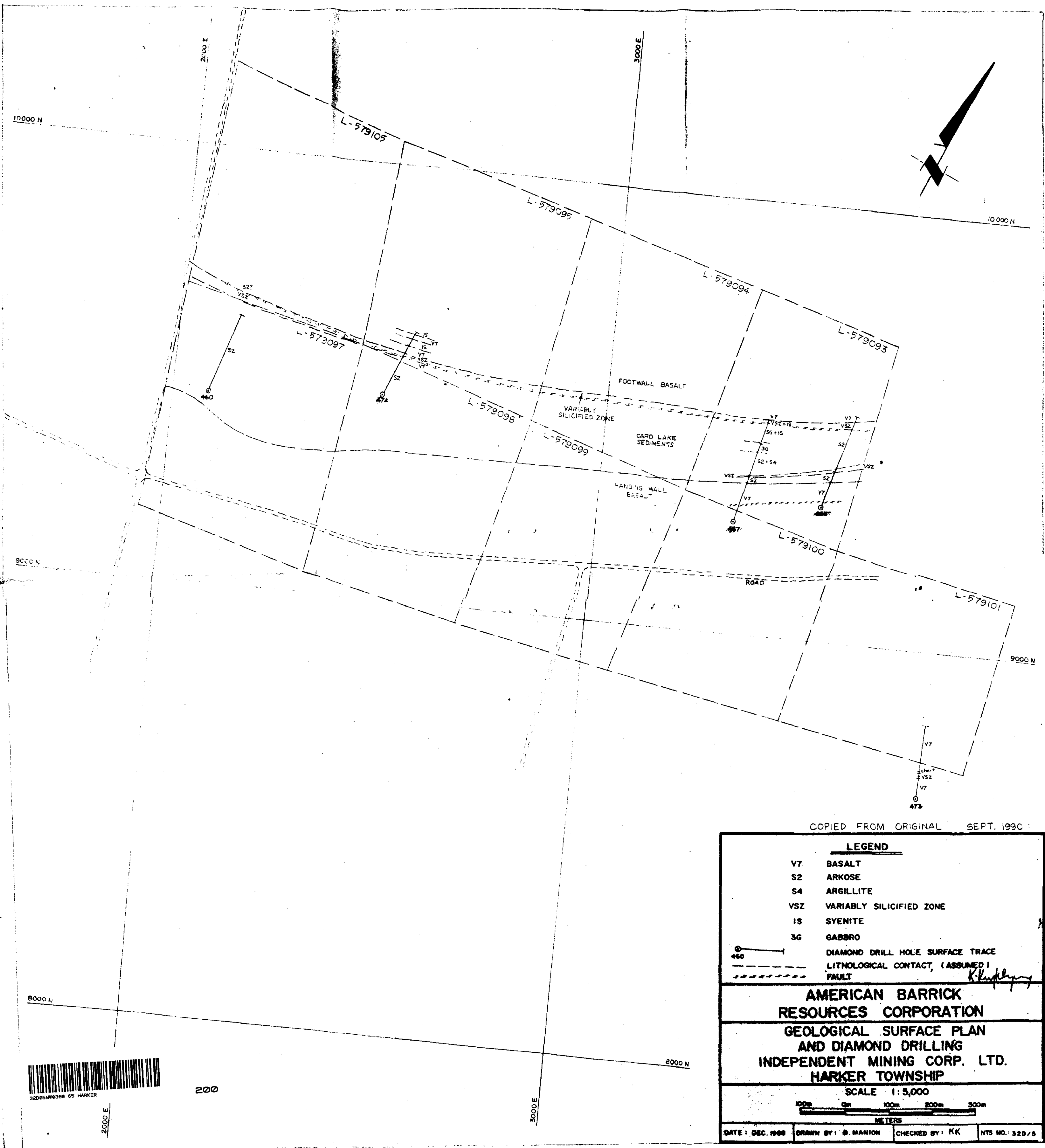
Name and Address of Person Certifying: *C.G. Hobbes Ste 605, 80 Richmond St W Toronto*

Telephone No.: *416 364-0092* Date: *Sept 20, 1990* Certified By (Signature): *[Signature]*

**For Office Use Only**

Work Assignments <i>L 579097 Independent Mining Corporation Ltd. 274.65 3725.35</i>	Received Stamp <b>RECEIVED</b> LARDER LAKE MINING DIVISION OCT 4 1990 TIME <i>9:33 am</i>
<del><i>(120) L579095 396.7 days performed.</i></del>	





COPIED FROM ORIGINAL SEPT. 1990

LEGEND	
V7	BASALT
S2	ARKOSE
S4	ARGILLITE
VSZ	VARIABLY SILICIFIED ZONE
IS	SYENITE
3G	GABBRO
○	DIAMOND DRILL HOLE SURFACE TRACE
---	LITHOLOGICAL CONTACT, (ASSUMED)
---	FAULT

*K. K. Harker*

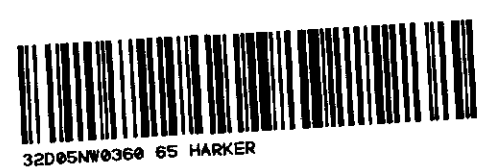
**AMERICAN BARRICK  
RESOURCES CORPORATION**

**GEOLOGICAL SURFACE PLAN  
AND DIAMOND DRILLING  
INDEPENDENT MINING CORP. LTD.  
HARKER TOWNSHIP**

SCALE 1:5,000

100m 0m 100m 200m 300m  
METERS

DATE: DEC. 1988	DRAWN BY: B. MANION	CHECKED BY: KK	NTS NO: 320/5
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200

2000 E

3000 E

8000 N

9000 N

9000 N

10000 N

10000 N

2000 E

3000 E

L-579105

L-579095

L-579094

L-579093

L-579097

L-579098

L-579099

L-579100

L-579101

460

474

467

473

FOOTWALL BASALT

VARIABLY SILICIFIED ZONE

CARD LAKE SEDIMENTS

HANGING WALL BASALT

ROAD

V7

V7

VSZ

VSZ

S2

S2

V7

V7

VSZ

VSZ

S2

S2

V7

V7

VSZ

VSZ

S2

S2

V7

V7

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S2

V7

V7