



42B01NE0085 2.13263 PENHORWOOD

010

SEWELL-REEVES PROJECT

ASSAY RESULTS

RE:

WEST BLOCK DRILLING

PENHORWOOD TOWNSHIP

RECEIVED

APR 30 1990

MINING LANDS SECTION

CONTENTS:

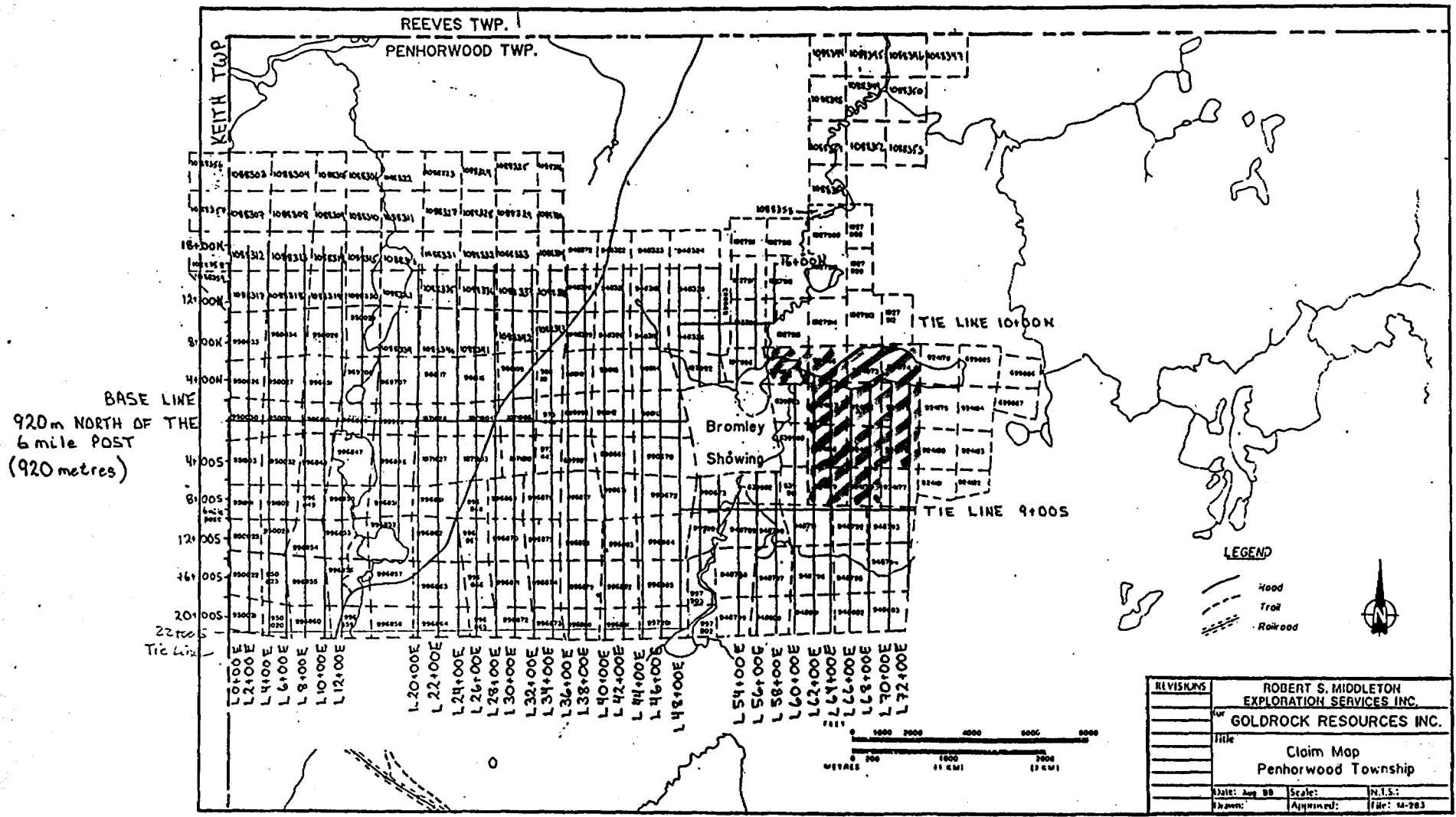
- copy of Report of Work
- claim sketch showing where assays were taken
- summary of assay sheets
- representative invoices
- breakdown of assays in drillholes by claim
- Technical Data Statement
- logs of drillholes with assays entered
- plus: photo-reduced claim map
 location sketch at 1:5000
- assay sheets in chronological order.

2.13263

Dale R. Alexander
Senior Exploration Geologist

Re Assays

Claims on which drilling was performed
 /// Claims on which work is being applied



REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for GOLDROCK RESOURCES INC.		
	Title		
	Claim Map Penhorwood Township		
Date: Aug 88	Scale:	N.T.S.	
Drawn:	Approved:	#R: 44-283	

SEWELL-REEVES PROJECT
SUMMARY OF ASSAY SHEETS

WEST BLOCK DRILLING 1989


November	9	-	13 samples
	12	-	36
	14	-	31
	15	-	58
	17	-	38
	30	-	48
December	3	-	58
	3	-	64
	5	-	28
	8	-	78
	11	-	75
	11	-	80

607 samples

x \$7.50 cost per assay

\$4552.50 / \$15 = 303.5 days credit.

All assaying was completed at the Holt-McDermott assay lab at a charge of \$7.50 per sample -- a representative invoice signed by the Regional Exploration Manager is attached. The charge is all-inclusive of sample preparation and assaying. Since the assay rate is considerably less than a commercial lab, check samples and assays of additional elements are charged at the same \$7.50 rate. All samples are assayed for gold in grams (or ppm).


Dale R. Alexander
Senior Exploration Geologist



American Barrick Resources Corporation
HOLT-MCDERMOTT MINE

P.O. Box 278
Telephone: 1 (705) 567-9251

Kirkland Lake, Ontario

P2N 3H7
Fax: 1 (705) 567-6867

December 15, 1989

American Barrick Resources Corporation
Exploration Division
P. O. Box 1203
Kirkland Lake, Ont
P2N 3H7

INVOICE #89-13

Assays November 1989

1630 at 7.50 = \$12,225.00

Advertisement at 50% = 125.00

\$12,350.00

Less: U.P.S. collect charge (172.88)

INVOICE TOTAL

\$12,177.12

Please make cheque payable to:

American Barrick Resources Corporation
Holt-McDermott Mine
P. O. Box 278
Kirkland Lake, Ont
P2N 3H7

D. Mitchell
Chief Accountant

DM:rb

P-177-64 = 351 = 2632.50
P-160-64 = 1017 = 7627.50
P-262-64 = 256 = 1920.00
P-201-64 = 6 = 45.00
12150.00
P-200-88 = 1 = 125.00
12150.00
P-200-74 = 1 = 172.88
12177.12

REC-113
15 DEC 1989
RESOLVED

92
00-01-90

PAID
JAN 3/90
\$1278



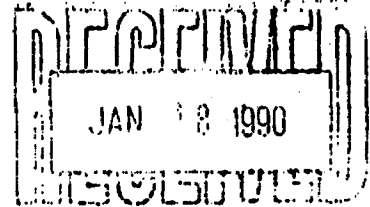
American Barrick Resources Corporation
HOLT-McDERMOTT MINE

P.O. Box 278
Telephone: 1 (705) 567-9251

Kirkland Lake, Ontario

P2N 3H7
Fax: 1 (705) 567-6867

January 16, 1990



American Barrick Resources Corporation
Exploration Division
P. O. Box 1203
Kirkland Lake, Ont
P2N 3H7

INVOICE 90-02

Assays December 1989

1648 at 7.50 = \$12,360.00

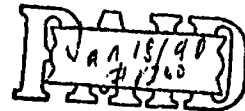
Advertisement at 50% = 195.30

Invoice Total = \$12,555.30

Please make cheque payable to:

American Barrick Resources Corporation
Holt-McDermott Mine
P. O. Box 278
Kirkland Lake, Ont
P2N 3H7

D. Mitchell
Chief Accountant



DM:rb

P-200-88 = 195.30
P-201-64 = 1,100.00
P-160-64 = 3,772.50
P-162-64 = 3,840.00
P-177-64 = 2,872.50
P-178-64 = 765.00

gille
← commission
18-01-90

**Breakdown of Assays
in drillholes, by claim**

Claim 950022	-	DDH 12 upper part	49 assays	
	-	DDH 14 lower part	41 assays	
			<hr/>	
			90 assays	45.0 days
Claim 950021	-	DDH 12 lower part	95 assays	
	-	DDH 13	67 assays	
			<hr/>	
			162 assays	81.0 days
Claim 950025	-	DDH 14 upper part	5 assays	2.5 days
Claim 950027	-	DDH 15 upper part	18 assays	9.0 days
Claim 950031	-	DDH 15 lower part	15 assays	
	-	DDH 16	84 assays	
			<hr/>	
			99 assays	49.5 days
Claim 639978	-	DDH 17	100 assays	50.0 days
Claim 924167	-	DDH 18	88 assays	44.0 days
Claim 924168	-	DDH 19	45 assays	22.5 days
			<hr/>	
			607 assays	303.5 days

Dale R. Alexander
Dale R. Alexander
Senior Exploration Geologist

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken Drillholes on claims P.950022, 950021, 950025, 950027, 950031, 639978, 924167, 924168

Total Number of Samples 607

Type of Sample split drill core
(Nature of Material)

Average Sample Weight 1.5 kgs

Method of Collection diamond drilling

Soil Horizon Sampled n/a

Horizon Development n/a

Sample Depth variable

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness 0 to 70m

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis -200 mesh

General The sample is dried, crushed (jaw crusher and cone crusher) and is pulverized (disc pulverizer) to -200 mesh.

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (607 tests)

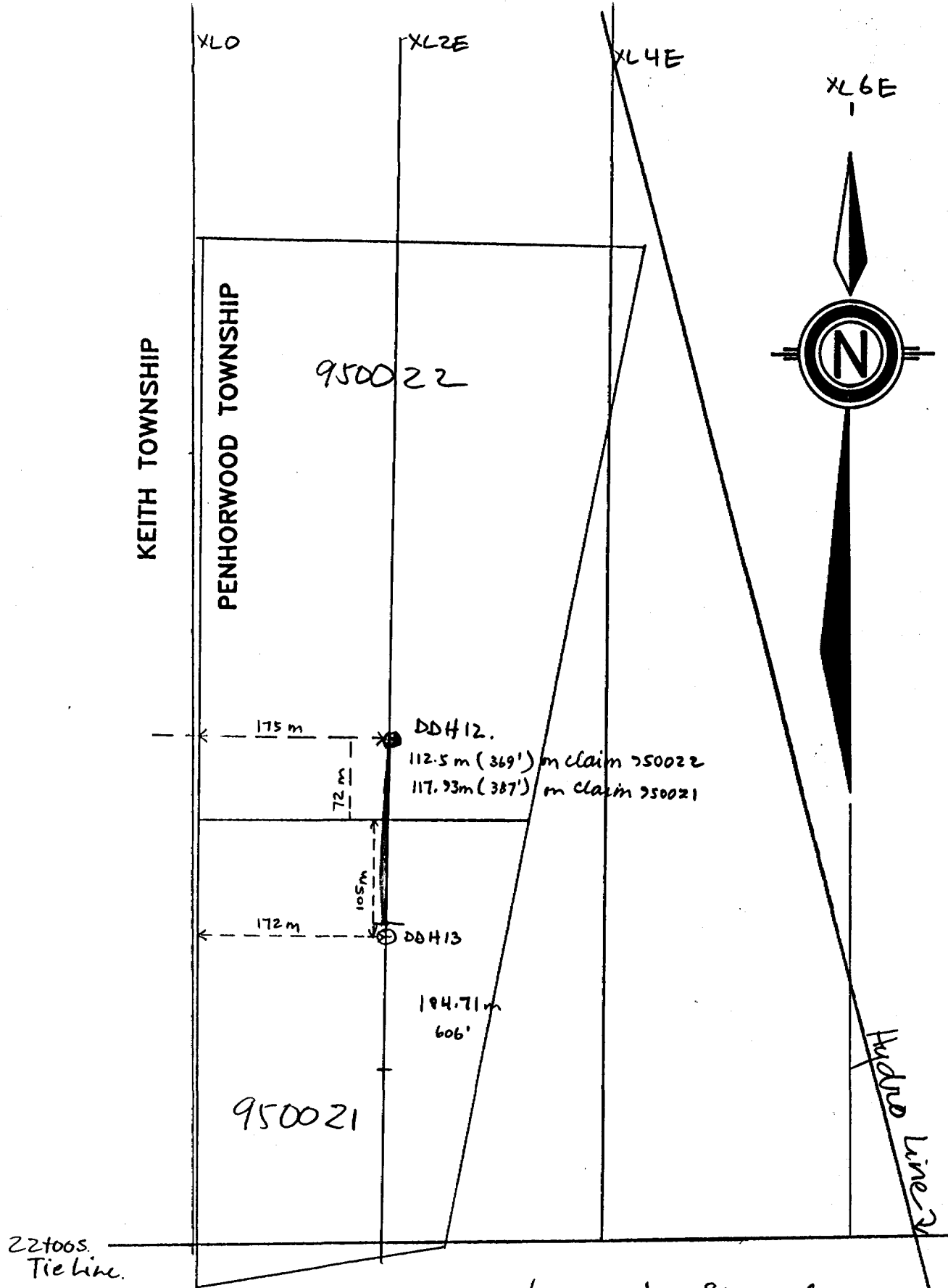
Name of Laboratory Holt-McDermott

Extraction Method Aqua regia

Analytical Method fire and AA

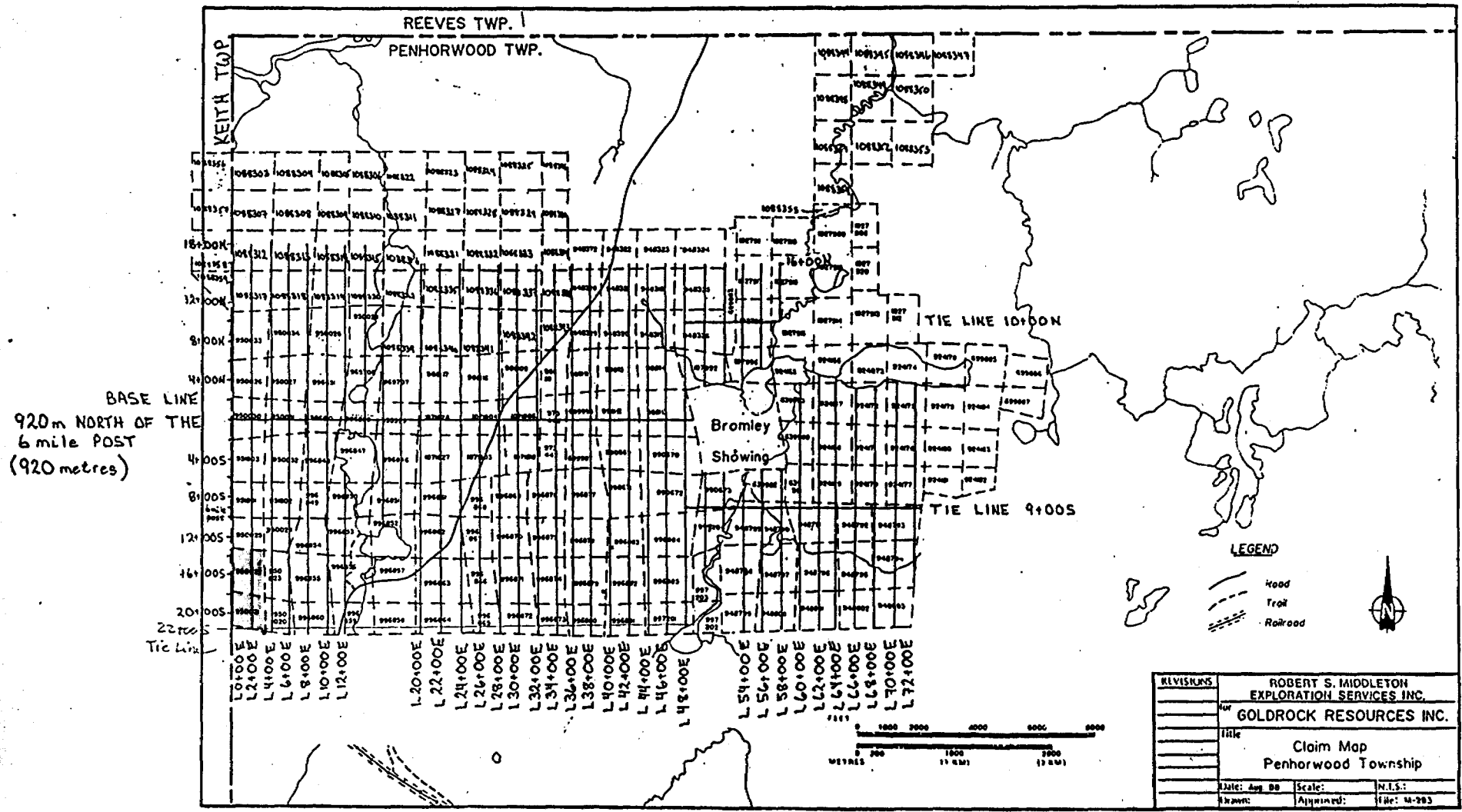
Reagents Used flux, AgNO₃, HNO₃, HCl

General The sample is fluxed and fused to produce a gold bead which is subsequently dissolved in Aqua regia and read with Atomic Absorption.



Location Sketch
 Drillholes 12, 13
 Penhorwood Township.
 Scale 1:5000.

Claims on which drilling was performed
 Claims on which work is being applied



REVISIONS		ROBERT S. MIDDLETON EXPLORATION SERVICES INC.	
		GOLDROCK RESOURCES INC.	
		Title	
		Claim Map Penhorwood Township	
Date: Aug 88	Scale:	N.T.S.	
Drawn:	Approved:	File: M-283	

AMERICAN BARRICK RESOURCES CORPORATION

Core No.:	.0 .0	DIAMOND DRILL RECORD	HOLE NO.:	SR.89-12
Azimuth:	180.0	Section:	Property:	SEWELL - REEVES
Dip:	-50.0	Core Size: 80	Location:	L2+00E 17+50S
Elevation:	.0		Date Started:	October 31, 1989
Length:	230.4		Date Completed:	November 2, 1989
Measurement:	Metric		Logged by:	M. Bergeron
Comments:	Casing Pulled			

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-43.0	137.16		-34.0	230.43		-31.0
91.44		-38.0	182.88		-32.0			

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

.00 6.35 OVERBURDEN.
 6.35 8.80 BASALT.
 8.80 13.20 ULTRAMAFIC.
 13.20 38.40 BASALT.
 33.50 - 35.0 felsic intrusive.
 38.40 42.25 BASALT, flow breccia.
 42.25 56.75 ULTRAMAFIC.
 50.10 - 52.45 BASALT.
 56.75 84.30 BASALT.
 56.75 - 57.55 BASALT weakly foliated.
 57.55 - 58.05 mafic intrusive.
 58.05 - 60.65 BASALT foliated.
 60.65 - 61.55 felsic intrusive.
 61.55 - 71.73 BASALT foliated intercalated
 ULTRAMAFIC.
 71.73 - 84.30 BASALT massive.
 84.30 103.65 ULTRAMAFIC.
 85.50 - 85.70 BASALT.
 91.45 - 92.05 BASALT.
 96.45 - 99.15 BASALT.
 103.65 110.30 Felsic intrusive.
 110.30 142.65 ARGILLITE / GREYWACKE.
 114.70 - 115.30 graphitic ARGILLITE.
 116.35 - 116.95 felsic intrusive.
 124.60 - 130.85 foliated.
 130.85 - 135.85 felsic intrusive.
 135.85 - 138.85 graphitic ARGILLITE.
 141.40 - 142.65 graphitic ARGILLITE.
 142.65 145.95 Felsic intrusive.
 145.95 185.35 ULTRAMAFIC.

Michael Bergeron
 AMERICAN BARRICK
 RESOURCES CORPORATION

From	To	Description	Sample From	To	Length	% Sul	GM	Au g/t
		145.95 - 148.0 silicified zone.						
		148.0 - 153.5 chlorite talc carbonate schist.						
		153.5 - 165.4 sheared ULTRAMAFIC.						
		160.10 - 161.65 felsic intrusive.						
		165.40 - 185.35 talc chlorite carbonate schist.						
		170.90 - 171.28 LAMPROPHYRE.						
		175.70 - 176.0 LAMPROPHYRE.						
		176.48 - 176.65 FAULT ZONE.						
185.35	230.43	ULTRAMAFIC.						
		190.7 - 200.3 BASALT.						
		224.20 - 226.40 silicified brecciated zone.						
230.43		END OF HDLE.						

.00 6.35 OVERBURDEN

6.35 8.80 BASALT

97433 7.80 8.80 1.00 NIL .020 .02

Moderately hard, fine grained grey-green, nonmagnetic mafic volcanic. Strongly chloritic, moderately ankeritic. Poorly veined. Barren of mineralization. There is a weak to moderate foliation at 35 to 45 degrees to the core axis.

Lower contact is sharp at 40 degrees to the core axis. From 8.3 to 8.8, there are 1 to 3% ankerite - quartz veins, 1 to 3 mm wide, elongated along foliation.

8.80 13.20 ULTRAMAFIC

97434 8.80 9.80 1.00 NIL .040 .04
97435 12.20 13.20 1.00 NIL .070 .07

Moderately soft to soft, fine grained, medium grey blue, nonmagnetic, massive ultramafic flow. Strongly chloritic, moderately talcose, moderately ankeritic. There are 2 to 4% ankerite veins as fracture filling at random angles.

Barren of mineralization. Locally there is a weak foliation averaging 45 degrees to the core axis. Lower contact is sharp at 45 degrees to the core axis.

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

13.20 38.40 BASALT

Moderately hard, fine grained, medium grey-green, weakly magnetic from 29.45 to 38.4, massive to weakly foliated mafic volcanic.

Moderately to strongly chloritic, weakly ankeritic pervasively. There is a weak patchy biotitic alteration from 14 to 17 m. There are trace, 1 to 2 mm wide, white ankerite veins. Fracture fillings.

There is nil to rare trace of very fine pyrite disseminated.

The weakly developed foliation averages 45 degrees to the core axis. Foliation is strongly contorted from 18.10 to 18.50. Lower contact is sharp at 60 degrees to the core axis.

14.02 17.07 : there are 0.85 m lost core. Mafic volcanics are moderately fractured at 80 to 85 degrees to the core axis.

17.07 17.80 : mafic volcanic are intercalated by a moderately foliated talc - chlorite - carbonate schist. Foliation and contacts are 45 degrees to the core axis. There are 5%, 2 to 5 mm wide ankerite quartz veins pinched along foliation. Barren of mineralization.

32.50 32.70 : strongly fractured core at 85 degrees to the core axis intercalated minor talc along fractures.

33.50 35.00 Felsic intrusive. Hard, fine grained, medium grey, nonmagnetic feldspar porphyry dyke. There are 5%, white - beige hypidiomorphic feldspars, 2 to 5 mm wide. Unveined. Barren of mineralization. Contacts are 45 to 70 degrees to the core axis.

97436	13.20	14.20	1.00	NIL-TR	.110	.11
97437	14.20	15.20	1.00	NIL-TR	.090	.09
97438	17.07	17.80	.73	NIL-TR	.051	.07
97439	17.80	18.80	1.00	NIL-TR	.080	.08
97440	29.00	30.00	1.00	NIL-TR	.080	.08
97441	32.50	33.50	1.00	NIL-TR	.060	.06
97442	33.50	35.00	1.50	NIL-TR	.060	.04
97443	35.00	36.50	1.50	NIL-TR	.090	.06
97444	37.40	38.40	1.00	NIL-TR	.050	.05

38.40 42.25 BASALT

Moderately hard, fine grained, grey brown, nonmagnetic, mafic flow breccia. There are 10 to 25%, 5 mm to 2 cm wide angular to subangular fragments.

Moderately chloritic, weakly biotitic. There are 1%, 1 to 2 mm, white calcite fracture fillings.

There is nil to rare trace very fine pyrite disseminated. Contacts are 60 and 50 degrees to the core axis.

97445	38.40	39.40	1.00	NIL-TR	.030	.03
97446	39.40	40.40	1.00	NIL-TR	.010	.01
97447	41.25	42.25	1.00	NIL-TR	.020	.02

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
42.25	56.75	ULTRAMAFIC							
			97448	42.25	43.25	1.00	NIL-TR	.040	.04
			97449	49.10	50.10	1.00	NIL-TR	.020	.02
		Moderately soft to soft, fine grained, medium grey-blue, nonmagnetic, massive ultramafic flow. Strongly chloritic, moderately talcose, very weakly ankeritic. There are 2 to 4% ankerite veins as fracture fillings. There is nil to rare trace of pyrite disseminated. Lower contact is veined at 65 degrees to the core axis.	97450	50.10	51.10	1.00	NIL-TR	.010	.01
			97451	51.10	52.45	1.35	NIL-TR	.081	.06
			97452	52.45	53.45	1.00	NIL-TR	.070	.07
			97453	55.75	56.75	1.00	NIL-TR	.010	.01
50.10	52.45	BASALT. Moderately hard, medium greenish-grey, nonmagnetic massive mafic volcanic. Strongly chloritic, very weakly ankeritic. There are 1% ankerite veins fracture fillings. There is nil to trace pyrite. Contacts are 45 to 60 degrees to the core axis.							
56.75	84.30	BASALT							
			97454	57.55	58.26	.71	NIL-TR	.142	.20
			97455	59.65	60.65	1.00	NIL-TR	.070	.07
		56.75 57.55 BASALT weakly foliated. Moderately hard, very fine grained, nonmagnetic, weakly foliated at 50 degrees to the core axis mafic volcanic, nonmagnetic. Strongly chloritic, weakly ankeritic. Poorly veined. Barren of mineralization. Lower contact is 50 degrees to the core axis.	97456	60.65	61.55	.90	NIL-TR	.081	.09
			97457	61.55	62.55	1.00	NIL-TR	.020	.02
			97458	62.55	63.55	1.00	NIL-TR	.030	.03
			97459	63.55	64.55	1.00	NIL-TR	.050	.05
			97460	64.55	65.55	1.00	NIL-TR	.050	.05
			97461	69.73	70.73	1.00	NIL-TR	.130	.13
			97462	70.73	71.73	1.00	NIL-TR	.130	.13
		57.55 58.05 Mafic intrusive. Moderately hard, fine grained, nonmagnetic, massive mafic intrusive. Moderately chloritic, weakly biotitic, strongly calcitic. Unveined, barren of mineralization. Lower contact is foliated at 50 degrees to the core axis.	97463	71.73	72.93	1.20	TR-1	.132	.11
			97464	83.30	84.30	1.00	NIL-TR	.080	.08
58.05	60.65	BASALT foliated. Moderately soft, fine grained, moderately foliated, medium greenish-grey, nonmagnetic mafic volcanic. Strongly chloritic, weakly ankeritic. There are 1%, 1 to 2 mm ankerite veins pinched along the foliation averaging 50 degrees to the core axis - they are frequently contorted. There are a few odd decimetric talc - chlorite - carbonate - schist sections. Barren of mineralization. Lower contact is 65 degrees to the core axis.							
60.65	61.55	Felsic intrusive. Feldspar porphyry dyke. Same as 33.50 to 35.0. Lower contact is irregular at 70 to 80 degrees to the core axis.							

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

61.55 71.73 BASALT foliated. Intercalated ULTRAMAFIC. Moderately soft, medium greenish-grey, fine grained, moderately foliated nonmagnetic mafic volcanic. Strongly chloritic, weakly ankeritic and calcitic. There are 2 to 5%, ankerite - calcite veins pinched along foliation averaging 70 degrees to the core axis - frequently contorted. There is nil to trace pyrite. Foliated mafic volcanics are intercalated by 30% decimetric talc chlorite - carbonate schist sections. Lower contact is veined at 70 degrees to the core axis.

71.73 84.30 BASALT massive. Medium green to greenish-grey, fine grained, nonmagnetic mafic volcanic. Strongly chloritic weakly carbonatized as ankeritic alteration with minor patchy calcitic alteration. Poorly veined. There is nil to trace pyrite. Lower contact is veined at 60 degrees to the core axis. From 71.73 to 72.93 mafic volcanics are weakly foliated at 70 degrees to the core axis. There is trace to locally 1% pyrite. From 74.20 to 77.70, mafic volcanics are very weakly foliated at 70 degrees to the core axis with rare micro-folding.

84.30 103.65 ULTRAMAFIC

Moderately soft to soft, fine grained, medium grey-blue, locally weakly magnetic ultramafic flow. Strongly chloritic, moderately talcose, weakly ankeritic. There are 1%, 1 to 3 mm ankerite veins filling fractures. There are nil to trace very fine pyrite blebs disseminated. Lower contact is sharp at 75 degrees to the core axis. Locally ultramafics are intercalated by a moderately soft, fine grained, nonmagnetic, greenish-grey, massive mafic volcanic. Poorly veined, barren of mineralization.

85.50 85.70 BASALT.

91.45 92.05 BASALT.

96.45 99.15 BASALT.

99.70 103.65 : ULTRAMAFIC intercalated minor decimetric weakly bleached and sericitic mafic volcanic bands. Lower contact is weakly biotitic from 103.55 to 103.65.

97465	84.30	85.30	1.00	NIL-TR	.140	.14
97466	90.00	91.00	1.00	NIL-TR	.150	.15
97467	95.00	96.00	1.00	NIL-TR	.090	.09
97468	101.65	102.65	1.00	NIL-TR	.050	.05
97469	102.65	103.65	1.00	NIL-TR	.160	.16

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
103.65 110.30 FELSIC INTRUSIVE									
			97470	103.65	104.65	1.00	TR	.030	.03
			97471	104.65	105.65	1.00	TR	.020	.02
		Hard, medium grey beige, nonmagnetic feldspar porphyry.	97472	105.65	106.65	1.00	TR	.020	.02
		Unveined. There is trace pyrite as fine euhedral grains disseminated. Lower contact is sharp at 30 degrees to the core axis.	97473	106.65	107.65	1.00	TR	.040	.04
			97474	107.65	108.65	1.00	TR	.040	.04
			97475	108.65	109.65	1.00	TR	.020	.02
			97476	109.65	110.30	.65	TR	.026	.04
110.30 142.65 ARGILLITE									
		GREYWACKE.	97477	110.30	111.30	1.00	1-2	.020	.02
			97478	111.30	112.30	1.00	1-4	.060	.06
			97479	112.30	113.30	1.00	1-4	.040	.04
			97480	113.30	114.70	1.40	1-4	.084	.06
		Moderately hard to hard, thinly bedded alternating light grey and medium grey to grey-green argillite intercalated minor greywacke. There is a weak to moderate patchy magnetism. Weakly silicified and ankeritic. There are 1%, 1 to 3 mm graphitic beds along foliation. There is a weak sericitic alteration. Foliation subparallels the bedding at 60 to 70 degrees to the core axis.	97481	114.70	115.30	.60	2-5	.042	.07
			97482	115.30	116.35	1.05	TR-1	.063	.06
			97483	116.35	116.95	.60	NIL-TR	.030	.05
			97484	116.95	117.95	1.00	TR-1	.070	.07
			97485	117.95	118.95	1.00	TR-1	.140	.14
			97486	118.95	119.95	1.00	TR-1	.040	.04
			97487	119.95	120.95	1.00	TR-1	.040	.04
			97488	120.95	121.85	.90	TR-1	.054	.06
		There are 1%, 1 to 3 mm wide carbonate-quartz veins filling fractures.	97489	121.85	122.85	1.00	NIL-TR	.030	.03
		There is trace to 3% pyrite and pyrrhotite as fine blebs or stringers disseminated along foliation.	97490	122.85	123.85	1.00	NIL-TR	.040	.04
		110.30 114.70 : ARGILLITE / GREYWACKE are intercalated by 3 to 5%, 0.5 to 5 cm wide graphitic argillite. Those graphitic beds contain 3 to 4% pyrrhotite, trace to 1% pyrite.	97491	123.85	124.60	.75	NIL-TR	.030	.04
			97492	124.60	125.60	1.00	TR-1	.050	.05
			97493	125.60	126.60	1.00	TR-1	.050	.05
			97494	126.60	127.60	1.00	TR-1	.040	.04
			97495	127.60	128.60	1.00	TR-1	.040	.04
			97496	128.60	129.60	1.00	TR-1	.060	.06
		114.70 115.30 Graphitic ARGILLITE dark grey black, moderately magnetic. There is 2 to 5% pyrrhotite, 1% pyrite. Contacts are 66 and 70 degrees to the core axis.	97497	129.60	130.85	1.25	TR-1	.075	.06
			97498	130.85	131.85	1.00	TR	.060	.06
			97499	131.85	132.85	1.00	TR	.070	.07
			97500	132.85	133.85	1.00	TR	.060	.06
		116.35 116.95 Felsic intrusive. Hard, grey to grey brown coloured, feldspar porphyry. Weakly silicified and sericitic. There are 1% quartz-carbonate fracture fillings and trace very fine pyrite blebs disseminated. Contacts are 85 and 80 degrees to the core axis.	97532	133.85	134.85	1.00	TR-1	.040	.04
			97533	134.85	135.85	1.00	TR	.050	.05
			97534	135.85	136.85	1.00	5-25	.070	.07
			97535	136.85	137.85	1.00	5-25	.060	.06
			97536	137.85	138.85	1.00	2-3	.060	.06
			97537	138.85	139.85	1.00	TR-1	.070	.07
			97538	139.85	140.85	1.00	TR-1	.030	.03
		121.85 124.60 : ARGILLITE / GREYWACKE are very thickly bedded. There are no graphitic beds. There is nil to trace disseminated pyrite.	97539	140.85	141.40	.55	TR-1	.033	.06
			97540	141.40	142.65	1.25	1-3	.050	.04
		124.60 130.85 Foliated. Foliation is contorted and micro-folded. Foliation varies from 70 to 5 degrees to the core axis. There is trace to 1% pyrite and pyrrhotite disseminated.							

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

This section is locally weakly magnetic. There are a few odd decimetric sections brecciated along foliation planes.

130.85 135.85 Felsic intrusive. Hard, fine grained, nonmagnetic, medium grey to grey brown, feldspar porphyry. Weakly silicified. There are trace carbonate - quartz filled fractures. There is trace pyrite as fine euhedral grains disseminated or coating fractures. From 133.85 to 133.93 there is an angular silicified, thinly bedded argillite/wacke fragment. Upper contact is irregular. Lower contact is veined at 50 degrees to the core axis.

135.85 138.85 Graphitic ARGILLITE. Hard, very fine grained, dark grey black, moderately magnetic graphitic argillite. Contacts are 45 and 60 degrees to the core axis. There are trace carbonate filled fracture.

135.85 137.85 : there is 5 to 25% pyrrhotite, 1 to 3% pyrite, rare trace of chalcopyrite as recrystallized nodules or blebs. There are 1 to 3%, 1 to 5 cm wide dull grey cherty layers intercalated with the graphitic argillite. Foliation averages 70 degrees to the core axis but is locally contorted.

137.85 138.85 : silicified cherty argillite intercalated with 50%, 1 to 10 cm wide graphitic argillite beds. There is 2 to 3% pyrrhotite, 1 to 2% pyrite. Foliation is 70 degrees to the core axis.

141.40 142.65 Graphitic ARGILLITE. Hard, dark grey black, very weakly to moderately magnetic, graphitic argillite. Foliation subparallels the bedding at 65 to 70 degrees to the core axis. There are 1 to 3%, 1 mm to 1 cm wide carbonate - quartz veins disseminated along foliation. There is 1 to 3% fine recrystallized pyrite disseminated along foliation and associated with veining, and trace pyrrhotite. Contacts are sharp at 50 and 60 degrees to the core axis.

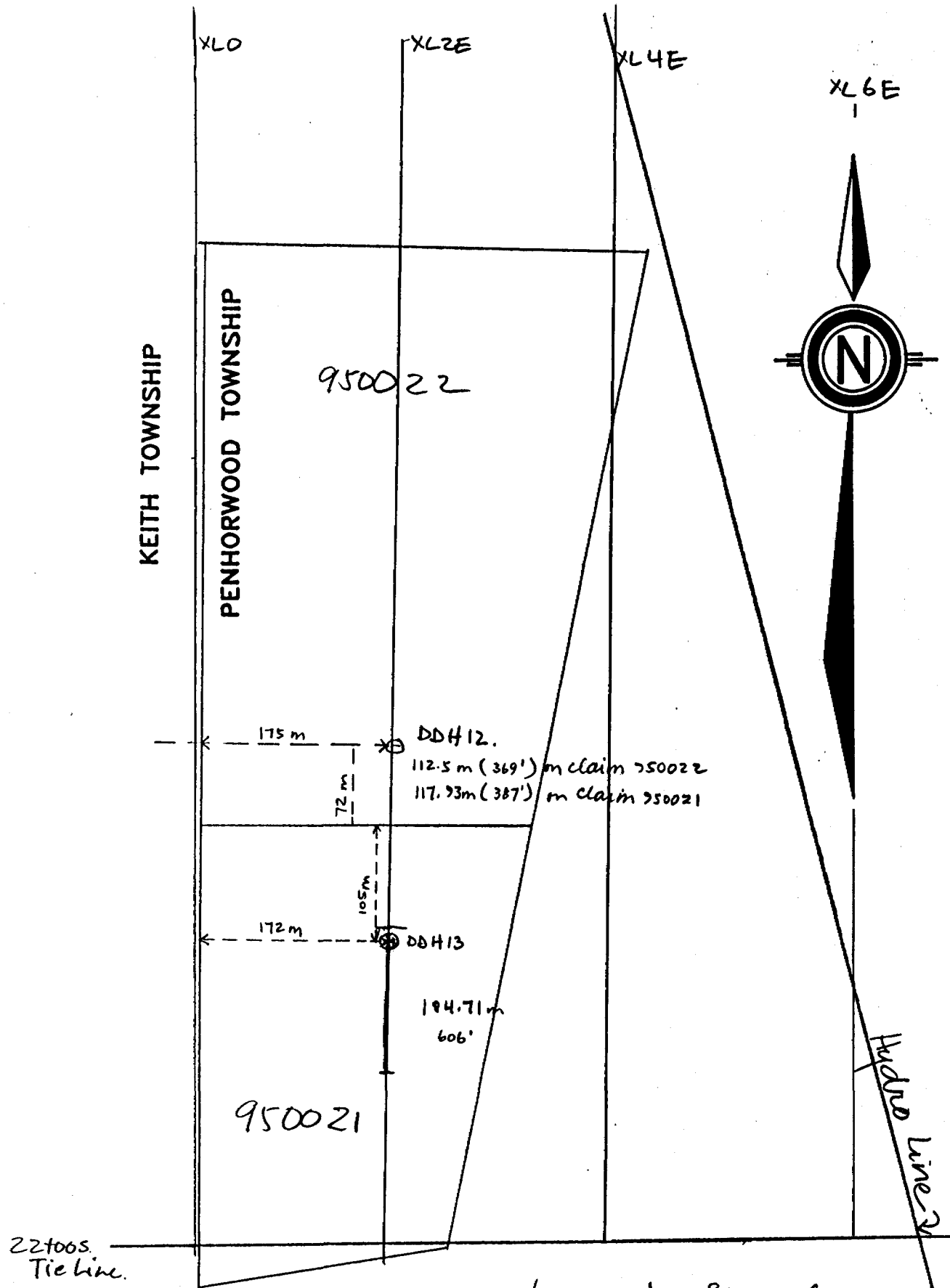
142.65 145.95 FELSIC INTRUSIVE

97541 142.65 143.65 1.00 TR .020 .02
 97542 143.65 144.65 1.00 TR .020 .02

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		Hard, fine grained, medium grey to grey brown, nonmagnetic feldspar porphyry. Weakly silicified. There are trace carbonate filled fractures. There is trace of very fine pyrite disseminated. Lower contact is sheared and is marked by a 10 cm carbonate - quartz vein zone intercalated with minor graphitic beds at 45 degrees to the core axis.	97543	144.65	145.95	1.30	TR	.039	.03
145.95	185.35	ULTRAMAFIC	97544	145.95	146.95	1.00	1	.020	.02
			97545	146.95	148.00	1.05	1	.021	.02
145.95	148.00	Silicified zone. Medium grey to grey brown, hard, fine grained, nonmagnetic, weakly foliated at 55 degrees to the core axis silicified zone. There is a weak talc alteration along foliation and a moderate pervasive calcitic alteration. Unveined. There is 1% fine pyrite disseminated. Lower contact is sheared at 60 degrees to the core axis.	97546	148.00	149.00	1.00	TR	.020	.02
			97547	149.00	150.00	1.00	TR	.030	.03
			97548	150.00	151.00	1.00	TR	.050	.05
			97549	151.00	152.00	1.00	TR-1	.050	.05
			97550	152.00	153.50	1.50	TR-1	.090	.06
			97551	153.50	154.50	1.00	TR	.060	.06
			97552	154.50	155.50	1.00	TR	.050	.05
			97553	155.50	156.50	1.00	TR	.070	.07
			97554	156.50	157.50	1.00	TR	.040	.04
148.00	153.50	ULTRAMAFIC. Moderately soft, dark grey blue to greenish grey, fine grained, weakly magnetic, strongly foliated chloritic - talc - carbonate schist. Strongly chloritic, weakly talcose, moderately ankeritic. There are 8 to 10%, 2 to 10 mm wide, grey white, ankerite quartz veins elongated along the foliation at 50 degrees to the core axis. There are a few odd centimetric barren quartz veins at random angles. There is trace pyrite as fine euhedral grains disseminated. From 151.0 to 153.50 ULTRAMAFIC is intercalated by minor decimetric silicified chlorite - carbonate - schist sections with 1% disseminated pyrite.	97555	157.50	158.50	1.00	TR	.030	.03
			97556	158.50	159.50	1.00	TR	.070	.07
			97557	159.50	160.10	.60	TR	.030	.05
			97558	160.10	160.85	.75	TR	.068	.09
			97559	160.85	161.65	.80	TR	.040	.05
			97560	161.65	162.65	1.00	TR	.050	.05
			97561	162.65	163.65	1.00	TR	.040	.04
			97562	163.65	163.71	.06	TR	.004	.06
			65493	163.71	164.65	.94	TR	.047	.05
			97563	164.65	165.40	.75	TR	.060	.08
			97564	165.40	166.40	1.00	NIL-TR	.080	.08
			97565	166.40	167.40	1.00	NIL-TR	.100	.10
			97566	167.40	168.40	1.00	NIL-TR	.150	.15
			97567	168.40	169.40	1.00	TR-1	.100	.10
			97568	169.40	170.04	.64	NIL-TR	.051	.08
			97569	170.04	170.90	.86	NIL-TR	.060	.07
			97570	170.90	171.90	1.00	NIL-TR	.190	.19
153.50	165.40	Sheared ULTRAMAFIC. Moderately soft, dark grey blue to greenish grey, fine grained, locally weakly magnetic, sheared talc - chlorite - carbonate schist. Strongly chloritic and talcose, moderately ankeritic. There are 10 to 3%, 1 to 4 mm wide, grey white ankerite quartz veins forming truncated lamellae pinched along the contorted foliation averaging 60 degrees to the core axis. There are 1 to 2%, white grey to white, 5 mm to 1.5 cm wide quartz - ankerite veins pinched along	97571	171.90	172.90	1.00	NIL-TR	.050	.05
			97572	172.90	173.90	1.00	NIL-TR	.050	.05
			97573	175.48	176.48	1.00	NIL-TR	.150	.15
			97574	176.48	177.48	1.00	NIL-TR	.050	.05
			97575	177.48	178.48	1.00	NIL-TR	.140	.14
			97576	183.35	184.35	1.00	NIL-TR	.140	.14
			97577	184.35	185.35	1.00	NIL-TR	.130	.13

From	To	Description	Sample From	To	Length	% Sul	GM	Au g/t
		foliation. Veining decreases downhole. There is trace pyrite as fine blebs disseminated. Lower contact is gradational.						
160.10	161.65	Felsic intrusive. Hard, light grey white to grey, fine grained, nonmagnetic feldspar porphyry. Nonmagnetic. Moderately silicified, very weakly calcitic along fractures. There is trace very fine pyrite disseminated. There are a few odd centimetric angular fragments noted. Contacts are irregular at 80 to 85 degrees to the core axis.						
165.40	185.35	ULTRAMAFIC. Moderately soft, dark grey blue to greenish grey, fine grained, nonmagnetic talc - chlorite - carbonate schist. Strongly chloritic and talcose, moderately to strongly carbonatized mostly as ankeritic alteration except from 183.65 to 185.35 where ULTRAMAFIC is strongly calcitic. These are 2 to 5% carbonate - quartz veins pinched along the foliation averaging 50 degrees to the core axis. There are 1% white grey, barren, 0.5 to 2 cm wide quartz - carbonate veins at random angles. There is nil to trace pyrite as fine blebs disseminated. Lower contact is weakly sheared at 55 degrees to the core axis.						
168.50	168.72	: quartz - carbonate vein, white grey to grey brown coloured, weakly brecciated. There is 1% pyrite as fine blebs disseminated. Contacts are 50 and 80 degrees to the core axis.						
168.72	169.20	: moderately silicified, talc - chlorite - carbonate schist.						
170.90	171.28	LAMPROPHYRE. Mottled dark grey brown, medium to coarse grained, lamprophyre dyke. Very weakly magnetic, strongly calcitic, moderately biotitic. Poorly veined. Barren of mineralization. Contacts are 40 and 45 degrees to the core axis and are marked by 5 mm calcite veins.						
175.70	176.00	LAMPROPHYRE. Same as 170.90 to 171.28 except moderately magnetic. Contacts are 30 and 45 degrees to the core axis.						
176.40	176.46	: LAMPROPHYRE, same as above, very weakly magnetic, contacts are irregular at 80 to 85 degrees to the core axis.						
176.48	176.65	FAULT ZONE. Strongly sheared talc - chlorite - carbonate schist intercalated 5 cm of gouge. Contacts are 65 and 60 degrees to the core axis.						

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
185.35	230.45	ULTRAMAFIC							
			97578	185.35	186.35	1.00	NIL-TR	.050	.05
			97579	186.35	187.35	1.00	NIL-TR	.040	.04
		Moderately soft, dark grey to medium grey-green, fine to medium grained, nonmagnetic, granular textured ultramafic flows.	97580	189.70	190.70	1.00	TR-NIL	.040	.04
			97581	190.70	191.70	1.00	TR	.050	.05
		Strongly chloritic, weakly talcose, moderately carbonatized as patchy calcitic and ankeritic alteration.	97582	199.30	200.30	1.00	TR	.060	.06
		There are 1 to 3%, 1 to 5 mm wide ankerite - carbonate veins pinched along a very weakly developed foliation at 60 to 70 degrees to the core axis. There are a few odd millimetric to centimetric quartz - carbonate veins disseminated at random angles.	97583	200.30	201.30	1.00	TR	.160	.16
		There is nil to trace very fine pyrite disseminated.	97584	209.00	210.00	1.00	NIL-TR	.120	.12
186.94	187.01	LAMPROPHYRE dyke, contacts are 50 and 55 degrees to the core axis.	97585	211.00	212.00	1.00	NIL-TR	.120	.12
			97586	218.00	219.00	1.00	NIL-TR	.040	.04
			97587	223.20	224.20	1.00	NIL-TR	.060	.06
			97588	224.20	225.20	1.00	TR-1	.140	.14
			97589	225.20	226.40	1.20	TR-1	.228	.19
			97590	226.40	227.40	1.00	NIL-TR	.110	.11
			97591	227.40	228.40	1.00	NIL-TR	.140	.14
			97592	228.40	229.40	1.00	NIL-TR	.140	.14
190.70	200.30	BASALT. Moderately hard, dark greenish-grey, fine grained, nonmagnetic, massive mafic volcanic. Strongly chloritic, very weakly ankeritic. There are trace carbonate - quartz filled fractures. There is trace pyrite as fine euhedral grains disseminated. Contacts are diffuse.	97593	229.40	230.43	1.03	NIL-TR	.051	.05
202.40	203.00	: foliation is subparallel to core axis.							
224.20	226.40	Silicified brecciated zone. Hard to moderately soft, dull beige - grey to dark grey black, brecciated quartz - carbonate vein and / or felsic intrusive intercalated minor ULTRAMAFIC. Contacts of the zone are irregular and weakly sheared at 50 degrees to the core axis. There is trace to 1% pyrite disseminated along fractures. There are 40 to 70% angular to subangular silicified fragments disseminated.							
229.35	230.43	: ULTRAMAFIC coarse grained, light grey beige coloured, moderately to strongly talcose. There are 10%, 1 to 2 mm chlorite clasts disseminated.							
230.43		END OF HOLE.							

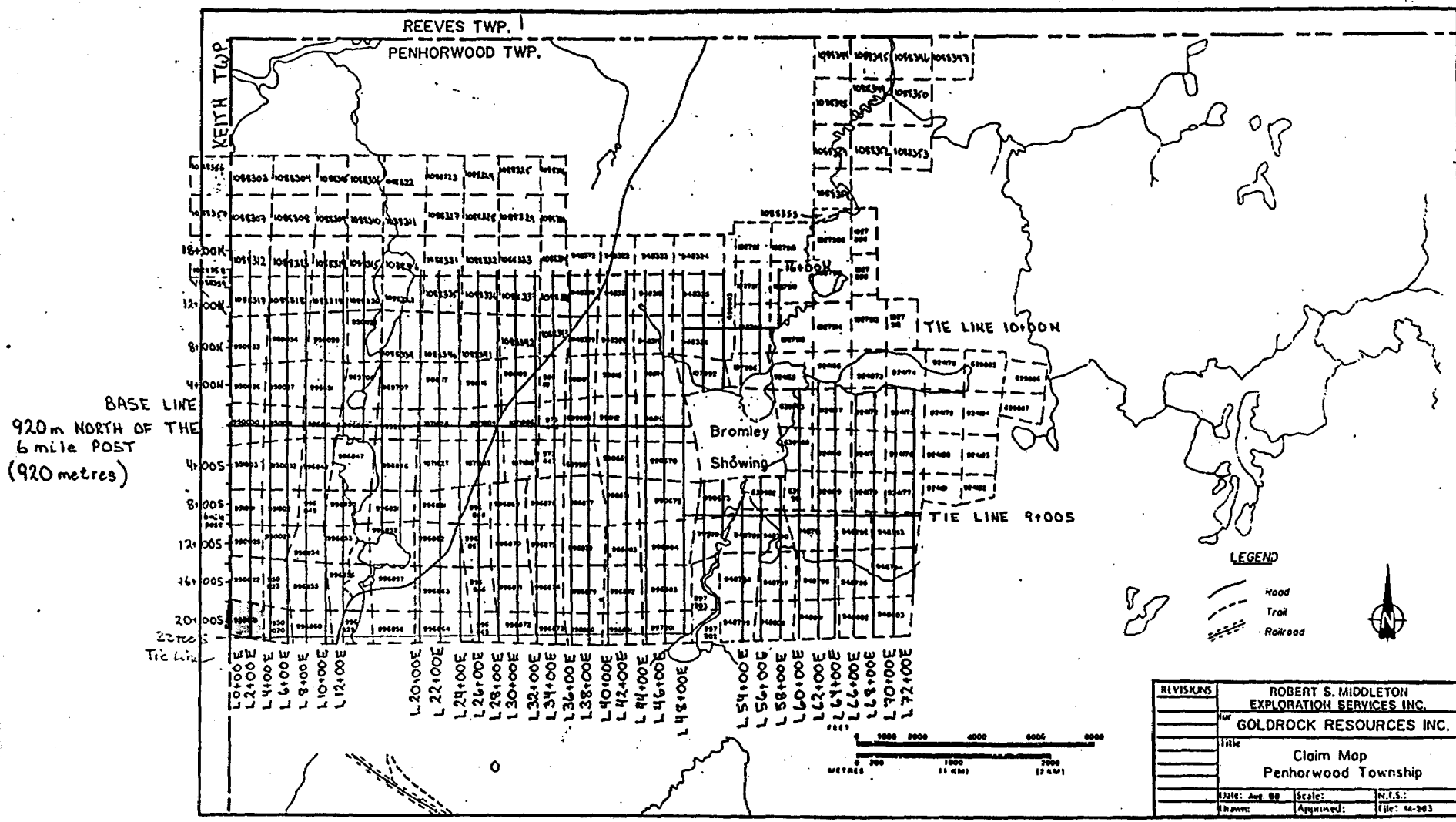


DDH 12.
 112.5 m (369') m claim 950022
 117.93m (387') m claim 950021

DDH 13
 194.71 m
 606'

Location Sketch
 Drillholes 12, 13
 Penhorwood Township.
 Scale 1:5000.

Claims on which drilling was performed
 Claims on which work is being applied



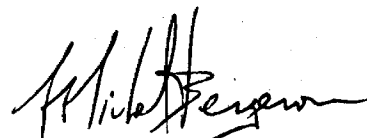
AMERICAN BARRICK RESOURCES CORPORATION

ds:	.0	.0	DIAMOND DRILL RECORD	HOLE NO.:	SR.89-13
Azimuth:	180.0		Section: L2+00E	Property:	SEWELL REEVES
Dip:	-50.0		Core Size: BQ	Location:	L2+00E 19+25S
Elevation:	.0			Date Started:	October 25, 1989
Length:	184.7			Date Completed:	October 31, 1989
Measurement:	Metric			Logged by:	M. Bergeron
Comments:	Casing Pulled				

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-50.0	91.44		-48.0	137.16		-46.0

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

.00 2.65 CASING.
 2.65 17.50 HIGH MAG BASALT.
 17.50 34.30 BASALT.
 34.30 73.10 HIGH MAG BASALT.
 68.0 - 68.79 FAULT ZONE.
 72.35 - 72.70 LAMPROPHYRE.
 72.70 - 72.95 brecciated.
 72.95 - 73.10 FAULT ZONE.
 73.10 87.17 BASALT.
 87.17 170.45 HIGH MAG BASALT.
 122.75 - 125.5 CONGLOMERATE.
 125.50 - 126.60 LAMPROPHYRE.
 127.20 - 127.50 brecciated.
 127.50 - 128.10 LAMPROPHYRE.
 135.10 - 137.95 LAMPROPHYRE.
 137.95 - 138.61 brecciated.
 142.95 - 144.45 LAMPROPHYRE.
 170.45 184.71 BASALT.
 170.45 - 174.10 mafic intrusive.
 171.95 - 172.0 FAULT ZONE.
 173.85 - 174.10 FAULT ZONE.
 180.25 - 180.75 mafic intrusive.
 184.71 END OF HOLE.



AMERICAN BARRICK
 RESOURCES CORPORATION

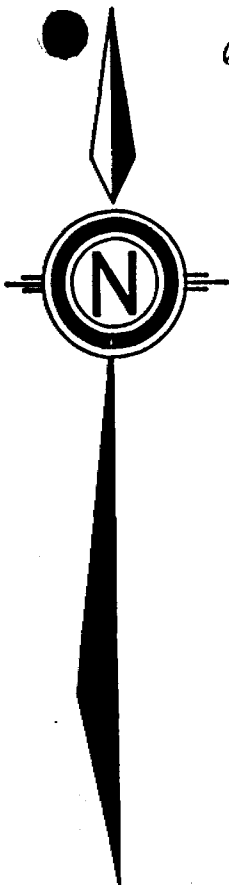
From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	2.65	CASING							
2.65	17.50	HIGH MAG BASALT							
			97372	10.00	11.00	1.00	NIL	.070	.07
			97373	16.50	17.50	1.00	NIL	.040	.04
		Moderately hard, fine grained, medium grey to grey-green, moderately to strongly magnetic massive mafic volcanic. Moderately chloritic, weakly calcitic as patchy alteration. There are trace, 1 to 2 mm carbonate - quartz filled fractures. Barren of mineralization. Lower contact is veined at 40 degrees to the core axis.							
17.50	34.30	BASALT							
			97374	17.50	18.50	1.00	NIL	.090	.09
			97375	31.00	32.00	1.00	NIL	.040	.04
			97376	33.30	34.30	1.00	NIL	.140	.14
		Moderately hard, fine grained, light to medium greenish-grey, nonmagnetic massive mafic volcanic. Moderately to strongly chloritic, weakly ankeritic pervasively. There are trace, 1 to 2 mm carbonate - quartz filled fractures. Barren of mineralization. Lower contact is sharp at 45 degrees to the core axis.							
34.30	73.10	HIGH MAG BASALT							
			97377	34.30	35.30	1.00	NIL-TR	.340	.34
			97378	38.00	39.00	1.00	NIL-TR	.040	.04
			97379	39.00	40.50	1.50	NIL-TR	.060	.04
			97380	42.00	43.00	1.00	NIL-TR	.090	.09
			97381	53.00	54.00	1.00	NIL-TR	.090	.09
			97382	68.00	69.00	1.00	NIL-TR	.030	.03
		Moderately hard, dark to medium grey, fine grained, moderately to strongly magnetic, massive mafic volcanic. Moderately chloritic, weakly ankeritic. There are trace, 1 to 5 mm carbonate - quartz filled fractures.							

From	To	Description	Sample	From	To	Length	% Sul	SW	Au g/t
		There is nil to trace pyrite as fine grained disseminations or coating fractures. There is locally a very weak foliation at 45 to 50 degrees to the core axis. Lower contact is faulted.	97383	69.00	70.00	1.00	NIL-TR	.040	.04
			97384	71.35	72.35	1.00	NIL-TR	.050	.05
			97385	72.35	73.10	.75	NIL-TR	.045	.06
38.00	38.40	: moderately fractured core at 50 to 60 degrees to the core axis. Moderate talc alteration along fracture planes.							
39.80	40.30	: strongly fractured and ground core intercalated minor calcitic gouge along fracture planes. There is a moderate talc alteration.							
42.10	42.60	: strongly fractured and ground core. There is a weak talc alteration.							
68.00	68.79	FAULT ZONE. Strongly fractured core intercalated ground sections. Weak talc alteration.							
69.36	69.38	: fracture plane filled with gouge and gravel at 40 degrees to the core axis.							
72.35	72.70	LAMPROPHYRE. Moderately hard, mottled dark grey brown, medium grained, moderately magnetic, massive lamprophyre dyke. Strongly calcitic, moderately biotitic. There are 1% carbonate filled fractures, barren of mineralization. Upper and lower contacts are sheared at 60 and 40 degrees to the core axis							
72.70	72.95	Brecciated. Dark grey, very fine grained, nonmagnetic, brecciated in-situ mafic volcanic.							
72.95	73.10	FAULT ZONE. Mud and gouge intercalated minor gravel.							
73.10	87.17	BASALT							
			97386	73.10	74.10	1.00	NIL	.040	.04
			97387	78.00	79.00	1.00	NIL	.030	.03
			97388	86.17	87.17	1.00	NIL	.110	.11
		Moderately hard, fine grained, light to medium grey, nonmagnetic massive mafic volcanic. Moderately chloritic weakly ankeritic pervasively, unveined, barren of mineralization.							
		Numerous decimetric strongly fractured and ground sections intercalated with minor calcitic gouge noted at 73.80 - 74.30, 75.70 - 75.90, 77.07 - 77.35 and 77.6 - 78.0. From 78.0 to 83.25 mafic volcanics are weakly to moderately fractured.							
		Lower contact is weakly fractured at 45 degrees to the core axis, lower contact is sharp and marked by a 1 mm carbonate filled fracture at 35 degrees to the core axis.							

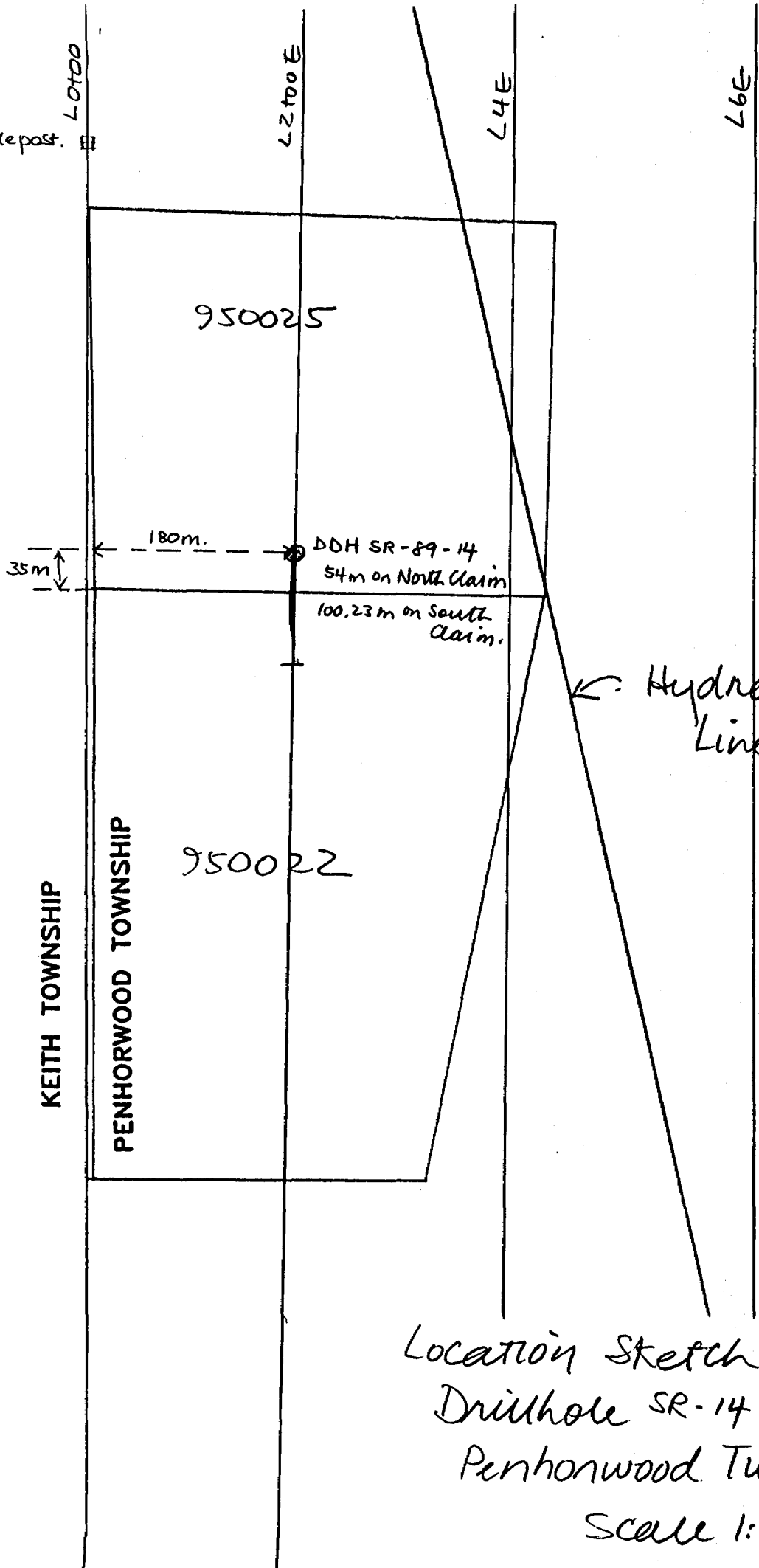
From	To	Description	Sample	From	To	Length	Z Sul	GW	Au g/t
87.17	170.45	HIGH MAG BASALT	97389	87.17	88.17	1.00	NIL-TR	.050	.05
			97390	96.00	97.00	1.00	NIL-TR	.090	.09
		Moderately hard, dark to medium grey, fine grained, massive, moderately magnetic mafic volcanic.	97391	108.00	109.00	1.00	NIL-TR	.070	.07
			97392	117.75	118.40	.65	NIL-TR	.026	.04
		Moderately chloritic weakly ankeritic. There are trace, 1 to 2 mm carbonate - quartz filled fractures. There is nil to trace very fine pyrite disseminated.	97393	118.40	119.40	1.00	NIL-TR	.040	.04
			97394	119.40	120.40	1.00	NIL-TR	.060	.06
		Lower contact is sharp at 40 degrees to the core axis. Magnetism decreases from moderate to weak from 166.0 to 170.45.	97395	120.40	121.65	1.25	NIL-TR	.162	.13
			97396	121.65	122.75	1.10	NIL-TR	.231	.21
			97397	122.75	123.75	1.00	TR	.150	.15
			97398	123.75	124.75	1.00	TR	.130	.13
		117.75 118.40 : weakly foliated at 50 degrees to the core axis, strongly calcitic.	97399	124.75	125.50	.75	TR	.082	.11
			97400	125.50	126.60	1.10	NIL	.154	.14
		120.90 121.65 : light grey, weakly bleached nonmagnetic mafic volcanic.	97401	126.60	127.50	.90	NIL-TR	.081	.09
			97402	127.50	128.10	.60	NIL	.072	.12
		121.65 122.75 : light grey to medium grey, weakly bleached medium grained, calcitic, nonmagnetic mafic volcanic intercalated with a few odd millimetric to centimetric, dark brown biotitic mafic dykes. Lower contact is sharp at 45 degrees to the core axis.	97403	128.10	129.10	1.00	NIL-TR	.100	.10
			97404	132.10	133.30	1.20	NIL	.084	.07
			97405	133.30	134.10	.80	NIL	.032	.04
			97406	134.10	135.10	1.00	NIL	.050	.05
			97407	135.10	136.10	1.00	NIL	.140	.14
			97408	136.10	137.10	1.00	NIL	.100	.10
			97409	137.10	137.95	.85	NIL	.042	.05
		122.75 125.50 CONGLOMERATE. Moderately hard to hard, mottled dark grey brown to beige, weakly to moderately magnetic, polymictic conglomerate. There are 2 to 10%, 0.5 cm to 7 cm wide, subrounded fragments. Most of the fragments are ultramafic with trace olivine, there are a few mafic, and finally there are trace feldspathic fragments at lower contact. Matrix is very fine to fine grained, strongly biotitic, moderately calcitic. CONGLOMERATE is poorly veined and there is trace pyrite as very fine grains disseminated. Lower contact is irregular at a high angle with core axis.	97410	137.95	138.95	1.00	NIL-TR	.110	.11
			97411	141.95	142.95	1.00	NIL-TR	.110	.11
			97412	142.95	143.95	1.00	NIL-TR	.070	.07
			97413	143.95	144.45	.50	NIL-TR	.025	.05
			97414	144.45	145.45	1.00	NIL-TR	.040	.04
			97415	154.00	155.00	1.00	NIL-TR	.040	.04
			97416	166.00	167.00	1.00	NIL-TR	.120	.12
			97417	169.45	170.45	1.00	NIL-TR	.040	.04
		125.50 126.60 LAMPORPHYRE. Same as 72.35 to 72.70. Lower contact is subparallel to core axis from 126.10 to 126.60.							
		126.60 127.20 : mafic volcanic, magnetic, weakly calcitic along fractures. Lower contact is 60 degrees to the core axis.							
		127.20 127.50 Brecciated. Mafic volcanic, magnetic, weakly brecciated in situ. Lower contact is 40 degrees to the core axis.							
		127.50 128.10 LAMPORPHYRE. Same as 72.35 to 72.70. Lower contact is subparallel to core axis from 127.90 to 128.10.							
		132.89 133.30 : brecciated calcite veins with intercalated subangular LAMPORPHYRE and							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		mafic fragments. Contacts are 70 / 10 degrees to the core axis.							
133.75	134.38	: there are 1 to 3%, 0.5 to 2 cm wide, brecciated carbonate veins with intercalated angular mafic fragments.							
135.10	137.95	LAMPROPHYRE. Same as 72.35 to 72.70. Upper contact is 5 degrees to the core axis, lower contact is 65 degrees to the core axis marked by a 26 cm wide brecciated carbonate - quartz vein intercalated with 5% angular LAMPROPHYRE fragments and with minor mafic fragments.							
137.95	138.61	Brecciated. Weakly brecciated in situ mafic volcanic magnetic.							
142.95	144.45	LAMPROPHYRE. Same as 72.35 to 72.70. Contacts are 45 and 40 degrees to the core axis.							
166.10	167.20	: dark green, moderately foliated at 45 degrees to the core axis, strongly chloritic HIGH MAG BASALT.							
170.45	184.71	BASALT	97418	170.45	171.45	1.00	TR	.040	.04
			97419	171.45	172.45	1.00	TR	.030	.03
		Moderately soft, very fine grained, medium greenish-grey, nonmagnetic massive mafic volcanic.	97420	172.45	173.45	1.00	TR	.030	.03
		Strongly chloritic, moderately to strongly calcitic.	97421	173.45	174.10	.65	TR	.020	.03
		There are trace to 2% carbonate filled fractures. There is nil to trace pyrite as fine euhedral grains disseminated.	97422	174.10	175.10	1.00	NIL-TR	.010	.01
			97423	175.10	176.10	1.00	NIL-TR	.010	.01
			97424	176.10	177.10	1.00	NIL-TR	.020	.02
			97425	177.10	178.10	1.00	NIL-TR	.040	.04
		170.45 174.10 Mafic intrusive. Moderately hard, medium grained, dark to medium grey-green to grey brown, nonmagnetic mafic intrusive.	97426	178.10	179.10	1.00	NIL-TR	.070	.07
		Strongly chloritic and calcitic, locally weakly biotitic. Poorly veined. There is trace disseminated pyrite. Lower contact is faulted at 30 degrees to the core axis.	97427	179.10	180.10	1.00	NIL-TR	.060	.06
			97428	180.10	181.10	1.00	NIL-TR	.030	.03
			97429	181.10	182.10	1.00	NIL-TR	.040	.04
			97430	182.10	183.10	1.00	TR-1	.050	.05
			97431	183.10	184.10	1.00	TR-1	.030	.03
			97432	184.10	184.71	.61	TR-1	.012	.02
171.95	172.00	FAULT ZONE. Mud gouge at 45 degrees to the core axis.							
173.00	174.10	: mafic intrusive is intercalated by a few odd decimetric talc - chlorite - carbonate schist sections.							
173.85	174.10	FAULT ZONE. Lower contact is marked by a strongly sheared talc - chlorite - carbonate schist. Minor gouge.							
175.05	176.00	: weakly fractured mafic volcanic. Intercalated minor talcose alteration along fractures.							
180.25	180.75	Mafic intrusive. Same as 170.45 to 174.10.							

From	To	Description	Sample From	To	Length	% Sul	GW	Au g/t
		Contacts are 40 and 30 degrees to the core axis.						
182.00	184.71	: there are trace to 1%, 1 to 3 mm wide, carbonate - quartz veins, white grey coloured. These veins contain 1% pyrite, trace chalcopryite. Locally mafic volcanic is weakly folded and biotitic. Foliation is 45 to 50 degrees to the core axis.						
184.71		END OF HOLE.						

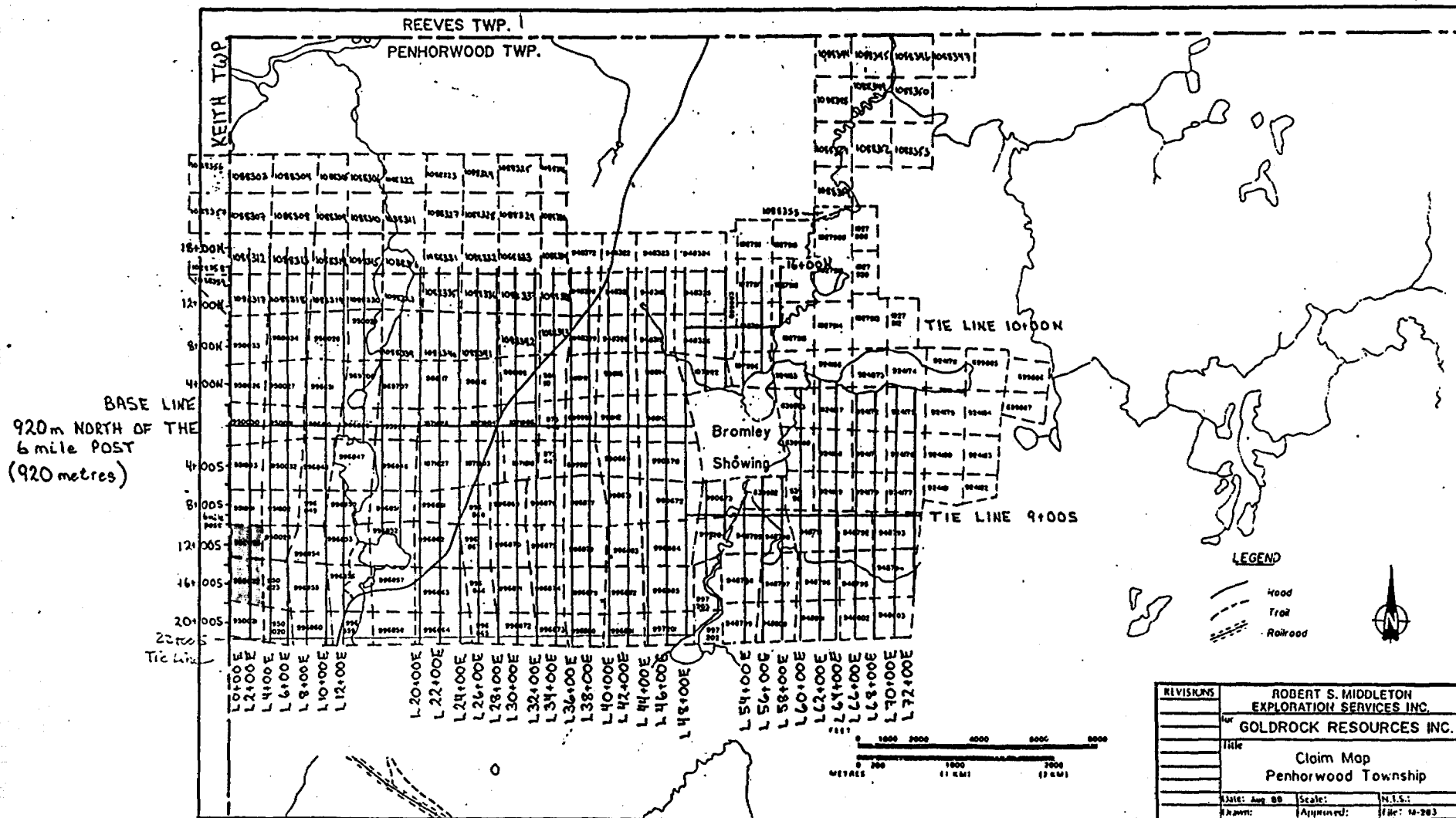


6 mile post. \square L0100



Location Sketch
Drillhole SR-14
Penhorwood Twp.
Scale 1:5000

Claims on which drilling was performed
 Claims on which work is being applied



AMERICAN BARRICK RESOURCES CORPORATION

Holes: .0 .0
 Azimuth: 180.0
 Dip: -50.0
 Elevation: .0
 Length: 154.2
 Measurement: Metric
 Comments: Casing left in hole

DIAMOND DRILL RECORD
 Section: L2+00E
 Core Size: BQ

HOLE NO.: SR.89-14
 Property: SEWELL REEVES
 Location: L2+00E 12+75S
 Date Started: November 3, 1989
 Date Completed: November 4, 1989
 Logged by: M. Bergeron

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-51.0	91.44		-51.0	154.23		-52.0

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

.00 27.13 CASING.
 27.13 134.45 TUFF.
 134.45 138.25 FOLIATED BASALT.
 138.25 154.23 BASALT.
 154.23 END OF HOLE.


 AMERICAN BARRICK
 RESOURCES CORPORATION

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

.00 27.13 CASING

Casing driven to 28.4 m.

27.13 134.45 TUFF

Moderately hard, light grey beige to beige tan, fine grained, poorly bedded to locally thinly laminated not magnetic mafic to intermediate tuff.

The tuff is weakly to moderately sericitic, moderately ankeritic, weakly chloritic.

There are trace carbonate - quartz filled fractures. There is trace pyrite as fine euhedral grains or blebs disseminated.

Foliation subparallels the bedding at 40 to 5 degrees to the core axis, averaging low angle with core axis.

There are trace to 2%, lapilli-size fragments, subrounded, 2 mm to 2 cm wide. Fragments and matrix have same composition but fragments are strongly sericitic.

Some sections contain up to 20% lapilli-size fragments, matrix supported. In those sections, fragments vary from 1 to 6 cm.

Lower contact is veined and contorted at 30 degrees to the core axis.

27.13 47.90 : foliation varies from 40 to 10 degrees to the core axis, some sections are micro-folded from 36.8 to 47.9.

47.90 56.50 : foliation averages low angle with core axis

56.50 62.70 : there are 5 to 20% lapilli-size fragments. Foliation averages 5 to 10 degrees to the core axis.

62.70 101.20 : foliation averages low angle with core axis. From 88 to 88.7 there is a 1 cm quartz - ankerite sericitized vein pinched

97594	35.80	36.80	1.00	TR	.060	.06
97595	38.00	39.00	1.00	TR	.030	.03
97596	39.00	40.00	1.00	TR	.060	.06
97597	40.00	41.00	1.00	TR	.060	.06
97598	41.00	42.00	1.00	TR	.080	.08
97599	56.00	57.00	1.00	TR	.060	.06
97600	57.00	58.00	1.00	TR	.060	.06
97601	58.00	59.00	1.00	TR	.050	.05
97602	59.00	60.00	1.00	TR	.050	.05
97603	60.00	61.00	1.00	TR	.050	.05
97604	61.00	62.00	1.00	TR	.070	.07
97605	62.00	63.00	1.00	TR	.060	.06
97606	88.00	89.00	1.00	TR	.110	.11
97607	94.00	95.00	1.00	TR	.100	.10
97608	101.00	102.00	1.00	TR	.130	.13
97609	111.00	112.00	1.00	TR	.100	.10
97610	117.00	118.00	1.00	TR	.120	.12
97611	125.00	126.00	1.00	TR	.090	.09
97612	131.45	132.45	1.00	TR	.090	.09
97613	132.45	133.45	1.00	TR	.050	.05
97614	133.45	134.45	1.00	TR	.110	.11

From	To	Description	Sample	From	To	Length	Z Sul	GW	Au g/t
		along foliation, barren of mineralization.							
		From 94 to 94.35 quartz - ankerite sericitized veins, weakly brecciated, barren of mineralization.							
101.20	101.80	: there are 10%, lapilli-size fragments. Foliation averages 30 degrees to the core axis.							
101.80	134.45	: foliation averages 30 degrees to the core axis. There are 1 to 10%, lapilli-size fragments, 2 mm to 1 cm wide.							
134.45 138.25 FOLIATED BASALT									
			97615	134.45	135.45	1.00	TR	.160	.16
			97616	135.45	136.45	1.00	TR	.120	.12
		Moderately hard, very fine grained, light to medium green, strongly foliated mafic volcanic. Not magnetic.	97617	136.45	137.45	1.00	TR	.070	.07
		Moderately chloritic and ankeritic, weakly sericitic. There are 2 to 5%, 0.5 to 2 cm wide quartz ankerite sericitic veins weakly brecciated, subparallel to the contorted foliation. Foliation varies from 30 to 5 degrees to the core axis.	97618	137.45	138.25	.80	TR	.040	.05
		There is trace pyrite as fine blebs disseminated. Lower contact is gradational.							
138.25 154.23 BASALT									
			97619	138.25	139.25	1.00	TR	.070	.07
			97620	139.25	140.25	1.00	TR	.050	.05
		Moderately hard, very fine grained, light to medium green, massive to weakly foliated mafic volcanic not magnetic.	97621	140.25	141.25	1.00	TR	.030	.03
		Moderately chloritic, weakly calcitic and sericitic. There are trace, 0.2 to 1 cm wide quartz carbonate veins as fracture filling. There are trace pyrite as fine blebs disseminated.	97622	141.25	142.25	1.00	TR	.080	.08
			97623	142.25	143.25	1.00	TR	.080	.08
			97624	143.25	144.25	1.00	TR	.040	.04
			97625	144.25	145.25	1.00	TR	.010	.01
			97626	145.25	146.25	1.00	TR	.010	.01
			97627	146.25	147.25	1.00	TR	.020	.02
		138.25 147.85 : mafic volcanics are weakly foliated at 30 to 10 degrees to the core axis. There are few odd decimetric pale buff yellow sericitic sections. There are trace to 1%, 0.5 to 1 cm, brecciated quartz veins noted.	97628	147.25	148.25	1.00	TR	.050	.05
			97629	148.25	149.25	1.00	TR	.030	.03
			97630	149.25	150.00	.75	TR	.030	.04
			97631	150.00	150.85	.85	TR	.034	.04
			97632	150.85	151.85	1.00	TR	.150	.15
		147.85 150.85 : massive BASALT.	97633	151.85	152.85	1.00	TR	.090	.09
		150.85 153.45 : altered BASALT, buff yellow colour, strongly sericitic, weakly ankeritic.	97634	152.85	153.45	.60	TR	.006	.01
			97635	153.45	154.23	.78	TR	.023	.03
		153.45 154.23 : massive BASALT.							
154.23		END OF HOLE.							

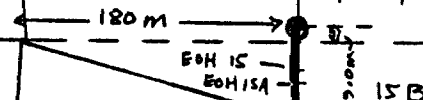
Hydro Line

KEITH TOWNSHIP

PENHORWOOD TOWNSHIP

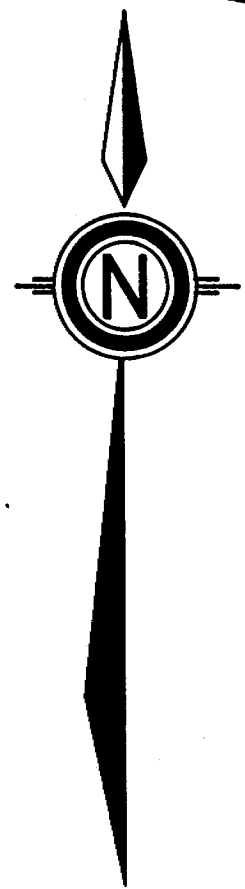
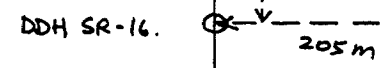
950027

DDHs 15, 15A, 15B.



15B - 94m on North claim.
- 60.23 m on South claim.

950031



00 Basel.

XLO.

2E

4E

6E

8E

Location Sketch

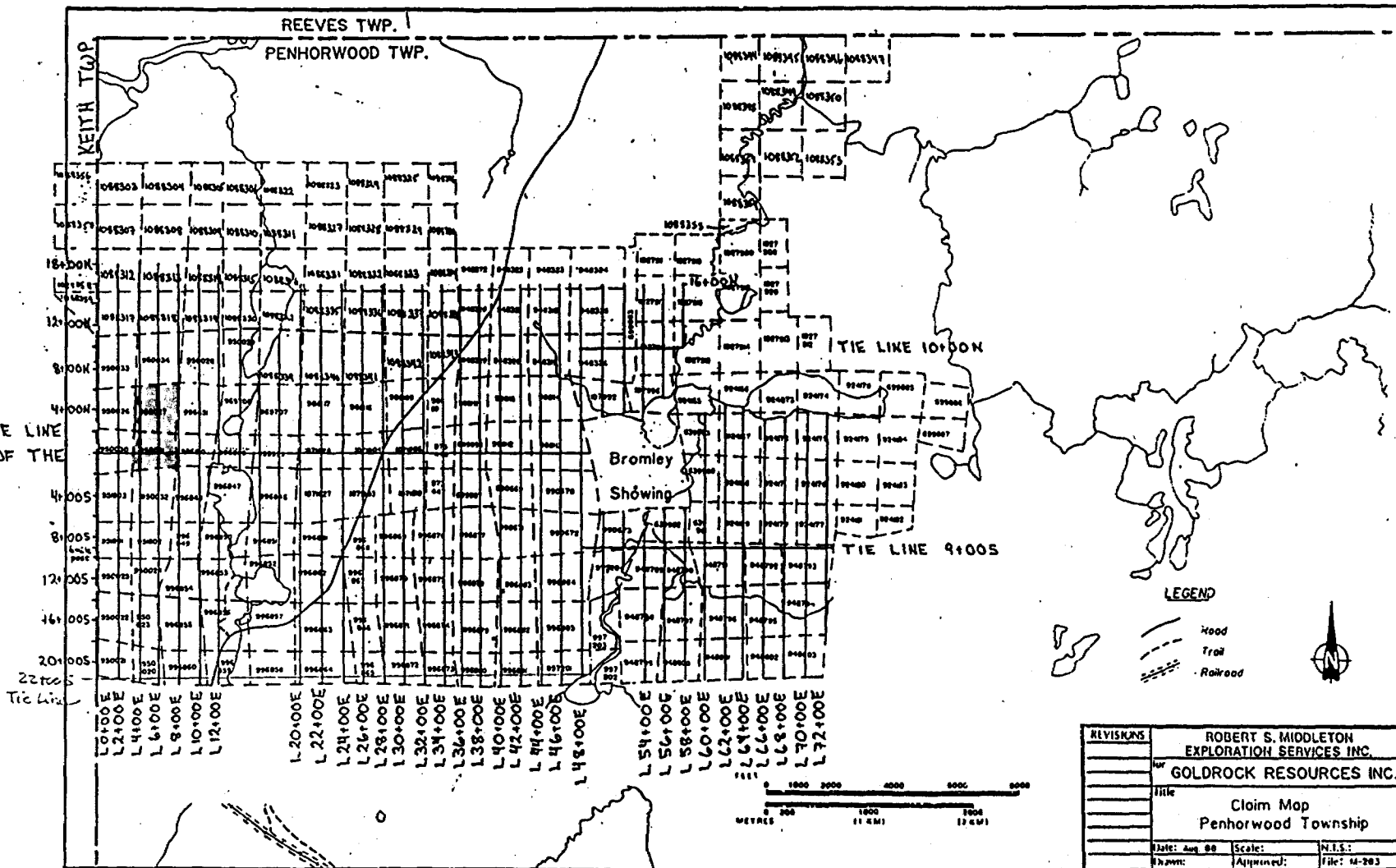
Drillholes 15, 15A, 15B, 16

Penhorwood Twp.

Scale - 1:5000

Claims on which drilling was performed
 Claims on which work is being applied

BASE LINE
 920m NORTH OF THE
 6 mile POST.
 (920 metres)



AMERICAN BARRICK RESOURCES CORPORATION

Cds: .0 .0
 Azimuth: 180.0
 Dip: -50.0
 Elevations: .0
 Length: 154.2

DIAMOND DRILL RECORD
 Section: L6+00E
 Core Size: BB

HOLE NO.: SR.89-15B
 Property: SEWELL REEVES
 Location: L6+00E 4+00N

Date Started: November 6, 1989
 Date Completed: November 15, 1989
 Logged by: N. Bergeron

Measurement: Metric

Comments: Casing Pulled

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-51.0	91.44		-52.0	154.23		-54.0


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

.00 69.49 OVERBURDEN.

69.49 154.23 ULTRAMAFIC.

86.0 - 92.10 BASALT.

154.23 END OF HOLE.


 AMERICAN BARRICK
 RESOURCES CORPORATION

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

.00 69.49 DVERBURDEN

69.49 154.23 ULTRAMAFIC

Moderately soft, fine grained, dark green to black, variably magnetic, ultramafic flow.

There is trace to 5%, 2 cm to 25 cm long ellipsoidal fracturing (polysuturing). Some decimetric spinifex - textured flows are noted.

Ultramafics are strongly chloritic, weakly to moderately talcose and weakly carbonatized.

There is 1%, 0.2 to 1 cm wide, white barren carbonate - quartz filled fractures.

There is trace to nil very fine pyrite blebs disseminated Magnetism is very weak from 69.49 to 97.20. From 97.20 to END OF HOLE magnetism is weak to moderate.

71.40 72.05 : spinifex textured flows. Blebs are 0.5 to 1 mm thick, 1 cm in length. There is a weak biotitic alteration.

77.55 77.85 : moderately fractured zone intercalated minor millimetric gouge and gravel planes at 45 to 55 degrees to the core axis.

79.00 79.30 : trace pyrite noted in carbonate - quartz filled fracture.

80.10 80.30 : same as 77.55 to 77.85.

83.50 83.90 : moderately fractured zone. Intercalated minor millimetric gouge and gravel planes at 75 to 85 degrees to the core axis.

85.77 85.90 : DIABASE. Fine grained, medium grey brown, very weakly magnetic. Trace very fine pyrite disseminated. Unveined. Contacts are sharp at 45 degrees to the core axis.

86.00 92.10 BASALT. Moderately hard, fine grained, dark grey-green, not magnetic massive mafic volcanic. Strongly chloritic, weakly to moderately calcitic. There are 2 to 5%, 2 mm

97636	69.49	70.49	1.00	TR	.020	.02
97637	70.49	71.40	.91	TR	.055	.06
97638	71.40	72.05	.65	TR	.052	.08
97639	72.05	73.05	1.00	TR	.030	.03
97640	77.00	78.00	1.00	TR	.020	.02
97641	78.96	79.96	1.00	TR	.250	.25
97642	79.96	80.96	1.00	TR	.100	.10
97643	83.00	84.00	1.00	TR	.120	.12
97644	85.00	86.00	1.00	TR	.130	.13
97645	86.00	87.00	1.00	NIL-TR	.110	.11
97646	87.00	88.00	1.00	NIL-TR	.100	.10
97647	88.00	89.00	1.00	NIL-TR	.100	.10
97648	89.00	90.00	1.00	NIL-TR	.110	.11
97649	90.00	91.00	1.00	NIL-TR	.160	.16
97650	91.00	92.10	1.10	NIL-TR	.132	.12
97651	92.10	93.10	1.00	NIL-TR	.120	.12
97652	96.00	97.00	1.00	TR	.160	.16
97653	98.00	99.00	1.00	NIL-TR	.110	.11
97654	104.00	105.00	1.00	NIL-TR	.120	.12
97655	109.00	110.00	1.00	NIL-TR	.120	.12
97656	115.00	116.00	1.00	NIL-TR	.160	.16
97657	118.00	119.00	1.00	NIL-TR	.120	.12
97658	120.00	121.00	1.00	NIL-TR	.190	.19
97659	126.00	127.00	1.00	NIL-TR	.260	.26
97660	132.00	133.00	1.00	NIL-TR	.130	.13
97661	138.00	139.00	1.00	NIL-TR	.120	.12
97662	140.00	141.00	1.00	NIL-TR	.120	.12
97663	143.00	144.00	1.00	NIL-TR	.190	.19
97664	151.00	152.00	1.00	NIL-TR	.290	.29
97665	152.00	153.00	1.00	NIL-TR	.190	.19

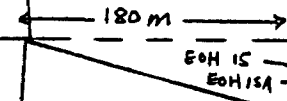
Hydro Line

KEITH TOWNSHIP

PENHORWOOD TOWNSHIP

950027

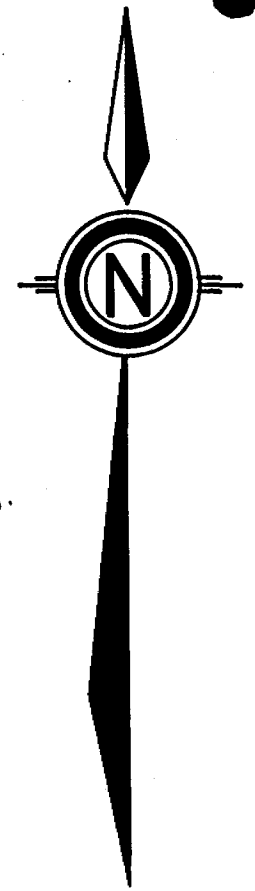
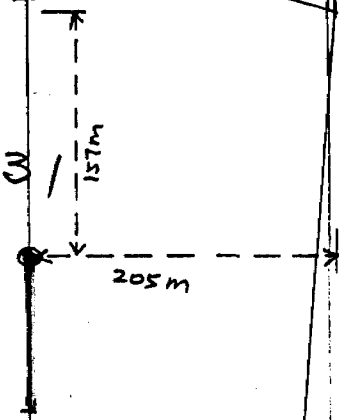
DDHs 15, 15A, 15B.



15B - 94m on North claim.
 - 60.23 m on South claim.

950031

DDH SR-16.



00 Base L.

XLO.

2E

4E

6E

8E

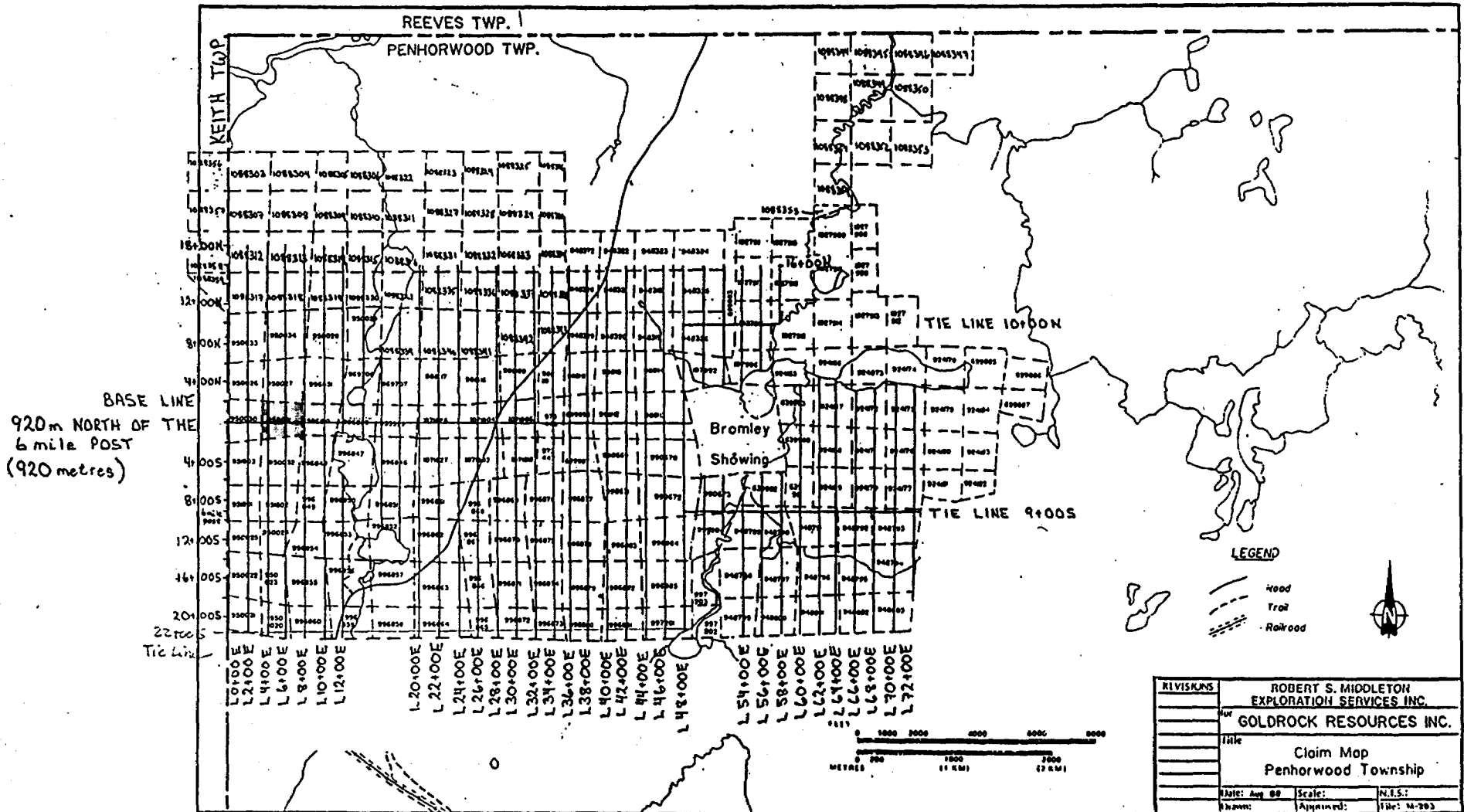
Location Sketch

Drillholes 15, 15A, 15B, 16

Penhorwood Twp.

Scale - 1:5000

Claims on which drilling was performed
 Claims on which work is being applied



AMERICAN BARRICK RESOURCES CORPORATION

Hole No: .0 .0
 Azimuth: 180.0
 Dip: -50.0
 Elevation: .0
 Length: 154.2

DIAMOND DRILL RECORD
 Section: L6+00E
 Core Size: 89

HOLE NO.: SR.89-16
 Property: SEWELL REEVES
 Location: L6+00E 1+25N

Date Started: November 15, 1989
 Date Completed: November 18, 1989
 Logged by: M. Bergeron

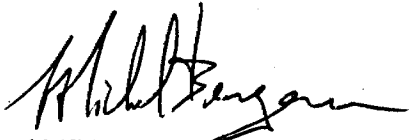
Measurement: Metric

Comments: All casing lost in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-50.0	91.44		-47.0	140.21		-45.0

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

.00 18.29 CASING / OVERBURDEN.
 18.29 54.10 BASALT.
 28.65 - 38.15 ULTRAMAFIC.
 54.10 154.23 UNDIFFERENTIATED IRON FORMATION.
 54.10 - 54.90 brecciated chert / silicified ARGILLITE.
 54.90 - 58.50 graphitic ARGILLITE, brecciated, mineralized.
 58.50 - 60.70 brecciated chert, mineralized.
 60.70 - 62.45 graphitic ARGILLITE brecciated, mineralized.
 62.45 - 65.7 brecciated chert / carbonate intercalated CONGLOMERATE.
 65.7 - 66.5 silicified GREYWACKE.
 66.5 - 152.8 chert / carbonate intercalated minor magnetite.
 152.8 - 154.23 graphitic ARGILLITE / chert.
 154.23 END OF HOLE.


 AMERICAN BARRICK
 RESOURCES CORPORATION

To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	18.29 CASING							
	OVERBURDEN.							
18.29	54.10 BASALT							
		97666	18.29	19.29	1.00	TR	.170	.17
		97667	19.29	20.29	1.00	TR	.120	.12
	Moderately hard, fine grained, medium grey to grey-green, nonmagnetic, massive mafic volcanic.	97668	20.29	21.05	.76	TR	.084	.11
	Strongly chloritic, weakly calcitic as patchy alteration, weakly bleached, locally weakly talcose along fractures planes.	97669	25.65	26.65	1.00	TR	.660	.66
		97670	26.65	27.65	1.00	TR	.110	.11
	There are 1 to 3%, 2 to 4 mm wide carbonate - quartz filled fractures. There is trace very fine pyrite, disseminated or coating fractures. Lower contact is veined at 45 degrees to the core axis.	97671	27.65	28.65	1.00	TR	.150	.15
		97672	28.65	29.65	1.00	TR	.060	.06
		97673	29.65	30.65	1.00	TR	.060	.06
		97674	30.65	31.65	1.00	TR	.060	.06
		97675	31.65	32.65	1.00	TR	.060	.06
		97676	32.65	33.65	1.00	TR	.040	.04
	18.29 21.05 : mafic volcanic is intercalated by a few odd centimetric brecciated sericitic layers.	97677	33.65	34.65	1.00	TR	.100	.10
		97678	34.65	35.65	1.00	TR	.090	.09
	21.05 22.25 : dark green, very fine grained, massive section, strongly calcitic.	97679	35.65	36.65	1.00	TR	.150	.15
		97680	36.65	37.65	1.00	TR	.040	.04
	28.65 38.15 ULTRAMAFIC. Moderately hard, black with medium grey mottling, locally very weakly magnetic, ultramafic. There are 50%, 2 to 5 mm in size, medium grey polygonal grains of antigorite. Strongly chloritic, weakly talcose along fractures. There are trace, 1 to 2 mm ankerite vein fracture fillings. There are traces very fine pyrite and pyrrhotite blebs disseminated or coating fractures. Contacts are 45 and 50 degrees	97681	37.65	38.15	.50	TR	.020	.04
		97682	38.15	39.15	1.00	TR	.100	.10
		97683	39.15	40.15	1.00	TR	.090	.09
		97684	40.15	41.15	1.00	TR	.160	.16
		97685	41.15	42.15	1.00	TR	.090	.09
		97686	42.15	43.15	1.00	TR	.140	.14
		97687	43.15	44.15	1.00	TR	.080	.08
		97688	50.20	51.20	1.00	TR	.090	.09
		97689	51.20	52.20	1.00	TR	.100	.10
		97690	52.20	53.20	1.00	TR	.080	.08

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		to the core axis.	97691	53.20	54.10	.90	TR	.081	.09
42.00	42.15	: sheared and brecciated section, strongly chloritic and talcose. Contacts are 50 degrees to the core axis.							
42.80	44.15	: moderately fractured zone intercalated minor talc gouge and gravel. Fracture planes are 5 to 10 degrees to the core axis and 45 to 50 degrees to the core axis.							
44.15	51.20	: mafic volcanic are weakly foliated at 45 to 50 degrees to the core axis.							
51.20	54.10	: strongly bleached, weakly to moderately sericitic. Weakly foliated at 50 degrees to the core axis. There are a few odd yellow brown alteration stainings along fractures.							
54.10 154.23 UNDIFFERENTIATED IRON FORMATION									
			97692	54.10	54.90	.80	2-5	.160	.20
			97693	54.90	55.90	1.00	5-10	.100	.10
54.10	54.90	Brecciated ARGILLITE to brecciated chert. Hard, very fine grained to aphanitic, medium grey to dark grey, nonmagnetic. There are 40%, 0.5 to 1.5 cm in size, subangular chert and quartz fragments in a silicified and cherty matrix. There is 2 to 5% pyrite as fine euhedral grains disseminated. Lower contact is 45 degrees to the core axis, marked by a 15 cm wide silicified wacke.	97694	55.90	56.85	.95	5-10	.076	.08
			97695	56.85	57.85	1.00	50-80	.160	.16
			97696	57.85	58.50	.65	70-80	.104	.16
			97697	58.50	59.50	1.00	5-10	.050	.05
			97698	59.50	60.70	1.20	5-10	.072	.06
			97699	60.70	61.70	1.00	2-5	.090	.09
			97700	61.70	62.45	.75	2-5	.045	.06
			97701	62.45	63.45	1.00	2-8	.050	.05
			97702	63.45	64.45	1.00	2-6	.070	.07
54.90	58.50	Brecciated graphitic ARGILLITE, mineralized. Hard, very fine grained to aphanitic, dark grey to black, nonmagnetic, brecciated graphitic ARGILLITE. There are 5 to 7%, 0.5 to 3 cm in size angular chert fragments. Bedding is poorly developed at 50 degrees to the core axis. There is 5 to 10% pyrite as aggregated pyrite nodules elongated at 40 to 50 degrees to the core axis. From 56.85 to 58.5 there is 50 to 80% pyrite, also as aggregated nodules.	97703	64.45	65.70	1.25	1-4	.037	.03
			97704	65.70	66.50	.80	1-2	.056	.07
			97705	66.50	67.50	1.00	TR-1	.020	.02
			97706	67.50	68.50	1.00	TR-1	.040	.04
			97707	68.50	69.50	1.00	1-3	.050	.05
			97708	69.50	70.50	1.00	1-2	.030	.03
			97709	73.00	74.00	1.00	TR-2	.050	.05
			97710	78.00	79.00	1.00	TR-1	.030	.03
			97711	82.00	83.00	1.00	TR	.020	.02
			97712	86.00	87.00	1.00	TR-1	.280	.28
			97713	91.00	92.00	1.00	TR-3	.220	.22
58.50	60.70	Brecciated chert, mineralized. Hard, aphanitic, light beige grey brecciated chert. Mineralized. Nonmagnetic. There are 90 to 95%, 0.5 to 5 cm in size, subangular chert fragments. There is 5 to 10% very fine euhedral pyrite filling the interstices. 2 to 4%, 1 to 5 mm vugs are noted.	97714	92.00	93.00	1.00	TR-3	.120	.12
			97715	97.00	98.00	1.00	TR-1	.110	.11
			97716	98.00	99.00	1.00	TR-1	.100	.10
			97717	99.00	100.00	1.00	1-3	.100	.10
			97718	100.00	101.00	1.00	TR-1	.060	.06
			97719	101.00	102.00	1.00	TR-80	.100	.10
			97720	102.00	103.00	1.00	TR-80	.120	.12
60.70	62.45	Brecciated graphitic ARGILLITE. Same as 54.9 to 58.5. There is 2 to 5% pyrite as fine euhedral grains disseminated or aggregated in fine stringers.	97721	103.00	104.00	1.00	TR	.070	.07
			97722	106.00	107.00	1.00	TR-1	.120	.12
			97723	107.00	108.00	1.00	TR-80	.080	.08
			97724	108.00	109.00	1.00	TR	.090	.09

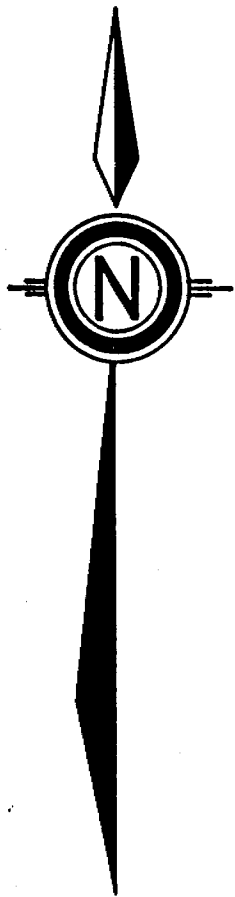
From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
62.45	65.70	Intercalated CONGLOMERATE. Hard, aphanitic to fine grained, light beige grey to grey, poorly bedded at 45 degrees to the core axis, interbedded brecciated chert and carbonate, intercalated minor decimetric conglomerate sections. There is 2 to 8% pyrite as fine euhedral grains disseminated along bedding or fragments.	97725	109.00	110.00	1.00	TR	.070	.07
			97726	111.00	112.00	1.00	TR-60	.110	.11
			97727	117.75	119.00	1.25	TR-3	.262	.21
			97728	119.00	120.00	1.00	TR-40	.100	.10
			97729	120.00	121.00	1.00	TR-40	.100	.10
			97730	124.00	125.00	1.00	TR	.130	.13
			97731	128.00	129.00	1.00	TR	.030	.03
			97732	131.00	132.00	1.00	TR	.040	.04
65.70	66.50	Silicified GREYWACKE. Hard, fine grained to medium grained, nonmagnetic, medium grey brown coloured, thickly bedded at 45 degrees to the core axis strongly silicified wacke. Lower contact intercalated with minor cherty fragments. There is 1 to 2% pyrite as fine euhedral grains disseminated.	97733	135.00	136.00	1.00	TR	.020	.02
			97734	141.00	142.00	1.00	TR-3	.080	.08
			97735	145.00	146.00	1.00	TR	.070	.07
			97736	149.00	150.00	1.00	TR	.070	.07
			97737	150.00	151.00	1.00	TR-1	.080	.08
			97738	151.00	152.00	1.00	TR-1	.030	.03
			97739	152.00	152.80	.80	TR-1	.096	.12
66.50	152.80	Chert / carbonate, local magnetite. Hard, very fine grained, to aphanitic, banded chert and carbonate, light grey to dark grey colour, variably magnetic. Bedding is well developed at 45 degrees to the core axis. Interbedded layers of chert and siderite are from 0.5 to 5 cm wide. There are overall 1%, 0.5 to 1 cm wide magnetite beds. There are a few odd centimetric layers of silicified ARKOSE noted. Fragmentation of cherty layers is common. This unit is strongly silicified (cherty) and carbonatized. There are a few odd quartz carbonate fracture fillings. There is trace to 3% very fine pyrite aggregated along bedding with a few odd decimetric semi-massive nodular pyrite sections. There is nil to trace pyrrhotite associated with magnetite beds.	97740	152.80	153.80	1.00	2-5	.060	.06
			97741	153.80	154.23	.43	2-5	.047	.11
101.40	101.70	: semi-massive pyrite (nodular).							
102.43	102.69	: semi-massive pyrite (nodular).							
107.91	107.99	: semi-massive pyrite (nodular).							
111.07	111.35	: semi-massive pyrite (nodular).							
119.20	119.35	: semi-massive pyrite (nodular).							
119.90	120.95	: brecciated carbonate intercalated semi massive pyrite and 5% magnetite.							
152.80	154.23	Graphitic ARGILLITE with intercalated chert. Hard, dark grey black, very fine grained to aphanitic, nonmagnetic, graphitic argillite intercalated with minor cherty layers. Thinly bedded at 45 degrees to the core axis. Strongly silicified, weakly calcitic. There is 2 to 5% pyrite as fine euhedral grains disseminated or aggregated along foliation. Foliation subparallels the bedding at 45 degrees to the core axis.							

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Hole No.: SR.89-16
Page No.: 5

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

154.23 END OF HOLE.



46700E

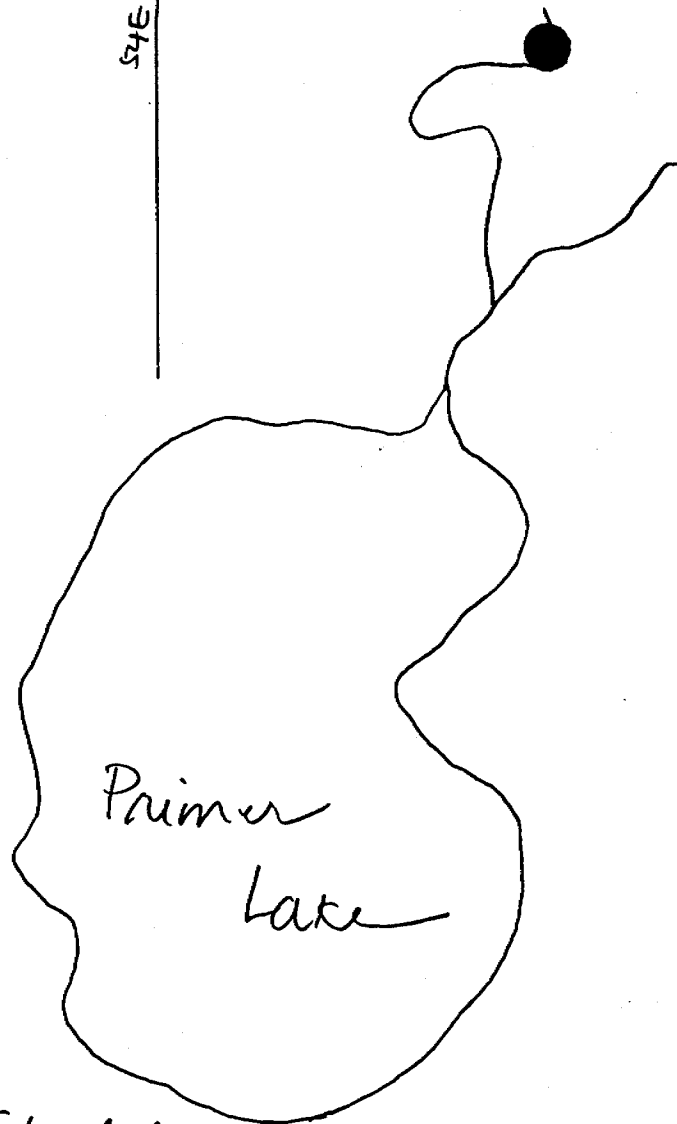
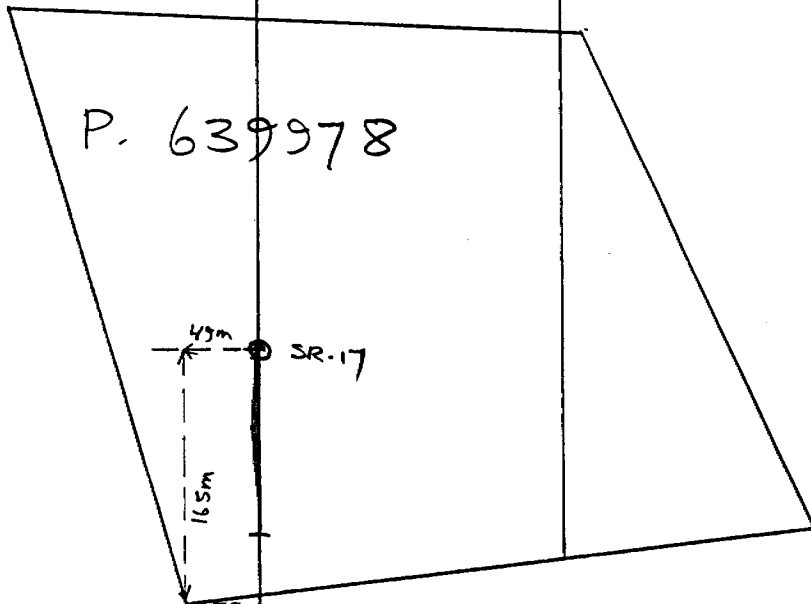
48E

50E

52E

54E

Baseline
10+00N

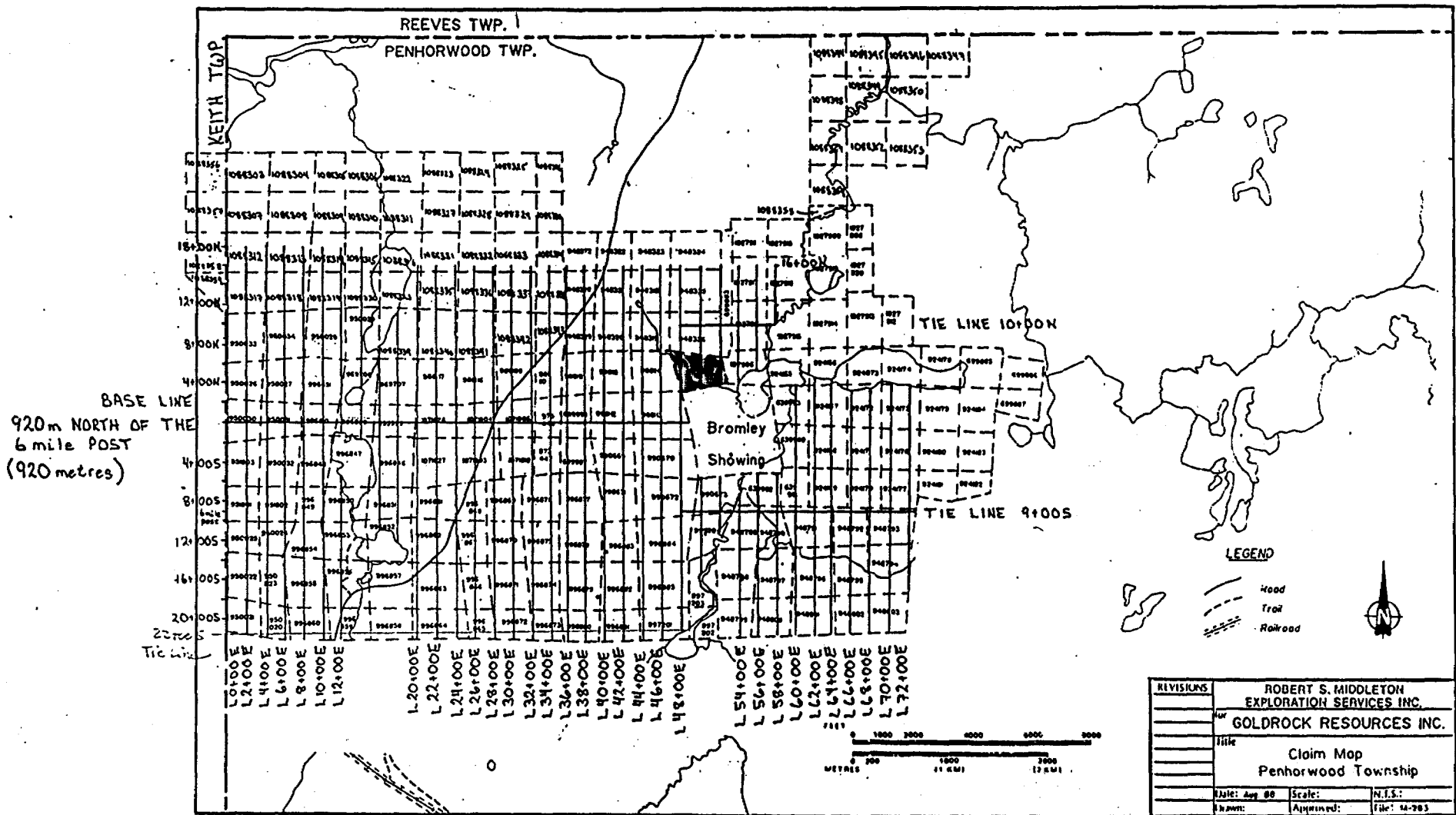


Location Sketch
Drillhole SR-17
Penhorwood Township.

Scale 1:5000

Baseline 00

Claims on which drilling was performed
 Claims on which work is being applied



AMERICAN BARRICK RESOURCES CORPORATION

ds: .0 .0
 Azimuth: 186.0
 Dip: -50.0
 Elevation: .0
 Length: 184.7
 Measurement: Metric
 Comments: Casing Pulled

DIAMOND DRILL RECORD
 Section: L48+00E
 Core Size: 8Q

HOLE NO.: SR.89-17
 Property: SEWELL REEVES
 Location: L48+00E 6+25N
 Date Started: November 20, 1989
 Date Completed: November 22, 1989
 Logged by: M. Bergeron

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-50.0	154.23		-48.0			
91.44		-49.0	184.71		-48.0			

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

.00 3.00 DVERBURDEN.
 3.00 57.40 GREYWACKE.
 17.90 - 19.40 : ARGILLITE.
 20.95 - 21.90 : ARGILLITE.
 35.15 - 38.40 : CONGLOMERATE.
 38.40 - 47.00 : quartzose wacke.
 47.00 - 57.40 : ARGILLITE intercalated minor
 GREYWACKE.
 57.40 64.70 Felsic intrusive.
 64.70 68.88 CONGLOMERATE.
 68.88 72.90 FAULT ZONE.
 72.90 111.56 Mafic to intermediate volcanics.
 72.90 - 77.60 foliated, weakly brecciated.
 111.56 123.86 TUFF.
 123.86 132.55 ULTRAMAFIC.
 132.55 162.60 BASALT.
 162.60 167.30 HIGH MAG BASALT.
 167.30 173.90 BASALT.
 168.40 - 169.02 felsic intrusive.
 171.70 - 172.40 brecciated quartz -
 carbonate vein.
 172.40 - 173.90 TUFF.
 173.90 178.20 HIGH MAG BASALT.
 176.75 - 177.65 TUFF.
 178.20 184.71 AMPHIBOLITE.
 184.71 END OF HOLE.

M. Bergeron
 AMERICAN BARRICK
 RESOURCES CORPORATION

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

.00 3.00 DVERBURDEN

Casing reamed to 3.66 m.

3.00 57.40 GREYWACKE

Intercalated minor CONGLOMERATE and ARGILLITE.
 A sequence of moderately to strongly fractured sediments. Greywackes are dominant and contain intercalated argillite and conglomerate sections. Greywackes are moderately hard, greenish-grey colour, and are nonmagnetic.
 Greywackes are poorly bedded at 50 to 55 degrees to the core axis. They are granular textured with visible rounded quartz and feldspar grains.
 There is a weak to moderate chloritic alteration and a weak carbonate alteration.
 There are a few odd millimetric carbonate veins and quartz carbonate veins as fracture filling.
 Foliation is weakly developed subparallel to the bedding at 50 to 55 degrees to the core axis.
 There is trace pyrite coating fractures.

17.90 19.40 ARGILLITE. Moderately hard, dark grey black to grey, very fine grained, nonmagnetic, argillite. Very weakly chloritic and carbonatized, poorly bedded at 55 degrees to the core axis. Unveined, weakly foliated at 55 degrees to the core axis. There is trace pyrite coating fractures.

20.95 21.90 ARGILLITE. Same as 17.90 to 19.40.

25.40 35.15 : GREYWACKE is weakly sericitic as millimetric bands disseminated along

97742	11.00	12.00	1.00	TR	.170	.17
97743	17.90	18.90	1.00	TR	.110	.11
97744	32.15	33.15	1.00	TR	.130	.13
97745	33.15	34.15	1.00	TR	.240	.24
97746	34.15	35.15	1.00	TR	.090	.09
97747	35.15	36.15	1.00	TR-1	.130	.13
97748	36.15	37.15	1.00	TR-1	.080	.08
97749	37.15	38.40	1.25	TR-1	.550	.44
97750	38.40	39.40	1.00	TR-1	.070	.07
97751	40.60	41.60	1.00	TR-1	.070	.07
97752	43.00	44.00	1.00	TR-1	.040	.04
97753	47.00	48.00	1.00	NIL-TR	.060	.06
97754	48.00	49.00	1.00	NIL-TR	.070	.07
97755	49.00	50.00	1.00	NIL-TR	.240	.24
97756	55.40	56.40	1.00	NIL-TR	.090	.09
97757	56.40	57.40	1.00	NIL-TR	.050	.05

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

foliation. Some decimetric sections are medium to light grey coloured and are weakly calcitic and sericitic.

35.15 38.40 CONGLOMERATE. Moderately hard, greenish-grey, nonmagnetic conglomerate. Fragments are polyictic and matrix supported. They are composed mainly of 2 to 4 mm sub-rounded quartz and mafic clasts. Matrix is moderately chloritic and very weakly calcitic. Foliation subparallels the bedding at 55 to 60 degrees to the core axis. There are trace quartz carbonate veins, 2 to 5 mm wide, at random angles. There is trace to 1% pyrite coating fractures or as fine grains disseminated.

38.40 47.00 : quartzose wacke. Moderately hard, light grey to grey-green, nonmagnetic, poorly bedded at 60 degrees to the core axis quartzose wacke. There is a weak sericitic alteration along foliation. Sediments are unveined. There is trace to 1% pyrite as fine blebs disseminated. Foliation subparallels the bedding at 60 degrees to the core axis.

41.60 47.00 : quartzose wacke intercalated with a few odd decimetric wacke/argillite sections.

47.00 57.40 ARGILLITE intercalated minor GREYWACKE. Moderately hard to moderately soft, light grey to dark grey argillite, nonmagnetic. There is a weak patchy silicification and sericitic alteration. From 49.0 to 50.20 the argillite is strongly sericitic. Argillite is intercalated by a few odd decimetric wacke sections. There are nil to trace quartz carbonate veins as fracture filling. There is nil to trace pyrite as very fine blebs disseminated.

57.40 64.70 FELSIC INTRUSIVE

Hard, very fine grained to aphanitic, light grey to greenish grey, nonmagnetic felsic intrusive. There are trace to 2%, 1 to 4 mm quartz phenocrysts. There is a weak calcitic alteration along fractures. There are trace quartz - carbonate filled fractures and nil to trace very fine pyrite disseminated. There is locally a weak foliation developed at 55 degrees to the core axis. This unit is weakly fractured but is intercalated with

97758	57.40	58.40	1.00	NIL-TR	.050	.05
97759	60.00	61.00	1.00	NIL-TR	.020	.02
97760	63.00	64.00	1.00	NIL-TR	.100	.10
97761	64.00	64.70	.70	NIL-TR	.070	.10

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

5X, 10 cm to 20 cm wide zones of ground core.
Lower contact is sharp and weakly graphitic at 70 degrees to the core axis.

64.70 68.88 CONGLOMERATE

97762	64.70	65.70	1.00	TR	.120	.12
97763	65.70	66.70	1.00	TR	.120	.12
97764	66.70	67.70	1.00	TR	.210	.21
97765	67.70	68.88	1.18	TR	.106	.09

Moderately hard, greenish-grey to light grey, nonmagnetic conglomerate. Fragments are polymictic and matrix supported. They are composed mainly of 5 mm to 2 cm subangular fragments of felsic, quartz, and mafic volcanic composition.

Matrix is moderately chloritic, there is a weak pervasive calcitic alteration. Conglomerate is unveined. There is trace very fine pyrite disseminated. Foliation and bedding are poorly developed at 60 degrees to the core axis. Lower and upper contacts are irregular and brecciated. Conglomerate is intercalated by a few odd, 5 to 10 cm wide felsic intrusive dykes.

68.88 72.90 FAULT ZONE

97766	68.88	69.88	1.00	NIL-TR	.040	.04
97767	69.88	70.88	1.00	NIL-TR	.060	.06
97768	70.88	71.88	1.00	NIL-TR	.050	.05
97769	71.88	72.90	1.02	NIL-TR	.061	.06

Soft, medium greenish-grey, nonmagnetic, sheared and faulted zone. There are 75 to 85% polymictic fragments matrix supported. Fragments are composed of 2 mm to 8 mm rounded quartz and felsic material with minor 5 mm to 1.5 cm subangular mafic material and rare quartz carbonate clasts. Matrix is a calcitic gouge.

Foliation is 60 to 70 degrees to the core axis. There are rare traces of fine pyrite disseminated. Contacts are sharp at 70 degrees to the core axis.

72.90 111.56 MAFIC VOLCANICS

97770	72.90	73.90	1.00	TR-1	.160	.16
97771	73.90	74.90	1.00	TR-1	.060	.06
97772	74.90	75.90	1.00	TR-1	.110	.11
97773	75.90	76.90	1.00	TR-1	.050	.05
97774	76.90	77.60	.70	TR-1	.056	.08
97775	77.60	78.60	1.00	TR	.080	.08
97776	82.00	83.00	1.00	TR	.080	.08
97777	85.00	86.00	1.00	TR	.080	.08
97778	90.00	91.00	1.00	TR	.050	.05

Moderately hard, medium grey-green to greenish grey, fine grained, nonmagnetic, massive mafic to intermediate volcanics.

Weakly to moderately chloritic, moderately ankeritic pervasively. There is a weak patchy sericitic alteration. There are trace to 1X, 2 to 5 mm wide, white quartz carbonate fracture fillings. There are traces of

From	To	Description	Sample	From	To	Length	X Sul	GM	Au g/t
		very fine pyrite blebs disseminated. Lower contact is sharp at 70 degrees to the core axis.	97779	93.18	94.18	1.00	TR	.060	.06
			97780	94.18	95.18	1.00	TR-1	.100	.10
72.90	77.60	Foliated and weakly brecciated. Greenish grey volcanics, moderately foliated at 5 to 70 degrees to the core axis. There is a weak brecciation, with a moderate light green chlorite - sericite alteration along the 5 mm to 2 cm subangular fragments. There are 1%, grey white, 5 mm to 1 cm wide quartz veins, pinched along foliation. There are trace to 1% very fine pyrite blebs disseminated.	97781	95.80	96.80	1.00	TR-1	.090	.09
			97782	96.80	97.70	.90	1	.117	.13
			97783	97.70	98.70	1.00	TR	.050	.05
			97784	101.00	102.00	1.00	TR	.050	.05
			97785	103.00	104.00	1.00	TR	.050	.05
			97786	106.80	107.80	1.00	TR	.110	.11
			97787	107.80	108.80	1.00	TR	.070	.07
			97788	108.80	109.35	.55	TR	.022	.04
			97789	109.35	110.35	1.00	TR	.040	.04
			97790	110.35	111.56	1.21	TR	.097	.08
77.60	94.18	greenish grey sections. There are 2 to 4%, 2 cm to 15 cm wide, sericitic bands, dull beige grey in colour. These sericitic bands are commonly weakly brecciated in situ.							
94.18	96.80	medium grey section. There are 5 to 10%, 0.5 to 1.5 mm carbonate specks disseminated. There are trace to 1% medium grained pyrite blebs disseminated.							
96.80	97.70	dark green mafic volcanic, very fine grained, nonmagnetic, massive. Strongly chloritic, very weakly calcitic. There are 1%, quartz - carbonate filled fractures. There is trace to 1% pyrite as medium grains disseminated.							
97.70	105.00	medium grey-green section. Upper contact is moderately to strongly calcitic until 99 m. There are a few odd, 2 mm to 1 cm wide sericitic bands at 70 to 80 degrees to the core axis. From 101.0 to 102.0 and 103.0 to 104.0 volcanics are very weakly brecciated, with sericitic alteration along the subangular fragments.							
105.00	106.80	medium grey to grey-green section. There are 5 to 10%, 0.5 to 1.5 mm carbonate specks disseminated.							
106.80	109.35	brecciated. Medium grey to grey-green weakly brecciated in situ volcanics. There are trace to locally 2%, 0.5 to 3 cm subangular volcanic fragments within a strongly chloritic and moderately sericitic matrix.							
109.35	111.56	medium grey-green section, very fine grained, weakly sericitic pervasively.							
111.56	123.86	TUFF	97791	111.56	112.56	1.00	TR	.120	.12
			97792	112.56	113.56	1.00	TR	.060	.06

From	To	Description	Sample	From	To	Length	X Sul	GW	Au g/t
		Moderately hard, light grey beige to greenish grey, mafic to intermediate tuff-breccia.	97793	113.56	114.56	1.00	TR	.090	.09
			97794	114.56	115.56	1.00	TR	.120	.12
		There are 10 to 25% subrounded fragments, 2 mm to 2 cm wide, composed of intermediate volcanics, quartz and minor chert. The matrix is fine grained.	97795	115.56	116.56	1.00	TR	.080	.08
			97796	116.56	117.56	1.00	TR	.070	.07
			97797	117.56	118.56	1.00	TR	.060	.06
		There is a moderate chloritic and sericitic alteration within the matrix. There is a weak calcitic alteration pervasively.	97798	118.56	119.56	1.00	TR	.110	.11
			97799	119.56	120.56	1.00	TR	.150	.15
			97800	120.56	121.56	1.00	TR	.170	.17
		There are trace, white grey coloured, 2 mm to 1 cm wide quartz carbonate vein fracture fillings.	97801	121.56	122.56	1.00	TR	.050	.05
		There is trace pyrite as fine blebs disseminated. Sericitic alteration decreases downhole. Lower contact is sheared and veined at 70 degrees to the core axis.	97802	122.56	123.86	1.30	TR-3	.793	.61

123.86 132.55 ULTRAMAFIC

		Moderately soft, fine grained, medium grey black, nonmagnetic, massive ultramafic flow.	97803	123.86	124.86	1.00	NIL-TR	.050	.05
		Strongly chloritic, weakly talcose, moderately ankeritic pervasively. There are 5%, 0.5 to 2 mm wide, ankerite veins filling fractures or pinched along the weakly developed foliation at 65 to 70 degrees to the core axis. There are a few odd 0.5 to 1 cm wide, white, quartz ankerite veins at random angles.	97804	127.00	128.00	1.00	NIL-TR	.070	.07
		There are nil to rare traces of pyrite as fine blebs disseminated. From 127.40 to 127.45 and 127.80 to 127.83, ultramafics are intercalated with gouge and gravel planes at 60 to 75 degrees to the core axis. Lower contact is sheared and veined at 65 degrees to the core axis.	97805	131.55	132.55	1.00	NIL-TR	.030	.03

132.55 162.60 BASALT

		Moderately hard, fine grained, dark green to green, nonmagnetic massive mafic volcanic. Strongly chloritic and calcitic pervasively.	97806	132.55	133.55	1.00	TR	.060	.06
		There are 2 to 5% carbonate - quartz filled fractures. From 132.55 to 133.80 and 144.30 to 149.30 there are 10 to 15% carbonate - quartz filled fractures.	97807	138.00	139.00	1.00	TR	.040	.04
		There is trace pyrite as fine euhedral grains disseminated. From 149.10 to 149.20 and 151.60 to 151.80 there is 3% pyrite as fine blebs or euhedral grains associated with carbonate - quartz veins. Lower contact is fractured at 65 degrees to the core axis	97808	145.00	146.00	1.00	TR	.060	.06
			97809	148.00	149.00	1.00	TR	.090	.09
			97810	149.00	150.00	1.00	TR-3	.060	.06
			97811	151.00	152.00	1.00	TR-3	.050	.05
			97812	155.00	156.00	1.00	TR	.080	.08
			97813	159.00	160.00	1.00	TR	.100	.10
			97814	161.60	162.60	1.00	TR	.050	.05

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

162.60 167.30 HIGH MAG BASALT

97815 162.60 163.60 1.00 NIL-TR .060 .06
97816 166.30 167.30 1.00 NIL-TR .060 .06

Moderately hard, fine grained massive flow, weakly to strongly magnetic. There are trace to 5%, 1 mm to 1 cm wide, very fine magnetite beds filling fractures. There is a strong chloritic and calcitic alteration pervasively. There are 2 to 5% carbonate - quartz filled fractures. There is nil to trace pyrite as fine euhedral grains disseminated. Lower contact is diffuse.

167.30 173.90 BASALT

97817 167.30 168.40 1.10 NIL .055 .05
97818 168.40 169.02 .62 TR .043 .07
97819 169.02 170.02 1.00 NIL .040 .04
97820 171.70 172.40 .70 1-2 .035 .05
97821 172.40 173.90 1.50 NIL .060 .04

Moderately hard, dark green to medium grey, nonmagnetic mafic volcanic. Strongly chloritic, moderately calcitic pervasively. There are 1 to 3% carbonate - quartz filled fractures.

There are 5 to 20%, 1 to 2 mm in size, carbonate specks disseminated.

Barren of mineralization. From 167.30 to 167.70, BASALT is weakly brecciated.

168.40 169.02 Felsic intrusive. Hard, very fine grained to aphanitic, orange grey colour, nonmagnetic. There is a weak sericitic alteration along fractures. There are 2%, 1 to 6 cm wide ankeritic - quartz veins at 40 degrees to the core axis. There is trace pyrite as fine euhedral grains disseminated. Contacts are veined at 50 / 40 degrees to the core axis.

171.70 172.40 Brecciated quartz - carbonate vein. Hard, very fine grained to aphanitic, weakly magnetic. There are 60 to 70%, 5 mm to 2 cm in size, subangular grey blue colour, quartz - carbonate vein fragments in a chloritic - sericitic - calcitic matrix with intercalated minor magnetite. There is 1 to 2% fine euhedral pyrite disseminated. Contacts are sharp at 25 and 55 degrees to the core axis.

172.40 173.90 TUFF. Hard, fine grained, light grey green to pinkish grey colour, nonmagnetic intermediate tuff. Poorly bedded at 50 degrees to the core axis. There is a weak

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

silicification and hematization pervasively. There are 1 to 2%, 0.5 to 5.0 cm wide, pinkish white coloured, quartz ankerite veins at 50 to 60 degrees to the core axis. TUFF is barren of mineralization. Lower contact is sharp at 50 degrees to the core axis.

173.90 178.20 HIGH MAG BASALT

Same as 162.6 to 167.3. Lower contact is veined at 70 degrees to the core axis.

176.75 177.65 TUFF. Same as 172.4 to 173.9 except there are 1%, 0.5 to 0.2 cm wide, quartz ankeritic veins. Contacts are 55 degrees to the core axis.

97822	173.90	174.90	1.00	NIL-TR	.050	.05
97823	175.75	176.75	1.00	NIL-TR	.040	.04
97824	176.75	177.65	.90	NIL	.036	.04
97825	177.65	178.20	.55	NIL-TR	.050	.09

178.20 184.71 AMPHIBOLITE

Hard, fine grained to medium grained, dark brownish green, moderately to strongly magnetic hornblende amphibolite.

There is a moderately to weakly calcitic alteration decreasing downhole. There is a weak patchy hematite alteration, and a moderate chlorite alteration pervasively. There is a weak sericitic alteration along fractures.

There are 3 to 5%, 1 to 5 mm wide, carbonate - quartz filled fractures and a few odd, 1 to 5 mm wide quartz - hematite veins at random angles.

There is trace to 5% pyrite as very fine points or blebs disseminated.

Upper contact is weakly foliated at 50 degrees to the core axis.

97826	178.20	179.20	1.00	TR	.040	.04
97827	179.20	180.20	1.00	TR	.040	.04
97828	180.20	181.20	1.00	TR-1	.080	.08
97829	181.20	182.20	1.00	1-5	.360	.36
97830	182.20	183.20	1.00	1-3	.040	.04
97831	183.20	184.20	1.00	1	.060	.06
97832	184.20	184.71	.51	TR	.005	.01

184.71 END OF HOLE.

Jehann Lake

6000E

62E

64E

66E

87m
82m

SR-18

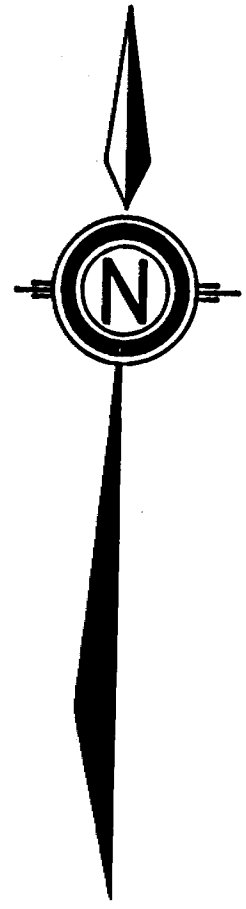
P. 924167

P. 924168

6m

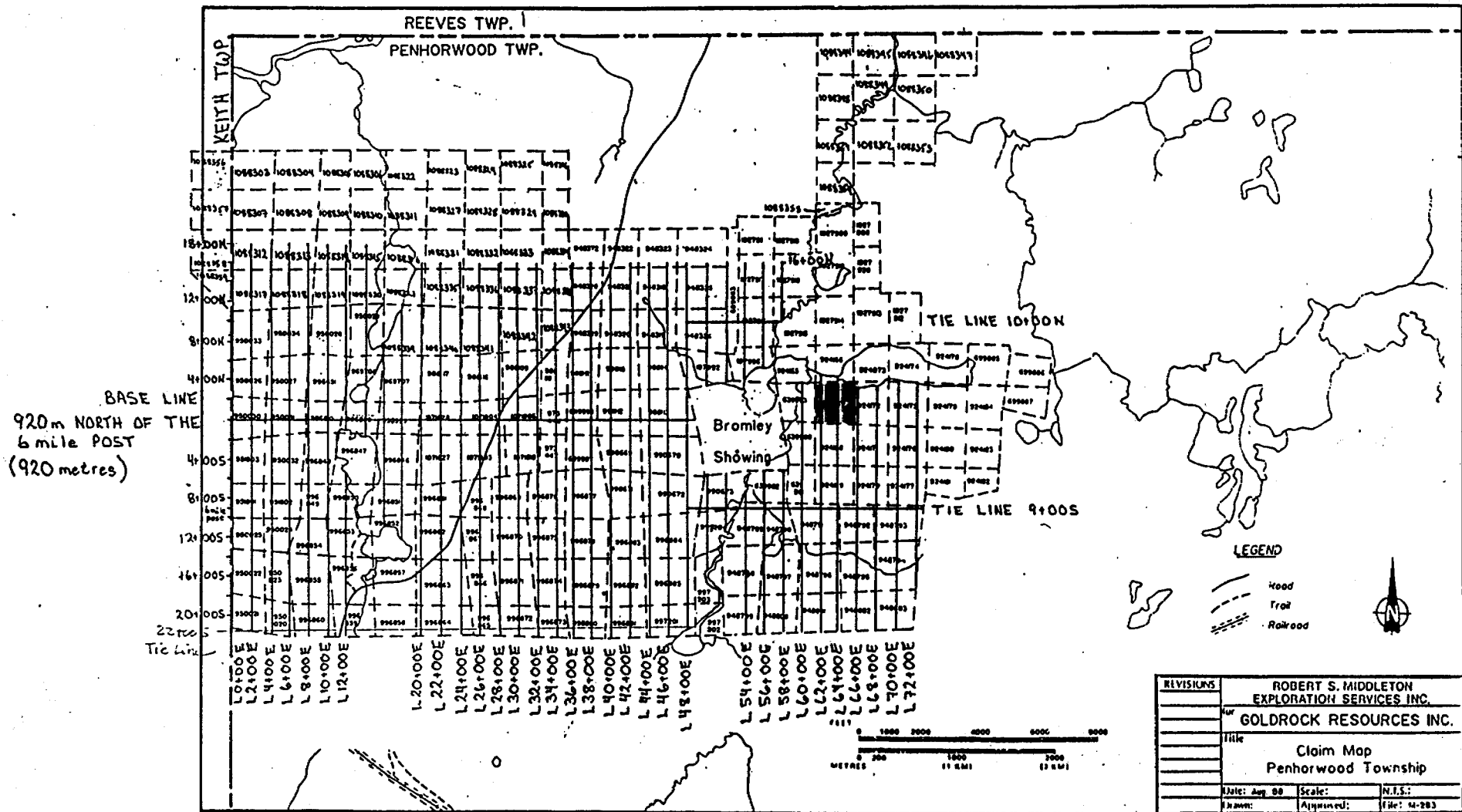
SR-19

160m



Location sketch
Drillholes SR-18, 19
Penhorwood Township
Scale 1:5000.

Claims on which drilling was performed
 Claims on which work is being applied



AMERICAN BARRICK RESOURCES CORPORATION

ds:	.0	.0	DIAMOND DRILL RECORD	HOLE NO.:	SR.89-18
Azimuth:	186.0		Section: L60+00E	Property:	SEWELL REEVES
Dip:	-50.0		Core Size: 80	Location:	L60+00E 5+25N
Elevation:	.0			Date Started:	December 1, 1989
Length:	154.2			Date Completed:	December 5, 1989
Measurement:	Metric			Logged by:	M. Bergeron
Comments:	Some casing lost in hole				

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-49.0	91.44		-49.0	154.23		-48.0

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

.00 31.39 OVERBURDEN.
 31.39 42.85 Mafic to intermediate volcanic.
 42.85 66.28 BASALT.
 66.28 70.00 Graphitic FAULT ZONE.
 70.00 74.85 GREYWACKE / ARGILLITE.
 74.85 81.50 Graphite intercalated graphitic ARGILLITE -
 FAULT ZONE.
 81.50 86.05 Volcanic breccia.
 86.05 88.70 Altered BASALT.
 88.70 91.75 Quartz - feldspar porphyry.
 89.10 - 89.12 fault plane.
 91.75 104.00 ULTRAMAFIC.
 104.00 115.50 CONGLOMERATE.
 115.50 127.06 CARBONATE ZONE.
 125.75 - 127.06 CONTACT ZONE.
 127.06 154.23 SYENITE.
 154.23 END OF HOLE.


 AMERICAN BARRICK
 RESOURCES CORPORATION

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

.00 31.39 OVERBURDEN

31.39 42.85 MAFIC VOLCANICS

Moderately hard, fine grained, medium greenish grey, nonmagnetic. Volcanics are massive, intercalated by a few odd, 5 to 10 cm wide, brecciated zones. In those zones volcanic fragments are 0.5 to 2 cm wide, angular, and are supported by a dark green black chloritic matrix. Volcanics are strongly chloritic and moderately calcitic pervasively. There are 2 to 5%, 1 to 5 mm quartz - carbonate filled fractures. There is nil to trace pyrite as fine blebs disseminated, and rare pyrrhotite traces within brecciated zones. Lower contact is sharp and veined at 45 degrees to the core axis.

97833	34.00	35.00	1.00	NIL-TR	.040	.04
97834	37.50	38.50	1.00	NIL-TR	.020	.02
97835	41.85	42.85	1.00	NIL-TR	.010	.01

42.85 66.28 BASALT

Moderately hard, fine grained, dark grey to medium grey nonmagnetic massive BASALT. Moderately to strongly chloritic, moderately carbonatized as calcitic alteration from 42.85 to 53.6 and downhole as ankeritic alteration.

There are trace to 1%, quartz carbonate filled fractures. There are 1%, 0.5 to 2 cm, quartz - carbonate veins at 50 degrees to the core axis.

There is trace pyrite as fine blebs disseminated.

63.80 66.28 : BASALT moderately foliated at 45 degrees to the core axis with intercalated minor graphitic alteration along foliation planes.

Lower contact is marked by a 30 cm

97836	42.85	43.85	1.00	TR	.020	.02
97837	47.50	48.50	1.00	TR	.230	.23
97838	51.00	52.00	1.00	TR	.080	.08
97839	54.00	55.00	1.00	TR	.140	.14
97840	59.00	60.00	1.00	TR	.120	.12
97841	62.80	63.80	1.00	TR	.110	.11
97842	63.80	64.80	1.00	TR	.080	.08
97843	64.80	66.28	1.48	TR	.104	.07

From To -----Description----- Sample From To Length X Gul GW Au g/t

brecciated QUARTZ VEIN ZONE. There are 60% white grey to pink, angular quartz carbonate veins. Matrix is moderately graphitic.

66.28 70.00 FAULT ZONE

97844 68.28 69.28 1.00 TR-3 .060 .06
97845 69.28 70.00 .72 TR-3 .036 .05

Graphitic.
Intercalation of ground graphite and medium grey strongly fractured intermediate volcanic.
Intermediate volcanics are very fine grained, weakly silicified, barren of mineralization and contain 10%, 0.2 to 0.5 cm quartz filled fractures.
Graphite appears as gouge cementing 0.2 to 0.5 cm wide quartz vein fragments or as strongly fractured and brecciated centimetric pieces intercalated with 10% fragmented quartz veins.
There is trace to 3% pyrite as fine blebs disseminated along quartz veins.
There are 2 m lost core.

70.00 74.85 GREYWACKE

97846 70.00 71.00 1.00 TR .090 .09
97847 71.00 72.00 1.00 TR .080 .08
97848 72.00 73.00 1.00 TR .060 .06
97849 73.00 74.00 1.00 TR .270 .27
97850 74.00 74.85 .85 TR .059 .07

Intercalated ARGILLITE.
Moderately hard, very fine grained to fine grained, medium grey to dark grey, poorly bedded wacke intercalated with minor graphitic argillite.
Weakly chloritic, weakly calcitic as patchy alteration.
There are trace to 3%, 1 to 3 mm carbonate specks disseminated.
There is a weak graphitic alteration along fractures.
Sediments are poorly veined. Foliation subparallels the bedding at 45 degrees to the core axis. There is trace pyrite as fine blebs or nodules disseminated.
Lower contact is fractured.

74.85 81.50 FAULT ZONE

97851 74.85 75.85 1.00 TR .070 .07
97852 75.85 76.85 1.00 TR .050 .05
97853 76.85 77.85 1.00 TR-4 .060 .06
97854 77.85 78.85 1.00 TR-4 .060 .06
97855 78.85 79.85 1.00 TR .040 .04

Graphitic with intercalated graphitic ARGILLITE.
Medium grey to black colour. Graphite with intercalated graphitic ARGILLITE. Graphitic ARGILLITE is thinly

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		bedded at 50 degrees to the core axis and weakly fractured along foliation planes.	97856	79.85	80.85	1.00	TR	.050	.05
		There are 1 to 4%, 1 to 3 mm wide, quartz veins along foliation. There is trace pyrite as fine euhedral grains disseminated.	97857	80.85	81.50	.65	TR	.072	.11
		Graphite is strongly fractured, unveined, barren of mineralization.							
		From 74.85 to 78.5 graphitic ARGILLITE is intercalated with 30 to 40%, 10 to 30 cm wide sections of graphite.							
		From 77.55 to 78.03, there is 1 to 4% pyrite as fine blebs associated with quartz veining.							
		From 78.50 to 81.50 graphitic ARGILLITE.							
		Lower contact is veined and graphitic at 5 degrees to the core axis.							
81.50	86.05	VOLCANIC BRECCIA							
			97858	81.50	82.50	1.00	TR	.040	.04
			97859	82.50	83.50	1.00	TR	.060	.06
		Moderately hard, mottled medium green and dark grey green, nonmagnetic volcanic breccia.	97860	83.50	84.50	1.00	TR	.090	.09
		There are 60 to 70%, 0.5 to 5 cm in size, dull beige green coloured, subangular, unstratified and unsorted fragments of intermediate volcanic. Weakly sericitic.	97861	84.50	85.50	1.00	TR	.120	.12
		Matrix is composed of subrounded fragments 1 to 5 mm in size.	97862	85.50	86.05	.55	TR	.017	.03
		Those fragments are mainly quartz, mafic to intermediate volcanic and feldspar. Accessory graphitic ARGILLITE subangular fragments are noted. Matrix is strongly chloritic and very weakly graphitic.							
		The volcanic breccia is unveined. There is trace pyrite as fine blebs disseminated within the matrix.							
		Lower contact is ground.							
86.05	88.70	BASALT							
			97863	86.05	87.40	1.35	TR	.067	.05
			97864	87.40	88.05	.65	NIL	.039	.06
		86.05 87.40 : moderately hard, very fine grained, dark grey to brownish grey weakly sericitic mafic volcanic, nonmagnetic. Moderately chloritic, weakly carbonatized. Unveined, weakly foliated at 60 degrees to the core axis. There is trace pyrite as fine blebs disseminated. Upper contact is weakly brecciated.	97865	88.05	88.70	.65	NIL	.026	.04
		87.40 88.05 : hard, very fine grained, light to medium grey, weakly sericitic and silicified mafic							

To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
	volcanic, nonmagnetic. Poorly veined, barren of mineralization, weakly foliated at 60 degrees to the core axis.							
88.05	88.70 : moderately hard, dark grey to greenish grey, moderately chloritic, weakly carbonatized mafic volcanic. Nonmagnetic, massive. There are 3 to 5%, 5 mm to 1 cm wide QUARTZ-CARBONATE VEINS at random angles. Barren of mineralization.							
88.70	91.75 QUARTZ - FELDSPAR PORPHYRY	97866	88.70	89.70	1.00	NIL-TR	.050	.05
	Moderately hard, fine grained, light to medium grey, nonmagnetic. There are 5%, 1 to 2 mm quartz phenocrysts in a feldspathic groundmass.	97867	89.70	90.70	1.00	NIL-TR	.040	.04
	There are 1 to 2%, 2 mm to 1 cm wide, QUARTZ-CARBONATE VEINS disseminated along foliation.	97868	90.70	91.75	1.05	NIL-TR	.063	.06
	There is nil to trace pyrite as fine blebs disseminated. Felsic intrusive is weakly sheared and foliated at 50 to 60 degrees to the core axis.							
	Locally weakly brecciated with millimetric chloritic veinlets filling fractures.							
89.10	89.12 Fault plane. Intercalated gouge and gravel. Contacts are 40 / 70 degrees to the core axis. Lower contact is sheared at 60 degrees to the core axis.							
91.75	104.00 ULTRAMAFIC	97869	91.75	92.75	1.00	NIL-TR	.030	.03
	Moderately soft, dark blue grey, fine grained, weakly magnetic talc - chlorite - carbonate - schist.	97870	92.75	93.75	1.00	NIL-TR	.040	.04
	Strongly chloritic and carbonatized, weakly talcose.	97871	93.75	94.75	1.00	NIL-TR	.040	.04
	There are 5 to 10%, 1 to 2 mm wide carbonate veins (ankeritic) pinched along foliation or as fine specks disseminated along foliation.	97872	94.75	95.75	1.00	NIL-TR	.040	.04
	There are a few odd 2 mm to 1 cm wide QUARTZ-CARBONATE VEINS crosscutting the foliation at 70 to 50 degrees to the core axis.	97873	95.75	96.75	1.00	NIL-TR	.060	.06
	Foliation is strongly developed at 65 degrees to the core axis. There is nil to trace pyrite as fine blebs disseminated. ULTRAMAFIC is intercalated with a few odd decimetric light beige green talc - carbonate schist sections.	97874	96.75	97.75	1.00	NIL-TR	.070	.07
	From 100 m to 104 m : talc - carbonate - schist.	97875	97.75	98.75	1.00	NIL-TR	.060	.06
	Lower contact is marked by a 22 cm, dull white - beige,	97876	98.75	99.75	1.00	NIL-TR	.010	.01
		97877	99.75	100.75	1.00	NIL-TR	.020	.02
		97878	100.75	101.75	1.00	NIL-TR	.050	.05
		97879	101.75	102.75	1.00	NIL-TR	.130	.13
		97880	102.75	104.00	1.25	NIL-TR	.050	.04

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

sugary textured, quartz ankerite vein.

104.00 115.50 CONGLOMERATE

Moderately hard to hard, mottled grey-green, greenish yellow and beige grey, polymictic conglomerate, fragment supported.

CONGLOMERATE is poorly sorted and poorly bedded at 45 to 50 degrees to the core axis.

There are two average sizes of fragments. One is composed of 1 to 5 cm, subrounded to subangular, mafic to intermediate sericitic volcanics, and rare quartz. Those represent 20 to 25% of the conglomerate.

The second is composed of 2 mm to 2 cm, subrounded, quartz, mafic to intermediate sericitic volcanics, and lithic fragments.

There is a strong sericitic alteration and a moderate ankeritic alteration with rare fuchsite alteration.

There are nil to trace quartz carbonate filled fracture.

There are rare traces of fine to medium grained euhedral pyrite disseminated.

104.00 105.08 : medium grey to dark grey conglomerate. The fragments are 2 mm to 5 mm in size.

115.35 115.50 : lower contact is marked by a graphitic ARGILLITE thinly bedded at 60 degrees to the core axis.

97881	104.00	105.08	1.08	NIL-TR	.054	.05
97882	105.08	106.08	1.00	NIL-TR	.050	.05
97883	108.00	109.00	1.00	NIL-TR	.050	.05
97884	112.00	113.00	1.00	NIL-TR	.070	.07
97885	114.50	115.50	1.00	NIL-TR	.060	.06

115.50 127.06 CARBONATE ZONE

Moderately hard, mottled light green to medium green and greenish beige. Strongly carbonatized zone of possibly ultramafic composition. Nonmagnetic.

There is a strong ankeritic and sericitic alteration pervasively. There is a weak patchy fuchsite alteration.

There are 5% ankeritic quartz vein stringers.

There is trace pyrite as very fine points or euhedral grains disseminated.

125.75 127.06 CONTACT ZONE. Moderately hard, very fine grained, nonmagnetic, dark green black coloured ultramafic. Strongly ankeritic, weakly sericitic pervasively. There are trace ankerite quartz vein fracture fillings. There is nil to trace pyrite as fine blebs disseminated.

97886	115.50	116.50	1.00	TR	.060	.06
97887	116.50	117.50	1.00	TR	.100	.10
97888	117.50	118.50	1.00	TR	.050	.05
97889	118.50	119.50	1.00	TR	.090	.09
97890	119.50	120.50	1.00	TR	.120	.12
97891	120.50	121.50	1.00	TR	.100	.10
97892	121.50	122.05	.55	TR	.039	.07
97893	122.05	123.05	1.00	TR	.050	.05
97894	123.05	124.05	1.00	TR	.060	.06
97895	124.05	125.05	1.00	TR	.140	.14
97896	125.05	125.75	.70	TR	.105	.15
97897	125.75	127.06	1.31	TR	.157	.12

To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
127.06	154.23 SYENITE	97898	127.06	128.06	1.00	TR	.070	.07
		97899	128.06	129.06	1.00	TR	.140	.14
	Hard, fine grained, medium pinkish tan to greenish pink tan colour, nonmagnetic syenite.	97900	129.06	130.06	1.00	TR	.150	.15
	There is a strong and pervasive ankeritic alteration and a moderate patchy sericitic alteration.	97901	132.00	133.00	1.00	TR	.060	.06
	There are 1 to 3%, white grey coloured, 2 to 5 mm wide, ankerite quartz veins elongated along foliation or filling fractures.	97902	135.00	136.00	1.00	TR	.110	.11
	There is trace pyrite as very fine euhedral grains disseminated.	97903	139.00	140.00	1.00	TR	.090	.09
	There is a weak foliation developed at 50 to 55 degrees to the core axis.	97904	141.00	142.00	1.00	TR	.120	.12
	150.70 154.23 : SYENITE is weakly brecciated. Interstices between fragments are filled with chloritic - hematitic, weakly magnetic material.	97905	144.00	145.00	1.00	TR	.050	.05
		97906	147.00	148.00	1.00	TR	.080	.08
		97907	148.70	149.70	1.00	TR	.090	.09
		97908	149.70	150.70	1.00	TR	.060	.06
		97909	150.70	151.70	1.00	TR	.060	.06
		97910	151.70	152.70	1.00	TR	.100	.10
		97911	152.70	153.70	1.00	TR-2	.060	.06
		97912	153.70	154.23	.53	TR	.026	.05
154.23	END OF HOLE.							

Jehann Lake

60200E

62E

64E

66E

82m
57m

SR-18

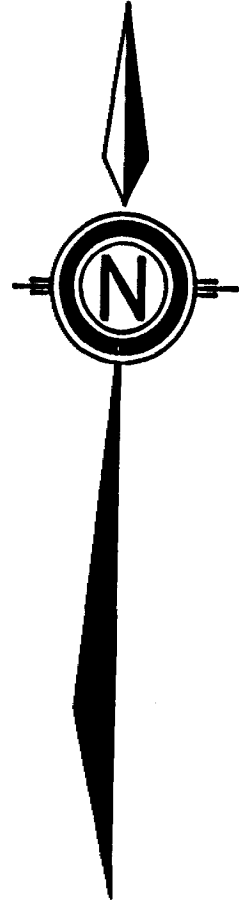
P. 924167

P. 924168

6m

SR-19

160m



Location sketch
Drillholes SR-18, 19
Penhorwood Township

Scale 1:5000.

AMERICAN BARRICK RESOURCES CORPORATION

Records: .0 .0

DIAMOND DRILL RECORD

HOLE NO.: SR.89-19

Azimuth: 186.0

Section: L60+00E

Property: SENELL REEVES

Dip: -50.0

Core Size: 80

Location: L60+00E 2+50S

Elevation: .0

Date Started: December 5, 1989

Length: 154.2

Date Completed: December 7, 1989

Measurement: Metric

Logged by: M. Bergeron

Comments: Casing lost in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-49.0	91.44		-49.0	152.40		-48.0

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

.00 20.42 OVERBURDEN.

20.42 154.23 BASALT.

20.42 - 125.50 fine to medium grained massive flow.

92.13 - 93.17 felsic intrusive.

104.5 - 105.73 very fine grained massive flow.

105.73 - 109.76 felsic intrusive.

125.50 - 154.23 very fine grained to aphanitic massive flow.

154.23 END OF HOLE.



AMERICAN BARRICK
RESOURCES CORPORATION

To	Description	Sample	From	To	Length	% Sul	8W	Au g/t
.00	20.42 OVERBURDEN							
	CASING reamed to 21.95.							
20.42	154.23 BASALT							
		97913	23.50	24.50	1.00	TR	.070	.07
		97914	30.50	31.50	1.00	TR	.070	.07
20.42	125.50 Fine to medium grained massive flow. A sequence of moderately hard, fine grained to medium grained, dark greenish-grey to green coloured massive mafic volcanic. The sequence is in general nonmagnetic. From 37 to 64.5 there are a few odd weakly to moderately magnetic centimetric sections containing trace very fine magnetite stringers or grains disseminated. Mafic volcanics are strongly chloritic, moderately to strongly calcitic, and there are trace to 5% fine leucoxene grains disseminated. There are 1 to 5%, white to white grey coloured, 2 mm to 1 cm wide quartz - carbonate vein fracture fillings. There are a few odd, white to white grey coloured, 1 mm to 5 cm wide sugar textured quartz - carbonate veins at 45 to 80 degrees to the core axis. There is trace pyrite as fine blebs or euhedral grains disseminated.	97915	40.50	41.50	1.00	TR	.090	.09
		97916	43.10	44.10	1.00	TR	.050	.05
		97917	48.00	49.00	1.00	TR	.050	.05
		97918	52.00	53.00	1.00	TR	.140	.14
		97919	61.00	62.00	1.00	TR	.080	.08
		97920	66.50	67.50	1.00	TR	.050	.05
		97921	71.50	72.50	1.00	TR	.200	.20
		97922	72.50	73.50	1.00	TR	.130	.13
		97923	73.50	74.50	1.00	TR	.110	.11
		97924	74.50	75.50	1.00	TR	.120	.12
		97925	75.50	76.50	1.00	TR	.280	.28
		97926	81.00	82.00	1.00	TR	.250	.25
		97927	88.00	89.00	1.00	TR	.170	.17
		97928	91.13	92.13	1.00	TR	.150	.15
		97929	92.13	93.17	1.04	TR	.697	.67
		97930	93.17	94.17	1.00	TR	.210	.21
		97931	94.17	95.17	1.00	TR	.110	.11
		97932	97.00	98.00	1.00	TR	.100	.10
		97933	101.00	102.00	1.00	TR	.130	.13
		97934	104.50	105.73	1.23	TR	.381	.31
23.03	23.10 : ground core. There is a yellow brown alteration staining.	97935	105.73	106.73	1.00	NIL-TR	.150	.15
		97936	106.73	107.73	1.00	NIL-TR	.110	.11
71.80	72.23 : dull grey to beige grey sericitic section.	97937	107.73	108.73	1.00	NIL-TR	.090	.09
73.15	75.80 : dark green to beige grey section. There is a moderate patchy sericitic alteration along veining and fractures.	97938	108.73	109.76	1.03	NIL-TR	.175	.17
		97939	109.76	110.76	1.00	TR	.130	.13
		97940	110.76	111.76	1.00	TR	.160	.16
92.13	93.17 Felsic intrusive. Hard, mottled medium beige grey and green, nonmagnetic. There are 10 to 15%, 2 mm to 5 mm in size, chlorite porphyroblasts in a fine grained quartz feldspar groundmass. There is a strong	97941	111.76	112.76	1.00	TR	.430	.43
		97942	115.00	116.00	1.00	TR	.100	.10
		97943	120.00	121.00	1.00	TR	.100	.10
		97944	124.50	125.50	1.00	TR	.040	.04
		97945	125.50	126.50	1.00	TR	.080	.08

To	Description	Sample	From	To	Length	% Sul	GW	Au g/t	
	calcitic alteration. There is trace pyrite as fine euhedral grains disseminated. This section is unveined and there is a weak foliation developed at 50 degrees to the core axis. Contacts are sharp at 55 degrees to the core axis.	97946	126.50	127.50	1.00	TR	.080	.08	
		97947	128.50	129.50	1.00	TR	.110	.11	
		97948	134.00	135.00	1.00	TR	.070	.07	
		97949	136.00	137.00	1.00	TR-2	.070	.07	
		97950	140.00	141.00	1.00	TR	.060	.06	
		97951	142.50	143.50	1.00	TR-2	.060	.06	
104.50	105.73	Very fine grained massive flow. Moderately hard, medium green, very fine grained massive flow. Strongly chloritic and calcitic pervasively. Unveined except for the upper contact marked by 10%, 5 mm to 1 cm wide, white coloured quartz - carbonate veins at 45 degrees to the core axis. There is trace pyrite as fine blebs disseminated. Lower contact is sharp at 85 degrees to the core axis.	97952	147.00	148.00	1.00	TR-2	.060	.06
			97953	151.50	152.50	1.00	TR-2	.100	.10
105.73	109.76	Felsic intrusive. Hard, mottled beige-pink and green at the contacts and mottled beige grey and green toward the center of the intrusion. This section is nonmagnetic. There are 5 to 10%, 2 mm to 5 mm in size chlorite porphyroblasts in a fine grained quartz feldspar groundmass. There is no reaction with HCl. There are trace, 5 mm to 2 cm wide, sugary textured quartz - carbonate - chlorite veins at random angles. There is nil to trace pyrite as fine blebs disseminated. Lower contact is sharp at 60 degrees to the core axis.							
125.50	154.23	Very fine grained to aphanitic. Massive flow. A sequence of moderately hard, medium greenish grey coloured, nonmagnetic, massive mafic volcanic. Mafic volcanics are strongly chloritic and moderately to strongly calcitic pervasively. There are trace to 2%, 2 to 5 mm quartz - carbonate filled fractures and a few odd, white grey coloured, 5 mm to 2 cm in size quartz veins at random angles. Those veinlets locally contain trace to 2% pyrite and magnetite as fine euhedral grains. In this section, there is trace pyrite as fine blebs, or euhedral grains disseminated. The sequence is uniform and massive. From 146 m to end of hole mafic volcanic intercalated with rare 5 cm to 10 cm wide, brecciated sections.							
154.23	END OF HOLE.								



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 37
Lab ID: 89N09-2x

Date: Nov. 09, 1989
Acct. No.: Exploration

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
				87372	0.07
				87383	0.04
				94	0.06
				95	0.13
				96	0.21
				97397	0.15
				98	0.13
				99	0.11
				987400	0.14/0.13
				01	0.09
				02	0.12
				03	0.10

SR-13

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 36
Lab ID: 89N12-1x

Date: Nov. 12, 1989
Acct. No.: Exploration

<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>
97373	0.04	97404	0.07		
74	0.09	05	0.04		
75	0.04	06	0.05		
76	0.14	07	0.14		
77	0.34	08	0.10		
78	0.04	09	0.05		
79	0.04	10	0.09/0.13		
80	0.08/0.10	11	0.11		
81	0.09	12	0.07		
82	0.03	13	0.05		
83	0.04	14	0.04		
84	0.05	15	0.04		
85	0.06	16	0.12		
86	0.04				
87	0.03				
88	0.11				
89	0.05				
90	0.08/0.10				
91	0.07				
92	0.04				

all SR-13

AWR

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 69
Lab ID: 89N14-1x

Date: Nov. 14, 1989
Acct. No.: Exploration

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
		97433	0.02		
		34	0.04		
		35	0.07		
		36	0.11		
		37	0.09		
		38	0.07		
		39	0.08		
		40	0.09/0.07		
		41	0.06		
		42	0.04		
		43	0.06		
		44	0.05		
		45	0.03		
		46	0.01		
		47	0.02		
		48	0.04		
		49	0.02		
		50	0.01/0.01		
		51	0.06		
		52	0.07		
		53	0.01		
		54	0.20		
		55	0.07		
		56	0.09		
		57	0.02		
		58	0.03		
		59	0.05		
		60	0.05/0.05		

SR-89-12

BR

Signed

BARRICK

AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 58
Lab ID: 89N15-1x

Date: Nov. 15, 1989
Acct. No.: Exploration

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
97461	0.13	97493	0.05		
62	0.13	94	0.04		
63	0.11	95	0.04		
64	0.08	96	0.06		
65	0.14	97	0.06		
66	0.15	98	0.06		
67	0.09	99	0.07		
68	0.05	97500	0.05/0.06		
69	0.16	97532	0.04		
70	0.03/0.03	33	0.05		
71	0.02	34	0.07		
72	0.02	35	0.06		
73	0.04	36	0.06		
74	0.04	37	0.07		
75	0.02	38	0.03		
76	0.04	39	0.06		
77	0.02	40	0.04/0.03		
78	0.06	41	0.02		
79	0.04	42	0.02		
80	0.06/0.06	43	0.03		
81	0.07	44	0.02		
82	0.06				
83	0.05				
84	0.07				
85	0.14				
86	0.04				
87	0.04				
88	0.06				
89	0.03				
90	0.04/0.04				
91	0.04				
92	0.05				

claim 750022
750021

SR-89-12


Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine

P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 79
Lab ID: 89N17-1x

Date: Nov. 17, 1989
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
				97417	0.04
				18	0.04
				19	0.03
				20	0.02/0.04
				21	0.03
				22	0.01
				23	0.01
				24	0.02
				25	0.04
				26	0.07
				27	0.06
				28	0.03
				29	0.04
				30	0.04/0.06
				31	0.03
				32	0.02
				97545	0.02
				46	0.02
				47	0.03
				48	0.05
				49	0.05
				50	0.05/0.06
				51	0.06
				52	0.05
				53	0.07
				54	0.04
				55	0.03
				56	0.07
				57	0.05
				58	0.09
				59	0.05
				60	0.05/0.05

SR-89-12

97561 0.04
52 0.06

SR-89-13

SR-89-12


Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 50 48
Lab ID: 89N30-1x

Date: Nov. 30, 1989
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
97563	0.08	97595	0.03		
64	0.08	96	0.06		
65	0.10	97	0.06		
66	0.15	98	0.08		
67	0.10	99	0.06		
68	0.08	97600	0.07/0.05		
69	0.07	01	0.05		
70	0.22/0.15	02	0.05		
71	0.05	03	0.05		
72	0.05	04	0.07		
73	0.15	05	0.06		
74	0.05	65493	0.05		- SR-89-12
75	0.14				
76	0.14				
77	0.13				
78	0.05				
79	0.04				
80	0.05/0.03				
81	0.05				
82	0.06				
83	0.16				
84	0.12				
85	0.12				
86	0.04				
87	0.06				
88	0.14				
89	0.19				
90	0.10/0.11				
91	0.14				
92	0.14				
93	0.05				
94	0.06				- SR-89-14

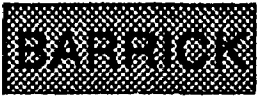
SR-89-14

Claim 250025
950022 (ashole 12)

SR-89-12

APR

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 84
Lab ID: 89D03-2x

Date: Dec. 03, 1989
Acct. No.: Exploration


SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
97606	0.11	97638	0.08		
07	0.10	39	0.03		
08	0.13	40	0.01/0.03		
09	0.10	41	0.25		
10	0.10/0.14	42	0.10		
11	0.09	43	0.12		
12	0.09	44	0.13		
13	0.05	45	0.11		
14	0.11	46	0.10		
15	0.16	47	0.10		
16	0.12	48	0.11		
17	0.07	49	0.16		
18	0.05	50	0.11/0.12		
19	0.07	51	0.12		
20	0.04/0.05	52	0.16		
21	0.03	53	0.11		
22	0.08	54	0.12		
23	0.08	55	0.12		
24	0.04	56	0.16		
25	0.01	57	0.12		
26	0.01	58	0.19		
27	0.02				
28	0.05				
29	0.03				
30	0.05/0.03				
31	0.04				
32	0.15				
33	0.09				
34	0.01				
35	0.03				
36	0.02				
37	0.06				

SR-89-14

SR-89-15

Claim. 950027
950031 (ashole 16)

SR-89-15

Signed 



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 64
Lab ID: 89D03-1x

Date: Dec. 03, 1989
Acct. No.: Exploration

	<u>SAMPLE</u>	g/t Au		<u>SAMPLE</u>	g/t Au		<u>SAMPLE</u>	g/t Au
	97659	0.26		97691	0.09			
SR-89-15	60	0.14/0.12		92	0.20			
	61	0.12		93	0.10			
	62	0.12		94	0.08			
	63	0.19		95	0.16			
	64	0.29		96	0.16			
	65	0.19		97	0.05			
	66	0.17		98	0.05			
	67	0.12		99	0.09			
	68	0.11		97700	0.04/0.08			
	69	0.66		01	0.05			
SR-89-16	70	0.10/0.12	SR-89-16	02	0.07			
	71	0.15		03	0.03			
	72	0.06		04	0.07			
	73	0.06		05	0.02			
	74	0.06		06	0.04			
	75	0.06		07	0.05			
	76	0.04		08	0.03			
	77	0.10		09	0.05			
	78	0.09		10	0.02/0.04			
	79	0.15		11	0.02			
	80	0.04/0.03		12	0.28			
	81	0.04		13	0.22			
	82	0.10		14	0.12			
	83	0.09		15	0.11			
	84	0.16		16	0.10			
	85	0.09						
	86	0.14						
	87	0.08						
	88	0.09						
	89	0.10						
90	0.08/0.08							

Signed _____

BARRICK

AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 96
Lab ID: 89D05-1x

Date: Dec. 05, 1989
Acct. No.: Exploration

<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>
				97714	no sample
				15	no sample
				16	no sample
				17	0.10
				18	0.06
				19	0.10
				20	0.12/0.11
				21	0.07
				22	0.12
				23	0.08
				24	0.09
				25	0.07
				26	0.11
				27	0.21
				28	0.10
				29	0.10
				30	0.12/0.14
				31	0.03
				32	0.04
				33	0.02
				34	0.08
				35	0.07
				36	0.07
				37	0.08
				38	0.03
				39	0.12
				40	0.08/0.04
				41	0.11

SR-89-16

DR

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 81
Lab ID: 89D08-2x

Date: Dec. 08, 1989
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
		97771	0.06	97X03 ⁹	0.09
		72	0.11	04	0.12
		73	0.05	05	0.05
97742	0.17	74	0.08	06	0.08
43	0.11	75	0.08	07	0.09
44	0.13	76	0.08	08	0.06
45	0.24	77	0.08	09	0.06
46	0.09	78	0.05	10	0.12/0.08
47	0.13	79	0.06	11	0.06
48	0.08	80	0.08/0.12	12	0.05
49	0.44	81	0.09		
50	0.08/0.06	97882	0.05		
51	0.07	83	0.05		
52	0.04	84	0.07		
53	0.06	85	0.06		
54	0.07	86	0.06		
55	0.24	87	0.10		
56	0.09	88	0.05		
57	0.05	89	0.09		
58	0.05	90	0.10/0.14		
59	0.02	91	0.10		
60	0.12/0.08	92	0.07		
61	0.10	93	0.05		
62	0.12	94	0.06		
63	0.12	95	0.14		
64	0.21	96	0.15		
65	0.09	97	0.12		
66	0.04	98	0.07		
67	0.06	99	0.14		
68	0.05	97900	0.13/0.16		
69	0.06	01	0.06		
70	0.13/0.19	02	0.11		

P.177 SR-17

SR-17

SR-18

SR-18

ATL

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 88
Lab ID: 89D11-2x

Date: Dec. 11, 1989
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
97913	0.07	97945	0.08	97782	0.13
14	0.07	46	0.08	83	0.05
15	0.09	47	0.11	84	0.05
16	0.05	48	0.07	85	0.05
17	0.05	49	0.07	86	0.11
18	0.14	50	0.05/0.06	87	0.07
19	0.08	51	0.06	88	0.04
20	0.05/0.05	52	0.06	89	0.04
21	0.20	53	0.10	90	0.06/0.09
22	0.13			91	0.12
23	0.11			92	0.06
24	0.12			93	0.09
25	0.28			94	0.12
26	0.25			95	0.08
27	0.17			96	0.07
28	0.15			97	0.06
29	0.67			98	0.11
30	0.24/0.18			99	0.15
31	0.11			97800	0.22/0.12
32	0.10			01	0.05
33	0.13			02	0.61
34	0.31			03	0.05
35	0.15			04	0.07
36	0.11			05	0.03
37	0.09			06	0.06
38	0.17			07	0.04
39	0.13			08	0.06
40	0.15/0.17			09	0.09
41	0.43			10	0.05/0.06
42	0.10			11	0.05
43	0.10			12	0.08
44	0.04			13	0.10

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SR-17

[Signature]

Signed



AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

Assay Certificate

No. of Determinations: 75
Lab ID: 89D11-1x

Date: Dec. 11, 1989
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
97814	0.05	97846	0.09	97878	0.05
15	0.06	47	0.08	79	0.13
16	0.06	48	0.06	80	0.04/0.03
17	0.05	49	0.27	81	0.05
18	0.07	50	0.07/0.07		
19	0.04	51	0.07		
20	0.05/0.05	52	0.05		
21	0.04	53	0.06		
22	0.05	54	0.06		
23	0.04	55	0.04		
24	0.04	56	0.05		
25	0.09	57	0.11		
26	0.04	58	0.04		
27	0.04	59	0.06		
28	0.08	60	0.07/0.10		
29	0.36	61	0.12		
30	0.02/0.05	62	0.03		
31	0.06	63	0.05		
32	0.01	64	0.06		
33	0.04	65	0.04		
34	0.02	66	0.05		
35	0.01	67	0.04		
36	0.02	68	0.06		
37	0.23	69	0.03		
38	0.08	70	0.05/0.03		
39	0.14	71	0.04		
40	0.11/0.12	72	0.04		
41	0.11	73	0.06		
42	0.08	74	0.07		
43	0.07	75	0.06		
44	0.06	76	0.01		
45	0.05	77	0.02		

SR-17

SR-18

SR-18

SR-18

Signed



DOCUMENT No. W9006.60274



42B01NE0085 2.13263 PENHORWOOD

Report of Work (Expenditures, Subsection 77(19))
Mining Act

Type of Work Performed 77-19 Assaying Drill Core	Mining Division Porcupine	Township or Area Penhorwood Township
Recorded Holder American Barrick Resources Corporation, Exploration Division	Prospector's Licence No. T-834	
Address P.O. Box 1203, Kirkland Lake, Ontario P2N 3M7	Optionee of Record	Telephone No. (705)567-4941
Work Performed By American Barrick Resources, Assay Lab Holt-McDermott Mine		
Name and Address of Author (of Submission) Dale R. Alexander, c/o American Barrick, Kirkland Lake		Date When Work was Performed From: 09 Day, 11 Mo, 89 To: 11 Day, 12 Mo, 89

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 P.950022	No. of Days 45	Mining Claim P.950021	No. of Days 81	Mining Claim P.950025	No. of Days 2.5	Mining Claim P.950027	No. of Days 9
Mining Claim P.950031	No. of Days 49.5	Mining Claim P.639978	No. of Days 50	Mining Claim P.924167	No. of Days 44	Mining Claim P.924168	No. of Days 22.5		
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

Instructions: Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits	Total Expenditures	Total Days Credits	Total Number of Mining Claims Covered by this Report of Work
	\$ 4552.50	÷ 15 = 303.5	12

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P.	924165	40	P.	924173	40						
	924166	40		924174	40						
	924167	20		924175	20						
	924168	20		924176	3.5						
	924169	20									
	924170	20									
	924171	20									
	924172	20									

RECEIVED
APR 26 1990

MINING LANDS SECTION

Total Number of Days Performed 303.5	Total Number of Days Claimed 303.5	Total Number of Days to be Claimed at a Future Date _____
---	---------------------------------------	--

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: Mar. 22/90
Recorded Holder or Agent (Signature): Dale R. Alexander

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
Dale R. Alexander, c/o American Barrick Resources, Exploration Division
Kirkland Lake, Ontario ASSESSMENT (705)567-4941 OFFICE

Date: Mar 22/90
Certified By (Signature): Dale R. Alexander

For Office Use Only

JUN 1 1990

303.5

Total Days Cr. Recorded: 303.5
Date Recorded: MAR. 23/90
Date Approved as Recorded: 31 May 90

Mining Recorder RECEIVED
Provincial Manager, Mining Lands

RECORDED
MAR 23 1990

REFERENCE

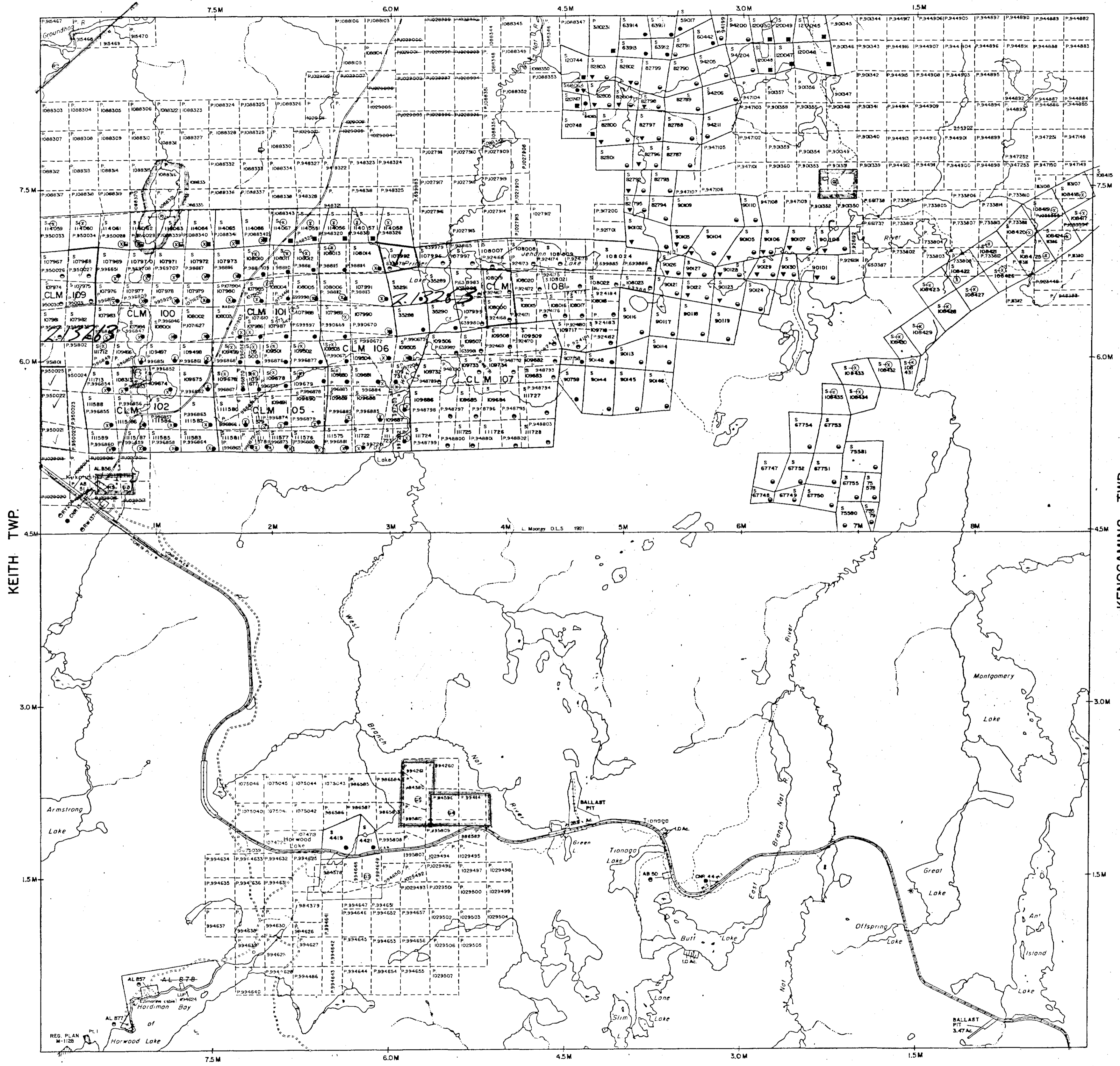
AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS
- | Description | Order No. | Date | Disposition | File |
|---|-----------|---------|-------------|-----------|
| 400 RESERVE | | | S. R. O. | 35537 |
| SEC 43/70 | W 3072 | 27/2/72 | S. R. O. | M35006 V2 |
| SEC 34/80 | W 17/81 | 1/7/81 | S. R. O. | 35537 |
| ORDER OF THE MINISTER #33/87 DATED MARCH 30/87 WITHDRAWS MINING AND SURFACE RIGHTS UNDER SECTION 36 OF THE MINING ACT R.S.O. 1980 | | | | |

SAND AND GRAVEL

- | | | |
|---|------|----------|
| GRAVEL | FILE | 38729 |
| GRAVEL PIT | FILE | 3555 V.6 |
| GRAVEL | FILE | 105274 |
| QUARRY PERMIT #22805 ISSUED FOR THE REMOVAL OF THE QUARTZ JULY 1987. | | |
| QUARRY PERMIT # 22808 ISSUED FOR THE REMOVAL OF QUARTZ SEPT. 10, 1987 | | |
| CANCELLED PATENT AND LEASED CLAIMS | | |

REEVES TWP.

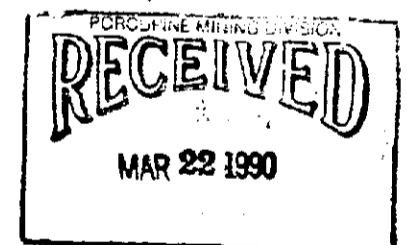
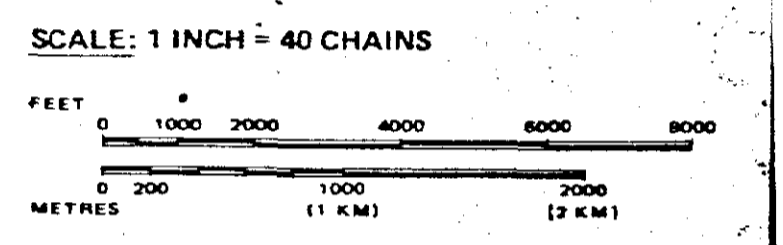


LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES: TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES: LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

- | TYPE OF DOCUMENT | SYMBOL |
|---------------------------------|--------|
| PATENT, SURFACE & MINING RIGHTS | ● |
| " SURFACE RIGHTS ONLY | ○ |
| " MINING RIGHTS ONLY | ◐ |
| LEASE, SURFACE & MINING RIGHTS | ■ |
| " SURFACE RIGHTS ONLY | ◼ |
| " MINING RIGHTS ONLY | ◻ |
| LICENCE OF OCCUPATION | ▽ |
| ORDER-IN-COUNCIL | OC |
| RESERVATION | ⊙ |
| CANCELLED | ⊖ |
| SAND & GRAVEL | ⊕ |
| LAND USE PERMIT | * |
- NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



ACTIVATED JANUARY 30, 1990.

TOWNSHIP
PENHORWOOD
 M.N.R. ADMINISTRATIVE DISTRICT
 CHAPLEAU
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 SUDBURY

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date MARCH 1985
 Number **G-3244**

