



32005NW0361 72 HARKER

010

DIAMOND DRILLING

TOWNSHIP: HARKER

REPORT NO: 72

WORK PERFORMED FOR: AMERICAN BARRICK RESOURCES CORP.

RECORDED HOLDER: SAME AS ABOVE [ ]

: OTHER [X] WALTER ALLEN FOSTER

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L738087	MC.88-456	311.2 m	June/88	(1)
	MC.88-457	306.9 m	June-July/88	"
738086	MC.89.478	320.4 m	March/89	"
738088 + 738089	MC.89-479	243.84 m	"	"
738561	MC.89-480	380.08 m	"	"
738091	MC.89-481	295.96 m	Mar-Apr/89	"
738087	MC.89-482	288.65 m	Apr/89	"
738561	MC.89-483	255.12 m	"	"
738091	MC.89-484	304.8 m	"	"

2706.95<sub>m</sub>

NOTES:

(1) W9280.00075

AMERICAN BARRICK RESOURCES CORPORATION

Property: Foster Harley  
 Township: Harker  
 Claim: L-738087  
 NTS: 320/5

DIAMOND DRILL RECORD

Hole #: MC.88-456

Survey Co-ords: 3650.7 8040.2  
 Cut-Grid Co-ords: L28+00E19+00S  
 Section: 3650  
 Elevation: 5013.0  
 Measurement: Metric

Date Logged: June 1988  
 Logged by: N. Downey  
 Signature: *[Handwritten Signature]*

Azimuth: 3.5  
 Dip: -60.0  
 Length: 311.2

Contractor: Philippon  
 Core Size: BQ  
 Date Started: June 15, 1988  
 Date Completed: June 22, 1988

Core Stored At: Holt-McDermott  
 Comments:

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-58.5	182.88		-58.5	310.90		-60.0
91.44		-58.5	228.60		-58.0			
137.16		-59.0	274.32		-60.0			

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

.00 35.97 CASING.  
 35.97 42.52 Mafic intrusive.  
 42.52 55.35 BASALT.  
 55.35 55.75 FAULT ZONE.  
 55.75 70.63 Mafic intrusive.  
 70.63 75.40 BASALT.  
 75.40 77.56 FAULT ZONE.  
 77.56 84.10 Mafic intrusive.  
 84.10 133.35 BASALT.  
 133.35 139.36 Mafic intrusive.  
 139.36 182.72 BASALT.  
 182.72 187.67 FOLIATED BASALT.  
 187.67 252.85 BASALT.  
 252.85 254.64 40% SILICIFIED - MAG.  
 254.64 311.20 HIGH MAG BASALT.  
 311.20 END OF HOLE.

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

.00 35.97 CASING

35.97 42.52 MAFIC INTRUSIVE

47380 40.52 41.52 1.00 TR .000 nil  
47381 41.52 42.52 1.00 TR .000 nil

Fine grained dark grey green to brown grey massive rock. Strongly magnetic. Dark grain chlorite fracture filling common. Pervasive carbonate alteration noted at base. Grain boundaries are ground. No ankerite.

42.52 55.35 BASALT

47382 42.52 43.52 1.00 TR .000 nil  
47383 43.52 44.52 1.00 TR .000 nil  
47384 44.52 45.52 1.00 TR .000 nil  
47385 45.52 46.52 1.00 TR .000 nil  
47386 46.52 47.52 1.00 TR .000 nil  
47387 47.52 48.52 1.00 TR .000 nil  
47388 48.52 49.52 1.00 TR .000 nil  
47389 49.52 50.52 1.00 TR .000 nil  
47390 50.52 51.52 1.00 TR .000 nil  
47391 51.52 52.52 1.00 TR .000 nil  
47392 52.52 53.52 1.00 TR .000 nil  
47393 53.52 54.52 1.00 TR .000 nil  
47394 54.52 55.35 .83 TR .000 nil

Green nonmagnetic flow. Flow breccia gradeds down section to pillowed flow. Carbonate filled fractures are intense at top decreasing down section. Chloritic slips are common. Traces pyrite.

42.52 43.00 CARBONATE-QUARTZ VEIN with open vugs. Abundant wallrock. From 42.85 to 43.0 m strongly foliated at 40 degrees to the core axis. Hematite fracture filling common.

43.00 48.25 Flow breccia. 20% carbonate filled fractures and stringers often with hematite. Hyaloclastite noted locally in matrix. Abundant chloritic slips at 15 to 30 degrees to the core axis as at 44.01, 45.5, 45.76 and 48.0 m.

48.25 55.35 Green fine grained pillowed flow. Selvages often contain hyaloclastite. Carbonate filled fractures less common, increasing at base. Chloritic slips increase at base. Carbonate alteration becoming intense at base  
54.20 54.25 Chloritic slips.

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

55.35 55.75 FAULT ZONE

47395 55.35 56.30 .95 TR .000 nil

Red to green intensely foliated zone. Clay seam parallel to foliation at 18 degrees to the core axis. Abundant hematite occurs with carbonate stringers. Trace pyrite.

55.75 70.63 MAFIC INTRUSIVE

47396 56.30 57.30 1.00 TR .000 nil  
 47397 57.30 58.30 1.00 TR .000 nil  
 47398 58.30 59.30 1.00 TR .110 .11  
 47399 59.30 60.30 1.00 TR .050 .05  
 47400 60.30 61.30 1.00 TR .000 nil  
 47401 61.30 62.30 1.00 TR .000 nil  
 47402 62.30 63.30 1.00 TR .000 nil  
 47403 63.30 64.30 1.00 TR .030 .03  
 47404 64.30 65.30 1.00 TR .220 .22  
 47405 65.30 66.30 1.00 TR .000 nil  
 47406 66.30 67.40 1.10 TR .000 nil  
 47407 67.40 68.50 1.10 TR .000 nil  
 47408 68.50 69.50 1.00 TR .020 .02  
 47409 69.50 70.63 1.13 TR .000 nil

Fine grained brown green to grey-green intrusive rock. Mafic syenite to monzonite. Grain contacts are ground. Numerous clay slips. 20% carbonate fracture fillings and stringers often with hematite. Pervasive carbonate alteration. Locally nonmagnetic. Inclusions of basalt occur locally.

61.50 61.87 FAULT ZONE. Blocky, highly fractured core. Clay-grit seam 15 degrees to the core axis.

64.75 64.82 FAULT ZONE. Chloritic slips 10-20 degrees to the core axis.

65.30 66.30 Fault plane. Chloritic slips parallel to core axis.

69.15 69.16 Clay-grit seam at 30 degrees to the core axis

70.63 75.40 BASALT

47410 70.63 71.60 .97 TR .039 .04  
 47411 71.60 72.60 1.00 TR .000 nil  
 47412 72.60 73.60 1.00 TR .000 nil  
 47413 73.60 74.60 1.00 TR .000 nil  
 47414 74.60 75.40 .80 TR .000 nil

Very fine grained to fine grained green massive flow. 15% Carbonate stringers and veinlets. Minor pyrite and chalcopyrite. Abundant specular hematite occurs with carbonate stringers.

74.60 75.40 Chloritic fault planes parallel core axis. Possible hyaloclastite.

75.40 77.56 FAULT ZONE

47415 75.40 76.50 1.10 TR .000 nil  
 47416 76.50 77.56 1.06 TR .011 .01

Blocky, highly fractured core. Clay seams at 25 to 40 degrees to the core axis, 30 degrees is most common. Rock is foliated at 30 degrees to the core axis. Zone is fault gouge anealed with carbonate. Brecciated quartz vein material noted locally. Traces pyrite and

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

chalcopyrite, abundant specular hematite. Becoming massive locally. Nonmagnetic. Pervasive carbonate alteration. 30% lost core.

77.56 84.10 MAFIC INTRUSIVE

47417 77.56 78.56 1.00 TR .010 .01

Fine grained dark green massive rock. Strongly magnetic. Intense pervasive carbonate alteration. Numerous chloritic slips make core blocky and highly fractured. Only minor carbonate stringers. Base is quartz-carbonate veinlets.  
77.56 84.10 Blocky, highly fractured core.

84.10 133.35 BASALT

47418 99.23 100.23 1.00 TR .000 nil  
47419 100.23 101.30 1.07 TR-1 .150 .14  
47420 101.30 102.45 1.15 TR-1 .080 .07  
47421 102.45 103.60 1.15 TR .000 nil  
47422 103.60 104.62 1.02 TR .000 nil  
47423 112.60 113.60 1.00 TR .030 .03  
47424 113.60 114.60 1.00 TR-1 .000 nil  
47425 114.60 115.60 1.00 TR .000 nil

A series of massive to pillowed flows. Rare white feldspar megacrysts occur locally. Numerous narrow mafic intrusives occur at the top of section.

84.10 86.89 Glomeroporphyritic. Green nonmagnetic rock. Rare carbonate fracture fillings. Narrow bands of very fine grained mafic intrusive occur locally, the largest from 84.8 to 84.95 m. Rare white feldspar phenocrysts up to 10 mm occur locally.

86.89 87.82 Mafic intrusive. Green fine grained massive intrusive. Sharp chilled contacts. Pervasive carbonate alteration. Nonmagnetic. Green chloritic mafic phenocrysts up to 1.5 mm. Pink feldspar phenocrysts up to 1.5 mm noted locally.

87.82 90.25 Glomeroporphyritic fine grained green massive flow. Rare white feldspar phenocrysts up to 15 mm. Nonmagnetic. Rare carbonate fracture fillings often with epidote. Narrow mafic intrusives noted locally.

90.25 90.71 MAFIC SYENITE. Fine grained green massive intrusive. Sharp chilled contacts. White feldspar phenocrysts up to 2 mm common. Minor pyrite. Nonmagnetic. Weak carbonate alteration.

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

90.71 98.07 Glomeroporphyritic. Fine grained to very fine grained green massive flow. White feldspar phenocrysts up to 20 mm are common. Minor carbonate-quartz fracture fillings.

98.07 100.23 Pillowed flow. Very fine grained to aphanitic green rock with well developed selvages often with carbonate - quartz veining. Minor epidotization.

100.23 103.60 Pervasive carbonate alteration. Fine grained green massive flow. Nonmagnetic. Intense pervasive carbonate alteration. 20% carbonate stringers and veinlets, minor quartz. Trace pyrite. No selvages noted.

103.60 109.58 Fine grained massive flow. Green fine grained nonmagnetic massive rock. Only rare carbonate - quartz filled fractures. Rare white feldspar phenocrysts up to 10 mm noted locally. Gradational lower contact

109.58 133.35 Pillowed flow. Very fine grained flow. Nonmagnetic. Rare carbonate - quartz filled fractures. Local epidotization. Selvages often contain quartz, carbonate and pyrite. Pillows are up to 1.5 m. Limonite noted on fractures at 113.50 m. Rare white feldspar megacrysts up to 25 mm noted locally, base is clay slip 30 degrees to the core axis.

133.35 139.36 MAFIC INTRUSIVE

Fine grained to very fine grained massive intrusive. Black chloritic phenocrysts up to 1.0 mm are common. Sharp chilled contacts. Top is at a sheared quartz - carbonate vein at 30 degrees to the core axis from 133.35 to 133.50 m. Rare quartz stringers with epidote noted occur locally.

139.36 182.72 BASALT

47426 140.13 141.13 1.00 TR .010 .01

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From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			47427	141.13	142.00	.87	TR-1	.104	.12
		Fine grained massive flows with finer grained pillowed flow sections. Local 2 feet of carbonate alteration.	47428	142.00	143.00	1.00	TR-1	.050	.05
		Minor felsic and mafic intrusives.	47429	143.00	143.56	.56	TR	.000	nil
139.36	141.13	Pillowed flow. Green, very fine grained. Selvages poorly developed, often filled with carbonate quartz.	47430	143.56	144.56	1.00	TR	.010	.01
			47431	181.72	182.72	1.00	TR	.030	.03
141.13	143.56	Pervasive carbonate alteration. Foliated zone of intense carbonate alteration. Zones of most intense carbonate alteration are finely brecciated. Weak grey silicification accompanies carbonate alteration locally. Strongly magnetic. Trace -1% pyrite. Top contact is a selvage. Base of zone is pillowed flow.							
143.56	158.65	Pillowed flow. Very fine grained, green flow. Selvages are well developed. Often filled with quartz and carbonate. Only minor pyrite. Carbonate - quartz-filled fractures common, decreasing down section. Rare white feldspar megacrysts up to 17 mm noted locally.							
158.65	161.03	Fine grained massive flow. Green nonmagnetic rock. Megacrysts up to 8 mm. Rare carbonate - quartz filled fractures often with epidote.							
161.03	161.52	Felsic intrusive. Grey fine grained massive intrusive. Sharp chilled contacts. White feldspar phenocrysts up to 2 mm are abundant. Black chloritic blebs up to 2 mm are less abundant.							
161.52	167.30	Fine grained massive flow. Grey-green glomeroporphyritic flow. Feldspar megacrysts up to 15 mm are rare. Black chloritic blebs up to 2 mm are common. Minor carbonate - quartz filled fractures with epidote.							
167.30	173.20	Medium to coarse grained massive flow. Grain size increases down section. Leucoxene becomes abundant at base. Mafics up to 4 mm. Lower contact is chloritic slip at 20 degrees to the core axis. Minor epidotized zones up to 0.2 m. Feldspar megacrysts up to 30 mm are often epidotized							
173.20	180.31	Mafic intrusive. Fine grained green weakly							

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

magnetic massive rock. Sharp chloritized contacts. Almost no carbonate - quartz filled fractures.

180.31 182.72 Medium grained massive flow. Continuation of overlying medium to coarse grained massive flow. Grain size decreases down section. Feldspar megacrysts up to 20 mm are epidotized. Pervasively carbonatized increasing down section. Abundant leucoxene. Base is foliated at 37 degrees to the core axis.

182.72 187.67 FOLIATED BASALT

47432	182.72	183.72	1.00	TR	.030	.03
47433	183.72	184.72	1.00	TR	.100	.10
47434	184.72	185.72	1.00	TR	.040	.04
47435	185.72	186.72	1.00	TR	.030	.03
47436	186.72	187.67	.95	TR	.000	nil

Green fine grained strongly foliated rock. Top is overlying massive flow, base is underlying pillowed flow. Intense carbonate - quartz filled fractures. Carbonate locally replaces foliation. Leucoxene is abundant in top of zone. Quartz - carbonate veinlets occur parallel to foliation. No fault gouge, but chloritic slips are common. Trace pyrite. Gradational contacts. Pervasive carbonatization is locally intense. Foliation at 35 degrees to the core axis.

187.67 252.85 BASALT

47437	187.67	188.57	.90	TR	.036	.04
47438	208.88	209.98	1.10	TR	.000	nil
47439	209.98	210.98	1.00	TR-1	.000	nil
47440	252.07	252.85	.78	TR	.000	nil

Pillowed flow with fine grained massive sections. Flow tops are well developed. Minor silicification occurs locally at flow contact zones.

187.67 209.88 Pillowed flow. Very fine grained green basalt. Well developed. Selvages often contain quartz and carbonate. Epidotization is common. Nonmagnetic.

197.80 197.95 Ground core, possible fault gouge. Foliation 48 degrees to the core axis.

209.98 210.76 20% SILICIFIED. Zone of quartz stringers. A narrow grey silicified breccia extends from 210.49 to 210.76. Contains chloritic slips.

210.76 218.81 Pillowed flow. Very fine grained green basalt. Well developed selvages.



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

Epidotization is common. Rare feldspar megacrysts up to 15 mm.

218.81 231.70 Flow breccia. Pillowed flow breccia. Intense epidotization. Carbonate-quartz common in matrix. Minor pyrite. Hyaloclastite noted locally in matrix. Grades down section to massive flow.

231.70 252.85 Fine to medium grained massive flow. Dark green, abundant epidotization as fracture filling and narrow alteration zones. Minor quartz - carbonate veinlets. Well developed fishnet texture. Fines at base.

252.85 254.64 40% SILICIFIED - MAG

47441 252.85 253.75 .90 2-3 .081 .09  
47442 253.75 254.64 .89 2-3 2.056 2.31

Very fine grained green flow top with 40% grey to purple grey quartz carbonate injection zones. Strongly magnetic. 2-3% pyrite. Late quartz stringers are common. Chilled flow breccia fragments noted.

254.64 311.20 HIGH MAG BASALT

47443 254.64 255.64 1.00 1 .070 .07  
47444 255.64 256.64 1.00 1 .010 .01  
47445 256.64 257.64 1.00 1-2 .020 .02  
47446 269.80 270.81 1.01 1 .000 nil  
47447 270.81 271.75 .94 TR-1 .028 .03  
47448 271.75 272.75 1.00 TR-1 .000 nil  
47449 272.75 273.75 1.00 TR-1 .000 nil  
47450 273.75 274.75 1.00 TR-1 .000 nil  
47451 274.75 275.75 1.00 1 .000 nil  
47452 275.75 276.86 1.11 TR-1 .000 nil  
47453 276.86 277.86 1.00 TR .000 nil

Vesicular flow tops grade down section to fine to medium grained massive flow cores. Rocks are strongly magnetic. Numerous syenitic intrusives cut section.

254.64 262.60 Vesicular flow. Dark green fine grained to very fine grained flow. Vesicles are well developed, often filled with pyrrhotite and pyrite. Pyrrhotite fracture filling common. Epidotization common decreasing down section. Strongly magnetic. Rare carbonate - quartz filled fractures.

262.60 269.80 Fine grained massive flow. Dark green locally vesicular rock. White carbonate filled tension fractures common. Moderately to strongly magnetic.

269.80 270.00 MONZONITE. Brown grey very fine grained intrusive. Sharp contacts. Quartz - carbonate stringer at top. Base is chloritic slip at 20 degrees to the core

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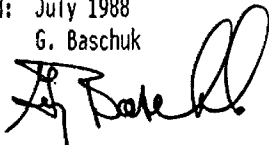
From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		axis.							
270.00	270.82	FOLIATED BASALT. Fine grained dark green strongly foliated rock. 1% pyrite occurs as blebs and fracture fillings parallel to foliation.							
270.82	271.75	Syenite. Fine grained red felsic intrusive. Sharp contacts. Top is quartz veinlet. Trace -1% pyrite. Chloritic mafic phenocrysts up to 2 mm.							
	271.18	Chloritic slip 28 degrees to the core axis.							
271.75	276.36	Fine grained massive flow. Dark green strongly magnetic rock. Numerous chloritic slips. Narrow bands of syenite are common. Locally foliated. Grain size increases at base.							
	274.75	275.20 Foliated zone with syenite and quartz. 1-2% fine pyrite. Foliation at 60 degrees to the core axis. Fine leucoxene parallel to foliation.							
276.36	275.86	Syenite. Fine grained pink massive intrusive. Sharp chilled contacts. Nonmagnetic. 1-2% fine disseminated pyrite.							
275.86	311.20	Medium grained massive flow. Green magnetic rock. Minor epidotized fractures. Fine leucoxene noted locally. Minor quartz-carbonate stringers and fracture fillings. Grain size increases down section. Locally coarse grained.							
	302.60	311.20 Numerous chloritic slips locally with limonite. Fault planes are 20-30 degrees to the core axis and less commonly 70-80 degrees to the core axis.							
311.20		END OF HOLE.							

Property: Foster-Harley  
 Township: Harker  
 Claim: L-738087  
 NTS: 32D/5

DIAMOND DRILL RECORD

Hole #: MC.88-457

Survey Co-ords: 3713.3 8229.5  
 Cut-Grid Co-ords: L28+00E17+00S  
 Section: L28+00E  
 Elevation: 5013.0  
 Measurement: Metric

Date Logged: July 1988  
 Logged by: G. Baschuk  
 Signature: 

Azimuth: 359.8  
 Dip: -60.0  
 Length: 306.9

Contractor: Philippon  
 Core Size: BQ  
 Date Started: June 22, 1988  
 Date Completed: July 4, 1988

Core Stored At: Holt-McDermott  
 Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-56.5	182.88		-54.0	306.93		-51.5
91.44		-56.5	228.60		-52.5			
137.16		-56.5	274.32		-52.0			

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

.00 51.82 CASING.  
 51.82 179.26 HIGH MAG BASALT.  
 179.26 181.47 90% SILICIFIED - MAG.  
 181.47 183.50 Mafic intrusive.  
 183.50 187.95 60% SILICIFIED - MAG.  
 187.95 208.63 HIGH MAG BASALT.  
 208.63 211.31 10% SILICIFIED - MAG.  
 211.31 233.78 HIGH MAG BASALT.  
 233.78 261.84 FOLIATED BASALT- MAG.  
 261.84 261.85 Clay-grit seam.  
 261.85 262.92 FOLIATED BASALT.  
 262.92 263.35 60% SILICIFIED - MAG.  
 263.35 266.20 VARIABLY SILICIFIED MAG BASALT.  
 266.20 285.08 HIGH MAG BASALT.  
 285.08 286.31 20% SILICIFIED - MAG.  
 286.31 286.79 40% SILICIFIED - MAG.  
 286.79 288.46 VARIABLY SILICIFIED MAG BASALT.  
 288.46 296.65 FOLIATED BASALT- MAG.  
 296.65 306.93 HIGH MAG BASALT.  
  
 306.93 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	51.82	CASING							
51.82	179.26	HIGH MAG BASALT							
			47454	53.82	54.49	.67	TR-1	.000	nil
			47455	59.96	60.37	.41	1-2	.000	nil
51.82	57.15	Fine grained massive flow. Green flow with localized medium grained sediments. Upper 0.6 m is highly carbonatized with ankerite. Traces pyrite noted locally, generally in groundmass as fine crystals. Narrow section from 53.82 to 54.49 m contains trace to 1% pyrite and 5% carbonate - quartz stringers at 38 degrees to the core axis. The entire section is highly fractured and often with ground core.	47456	79.52	80.52	1.00	TR	.000	nil
			47457	80.52	81.52	1.00	TR-1	.020	.02
			47458	81.52	82.52	1.00	TR	.000	nil
			47459	108.71	109.55	.84	TR	.000	nil
			47460	112.50	113.00	.50	TR	.000	nil
			47461	115.64	116.33	.69	TR	.028	.04
			47462	137.16	138.16	1.00	TR-1	.000	nil
			47463	138.16	139.16	1.00	1	.000	nil
			47464	139.16	139.66	.50	TR	.000	nil
			47465	142.27	143.27	1.00	TR-1	.000	nil
			47466	143.27	143.68	.41	1	.004	.01
57.15	61.10	Flow breccia. Fine grained, mottled basalt with rare carbonate filled amygdules and minor brecciation. The rocks are green with the brecciation poorly developed, possibly pillowed. The section is highly fractured and locally ground.	47467	143.68	144.16	.48	TR-1	.000	nil
			47468	144.16	144.53	.37	1	.000	nil
			47469	144.53	145.53	1.00	TR	.020	.02
			47470	151.40	152.40	1.00	TR-1	.000	nil
			47471	152.40	153.40	1.00	TR	.000	nil
			47472	153.40	154.40	1.00	TR	.000	nil
59.96	60.37	Mafic intrusive. Pale green, carbonatized, nonmagnetic intrusive containing 1 to 2% finely disseminated pyrite throughout. Contacts are sharp at 41 and 44 degrees to the core axis.	47473	154.40	155.40	1.00	TR-1	.000	nil
			47474	155.40	156.40	1.00	TR-1	.030	.03
			47475	156.40	157.40	1.00	TR-1	.000	nil
			47476	157.40	158.40	1.00	TR	.050	.05
			47477	158.40	159.40	1.00	TR-1	.000	nil
			47478	159.40	160.40	1.00	TR	.000	nil
61.10	74.13	Fine to medium grained massive flow. Green, moderately to strongly magnetic with clots of magnetite noted throughout. The rocks become fine grained to very fine grained at lower contact with minor flow bottom brecciation.	47479	160.40	161.40	1.00	TR	.000	nil
			47480	161.40	162.40	1.00	TR	.000	nil
			47481	162.40	163.40	1.00	TR	.040	.04
			47482	163.40	164.40	1.00	TR-1	.010	.01
			47483	164.40	165.40	1.00	TR-1	.040	.04
			47484	175.10	176.10	1.00	1	.150	.15
66.94	66.95	Clay-grit seam at 22 degrees to the core axis	47485	176.10	177.10	1.00	TR-1	.050	.05
69.33	69.83	SYENITE. Porphyritic. Pinkish-grey intrusive with 10% white to pale yellow feldspar phenocrysts averaging 2 mm across. Sharp contacts at 45 and 53 degrees to the core	47486	177.10	178.10	1.00	TR-1	.515	.51
			47487	178.10	179.26	1.16	TR-1	.012	.01

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		axis. 1% disseminated pyrite throughout. Nonmagnetic and highly carbonatized.						
71.18	72.12	MAFIC SYENITE. Medium grained, green with pink and white feldspar crystals. Noncarbonatized and strongly magnetic. Sharp contacts at 47 and 60 degrees to the core axis. Minor assimilation at lower contact.						
74.13	81.52	Flow top. Ropey, dark green top with abundant epidote in matrix, rarely quartz. Numerous narrow mafic syenites noted in upper 3 m. Rocks are strongly magnetic and become amygdular near base with brecciation decreasing. Rare quartz stringers noted in lower 1 m containing traces of pyrite.						
81.52	122.78	Fine grained massive flow. Green to dark green, moderately to strongly magnetic. 1 to 2% quartz +/- carbonate stringers noted. Amygdular top. From 96.50 to 97.00 m minor flow brecciation is noted with carbonate - hematite injection breccia. Below 116.3 m, the rocks become medium grained, locally with fish-net texture, then grain size decreases to fine grained at lower contact. Minor flow bottom brecciation at base.						
108.71	109.55	Altered section with red hematite in groundmass and fracture fillings. Traces pyrite.						
112.85		Carbonate shear at 40 degrees to the core axis with 1% pyrite.						
116.10		Shear with quartz - carbonate stringers at 48 degrees to the core axis. Traces pyrite. Leucoxene developed in adjacent basalts.						
122.78	125.33	Flow top breccia. Aphanitic, siliceous dark green magnetic basalt with minor hyaloclastite and brecciation noted at top. Brecciation decreases intensity down section. Localized carbonate stringers with specular hematite noted.						
125.33	137.16	Very fine grained massive flow. Dark green siliceous aphanitic flow increasing grain size down section to medium grained at 134.50 m. Aphanitic at lower contact.						
137.16	139.66	Flow top breccia. Aphanitic to very fine grained, dark green becoming green down section with weak silicification and foliation. Rare syenites noted up to 10 cm						

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

in width. Alteration adjacent to intrusives

139.66 140.35 MAFIC SYENITE. Fine grained, green red. Highly carbonatized and weakly magnetic. Upper contact sharp at 13 degrees to the core axis, lower at 27 degrees to the core axis.

140.35 151.40 Fine grained massive flow. Green to locally dark green with minor brecciation often with epidote. Below 147.5 m, no brecciation noted.

143.28 143.68 SYENITE. Pink to buff in colour, pervasively carbonatized, nonmagnetic, containing 1% finely disseminated pyrite. Contacts at 43 and 65 degrees to the core axis.

144.16 144.53 SYENITE as described above from 143.28 to 143.68 m.

151.40 165.40 Fine grained massive flow. Continuation of the above unit with an increase in carbonate and quartz stringers and fracture fillings. The stringers and fracture fillings average 5% of the unit, dominantly at 30 to 45 degrees to the core axis and 75 degrees to the core axis. 1% pyrite +/- chalcopyrite noted in stringers.

165.40 179.26 Fine grained massive flow. Continuation of above with decreased stringer content. The rocks are generally green to locally dark green and locally medium grained. From 175.10 to 179.26 m the rocks are locally weakly silicified containing 1% finely disseminated pyrite and the grain size is fine grained. The lower contact is relatively sharp. Quartz stringers noted at 175.3 m at 40 degrees to the core axis.

178.56 178.98 MAFIC SYENITE. Medium grained, dark green to green intrusive with red hue. Weakly carbonatized and weakly magnetic.

179.26 181.47 90% SILICIFIED - MAG

47488	179.26	180.26	1.00	TR	.150	.15
47489	180.26	180.90	.64	TR-1	.000	nil
47490	180.90	181.47	.57	TR-1	.011	.02

179.26 181.47 Hyaloclastite. Dark purple silicified or siliceous flow top with white hyaloclastite and minor chloritic patches.

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
<p>Pyrite content averages trace with localized chloritic sections up to 1 to 2% as a fine dissemination and in fracture fillings. Carbonate fracture fillings are common throughout.</p>								
<p>181.47 183.50 MAFIC INTRUSIVE</p>								
			47491	181.47	182.50	1.03 TR-1	.051	.05
			47492	182.50	183.50	1.00 TR	.040	.04
<p>Fine grained, green to dark green, nonmagnetic, strongly pervasively carbonatized intrusive. 5 to 10% late stage carbonate stringers cut section at 10 to 30 degrees to the core axis. Traces pyrite noted locally.</p>								
<p>183.50 187.95 60% SILICIFIED - MAG</p>								
			47493	183.50	184.50	1.00 1	.040	.04
			47494	184.50	185.50	1.00 TR-1	.095	.09
			47495	185.50	186.50	1.00 TR-1	.090	.09
			47496	186.50	187.25	.75 TR-1	.022	.03
			47497	187.25	187.95	.70 TR	.084	.12
<p>Variolitic and amygdular, fine grained, dark purple to dark green basalt with weak foliation developed. The silicification is restricted to variolites, amygdules and purple host basalt. Pyrite content averages trace to 1%. Variolites are up to 1 cm diameter. Strongly magnetic throughout. Foliation at 44 degrees to the core axis at 187.7 m.</p>								
<p>187.95 208.63 HIGH MAG BASALT</p>								
			47498	187.95	188.95	1.00 TR	.070	.07
			47499	199.00	199.86	.86 TR	.009	.01
187.95	199.86	Fine grained massive flow. Green to dark green with amygdular top. White carbonate veinlet noted from 189.00 to 189.10 m at 50 degrees to the core axis containing traces of chalcopyrite.	47500	199.86	200.56	.70 1	.056	.08
			47501	200.56	201.16	.60 1	.018	.03
			47502	201.16	202.16	1.00 TR-1	.040	.04
			47503	207.63	208.63	1.00 TR	.020	.02
199.86	201.16	Weakly sheared section with 20% carbonate stringers, rarely with quartz. Sulphides average 1%, dominantly chalcopyrite with traces of pyrite. Foliation at 200 m at 32 degrees to the core axis.						
201.16	208.63	Fine grained massive flow. Dark green to purple locally exhibiting a hematitic streak. 2 to 3% late stage carbonate						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		stringers cut unit. Traces pyrite.							
203.61	204.20	MAFIC SYENITE. Fine grained, dark green with red hue. Highly carbonatized, nonmagnetic. Irregular contacts. Traces pyrite.							
208.63	211.31	10% SILICIFIED - MAG	47504	208.63	209.63	1.00	TR	.000	nil
			47505	209.63	210.63	1.00	TR-1	.000	nil
		Fine grained, dark green to green basalts contact by 20% quartz - carbonate stringers, locally with hematite subparallel to core axis. Sulphides average trace. Weakly magnetic.	47506	210.63	211.31	.68	TR-1	.007	.01
211.31	233.78	HIGH MAG BASALT	47507	211.31	212.31	1.00	TR	.010	.01
			47508	212.31	213.30	.99	TR-1	.000	nil
211.31	214.30	Fine grained massive flow. Dark green massive flow cut by 1 to 2% late stage carbonate +/- quartz stringers. Section is highly fractured.	47509	213.30	214.30	1.00	TR	.000	nil
			47510	214.30	215.30	1.00	TR-1	.000	nil
			47511	215.30	216.30	1.00	TR-1	.020	.02
			47512	216.30	217.30	1.00	TR-1	.010	.01
			47513	217.30	218.30	1.00	TR-1	.010	.01
214.30	233.78	Pillowed flow. Very fine grained to fine grained dark green, magnetic pillows containing 3 to 5% white carbonate and/or quartz stringers at variable angles to core axis. Sulphide content averages trace to 1%, locally up to 1 to 2%. Selvages are generally poorly defined and by approximately 225 m no selvages are noted but the rocks are weakly brecciated and often granular.	47514	218.30	219.30	1.00	1	.020	.02
			47515	219.30	220.30	1.00	TR-1	.010	.01
			47516	220.30	221.30	1.00	TR-1	.025	.03
			47517	221.30	222.30	1.00	TR-1	.020	.02
			47518	222.30	223.30	1.00	TR-1	.030	.03
			47519	223.30	224.30	1.00	TR-1	.020	.02
			47520	224.30	225.30	1.00	TR-1	.030	.03
233.78	261.84	FOLIATED BASALT- MAG	47521	233.78	235.00	1.22	TR-1	.073	.06
			47522	235.00	236.00	1.00	TR-1	.020	.02
		Fine grained, highly to locally moderately foliated flow top breccia. The rocks are green to locally purple and grey cut by 2 to 3% quartz +/- carbonate stringers at variable angles to core axis. Graphite noted in very fine laminations at 245.50 m. Pyrite averages trace to 1% generally concentrated adjacent to quartz stringers, traces of chalcopyrite are noted associated with	47523	236.00	237.00	1.00	1	.020	.02
			47524	237.00	238.00	1.00	TR-1	.000	nil
			47525	238.00	239.00	1.00	TR-1	.000	nil
			47526	239.00	240.00	1.00	TR-1	.000	nil
			47527	240.00	241.00	1.00	TR-1	.505	.50
			47528	241.00	242.00	1.00	TR-1	.020	.02
			47529	242.00	243.00	1.00	TR-1	.020	.02



From	To	Description	Sample	From	To	Length	& Sul	GW	Au g/t
		carbonate stringers. Minor, rare specular hematite and hematitic stringers also noted generally with carbonate stringers. Foliation at 235 m is 30 degrees, at 245.5 m at 85 degrees to the core axis and 30 degrees to the core axis at 253 m. Local silicification is noted but appears as a replacement. Pervasively carbonatized throughout.	47530	243.00	244.00	1.00	TR	.000	nil
			47531	244.00	245.00	1.00	TR-1	.020	.02
			47532	245.00	246.00	1.00	TR-1	.010	.01
			47533	246.00	247.00	1.00	1	.040	.04
			47534	247.00	248.00	1.00	1	.050	.05
			47535	248.00	249.00	1.00	1	.000	nil
			47536	249.00	250.00	1.00	TR-1	.190	.19
241.05	241.90	MAFIC SYENITE or MONZONITE. Fine grained, dark green red, highly carbonatized and nonmagnetic. Contacts are diffuse. Traces pyrite throughout.	47537	250.00	251.00	1.00	TR-1	.000	nil
			47538	251.00	252.00	1.00	TR	.000	nil
			47539	252.00	253.00	1.00	1	.100	.10
			47540	253.00	254.00	1.00	1	.230	.23
		251.47 M clay slip at 22 degrees to the core axis.	47541	254.00	255.00	1.00	1	.000	nil
			47542	255.00	256.00	1.00	1	2.520	2.52
			47543	256.00	257.00	1.00	TR-1	.110	.11
			47544	257.00	258.00	1.00	TR-1	.060	.06
			47545	258.00	259.00	1.00	TR	.160	.16
			47546	259.00	260.00	1.00	TR-1	.600	.60
			47547	260.00	261.00	1.00	TR	.110	.11
			47548	261.00	261.85	.85	TR	.170	.20

261.84 261.85 CLAY-GRIT SEAM

Green clay seam at 45 degrees to the core axis.

261.85 262.92 FOLIATED BASALT

47549 261.85 262.92 1.07 TR .610 .57

Fine grained, highly carbonatized, dark green basalt. Section is intensely, finely fractured filled by calcite. Traces pyrite. Nonmagnetic.

262.92 263.35 60% SILICIFIED - MAG

47550 262.92 263.35 .43 3-5 .269 .63

Intensely brecciated with patchy silicification and 3 to 5% very finely disseminated pyrite. The unit is highly pervasively carbonatized and green grey to locally dark purple in colour. Very fine late stage carbonate fracture fillings occur throughout the unit at variable angles to core axis.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
263.35	266.20	VARIABLELY SILICIFIED MAG BASALT	47551	263.35	264.20	.85	TR-1	.043	.05
			47552	264.20	265.20	1.00	TR	.030	.03
			47553	265.20	266.20	1.00	1	.040	.04
		Very fine grained, locally intensely brecciated and locally silicified containing trace to 1% pyrite. Foliation is noted becoming less intense down section. The rocks are dark green to purple, locally with cream coloured fragments. Moderately to locally pervasively carbonatized. The most intense brecciation is from 263.35 to 264.20 m, below this point the silicification is in very narrow bands. Foliation at 47 degrees to the core axis at 264 m.							
266.20	285.08	HIGH MAG BASALT	47554	266.20	267.20	1.00	TR-1	.000	nil
			47555	267.20	267.94	.74	TR-1	.052	.07
266.20	273.82	Flow breccia. Fine grained green to locally purple nonsilicified but pervasively carbonatized throughout. The brecciation may in part be primary with secondary late stage brecciation with a chlorite rich matrix. Rare, localized brecciated and chlorite rich patches resemble selvages but these are not distinct. Late stage carbonate stringers common at 40 to 50 degrees to the core axis	47556	267.94	268.43	.49	NIL	.010	.02
			47557	268.43	269.50	1.07	TR-1	.043	.04
			47558	269.50	270.60	1.10	TR	.000	nil
			47559	270.60	271.70	1.10	TR	.000	nil
			47560	271.70	272.80	1.10	TR-1	.022	.02
			47561	272.80	273.82	1.02	TR-1	.020	.02
267.94	268.43	MONZONITE or MAFIC SYENITE. Fine grained, green with red hue. Pervasively carbonatized but nonmagnetic. Sharp contacts at 45 and 55 degrees to the core axis.	47562	273.82	274.82	1.00	TR	.000	nil
			47563	284.08	285.08	1.00	TR-1	.000	nil
273.82	285.08	Fine grained massive flow. Continuation of above sequence with no brecciation. The rocks are green, strongly magnetic cut by 2 to 3% late stage white carbonate stringers. Traces pyrite noted locally associated with carbonate stringers.							
285.08	286.31	20% SILICIFIED - MAG	47564	285.08	285.89	.81	1	.089	.11
			47565	285.89	286.31	.42	NIL	.000	nil
		Dark purple and pale grey-green foliated and locally brecciated basalt. The unit is a relict flow top containing 1% pyrite often along foliation planes. Highly pervasively carbonatized. Mafic intrusive noted							

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

from 285.89 to 286.31 m with sharp contacts at 50 and 58 degrees to the core axis. The intrusive is fine grained, dark green, intensely carbonatized and magnetic.

286.31 286.79 40% SILICIFIED - MAG

47566 286.31 286.79 .48 3-5 .178 .37

Very fine grained, intensely foliated with minor graphitic bands along foliation planes at 38 degrees to the core axis. Pyrite content averages 3 to 5% as fine disseminations. Highly carbonatized.

286.79 288.46 VARIABLY SILICIFIED MAG BASALT

47567 286.79 287.79 1.00 1-2 .895 .89  
47568 287.79 288.46 .67 TR-1 .060 .09

Fine grained, foliated basalt, locally with amygdules. The rocks are green to dark green, magnetic and pervasively carbonatized. The intensity of foliation and degree of silicification decreases down section. Foliation at 287 m at 44 degrees to the core axis. Pyrite content averages 1% with 1 to 2% in upper 1 m decreasing down section. Minor graphite noted in narrow bands parallel to foliation, these are not primary.

288.46 296.65 FOLIATED BASALT- MAG

47569 288.46 289.46 1.00 TR-1 .070 .07  
47570 289.46 290.46 1.00 TR-1 .000 nil  
47571 290.46 291.46 1.00 TR-1 .100 .10  
47572 291.46 292.46 1.00 TR-1 .110 .11  
47573 292.46 293.46 1.00 TR .080 .08

Fine to medium grained dark green, magnetic basalt with rare graphite noted along foliation planes. Pervasively carbonatized throughout. Traces pyrite noted locally. Foliation is often with carbonate. Foliation at 48 degrees at 291.8 m and 42 degrees to the core axis at 296.4 m. Intensity of foliation decreases down section. Leucoxene noted locally.

290.07 290.55 MONZONITE or MAFIC SYENITE.  
Fine grained, green with red hue. Pervasively carbonatized and nonmagnetic. Contacts at 46 and 61 degrees to the core axis.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
296.65	306.93	HIGH MAG BASALT	47574	305.65	306.93	1.28	TR	.013	.01

296.65 305.65 Medium grained massive flow. Green flow with fish-net texture, resembles diorite, but no distinct contacts. Strongly magnetic. Upper 2 m is weakly carbonatized becoming noncarbonatized down section. Carbonate epidote stringers subparallel to core axis are common. These are barren. Becomes fine grained over lower 1 m.

305.65 306.93 Flow top breccia. Aphanitic, purple green, ropey flow top with traces of crystal pyrite.

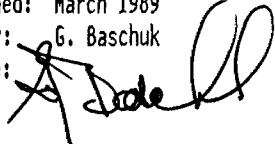
306.93 END OF HOLE.

Property: Foster-Harley  
 Township: Harker  
 Claim: L-738086  
 NTS: 32D/5

DIAMOND DRILL RECORD

Hole #: MC.89-478

Survey Co-ords: 3767.7 8393.5  
 Cut-Grid Co-ords: 28+00E 15+25S  
 Section: 28+00E  
 Elevation: 5013.8  
 Measurement: Metric

Date Logged: March 1989  
 Logged by: G. Baschuk  
 Signature: 

Azimuth: .1  
 Dip: -50.0  
 Length: 320.0

Contractor: Philippon  
 Core Size: BQ  
 Date Started: March 3, 1989  
 Date Completed: March 8, 1989

Core Stored At: Holt-McDermott  
 Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-49.0	182.88		-51.0	320.04		-51.0
91.44		-48.0	228.60		-50.0			
137.16		-48.0	274.32		-50.0			

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

.00 48.77 CASING.  
 48.77 64.15 HIGH MAG BASALT.  
 64.15 65.80 CHERT.  
 65.80 87.02 HIGH MAG BASALT.  
 87.02 89.75 VARIABLY SILICIFIED MAG BASALT.  
 89.75 149.84 BASALT.  
  
 149.84 162.58 GHOSTMOUNT NORTH ZONE.  
  
 149.84 154.46 30% SILICIFIED - MAG.  
 154.46 155.59 100% SILICIFIED.  
 155.59 162.58 30% SILICIFIED - MAG.  
 162.58 165.97 Mafic intrusive.  
 165.97 174.62 HIGH MAG BASALT.  
 174.62 191.42 BASALT.  
 191.42 205.00 HIGH MAG BASALT.  
 205.00 320.04 BASALT.  
 320.04 END OF HOLE.

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

.00 48.77 CASING

48.77 64.15 HIGH MAG BASALT

33425 60.28 60.86 .58 1 .029 .05

48.77 64.15 Medium grained massive flow. Dark green, fish-net textured massive flow. Magnetics are weak to strong sporadically. The unit is cut by 2 to 3% pale green epidote fracture fillings, white carbonate stringers and/or quartz stringers with traces of pyrite. Pyrite is noted locally as fine disseminations and rare crystals. Rare leucoxene noted adjacent to weakly foliated sections. The lower 1 m becomes aphanitic to sharp lower contact at 53 degrees to the core axis.

60.30 60.80 : weakly sheared section. Highly carbonatized with carbonate stringers and 1% pyrite. Foliation at 34 degrees to the core axis.

64.15 65.80 CHERT

33426 64.15 64.75 .60 TR .006 .01  
 33427 64.75 65.40 .65 TR .007 .01  
 33428 65.40 65.80 .40 TR-1 .060 .15

Aphanitic, dark green to purple, buff to locally pink coloured cherts with minor siliceous basaltic fragments. Hyaloclastite noted at base within cherty section. The buff colouration occurs as halos to fractures parallel to localized bedding noted at 43 degrees to the core axis at 65.25 m. Rare specular hematite and red hematite stringers are noted. Pyrite concentration averages trace with locally up to 1%. Lower 20 cm contains increased

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		basaltic material with hyaloclastite and lower contact is sharp at 42 degrees to the core axis. Pyrite occurs as fine disseminations and as fracture fillings.							
65.80	87.02	HIGH MAG BASALT	33429	65.80	66.80	1.00	TR-1	.250	.25
			33430	66.80	67.80	1.00	TR-1	.010	.01
65.80	77.45	Flow top breccia. Pale green to dark green, weakly sporadically magnetic flow top. Epidote stringers and fracture fillings common in upper 3 m changing to carbonate filled down section averaging 2 to 3%. Pyrite averages trace throughout the unit with localized sections containing up to 1 to 2% as fine disseminations. Rare quartz stringers noted. Vesicles noted below 69.5 m to 71.4 m. These are carbonate filled at top becoming pyritic down section. Possible fault gouge at 68.3 m in section of rubbled and broken core.	33431	67.80	68.80	1.00	TR	.000	nil
			33432	68.80	69.80	1.00	TR-1	.000	nil
			33433	69.80	70.80	1.00	TR	.000	nil
			33434	70.80	71.80	1.00	TR	.010	.01
			33435	71.80	72.80	1.00	TR	.010	.01
			33436	72.80	73.80	1.00	TR	.000	nil
			33437	73.80	74.80	1.00	TR	.000	nil
			33438	74.80	75.80	1.00	TR-1	.000	nil
			33439	75.80	76.80	1.00	TR-1	.010	.01
			33440	76.80	77.45	.65	TR-1	.000	nil
			33441	77.45	77.90	.45	TR	.000	nil
			33442	77.90	78.63	.73	1-2	.080	.11
			33443	78.63	79.22	.59	1-2	.047	.08
			33444	79.22	79.65	.43	TR	.026	.06
77.45	77.90	MONZONITE. Fine grained, granular green with red hue. Magnetic and strongly pervasively carbonatized. Contacts are sharp at 62 and 65 degrees to the core axis. Trace pyrite crystals.	33445	79.65	80.65	1.00	NIL	.000	nil
			33446	80.65	81.46	.81	TR	4.694	5.80
			33447	81.46	82.46	1.00	TR	.150	.15
			33448	82.46	83.46	1.00	TR	.020	.02
			33449	83.46	84.06	.60	TR-1	.048	.08
			33450	84.06	84.43	.37	NIL	.007	.02
77.90	79.22	Graphitic. Continuation of above flow top with minor graphite. Pyrite concentrations are elevated averaging 1 to 2% as fracture fillings commonly along weakly developed foliation planes at 38 degrees to the core axis. Strongly magnetic throughout. Lower contact at carbonate stringer.	33451	84.43	85.60	1.17	TR	.468	.40
			33452	85.60	86.78	1.18	TR	.950	.81
			33453	86.78	87.02	.24	NIL	.002	.01
79.22	81.46	MONZONITE. Fine grained, granular, green with pale red hue. Nonmagnetic. Strongly pervasively carbonatized. Two minor basaltic inclusions noted at 79.51 to 79.61 and 81.16 to 81.28 m containing 1 to 2% pyrite and minor quartz +/- graphite. Inclusions at 35 to 40 degrees to the core axis. Contacts of intrusive at 85 and 50 degrees to the core axis, respectively.							
81.46	84.06	Flow top breccia. Highly angular, very fine grained to aphanitic pale green fragments within dark green chloritic matrix. Vesicles common. Numerous cooling fractures. Strongly							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		magnetic throughout, noncarbonatized. Traces pyrite noted as fracture fillings and vesicle fillings near monzonite (below) contact.							
84.06	84.43	MONZONITE. Dark green with red hue. Nonmagnetic, pervasively carbonatized. Sharp contacts at 50 and 40 degrees to the core axis.							
84.43	86.78	Vesicular continuation of above flow top. Fine grained, dark green, magnetic with traces of pyrite. 2 to 3% hairline epidote fracture fillings.							
86.78	87.02	MONZONITE. Fine grained, nonmagnetic, strongly pervasively carbonatized green red to brown intrusive. Sharp contacts at 50 to 55 degrees to the core axis.							
87.02	89.75	VARIABLELY SILICIFIED MAG BASALT							
			33454	87.02	88.00	.98	TR	.020	.02
			33455	88.00	89.00	1.00	1	.020	.02
87.02	89.00	Vesicular. Fine grained, dark green, weakly silicified basalt with strong magnetics. Vesicles noted at top decreasing abundance down section. Carbonate fracture fillings and pervasive carbonatization increases down section. Pyrite averages trace increasing to 1% near quartz vein. Chlorite fracture fillings common near quartz vein. Weak hematitic streak noted locally associated with silicification.	33456	89.00	89.19	.19	1	.006	.03
			33457	89.19	89.75	.56	1	.017	.03
89.00	89.01	Clay-grit seam at 57 degrees to the core axis							
89.01	89.19	Quartz vein. White grey quartz vein containing 1% chalcopyrite, traces pyrite and galena. 5% chloritic fracture fillings throughout running at 15 to 45 degrees to the core axis. Minor quartz stringers extend into adjacent basalt. Upper contact at clay-grit seam, lower at 60 degrees to the core axis.							
89.19	89.75	: moderately brecciated, weakly silicified, dark green to purple section with 2 to 3% quartz - carbonate stringers and 1% finely disseminated pyrite. Strongly magnetic.							



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
89.57	89.58	Clay-grit seam at 35 degrees to the core axis associated with carbonate stringers.							
89.75	149.84	BASALT	33458	89.75	90.15	.40	NIL	.008	.02
			33459	90.15	91.20	1.05	TR	.031	.03
89.75	90.15	MONZONITE. Fine grained, dark green with red hue. Pervasively carbonatized, nonmagnetic. Contacts at 63 and 24 degrees to the core axis, respectively.	33460	91.20	91.47	.27	NIL	.003	.01
			33461	91.47	92.05	.58	TR-1	.055	.09
			33462	92.05	93.05	1.00	TR	.030	.03
			33463	93.05	94.05	1.00	TR-1	.030	.03
			33464	94.05	95.05	1.00	TR	.010	.01
90.15	95.75	Fine grained massive flow. Dark green with weak to moderate magnetics. The upper 1 m contains fine feldspars resembling a glomeroporphyritic flow with phenocrysts up to 2 mm comprising 2 to 3% of the unit. Adjacent to MONZONITE, the unit is silicified. Hematitic streak is common throughout and localized sections are aphanitic. 2 to 5% carbonate +/- hematite fracture fillings are noted. From 95.05 to 95.75 m 1 to 2% coarse crystalline pyrite is noted. Magnetism are sporadic and generally decreasing down section.	33465	95.05	95.75	.70	1-2	.000	nil
			33466	95.75	96.75	1.00	TR	.000	nil
			33467	125.00	126.00	1.00	TR	.000	nil
			33468	126.00	127.10	1.10	TR-1	.000	nil
			33469	127.10	128.10	1.00	TR-1	.000	nil
			33470	128.10	129.10	1.00	TR-1	.000	nil
			33471	148.87	149.84	.97	TR	.000	nil
91.20	91.47	SYENITE. Fine grained, pervasively carbonatized, nonmagnetic, green with red hue. Contacts at 27 and 40 degrees to the core axis, respectively.							
95.75	125.00	Fine grained massive flow. Continuation of above with no magnetism and fracturing decreasing to less than 1%. Localized sections are grey-green in colour with minor pale green feldspar phenocrysts resembling fine grained glomeroporphyritic flows.							
101.75	101.80	Clay-grit seam in rubbled section. Clay-grit seam at 38 degrees to the core axis.							
	113.85	weak shear filled with carbonate at 49 degrees to the core axis. Leucoxene developed in adjacent basalt.							
125.00	127.10	Flow bottom. Continuation of above flow with grain size decreasing to aphanitic by lower contact. Trace to 1% finely disseminated pyrite noted throughout. Rocks are moderately to strongly magnetic and have a purple hue due to hematite. At							

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

lower contact minor silicified breccia occurs with possible minor chert over 5 cm. Lower contact at 50 degrees to the core axis.

127.10 139.25 Pillowed glomeroporphyritic flow. Fine grained to very fine grained, siliceous dark green purple, nonmagnetic flow with 1 to 2 mm white to pale green feldspar phenocrysts comprising 2 to 3% of the unit. Selvages are generally well developed and often contain 1 to 2% pyrite. Core is frequently broken and rubbled.

139.25 149.84 Pillowed flow. Continuation of above with no phenocrysts. The flow is siliceous with well developed selvages.

149.84 162.58 GHOSTMOUNT NORTH ZONE.

149.84 154.46 30% SILICIFIED - MAG

149.84 154.46 Very fine grained, siliceous, dark green pillowed flow with localized 100% SILICIFIED quality sections exhibiting strong magnetics. Selvages are indistinct often associated with increased silicification. Magnetics are sporadic and concentrated in hematitic sections. Pyrite content is variable from traces to 3 to 5% locally. Quartz stringer noted from 150.02 to 150.10 m at 43 degrees to the core axis containing traces pyrite and coarse galena. The unit is highly fractured with 5%, dominantly epidote, fracture fillings at 35 and 67 degrees to the core axis. The strongly magnetic sections are very fine grained and dark grey to black, rich in magnetite.

33472	149.84	150.33	.49	1	.020	.04
33473	150.33	151.00	.67	TR-1	.000	nil
33474	151.00	151.88	.88	TR	.000	nil
33475	151.88	152.79	.91	1	.018	.02
33476	152.79	153.60	.81	1-2	.000	nil
33477	153.60	154.46	.86	1	.000	nil

154.46 155.59 100% SILICIFIED

33478	154.46	155.00	.54	1-2	.470	.87
33479	155.00	155.59	.59	1-2	.348	.59

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

Dark purple, with green hue, locally red, intensely brecciated and silicified section. Relict amygdules are noted near base. The section is strongly magnetic throughout. Pyrite averages 1 to 2% as crystals and fine disseminations. A weak to moderate foliation is noted throughout at 51 degrees to the core axis, generally strongest with red to purple silicified brecciated bands. Quartz - carbonate stringer noted from 154.70 to 154.79 m at 46 degrees to the core axis.

155.59 162.58 30% SILICIFIED - MAG

Fine grained to aphanitic, dark green, sporadically magnetic, amygdular flow. Amygdules are decreasing down section where an increase in 1 mm pale green to white feldspar grains are noted (pseudo-glomeroporphyritic). The entire unit is siliceous, thereby making quantitative silicification estimates difficult. Minor pale green to cream wispy siliceous stringers are noted throughout. Pyrite concentrations average 1%, locally up to 2 to 3%, as fine disseminations and crystals. A weak foliation is imparted throughout the unit at 40 to 45 degrees to the core axis.

33480	155.59	156.60	1.01	1-2	.131	.13
33481	156.60	157.60	1.00	1-2	.000	nil
33482	157.60	158.60	1.00	1	.000	nil
33483	158.60	159.60	1.00	1	.000	nil
33484	159.60	160.60	1.00	1	.000	nil
33485	160.60	161.60	1.00	1	.000	nil
33486	161.60	162.58	.98	1-2	.000	nil

159.30 159.51 Mafic intrusive. Fine grained, dark green intrusive, possibly LAMPROPHYRE with 1 to 2 mm biotite and amphibole crystals comprising 2 to 5% of the unit. Contacts are sharp at 15 and 37 degrees to the core axis.

162.58 165.97 MAFIC INTRUSIVE

Possibly DIORITE.

Medium grained, grey-green intrusive with white feldspar crystals 1 to 2 mm long and rare chloritic clots 1 to 3 mm across. The intrusive is nonmagnetic and noncarbonatized. Locally has a salt and pepper texture. Trace pyrite in late stage carbonate filled fractures. Contacts are sharp at 43 and 60 degrees to the core axis.

33487	162.58	163.58	1.00	TR	.000	nil
33488	164.97	165.97	1.00	TR	.000	nil

165.97 174.62 HIGH MAG BASALT

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			33489	165.97	166.62	.65	1-2	.006	.01
			33490	166.62	167.62	1.00	TR	.030	.03
165.97	166.62	Quartz veining. 70% grey quartz veining with 5% epidote, minor carbonate and 1 to 2% pyrite. Veining at approximately 65 degrees to the core axis.							
166.62	174.62	Fine grained massive flow with 1 to 2 mm white feldspar phenocrysts. The unit is moderately to strongly magnetic, dark green, siliceous and noncarbonatized. Fracturing has decreased from above intrusive and only traces of pyrite are noted. Lower contact is sharp and weakly foliated at 40 degrees to the core axis.							
174.62	191.42	BASALT							
			33491	174.62	175.17	.55	TR	.000	nil
174.62	177.85	Flow top breccia. Very fine grained, dark green to green, locally grey-green breccia with subangular to subrounded fragments. Locally fragments resemble pillow selvages with cooling fractures -breadcrust. Upper 0.55 m contains minor sediments. Pale grey to dark grey, nonmagnetic, strongly carbonatized with traces of pyrite. Sediments at 52 degrees to the core axis. Intensity of brecciation decreases down section.							
177.85	181.99	Fine grained massive flow with amygdular top. Nonmagnetic, noncarbonatized green to grey-green. Amygdules filled with carbonate, quartz and pyrite.							
181.99	182.90	Intermediate intrusive. Pale green, nonmagnetic, noncarbonatized intrusive with 10 to 15% dark green chloritic clots often resembling amphibole. Contacts are sharp at 45 and 65 degrees to the core axis							
182.90	191.42	Fine grained massive flow. Green to locally dark green, nonmagnetic flow. Weakly fractured with less than 1% late stage carbonate +/- quartz fracture fillings. Weakly foliated at lower 1 m at 37 degrees to the core axis.							

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

191.42 205.00 HIGH MAG BASALT

191.42 192.05 Flow top breccia with quartz matrix. Fragments are often carbonatized. No sulphides. Fragments are angular and pale green with minor dark green matrix. Upper contact sharp at 32 degrees to the core axis.

192.05 205.00 Fine to medium grained massive flow. The unit is dark green, moderately to strongly, sporadically magnetic. Weakly fractured, relatively uniform texture throughout.

205.00 320.04 BASALT

			33492	234.10	235.10	1.00	TR	.000	nil
			33493	235.10	236.00	.90	TR	.000	nil
205.00	233.42	Fine to medium grained massive flow. Continuation of the above with the rocks becoming green to grey-green. The change is gradational and approximately at 205.0 m. Localized sections exhibit weak flow foliation. Becomes very fine grained over lower 60 cm to sharp distinct contact at 55 degrees to the core axis.	33494	236.00	237.00	1.00	1	.010	.01
			33495	237.00	238.00	1.00	TR	.000	nil
			33496	238.00	239.00	1.00	TR	.000	nil
			33497	239.00	239.65	.65	TR	.000	nil
			33498	239.65	240.35	.70	1	.112	.16
			33499	240.35	241.35	1.00	TR	.000	nil
			33500	280.83	281.13	.30	2-3	.006	.02
			33501	292.31	292.95	.64	1	.000	nil
			33502	294.26	294.76	.50	TR-1	.000	nil
233.42	247.32		Pillowed flow top breccia with quartz carbonate injection breccia noted from 234.15 to 235.60 m. The unit is intensely brecciated with well developed selvages often with purple green variolites. Upper contact contains minor hyaloclastite. Sulphide content is low but locally up to 5% pyrite within selvages, locally with magnetite. Down section the intensity of brecciation decreases and selvages become narrow and well developed. Lower contact defined by last selvage noted.	33503	299.30	299.80	.50	TR-1	.000
		33504		306.98	307.68	.70	TR	.000	nil
		33505		307.68	308.68	1.00	TR-1	.020	.02
		33506		308.68	309.07	.39	TR	.000	nil
		33507		309.07	309.77	.70	TR-1	.000	nil
		33508		312.70	313.40	.70	1-2	.000	nil
		33509	313.40	314.04	.64	TR	.000	nil	
		33510	314.04	314.61	.57	TR-1	.000	nil	
		33511	314.61	315.16	.55	1	.000	nil	

247.32 285.50 Fine to medium grained massive flow. Very fine grained, dark green at top becoming green to dark green and medium grained down section. Weakly fractured with epidote, carbonate and rarely quartz

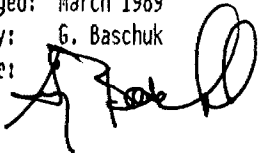
From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		filled fractures. Magnetics are noted locally, generally weak. Lower 2 m is becoming very fine grained to aphanitic and is dark green. Lower contact is indistinct and defined by first selvage noted.							
280.83	280.94	Carbonate quartz veining with epidote and 3 to 5% pyrite as crystals. Minor epidote and hematite. The vein hosts cream to white bleached basaltic fragments -angular. Veining at 39 degrees to the core axis.							
285.50	320.04	Pillowed flow. Aphanitic to very fine grained, dark green flow with well developed, clean chloritic selvages. No sulphides or veining at selvages. Below 292 m, quartz +/- carbonate and pyrite, up to 5%, occurs at selvages. These are selectively sampled.							
304.74	304.93	MAFIC SYENITE. Pale green, to red in center, medium grained intrusive. Strongly magnetic, noncarbonatized. 15% chlorite grains throughout. Contacts at 50 and 65 degrees to the core axis.							
307.71	308.68	MAFIC SYENITE. Dark red to brown intrusive with green chlorite, possibly after amphibole, phenocrysts up to 2 mm comprising 15% of the rock. The unit is strongly magnetic, weakly pervasively carbonatized and contains traces of pyrite. Contacts are sharp at 45 and 40 degrees to the core axis. Upper contact is silicified, weakly brecciated and contains 1% finely disseminated pyrite. Same type of intrusive as described above.							
314.04	314.61	Mafic intrusive. Medium grained, green with a fragmental appearance. The matrix is pale green with dark green mafic clots and grains up to 2 mm across, locally laths. Trace to 1% pyrite noted throughout. Nonmagnetic, noncarbonatized. Sharp contacts at 52 and 50 degrees to the core axis.							
320.04		END OF HOLE.							

Property: Foster-Harley  
 Township: Harker  
 Claim #: L-738088 & L-738089  
 NTS: 370/5

DIAMOND DRILL RECORD

Hole #: MC.89-479

Survey Co-ords: 3180.4 8452.4  
 Cut-Grid Co-ords: 22+00E 16+25S  
 Section: 22+00E  
 Elevation: 5012.5  
 Measurement: Metric

Date Logged: March 1989  
 Logged by: G. Baschuk  
 Signature: 

Azimuth: 359.4  
 Dip: -55.0  
 Length: 243.8

Contractor: Philippon  
 Core Size: BQ  
 Date Started: March 9, 1989  
 Date Completed: March 14, 1989

Core Stored At: Holt-McDermott  
 Comments: Casing left in hole

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-53.0	137.16		-52.0	243.84		-52.0
91.44		-53.0	182.88		-51.5			

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

- .00 9.45 CASING.
- 9.45 129.94 BASALT.
- 129.94 149.55 HIGH MAG BASALT.
- 149.55 243.84 BASALT.
- 243.84 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	9.45	CASING							
9.45	129.94	BASALT							
			33512	12.50	13.33	.83	TR	.000	nil
			33513	13.33	14.33	1.00	1-2	.000	nil
			33514	14.33	15.33	1.00	TR	.000	nil
9.45	65.27	Pillowed flow. Variolitic and locally amygdular. Green to locally grey-green, very fine grained to aphanitic pillow cores with pale green to locally purple green variolites at selvages. Vesicles noted locally within variolitic sections. The unit is pale green in sections where coalescing variolites are noted. The selvages are generally clean, but locally associated with quartz +/- carbonate veining and massive magnetite. In these sections pyrite is noted as fracture fillings, fine disseminations and or crystals. Selvages are selectively sampled when associated with pyrite. The flow is generally siliceous and weakly fractured filled by calcite and/or quartz. The selvages become cleaner down section with a gradational lower contact, defined by last selvage noted.	33515	17.30	17.80	.50	1-2	.262	.52
			33516	22.37	23.00	.63	1-2	.000	nil
			33517	26.00	26.52	.52	TR-1	.000	nil
			33518	29.00	29.75	.75	1	.000	nil
			33519	29.75	30.65	.90	TR	.000	nil
			33520	30.65	31.45	.80	1	.000	nil
			33521	40.44	41.44	1.00	TR	.000	nil
			33522	41.44	41.97	.53	TR	.000	nil
			33523	41.97	42.60	.63	TR	.605	.96
			33524	42.60	43.17	.57	TR	.000	nil
			33525	46.50	47.00	.50	TR-1	.000	nil
			33526	49.22	49.72	.50	TR-1	.005	.01
			33527	58.42	58.99	.57	TR	.000	nil
			33528	76.40	77.11	.71	TR-1	.000	nil
			33529	77.11	77.85	.74	TR-1	.007	.01
			33530	82.39	83.39	1.00	1	.110	.11
			33531	83.39	84.05	.66	1	.267	.41
			33532	111.67	112.67	1.00	TR	.000	nil
		22.50 22.77 : magnetite rich section resembling an intrusive with sharp contacts at 54 and 48 degrees to the core axis. The unit is dark grey-green to black and contains 3 to 5% pyrite as fracture fillings and crystals.	33533	112.67	112.97	.30	TR-1	.015	.05
			33534	112.97	114.00	1.03	TR	.000	nil
			33535	116.92	117.92	1.00	TR-1	.010	.01
			33536	119.00	120.00	1.00	TR-1	.060	.06
			33537	120.00	120.60	.60	TR	.018	.03
		40.44 43.17 : altered section with extensive carbonate +/- quartz veining at variable angles to core axis. Traces pyrite. The host rocks are pale green to locally buff in colour.	33538	120.60	121.42	.82	TR	.000	nil
			33539	121.42	121.80	.38	TR	.000	nil
			33540	121.80	122.17	.37	2-3	.000	nil
			33541	122.17	123.20	1.03	TR-1	.124	.12
		46.67 : weathered section with white carbonate leached out, possible fault gouge. Traces sulphides and minor silicification noted over next 10 cm.	33542	123.20	124.20	1.00	TR-1	.000	nil
			33543	124.20	125.20	1.00	TR	.000	nil
			33544	125.20	126.20	1.00	TR	.000	nil
			33545	126.20	127.20	1.00	1-2	.000	nil



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
58.42	58.99	: fine grained, green purple, siliceous intrusive with rubbled contacts. Moderately pervasively carbonatized, nonmagnetic. Contains traces of finely disseminated pyrite.	33546	127.20	128.20	1.00	TR	.000	nil
			33547	128.20	129.20	1.00	TR	.010	.01
			33548	129.20	129.94	.74	TR	.052	.07
65.27	68.20	Amygdaloidal flow. Dark green fine grained host with 5 to 10% quartz and/or mafic (chlorite? ) filled amygdules. Abundance decreasing down section. The host is nonmagnetic weakly fractured with epidote and rarely carbonate fillings. Gradational lower contact.							
68.20	112.67	Fine to medium grained massive flow. Continuation of above flow sequence. The rocks are green to locally dark green, weakly fractured and nonmagnetic. Localized sections are sub-ophitic with chloritic laths up to 6 mm long. Weakly foliated from 98.3 to 102.5 m at 45 degrees to the core axis. The lower 1 m is very fine grained becoming aphanitic, dark green to green with weak foliation and brecciation.							
76.40	77.85	Pervasively carbonatized section with weak brecciation and 5% late stage carbonate filled fractures. Trace to 1% pyrite noted as fine disseminations. Ground core at 77.11 m.							
82.39	84.05	Pervasively carbonatized and weakly silicified section. Fine grained, dark green to grey-green section containing 1% finely disseminated pyrite. Weak brecciation is noted adjacent to silicified section at 83.84 m, possible fault gouge ?. This section is strongly magnetic and has a faint purple hue. Carbonate fracture fillings, up to 5%, are at 52 degrees to the core axis as are minor magnetite wisps.							
112.67	121.42	Pillowed flow. Aphanitic to locally very fine grained with brecciated and highly carbonatized top over upper 30 cm. This section is highly foliated at 40 to 60 degrees to the core axis. The remaining portion of the flow is relatively unaltered with localized carbonate +/- quartz veining at selvages containing trace to 1% pyrite. Generally selvages are well developed, 1 to 2 cm in width and chlorite rich. Rare glomeroporphyritic phenocryst is noted up to 1 cm across.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		Within altered selvages magnetite is common. Below 120 m pervasive carbonatization is increasing. From 120.60 to 121.42 m, minor brecciation is noted with local intense carbonatization and a quartz stringer at 40 degrees to the core axis noted at 121.19 m.							
121.42	121.80	: MONZONITE or MAFIC SYENITE. Fine grained, pervasively carbonatized dark green intrusive with a red hue. Nonmagnetic. Sharp contacts at 65 to 70 degrees to the core axis. Traces pyrite noted concentrated at contacts.							
121.80	123.20	Brecciated. Highly carbonatized, weakly brecciated section with no evidence of selvages. Quartz veining occurs from 122.04 to 122.17 m containing 3 to 5% coarse and finely disseminated pyrite. The veining is irregular hosting silicified host fragments. Lower contact of veining is sharp at possible relict fault gouge at 27 degrees to the core axis. The host rock is pale green and brecciated with elongated fragments within a chloritic matrix. Fragments are aligned at 25 and 45 degrees to the core axis, two distinct sets							
123.20	129.94	Fine grained massive flow. Pale green, locally dark green, carbonatized section with local weak foliation and minor brecciation with chloritic matrix. Rare irregular quartz +/- carbonate stringers are noted with magnetite and 1% pyrite. Heavy magnetite noted at 126.55 m. Foliation at 124.9 m at 49 degrees to the core axis. From 123.7 to 124.65 m, is a white speckling of the core, this is nonreactive to HCl. Locally weakly magnetic. Magnetics are gradually increasing down section.							
129.94	149.55	HIGH MAG BASALT	33549	129.94	130.60	.66	TR	.000	nil
			33550	130.60	131.13	.53	TR	.000	nil
129.94	131.13	Brecciated. Intensely pervasively carbonatized pale green, locally orange, angular fragments averaging 1 cm across	33551	131.13	132.13	1.00	TR	.000	nil
			33552	134.30	134.80	.50	1	.040	.08
			33553	140.20	140.85	.65	2-3	.098	.15

AMERICAN BARRICK RESOURCES CORPORATION

Hole #: NC.89-479  
Page #: 5

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		with a basaltic host. Traces pyrite and minor sericite noted. No silicification. The contacts into this unit are gradational. Weakly to moderately magnetic.	33554	149.05	149.55	.50	1	.060	.12
131.13	140.99	Fine grained massive flow. Dark green to green, moderately magnetic unit. Pervasively carbonatized throughout. Gradational lower contact. 5% late stage calcitic hairline fracture fillings are noted.							
		134.59 134.67 : silicified, brecciated, dark purple section. Highly carbonatized, strongly magnetic with 3 to 5% finely disseminated pyrite. The upper contact of this section is highly ground by drillers. Foliation at 65 degrees to the core axis.							
		140.40 140.65 : highly silicified and brecciated, dark purple and green section with 3 to 5% finely disseminated pyrite. The unit is highly magnetic and moderately pervasively carbonatized. Quartz stringers within section. The unit is foliated at 50 degrees to the core axis.							
140.99	149.55	Medium grained massive flow. Dark green, weakly to moderately magnetic flow. Localized fish-net texture is noted. Weakly fractured, dominantly with epidote and or carbonate. The magnetics are sporadic and generally decreasing down section. The lower 0.50 m is strongly magnetic, moderately to highly foliated and contains 1% finely disseminated pyrite associated with narrow quartz +/- carbonate stringers and/or patches. This is not a distinct break or contact between flows.							
149.55	243.84	BASALT							
			33555	225.90	226.90	1.00	TR	.000	nil
			33556	226.90	227.90	1.00	TR	.000	nil
149.55	222.00	Medium grained massive flow. Continuation of above flow sequence with localized fine grained sections and localized leucoxene noted. The flow is nonmagnetic throughout with localized very weak magnetics. Over the first 15 m, the rocks are generally sub-ophitic textured with mafic laths,	33557	227.90	228.90	1.00	TR	.000	nil
			33558	228.90	229.90	1.00	TR	.000	nil
			33559	229.90	230.90	1.00	TR	.000	nil
			33560	230.90	231.90	1.00	TR	.000	nil
			33561	231.90	232.90	1.00	TR	.000	nil
			33562	232.90	233.90	1.00	TR	.000	nil
			33563	233.90	234.90	1.00	TR-1	.000	nil

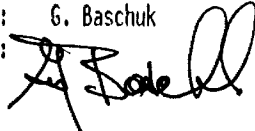
From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		possibly chlorite after amphibole, up to 8 mm long. Below, a fish-net texture is dominant.	33564	234.90	235.90	1.00	TR	.000	nil
			33565	235.90	236.90	1.00	TR	.000	nil
			33566	236.90	237.90	1.00	TR	.000	nil
204.98	205.52	: mafic intrusive, possibly DIORITE. Fine to medium grained, dark green with pale green to cream coloured feldspar phenocrysts up to 3 mm across. Phenocrysts are often in clumps. Moderately to strongly magnetic throughout. Noncarbonatized. Sharp contacts at 80 to 90 degrees to the core axis	33567	237.90	238.90	1.00	TR-1	.000	nil
			33568	238.90	239.90	1.00	TR	.010	.01
			33569	239.90	240.90	1.00	TR	.000	nil
			33570	240.90	241.90	1.00	TR	.000	nil
			33571	241.90	242.90	1.00	TR	.000	nil
			33572	242.90	243.84	.94	TR	.000	nil
222.00	225.90	Very fine grained massive flow decreasing to aphanitic at lower contact. Continuation of above flow.							
225.90	243.84	Pillowed flow. Dark green, siliceous, aphanitic pillowed flow with well developed, often variolitic selvages. Hyaloclastite noted locally in selvages at top. Localized selvages contain 1% pyrite and minor quartz +/- carbonate and magnetite. The pillow cores are nonmagnetic							
243.84		END OF HOLE.							

Property: Foster-Harley  
 Township: Harker  
 Claim #: L-738561  
 NTS: 320/5

DIAMOND DRILL RECORD

Hole #: MC.89-480

Survey Co-ords: 2307.9 8258.9  
 Cut-Grid Co-ords: 14+00E 20+50S  
 Section: 14+00E  
 Elevation: 4996.0  
 Measurement: Metric

Date Logged: March 1989  
 Logged by: G. Baschuk  
 Signature: 

Azimuth: 359.3  
 Dip: -52.0  
 Length: 380.1

Contractor: Philippon  
 Core Size: BQ  
 Date Started: March 15, 1989  
 Date Completed: March 23, 1989

Core Stored At: Holt-McDermott  
 Comments: Casing Pulled, Elevation Approximate

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-48.5	182.88		-46.0	320.04		-44.0
91.44		-49.0	228.60		-46.0	365.76		-43.0
137.16		-47.0	274.32		-44.5	380.09		-43.5

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

.00 18.59 CASING.  
 18.59 113.54 HIGH MAG BASALT.  
 113.54 120.15 GHOSTMOUNT MINERALIZED ZONE.  
 113.54 114.32 10% SILICIFIED.  
 114.32 119.73 20% SILICIFIED - MAG.  
 119.73 120.15 100% SILICIFIED.  
 120.15 213.91 HIGH MAG BASALT.  
 213.91 241.07 BASALT.  
 241.07 243.23 GHOSTMOUNT NORTH ZONE.  
 241.07 243.23 20% SILICIFIED.  
 243.23 245.76 Mafic intrusive.  
 246.76 262.39 HIGH MAG BASALT.  
 262.39 297.13 BASALT.  
 297.13 313.90 HIGH MAG BASALT.  
 313.90 333.35 BASALT.  
 333.35 341.45 HIGH MAG BASALT.  
 341.45 380.09 BASALT.  
 380.09 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	18.59	CASING							
18.59	113.54	HIGH MAG BASALT							
			33573	21.60	22.60	1.00	TR	.070	.07
			33574	22.60	23.00	.40	TR-1	.028	.07
18.59	21.48	Medium grained massive flow. Dark green, weakly to moderately magnetic. Dioritic texture at top becoming fine grained at lower contact. Lower contact is sharp at 37 degrees to the core axis.	33575	23.00	23.97	.97	TR	.048	.05
			33576	33.03	34.00	.97	TR	.039	.04
			33577	41.80	42.80	1.00	TR-1	.130	.13
			33578	42.80	43.80	1.00	TR	.100	.10
			33579	43.80	44.80	1.00	TR-1	.130	.13
			33580	44.80	45.80	1.00	TR	.105	.10
21.48	33.03	Fine grained massive flow with poorly developed brecciated top. The rocks are strongly magnetic with a dark grey hue to the green host rock. Traces pyrite noted. The grain size increases to medium grained from 30.5 to 32.5 m.	33581	49.22	50.22	1.00	TR-1	.150	.15
			33582	50.22	51.22	1.00	TR-1	.120	.12
			33583	51.22	51.82	.60	3-5	.102	.17
			33584	51.82	52.31	.49	NIL	.118	.24
			33585	52.31	52.87	.56	3-5	.123	.22
			33586	52.87	53.57	.70	2-3	.252	.36
	22.62	22.95 : quartz - carbonate - epidote vein with trace to 1% pyrite crystals. Contacts are sharp at 35 and 40 degrees to the core axis.	33587	53.57	54.17	.60	1-2	.138	.23
			33588	54.17	54.86	.69	1-2	.131	.19
			33589	54.86	55.86	1.00	TR-1	.150	.15
			33590	55.86	57.02	1.16	1	.174	.15
			33591	57.02	57.88	.86	3-5	.155	.18
33.03	38.00	Flow top breccia. Highly brecciated flow top with pale green and dark green matrix to subangular to angular wispy fragments. Pyrite, up to 1%, noted within matrix to fragments. Entire unit is strongly magnetic. Minor hyaloclastite at upper contact. Brecciation is decreasing down section and grades into an amygdular flow from 36.5 to 38.0 m.	33592	57.88	58.86	.98	2-3	.245	.25
			33593	58.86	59.96	1.10	TR-1	.198	.18
			33594	59.96	60.96	1.00	TR-1	.090	.09
			33595	60.96	61.96	1.00	TR	.100	.10
			33596	61.96	62.96	1.00	TR	.100	.10
			33597	65.00	66.00	1.00	TR-1	.080	.08
			33598	66.00	67.00	1.00	TR-1	.150	.15
			33599	67.00	67.70	.70	TR	.091	.13
			33600	67.70	68.35	.65	TR	.107	.17
			33601	68.35	69.35	1.00	TR	.090	.09
38.00	58.86	Fine grained massive flow. Dark green, strongly magnetic flow with traces of pyrite disseminated throughout. Locally the flow	33602	85.52	86.52	1.00	TR	.090	.09
			33603	86.52	87.66	1.14	TR	.114	.10
			33604	87.66	88.56	.90	TR	.081	.09

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		has a purple hue, but is nonsilicified.	33605	88.56	89.56	1.00	TR	.080	.08
		Locally sections are intensely carbonatized.	33606	89.56	90.11	.55	TR	.055	.10
		Fracturing averages 2 to 3% dominantly	33607	92.50	93.50	1.00	TR	.090	.09
		filled by calcite, quartz and rarely	33608	93.50	94.50	1.00	TR	.100	.10
		epidote. Localized sections have a red hue	33609	94.50	95.50	1.00	TR	.070	.07
		resembling a mafic syenite, but green (	33610	98.20	99.17	.97	TR	.102	.10
		mafics ) are dominant. In the vicinity of	33611	99.17	100.40	1.23	TR	.086	.07
		the intrusives, the host becomes silicified,	33612	100.40	101.12	.72	1	.058	.08
		carbonatized and contains up to 10% finely	33613	101.12	102.00	.88	TR	.035	.04
		disseminated pyrite. The alteration is	33614	102.00	102.55	.55	TR	.061	.11
		concentrated at contacts and in inclusions.	33615	102.55	103.55	1.00	TR	.090	.09
51.82	52.31	MAFIC SYENITE. Medium grained, grey-green	33616	103.55	104.55	1.00	TR	.090	.09
		with red hue. The intrusive contains 30%	33617	104.55	105.55	1.00	TR	.080	.08
		dark green mafic clots within a fine grained	33618	105.55	106.23	.68	TR	.034	.05
		pale grey-green groundmass. Noncarbonatized,	33619	106.23	106.95	.72	TR	.029	.04
		nonmagnetic. Sharp contacts at 66 degrees to	33620	106.95	107.95	1.00	TR-1	.065	.06
		the core axis. 5 to 10% white feldspar	33621	107.95	108.95	1.00	TR	.080	.08
		grains are noted 1 to 2 mm in length.	33622	108.95	109.95	1.00	TR	.120	.12
52.87	54.86	MAFIC SYENITE. The upper 0.70 m is brick	33623	109.95	110.95	1.00	TR	.120	.12
		red, very fine grained with clots of	33624	110.95	111.95	1.00	TR	.140	.14
		magnesite?. This section contains 2 to 3%	33625	111.95	112.95	1.00	TR	.110	.11
		very finely disseminated pyrite. Below, the	33626	112.95	113.54	.59	TR	.065	.11
		intrusive is fine to medium grained, green							
		grey with a red hue ( as described above )							
		with 1 to 2% pyrite. The upper contact is							
		sharp, lower is irregular and erratic. Upper							
		contact at 25 degrees to the core axis.							
		Approximately 10 to 20 cm of chill margin							
		+/- assimilated host rock at the contacts.							
		From 54.86 to 57.02 m numerous 1 to 10 cm							
		mafic syenites are noted at variable angles							
		to core axis.							
57.02	57.88	90% SILICIFIED. Intensely silicified, dark							
		green with orange brown silicification and							
		minor brecciation. This unit contains 3 to							
		5% pyrite, locally up to 10% as fine							
		disseminations and adjacent to quartz							
		stringers. The brecciated sections have a							
		foliation developed at 55 degrees to the							
		core axis. Entire section is highly,							
		pervasively carbonatized.							
		58.63 : quartz stringer at 41 degrees to the							
		core axis with 5% pyrite at contacts and in							
		adjacent host.							
58.86	65.00	Medium grained massive flow. Dark green,							
		moderately to strongly magnetic continuation							
		of the above flow. Sulphides average traces							
		pyrite with locally up to 1 to 2% adjacent							
		to quartz filled fractures. Fracturing							
		averages 3% often filled with epidote and/or							

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		hematite +/- carbonate.						
65.00	68.35	Flow contact zone. Aphanitic, dark grey-green basalt with minor localized brecciation. The flow contact is indistinct. The unit is siliceous, strongly magnetic and locally is silicified adjacent to quartz stringers containing 1 to 2% finely disseminated pyrite. The silicified sections are patchy.						
68.35	68.52	Fault gouge. Highly ground and brecciated section with clay-grit fragments within rubble. Adjacent rocks are weakly foliated and have a mottled texture. Clay-grit seam is at approximately 30 degrees to the core axis.						
68.52	79.00	Fine grained massive flow. Weakly foliated and mottled. Foliation averages 40 degrees to the core axis. The rocks are dark green and strongly magnetic. Noncarbonatized. Fracture fillings are rare and are composed of epidote +/- calcite.						
79.00	85.52	Fine to medium grained massive flow. Continuation of above with no foliation and a weak fish-net texture is noted. The unit is dark green, strongly to moderately magnetic and noncarbonatized. Down section the flow becomes very fine grained to aphanitic at lower contact.						
85.52	87.66	Flow top. Aphanitic dark green to dark purple green basalt with flow top breccia noted over upper 25 cm. Trace pyrite noted. The unit is strongly magnetic, siliceous and strongly pervasively carbonatized throughout.						
87.66	88.56	MAFIC SYENITE. Fine to medium grained, grey-green to locally pink green, nonmagnetic intrusive. Contacts are pink, possibly hematite from adjacent magnetic basalts. Noncarbonatized, traces pyrite. Contacts are sharp at 49 and 30 degrees to the core axis. Quartz vein with traces of pyrite at contacts noted from 88.00 to 88.04 m at 49 degrees to the core axis.						
88.56	113.54	Fine grained massive flow with 1 or 2 pillows at top with well developed selvages. The flow is dark purple green and						



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From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		pervasively carbonatized from 88.56 to 90.11 m. Below, the flow is dark green with localized faint purple hued sections. Minor clay and grit noted at 93.20 to 93.35 m at 55 to 65 degrees to the core axis associated with minor calcite. The unit is generally moderately carbonatized pervasively, with localized noncarbonatized and strongly carbonatized sections. The unit is 5% fractured, filled by dominantly calcite and minor quartz stringers; rare epidote fracture fillings are noted. Carbonate fracture filling concentrations are increasing down section and average 10% from 102 to 113.54.						
99.17	99.18	Fault gouge. Clay-grit seam at approximately 35 degrees to the core axis. The adjacent basalts are weakly brecciated and carbonatized above the clay-grit seam for 25 cm and highly foliated and chloritic below to 100.30 m. This section is highly fractured with ground core.						
100.30	100.40	Clay-grit seam in rubbled core associated with minor brecciated quartz veining. Clay-grit seam estimated at 45 degrees to the core axis parallel to foliation.						
100.40	101.12	Brecciated and weakly silicified, pale green, highly carbonatized section with minor dark purple silicification exhibiting a hematitic streak. Brecciation is fine with fragments averaging 5 mm across. Pyrite averages 1% as fine disseminations. Foliation is at 55 degrees to the core axis.						
102.55	106.23	Brecciated. Fine grained, green, moderately magnetic flow with weak brecciation. The brecciation is dominantly very fine hairline fracture fillings of calcite giving the entire unit a pervasive carbonatization. Trace sulphides noted throughout the unit.						
107.00	107.25	: weakly silicified section with trace to 1% pyrite and minor leucoxene. The rocks are buff green to green in colour and highly carbonatized.						
113.54	120.15	GHOSTHOUNT MINERALIZED ZONE.						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
113.54	114.32	10% SILICIFIED	33627	113.54	114.32	.78	TR-1	.452	.58

Very fine grained, green chloritic host with minor fracture related purple to buff silicification. Silicification is halo style. Trace to 1% pyrite. Nonmagnetic throughout. Entire unit is weakly pervasively carbonatized with strong carbonatization noted within silicified sections.

114.32 119.73 20% SILICIFIED - MAG

33628	114.32	115.32	1.00	TR-1	.460	.46
33629	115.32	116.32	1.00	TR-1	.170	.17
33630	116.32	117.32	1.00	TR-1	.405	.41
33631	117.32	117.83	.51	1-2	1.872	3.67
33632	117.83	118.60	.77	TR-1	.508	.66
33633	118.60	119.43	.83	2-3	.066	.08
33634	119.43	119.73	.30	1	.012	.04

Fine grained, highly chloritic host with localized white to pale grey, orange and buff green silicified breccia. Leucoxene is common within the host in areas associated with shearing and thus foliation development. Carbonatization is generally strong but weak in areas of leucoxene. Magnetics are increasing down section and weak to nonexistent at the top. Pyrite occurs as fine disseminations and localized clots averaging 1% throughout the unit with local concentrations up to 2 to 5%. The orange coloured sections are narrow fragments resembling syenites.

117.83 118.00 GHOSTMOUNT FAULT PLANE. Section of chloritic breccia with clay-grit seam at 117.96 m at 55 degrees to the core axis. Silicified fragments within chloritic matrix are less than 1 cm across and are rounded.

118.60 119.43 MAFIC SYENITE. Green grey with red hue. Strongly magnetic and pervasively carbonatized throughout. Contacts are indistinct with some reddish colouration extending into adjacent altered rock. The intrusive is silicified and/or siliceous with 2 to 3% finely disseminated pyrite.

119.73 120.15 100% SILICIFIED

33635	119.73	120.15	.42	3-5	.063	.15
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Dark grey to locally white zone of silica dumping containing 3 to 5% pyrite as fine disseminations and clots.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
120.15	213.91	HIGH MAG BASALT							
			33636	120.15	120.62	.47	TR-1	.028	.06
			33637	120.62	121.71	1.09	TR	.011	.01
120.15	121.71	Amygdaloidal flow. Very fine grained, green, magnetic unit with 5% white calcite filled vesicles. The upper 47 cm is intensely foliated at 60 degrees to the core axis and contains trace to 1% finely disseminated pyrite. The lower section contains trace to nil pyrite. Chloritic fracture fillings are common throughout the unit and comprise 1 to 2% of the section. The entire unit is strongly to moderately pervasively carbonatized.	33638	125.53	126.03	.50	TR-1	.100	.20
			33639	129.87	130.32	.45	TR	.005	.01
			33640	141.00	141.60	.60	TR	.018	.03
121.71	129.87	Fine grained massive flow. Green, moderately to strongly pervasively carbonatized basalt with carbonatization decreasing down section to nil below 127.7 m. Carbonatization is also associated with late stage carbonate fracture fillings. Moderately to weakly magnetic. Lower contact is sharp with mafic grains speckling core.							
		125.53 126.00 : weakly silicified and brecciated section. Strongly pervasively carbonatized containing trace to 1% pyrite. Sericite noted in fractures. Minor leucoxene noted.							
125.98	126.00	Clay-grit seam at 59 degrees to the core axis.							
129.87	130.32	Chert. Dark grey and green chert. Poorly preserved bedding at 74 degrees to the core axis. Trace pyrite. Nonmagnetic, noncarbonatized. Upper contact is sharp at 64 degrees to the core axis.							
130.32	132.00	Flow top with narrow hyaloclastite at top followed by weak brecciation and pillows. Green, weakly magnetic. 2 to 3% late stage carbonate fracture fillings. Traces pyrite.							
132.00	134.80	Amygdaloidal flow. Fine grained, green moderately magnetic basalt with 5 to 10% white calcite filled vesicles becoming chlorite filled near gradational lower contact. Upper contact at last selvage.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
134.80	152.26	Fine grained massive flow. Green to dark green, moderately to strongly magnetic with localized sections containing 1 to 2% fine magnetite crystals. The upper 3 m is green, weakly foliated with dark green chlorite fracture fillings, below, the unit is massive and weakly fractured. 141.22 : shear associated with carbonate and minor quartz at 23 degrees to the core axis. 1% pyrite adjacent to stringers. Leucoxene noted in adjacent host rock. 142.34 : shearing at 35 to 40 degrees to the core axis.							
152.26	159.83	Medium to coarse grained massive flow. Dark green, magnetic basalt. Gradational upper contact. Flow becomes fine grained over lower 1 m to sharp, weakly brecciated lower contact at 59 degrees to the core axis. The flow has a coarse grained fish-net texture.							
159.83	161.48	Flow top breccia. Pale green angular to subrounded fragments within a green matrix. Traces pyrite noted within matrix. Patch of variolites noted at 161.41 to 161.48 m all uniform in size at 1.5 mm. No brecciation noted below this point. Strongly magnetic.							
161.48	164.02	Amygdaloidal flow. Continuation of above flow with amygdular top. Amygdules are calcite filled and decreasing abundance down section. Host rock is green and fine grained. Moderately to strongly magnetic.							
164.02	168.97	Fine to medium grained massive flow. Dominantly fine grained massive flow with narrow medium grained section near base. Unit is moderately magnetic and green. The lower 35 cm contains minor amygdules within a very fine grained host.							
168.97	170.83	Flow top breccia with minor hyaloclastite. Pale green to locally pale purple angular fragments often with amygdules within a fine grained chloritic, basaltic matrix. Minor small pillows noted down section. Trace pyrite noted as crystals and fine disseminations.							
170.83	173.80	Amygdaloidal flow. Fine grained, green							

From	To	Description	Sample	From	To	Length & Su1	GW	Au g/t
		host with 3 to 5% white calcite filled vesicles. Host is magnetic. Amount of amygdules decreases down section to gradational lower contact.						
173.80	179.13	Fine grained massive flow. Weakly fractured, green, magnetic section with minor medium grained portion from 177.4 to 178.8 m.						
179.13	183.60	Amygdaloidal flow with minor flow top breccia at top. The rocks are green and magnetic with calcitic, becoming chloritic, amygdules down section.						
183.60	213.91	Fine grained massive flow. Dark green to green, moderately magnetic. The unit is weakly fractured filled by chlorite and less frequently epidote with minor carbonate +/- quartz fracture fillings.						
188.13	188.88	Mafic intrusive. Fine grained, green brown intrusive. Moderately pervasively carbonatized, nonmagnetic. Sharp, clean contacts at 55 and 45 degrees to the core axis.						
213.91	241.07	BASALT						
			33641	232.00	232.82	.82	TR	.008 .01
			33642	232.82	233.81	.99	3-5	.089 .09
213.91	215.40	Flow top breccia. Weakly brecciated, dark green to green angular to subrounded fragments within a dark green chlorite rich matrix. Brecciation decreases down section. Nonmagnetic. Gradational lower contact. Rare glomeroporphyritic phenocryst noted up to 3 mm across. Upper contact is sharp at 70 degrees to the core axis.	33643	233.81	234.81	1.00	TR-1	.010 .01
			33644	234.81	235.81	1.00	TR	.010 .01
			33645	235.81	236.81	1.00	TR	.000 nil
			33646	236.81	237.81	1.00	TR	.000 nil
			33647	237.81	238.81	1.00	TR-1	.000 nil
			33648	238.81	239.81	1.00	TR	.000 nil
			33649	239.81	240.30	.49	TR	.005 .01
			33650	240.30	241.07	.77	TR	.000 nil
215.40	232.82	Glomeroporphyritic. Fine grained, dark green to green, nonmagnetic with 5% pale green feldspar phenocrysts average 2 to 3 mm across scattered throughout. The lower 60 cm is brecciated, pale green and fine grained representative of a flow bottom.						
232.82	233.81	Interflow sediment. Highly chloritic, possibly with minor graphite. The unit is dark greenish-grey to black with 3 to 5%						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		pyrite along bedding/foliation? planes oriented at 35 to the dominant 60 degrees to the core axis. Pale green, weakly carbonatized basaltic inclusion noted from 232.96 to 233.13 m. Minor carbonate and quartz stringers are noted.							
233.81	241.07	Fine grained massive flow. Pale green, nonmagnetic flow with minor calcite, quartz +/- graphite and/or chlorite fracture fillings concentrated at top. The lower 1 m is weakly foliated with abundant very fine grained leucoxene throughout. Foliation is at 35 to 45 degrees to the core axis.							
241.07	243.23	GHOSTMOUNT NORTH ZONE.							
241.07	243.23	20% SILICIFIED							
			33651	241.07	241.68	.61	2-3	.000	nil
			33652	241.68	241.91	.23	3-5	.016	.07
241.07	241.68	Fine grained massive flow. Continuation of above flow with weak silicification and strong pervasive carbonatization. The unit is grey-green with 2 to 3% pyrite concentrated at quartz stringers. The unit is weakly foliated at 46 degrees to the core axis. Nonmagnetic.	33653	241.91	242.52	.61	2-3	.006	.01
			33654	242.52	243.23	.71	3-5	.014	.02
241.68	243.23	Very fine grained, finely laminated or foliated unit with dark green chlorite and black graphite ?. The graphitic sections are siliceous and overall the unit averages 2 to 3% pyrite as fine disseminations and clots along fractures. The upper 20 cm is rich in chert with quartz - carbonate stringers parallel to bedding at 45 degrees to the core axis. The cherts are buff green to pale green in colour. Black metallic mineral noted within quartz stringer, possibly tetrahedrite, rimmed by very fine grained limonite coloured mineral. Irregularly oriented pale green basaltic fragments are noted within the lower portion of the unit, generally parallel to foliation at 28 degrees to the core axis.							

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

243.23 246.76 MAFIC INTRUSIVE

33655	243.23	244.00	.77	TR-1	.008	.01
33656	244.00	245.00	1.00	TR-1	.010	.01
33657	245.00	246.00	1.00	TR	.000	nil
33658	246.00	246.76	.76	TR	.000	nil

Dark grey to grey, fine grained groundmass with mafic clots averaging 2 to 3 mm across comprising 2 to 3% of the unit. The clots are often biotite rich. The groundmass is nonmagnetic, pervasively carbonatized and becomes faintly red coloured at base. The unit contains traces of disseminated pyrite and 1 to 2% within carbonate +/- quartz stringers that cut the intrusive at 35 to 40 degrees to the core axis. Upper contact is irregular at approximately 10 degrees to the core axis, lower is sharp at 62 degrees to the core axis with minor silicification in adjacent host.

246.76 262.39 HIGH MAG BASALT

33659	246.76	247.70	.94	TR	.009	.01
33660	247.70	248.70	1.00	TR	.000	nil

246.76 247.70 Flow top. Weakly brecciated with ropey epidote resembling a pillow selvage, but with no chills. This runs from 246.76 to 247.70 m as a single and bifurcating stringer. The rocks are green to dark green, locally weakly magnetic, poorly brecciated and siliceous. Traces pyrite noted throughout. Upper contact is pale purple and weakly silicified.

247.70 262.39 Crystals. Fine grained, green, weakly magnetic flow with 3 to 5% white feldspar crystals averaging less than 1 mm across. The upper 1 m is amygdular with carbonate fillings. Localized purple silicification is noted as a replacement of the host rock. Contacts are diffuse and selective following a weak foliation as noted at 248 m at 45 degrees to the core axis. The lower contact is sharp and foliated at 65 degrees to the core axis.

262.39 297.13 BASALT

33661	279.00	279.84	.84	TR	.008	.01
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From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
262.39	266.60	Fine grained massive flow. Pale green fine grained flow with narrow medium grained section near base. The upper contact contains no flow top breccia and the contact is narrow over 5 cm. Lower contact is at selvage, no distinct flow bottom. Nonmagnetic throughout. The medium grained section is sub-ophitic.							
266.60	279.84	Pillowed flow. Very fine grained to fine grained, pale green to green, nonmagnetic flow with selvages noted rarely. Individual pillows are up to 10 m in width. Selvages are distinct often with variolites. Within the large pillow a medium grained, sub-ophitic core is noted. The lower 28 cm is carbonate - quartz veining at a selvage containing traces of pyrite and resembles an injection breccia. Veining is at 30 degrees to the core axis.							
279.84	282.89	Mafic intrusive. Fine grained, dark grey intrusive with white feldspar crystals comprising 3 to 5% of the unit averaging 1 mm across. The unit is weakly carbonatized, nonmagnetic and contains rock fragments. Locally the intrusive appears granular or gritty. Upper contact at 30 degrees to the core axis, lower is at 42 degrees to the core axis.							
282.89	286.00	Amygdaloidal flow. Very fine grained to fine grained, pale green to green flow with carbonate filled vesicles up to 5 mm across, down section the vesicles are chlorite filled. Nonmagnetic throughout, gradational lower contact.							
286.00	297.13	Fine grained massive flow. Pale green to green, nonmagnetic flow. The unit is weakly to moderately fractured filled by wispy epidote.							
297.13	313.90	HIGH MAG BASALT							
			33662	303.10	304.00	.90	TR	.027	.03
			33663	304.00	305.00	1.00	TR	.010	.01
297.13	313.21	Very fine grained massive flow. Dark green to green, strongly magnetic flow. No flow	33664	305.00	306.00	1.00	TR	.010	.01
			33665	306.00	306.87	.87	TR-1	.043	.05



From	To	Description	Sample	From	To	Length	% Sul	GN	Au g/t
		top breccia, only a 2 cm quartz - carbonate stringer at 32 degrees to the core axis at upper contact. The unit is weakly to moderately fractured with wispy epidote plus carbonate. From 303.10 to 307.60 m the unit is intensely fractured with 20% epidote, carbonate and quartz stringers, locally with hematite, dominantly at 10 to 20 degrees to the core axis. Pyrite concentrations are up to 2 to 3% but average trace to 1%. Traces chalcopyrite noted within veining. Within the lower 1 m, dark purple silicified brecciation is noted. The entire unit is strongly magnetic throughout.	33666	306.87	307.60	.73	2-3	.007	.01
			33667	307.60	308.60	1.00	TR	.010	.01
			33668	312.21	313.21	1.00	TR	.020	.02
			33669	313.21	313.90	.69	TR	.062	.09
313.21	313.90	Fault gouge. Aphanitic, pale green annealed breccia with fragments of overlying basalt incorporated within. Clay-grit seam noted at 313.90 m at 30 degrees to the core axis. The section is weakly carbonatized and silicified with traces of pyrite and hematite.							
313.90	333.35	BASALT	33670	313.90	314.90	1.00	NIL	.035	.04
			33671	316.50	317.50	1.00	TR	.040	.04
313.90	333.35	Pillowed flow. Aphanitic green pillows with well developed chloritic +/- epidote and quartz-carbonate veined selvages. Often 1 to 2% pyrite at selvages associated with veining. Nonmagnetic throughout.	33672	319.30	320.30	1.00	TR	.140	.14
			33673	320.30	321.30	1.00	TR	.090	.09
			33674	321.30	322.20	.90	TR	.090	.10
			33675	322.20	323.20	1.00	TR	.060	.06
			33676	323.20	324.20	1.00	TR	.130	.13
			33677	324.20	325.20	1.00	TR	.080	.08
			33678	325.20	326.20	1.00	TR	.040	.04
			33679	326.20	327.00	.80	TR	.048	.06
			33680	327.00	328.00	1.00	TR	.090	.09
			33681	328.00	329.00	1.00	TR	.140	.14
			33682	329.00	330.00	1.00	TR	.140	.14
			33683	330.00	331.00	1.00	TR-1	.040	.04
			33684	331.00	332.00	1.00	TR	.070	.07
			33685	332.00	332.80	.80	TR	.048	.06
			33686	332.80	333.35	.55	TR	.011	.02
333.35	341.45	HIGH MAG BASALT	33687	333.35	334.35	1.00	1	.070	.07
			33688	334.35	335.35	1.00	TR-1	.070	.07
333.35	341.45	Pillowed flow. Aphanitic to very fine grained pillows with well developed	33689	335.35	336.35	1.00	TR-1	.050	.05
			33690	336.35	337.35	1.00	1	.050	.05

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t	
		brecciated and often silicified selvages containing 1 to 2% pyrite. The pillows are generally grey-green with a faint purple hue. Pillows are moderately to strongly magnetic throughout. Brecciated and silicified selvages are carbonate rich. No distinct contact between overlying and underlying flows. The section from 340.78 to 341.03 is buff brown in colour with 3 to 5% finely disseminated pyrite and needle-like minerals, possibly calcite after ?.	33691	337.35	338.35	1.00	TR-1	.100	.10
			33692	338.35	339.35	1.00	1	.140	.14
			33693	339.35	340.35	1.00	TR	.350	.35
			33694	340.35	341.45	1.10	2-3	.418	.38
341.45	380.09	BASALT							
		341.45 380.09 Pillowed flow. Aphanitic to very fine grained pillows with well developed selvages. Nonmagnetic throughout. From 341.45 to 353.20 m the selvages are often epidote rich with calcite +/- quartz stringers and blebs containing 1 to 2% pyrite. Below 353.20 m the flow becomes siliceous with generally narrow, 1 to 2 cm, selvages. Traces of chalcopyrite noted within selvages associated with veining. Selvages are selectively sampled.	33695	341.45	342.55	1.10	1	.077	.07
			33696	344.80	345.40	.60	TR-1	.072	.12
			33697	346.45	347.05	.60	TR	.048	.08
			33698	349.90	350.70	.80	1	.064	.08
			33699	359.60	360.20	.60	TR-1	.054	.09
			33700	366.20	366.80	.60	TR-1	.048	.08
			33701	369.20	369.90	.70	TR-1	.035	.05
		33702	376.40	377.25	.85	TR-1	.068	.08	
380.09		END OF HOLE.							

Property: Foster-Harley  
 Township: Harker  
 Claim #: L-738091  
 NTS: 32D/5

DIAMOND DRILL RECORD

Hole #: MC.89-481

Survey Co-ords: 2712.0 8229.5  
 Cut-Grid Co-ords: 18+05E 19+71S  
 Section: 18+00E  
 Elevation: 4997.0  
 Measurement: Metric

Date Logged: April 1989  
 Logged by: G. Potts  
 Signature: *G. Potts*

Azimuth: 358.5  
 Dip: -55.0  
 Length: 296.0

Contractor: Philippon  
 Core Size: BQ  
 Date Started: March 23, 1989  
 Date Completed: April 3, 1989

Core Stored At: Holt-McDermott  
 Comments: Casing pulled

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-53.5	137.16		-51.5	228.60		-52.5
91.44		-51.5	182.88		-51.5	274.32		-52.0

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

.00 56.00 OVERBURDEN.  
 56.00 60.20 RUBBLE ZONE - MAG.  
 60.20 69.21 HIGH MAG BASALT.  
 69.21 69.87 MAFIC SYENITE.  
 69.87 71.51 VARIABLY SILICIFIED ZONE - MAG.  
 71.51 98.52 HIGH MAG BASALT.  
 98.52 99.49 Mafic intrusive.  
 99.49 135.24 HIGH MAG BASALT.  
 135.24 139.80 GHOSTMOUNT MINERALIZED ZONE.  
 139.80 154.25 HIGH MAG BASALT.  
 154.25 160.32 BASALT.  
 160.32 172.30 HIGH MAG BASALT.  
 172.30 193.67 BASALT.  
 193.67 212.14 HIGH MAG BASALT.  
 212.14 217.31 BASALT.  
 217.31 258.10 HIGH MAG BASALT.  
 258.10 271.12 BASALT.  
 271.12 277.72 GHOSTMOUNT NORTH ZONE.  
 277.72 287.00 BASALT.  
 287.00 294.39 HIGH MAG BASALT.  
 294.39 295.96 BASALT.  
 295.96 END OF HOLE.

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

.00 56.00 OVERBURDEN

The actual depth of casing is unknown.

56.00 60.20 RUBBLE ZONE - MAG.

Fine to medium grained, green to brown weathered massive, magnetic basalt. The entire section is highly rubbled and fractured with limonite fracture coatings.

60.20 69.21 HIGH MAG BASALT

33703	68.61	68.91	.30	NIL	.030	.10
33704	68.91	69.21	.30	TR	.024	.08

60.20 61.57 Fine to medium grained massive flow. Dark green, strongly magnetic, pervasively carbonatized flow. Upper contact in rubble, lower is ground.

61.57 66.50 Pillowed flow. Dark green, fine grained, strongly magnetic flow. Well developed 1 cm wide chloritized pillow selvages. Common 1 to 8 mm diameter subrounded calcite amygdules. Rare - common ( 1% ) hairline calcite and calcite plus epidote fracture filling at various degrees to the core axis. Rare hematite along fractures of a small brecciated zone from 66.07 to 66.14. Weakly chloritized flow. Small silicified patches commonly associated with pillow selvages. Rare irregular quartz-carbonate veining.

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

Trace masses of finely disseminated pyrite throughout.

66.50 69.21 Fine grained massive flow. Dark green, strongly magnetic, weakly chloritized flow. Upper contact distinct but not sharp at 50 degrees to the core axis. 1 to 5% 0.5 to 1 mm long needle to lath like feldspar grains at upper contact decrease down section and disappear at 67.24. Rare calcite amygdules. Common ( 1 - 3% ) calcite and epidote plus calcite hairline to 5 mm wide fracture fillings and veinlets at various degrees to the core axis. Calcite veinlets commonly at 35 degrees to the core axis, epidote and calcite veinlets are more irregular. Hairline calcite filled fractures offset the epidote - calcite veinlet by 3 mm. Trace finely disseminated pyrite throughout.

67.88 67.93 : a small brown feldspar rich vein at 70 degrees to the core axis. Upper and lower contacts sharp and highly fragmented with 10 to 20% host fragments in the vein. Noncarbonatized vein. No visible sulphides.

68.61 68.87 : a 1 to 2 cm wide reddish-pink calcite plus feldspar vein at 12 degrees to the core axis. 1 to 5% 0.5 mm black nonmagnetic grains along the contact which appear to be weathering out. No visible sulphides.

69.21 69.87 MAFIC SYENITE

33705 69.21 69.87 .66 1-3 .053 .08

Red green, medium grained, nonmagnetic, intrusive. Both upper and lower contacts are at a zone of strong irregular carbonate veining and associated 5 to 8% fine grained pyrite crystals. Upper contact at 2 cm wide irregular zone of carbonate veining. Lower contact at a stronger carbonatized zone. 40 to 50% red-brown 0.5 to 1 mm diameter feldspar (?) grains. Brick red colour appears to be due to an alteration in areas as it is directly associated with fractures. 10 to 20% highly chloritized 1 to 3 mm diameter irregular masses. 1 to 3% fine grained pyrite crystals. Remainder is fine grained and appears mafic rich. 1 to 3% hairline to 3 mm wide calcite fracture fillings commonly at 28 degrees to the core axis.

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
69.87	71.51	VARIABLELY SILICIFIED ZONE - MAG						
			33706	69.87	70.13	.26 5-10	.029	.11
			33707	70.13	70.76	.63 1-3	.302	.48
		Dark grey green, fine grained, highly magnetic flow. Intense carbonatization at upper contact decreasing down section to brecciated material. Sharp distinct lower contact at 50 degrees to the core axis.	33708	70.76	71.21	.45 TR	.045	.10
			33709	71.21	71.51	.30 TR	.036	.12
69.87	70.13	Carbonate veining. Pinkish grey calcite veining with 5 to 10% chloritic, pervasively carbonatized wispy host material. Common patches of battleship grey highly silicified massives. 5 to 10% fine grained pyrite crystals throughout. Irregular upper contact but generally at 65 degrees to the core axis. Lower contact at broken core.						
70.13	70.76	Brecciated. Upper 10 cm is dark green, moderately chloritized, weakly brecciated, blocky, highly fractured core core with some highly carbonatized core fragments as described above from 69.87 to 70.13. Strong red-brown highly carbonatized fragmental vein material with common small purple-brown highly silicified fragments occurring from 70.23 to 70.55. Minor epidote veining and 3 to 5% finely disseminated pyrite associated. From 70.55 to 70.76 the rock is dark grey, hard and brecciated with wispy chlorite fracture filling between the silicified fragments. Trace -1% finely disseminated pyrite associated. Throughout, 5 to 10% 0.5 to 3 mm irregular calcite stringers.						
70.76	71.21	Veining. 5 to 10% brick red fracture fillings at various degrees to the core axis, generally trending along the core axis. Associated with the red-brown fracture filling is 10 to 20% masses of epidote rich vein material. 5 to 10% hairline to 3 mm wispy calcite veinlets. Host is fine grained dark green and weakly to moderately chloritized. Trace finely disseminated pyrite associated with the red-brown and epidote veining.						
71.21	71.51	Brecciated. Dark grey, fine grained, highly magnetic, hard flow. Small carbonate amygdules noted. 3 to 5% irregular calcite						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		fracture fillings at various degrees to the core axis produces a weak brecciation. Trace finely disseminated pyrite.							
71.51	98.52	HIGH MAG BASALT	33710	72.60	73.72	1.12	TR	.157	.14
			33711	74.53	74.83	.30	TR	.027	.09
71.51	75.62	Amygdaloidal flow. Dark green, highly magnetic, fine grained, massive flow. Common (1-3%) calcite and calcite plus epidote veining commonly at 55 degrees to the core axis. Small local purple - brown silicified patches associated with veining appears as a replacement texture. Trace finely disseminated pyrite throughout, up to 1% in silicified zones associated with carbonate veining. Small local feldspar zone, 60 degrees to the core axis at 73.00. Foliation 40 degrees to the core axis at 75.49. Lower contact gradational into fine grained massive flow.	33712	75.28	75.58	.30	TR	.036	.12
			33713	78.09	78.49	.40	TR	.056	.14
			33714	83.03	83.33	.30	TR	.030	.10
			33715	83.33	83.98	.65	TR	.046	.07
			33716	83.98	84.98	1.00	TR	.100	.10
			33717	84.98	85.62	.64	TR	.051	.08
			33718	85.62	86.08	.46	TR	.041	.09
			33719	86.08	87.32	1.24	TR	.074	.06
			33720	87.32	88.48	1.16	TR	.093	.08
			33721	88.48	89.53	1.05	TR	.147	.14
			33722	89.53	90.54	1.01	TR	.101	.10
			33723	90.54	91.54	1.00	TR	.130	.13
			33724	91.54	92.10	.56	TR	.067	.12
			33725	92.10	93.09	.99	TR	.129	.13
74.53	74.76	: a 5 cm zone of quartz - carbonate veining at 70 degrees to the core axis and associated possible silicification of host rock. Trace finely disseminated pyrite. Wispy chlorite fracture fillings at 60 degrees to the core axis cut the silicified zone. Silicification is a battleship grey mottled texture.	33726	93.09	94.33	1.24	TR	.074	.06
			33727	96.53	97.25	.72	TR	.043	.06
			33728	97.25	98.22	.97	TR-1	.058	.06
			33729	98.22	98.52	.30	1	.015	.05
75.62	81.50	Fine grained massive flow. Dark grey green, highly magnetic, massive rock. Common epidote and epidote plus calcite veining at various degrees to the core axis. Highly irregular wispy veinlet. The epidote plus calcite veinlets are cut by calcite plus hematite fracture fillings at 10 to 20 degrees to the core axis. Trace finely disseminated pyrite throughout.							
78.14	78.30	: a brecciated zone with 60 to 70% angular, hard (siliceous?) fragments surrounded by intensely pervasively carbonatized fine grained material. The host rock surrounding the brecciated zone is strongly carbonatized (pervasively). 1% masses of fine grained pyrite occur within the brecciated zone.							
81.50	83.03	Fine to medium grained massive flow. Dark green, patchy weak magnetics. Massive,							

From	To	Description	Sample	From	To	Length % Sul	GW	Au g/t
		nonfoliated flow. Rare epidote plus calcite veining. Gradational upper contact, lower contact at a quartz vein and break in the core. Trace finely disseminated pyrite and pyrrhotite masses throughout.						
83.03	96.53	Flow breccia. Dark green, fine to medium grained variably brecciated zone. Weak to moderate patchy magnetics, generally weakly magnetic. Weakly to highly foliated with foliation generally increasing down section. Rare ( less than 1% ) hairline calcite and epidote plus calcite fracture fillings at various degrees to the core axis increasing down section. Up to 20% rounded 1 to 8 mm diameter glassy quartz grains. The rounded quartz grains are probably amygdules and some have minor calcite within. Some of the grains rimmed by milky white quartz as pressure shadows. Up to 25% fine grained ( less than 1 mm diameter ) green grey feldspar grains noted. Trace finely disseminated pyrite throughout, commonly rimming the quartz amygdules. Very fine grained weakly to moderately chloritized and epidotized ( in areas ) wispy mafic matrix. Hematite commonly found along fracture planes. Much of the unit has a shard like texture of varying degrees. Upper contact at a 1 cm wide quartz vein at 62 degrees to the core axis. 1% pyrite as fracture fillings associated with the upper contact. Possible flow top, as gradational down section to an amygdular and variolitic flow.						
83.03	83.93	: a weakly brecciated zone suggested by a wispy fine grained fragmental texture with rare amygdules ( less than 1% ), 15 to 25% subrounded 0.5 to 1 mm diameter green grey feldspar grains. Weakly magnetic. 1% irregular hairline to 3 mm diameter calcite fracture fillings. Foliation 48 degrees to the core axis at 83.27.						
83.93	85.62	: a weakly foliated zone with patchy magnetism decreasing down section. Foliation 48 degrees to the core axis at 84.31. 3 to 5% 1 to 8 mm diameter dark grey glassy quartz amygdules. From 84.25 to 84.35 10% dark brown highly magnetic rounded patches of probable fine grained magnetite. Moderate brecciation produced by wispy chloritic stringers around 1 to 3 mm diameter subrounded fragments and possible feldspar						



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		grains.							
85.62	86.08	: pervasive carbonatization section. Moderately foliated at 60 degrees to the core axis. Moderately brecciated, chloritized groundmass with 5 to 8% rounded, quartz grains. Rare calcite stringers. Patchy weak magnetics.							
86.08	88.48	: moderately foliated zone with patchy weak magnetics and 10 to 15% 0.5 to 1 mm diameter rounded quartz fragments. Rare calcite veining. Moderately to highly brecciated zone with subrounded to rounded fine grained mafic fragments containing quartz amygdules. Matrix is fine grained, wispy and chloritic. Foliation 60 degrees to the core axis at 87.88.							
88.48	90.54	: intensely brecciated zone. 10 to 15% quartz amygdules in a fine grained olive green hard groundmass suggestive of epidotization. Epidotization as wispy stringers producing a strong brecciation texture with angular to subrounded chloritized masses. 1% quartz veining at 80 to 90 degrees to the core axis. Weakly foliated at 50 to 60 degrees to the core axis							
90.54	92.10	: pervasive carbonatization. Moderately to highly foliated at 60 degrees to the core axis. 5 to 10% 1 to 20 mm wide carbonate veinlets commonly at 50 degrees to the core axis. 10 to 15% rounded quartz grains in a fine grained weakly chloritized groundmass. Highly brecciated.							
92.10	96.53	: a moderately brecciated and foliated zone at 60 degrees to the core axis with 5 to 8% quartz grains. Rare hairline carbonate filled fractures. 1% 2 to 5 mm diameter grey rounded feldspar grains are noted. The feldspars possibly represent variolites as noted down section. Brecciation decreases down section and lower contact is gradational to a foliated basalt.							
96.53	98.52	Amygdaloidal flow. Dark grey-green, fine grained, moderately magnetic flow. 1% scattered feldspar and possibly quartz rounded amygdules. The amygdules appear as possible variolites. The unit is weakly foliated at the upper contact at 45 to 50 degrees to the core axis. Foliation decreases down section to a massive flow with small local foliated patches. Intense carbonatization as hairline fracture							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		fillings. Trace -1% fine grained, pyrite crystals throughout. At lower contact the host has 40-50% silicification and 1 to 2% medium grained euhedral pyrite.							
98.52	99.49	MAFIC INTRUSIVE	33730	98.52	99.49	.97	NIL	.049	.05
		Light grey-green, medium grained, nonmagnetic intrusive. Lower contact at a 1 cm wide felsic vein at 53 degrees to the core axis. 40 to 50% 0.5 to 1 mm diameter greenish-grey feldspar grains in a fine grained moderately chloritized groundmass. A milky white quartz vein at 65 degrees to the core axis from 99.05 to 99.16. No visible sulphides.							
99.49	135.24	HIGH MAG BASALT							
			33731	99.49	99.95	.46	1	.018	.04
			33732	102.50	103.33	.83	1	.058	.07
99.49	99.95	Foliated. Dark grey green, fine grained, highly magnetic section. Intensely foliated at 48 degrees to the core axis. Highly carbonatized as hairline carbonate filled fractures along and cutting the foliation. Brick red, hard irregular fracture fillings at various degrees to the core axis. Possible pervasive silicification ( 50% SILICIFIED - 60% SILICIFIED ). 1% finely disseminated pyrite and chalcopryrite throughout.	33733	105.07	105.37	.30	TR-1	.090	.30
			33734	107.60	108.81	1.21	TR	.157	.13
			33735	110.75	111.75	1.00	1	.070	.07
			33736	114.41	115.25	.84	1	.050	.06
			33737	117.03	118.03	1.00	TR	.070	.07
			33738	118.03	118.69	.66	TR-1	.046	.07
			33739	118.69	119.25	.56	TR-1	.062	.11
			33740	119.25	120.25	1.00	TR	.070	.07
			33741	120.25	120.80	.55	1	.127	.23
			33742	122.29	122.75	.46	TR	.037	.08
			33743	124.33	124.93	.60	TR-1	.036	.06
			33744	126.96	127.49	.53	TR-1	.048	.09
99.95	111.78	Amygdaloidal flow. Dark grey-green, fine grained, highly magnetic flow. 1 to 2% scattered rounded to subhedral feldspar and quartz plus feldspar amygdules up to 1 cm in diameter. A weak radiating texture is visible in some of the quartz rich amygdules. The amygdules coalesce at the lower contact suggesting possible variolites. The upper contact is gradational into a foliated zone and the lower contact is at broken core. Moderately to highly carbonatized. Carbonatization as common ( 10 to 15% ) hairline to 3 mm wide calcite fracture fillings at various degrees to the core axis. Down section, the	33745	128.29	128.72	.43	TR-1	.215	.50
			33746	130.21	130.76	.55	TR	.066	.12
			33747	130.76	131.76	1.00	1	.120	.12
			33748	131.76	132.08	.32	1-3	.048	.15
			33749	132.08	132.66	.58	TR	.081	.14
			33750	132.66	133.15	.49	NIL	.064	.13
			33751	133.15	134.24	1.09	TR	.120	.11
			33752	134.24	135.24	1.00	TR	.370	.37

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		rock becomes pervasively carbonatized (strong). Local silicified patches throughout. Generally massive with small local foliated patches. Trace finely disseminated pyrite and chalcopyrite throughout. Foliation 45 degrees to the core axis at 106.30, 30 degrees to the core axis at 107.65.							
102.50	103.33	80% SILICIFIED. Dark purple-grey to black section. 10 to 15% grey (1-10 mm wide) quartz veining at 60 to 90 degrees to the core axis with minor carbonate. Rare - common calcite fracture fillings (1%) at various degrees to the core axis. 1% finely disseminated pyrite and pyrite masses along quartz vein margins. Weak to moderate foliation at 40 to 50 degrees to the core axis. Section has a pervasive silicification. Gradational contacts with hard (possibly weakly silicified?) basalt							
105.13	105.35	: silicified zone (60% SILICIFIED - 70% SILICIFIED) down section from a 7 cm wide zone of quartz veining, associated brecciation and minor carbonate veining. Up section from the veining the host is moderately chloritized. Down section the host appears pervasively silicified with a purple-grey colour. Trace finely disseminated pyrite throughout, up to 1% associated with the quartz veining. Weakly carbonatized.							
108.02	108.80	: weakly to moderately foliated zone at 45 degrees to the core axis. Moderately chloritized, highly carbonatized (pervasive carbonatization) mafic host. Weak brecciation throughout with chloritic wispy stringers as matrix for chloritized mafic host fragments and possible feldspar fragments.							
109.18	110.72	: blocky, highly fractured core with rubbled sections from 109.66 to 109.88 and 110.56 to 110.72. Vuggy weathered out carbonate veins noted. Rock goes from chloritized to weakly silicified down section. Trace finely disseminated sulphides.							
110.65	111.78	: variolite rich section. 10 to 15% 5 to 10 mm variolites coalescing down section to up to 70% of the core length. 40% SILICIFIED - 50% SILICIFIED silicification over the zone and intense pervasive carbonatization. 1% finely disseminated							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		pyrite throughout.							
111.78	118.03	Fine grained massive flow. Dark grey-green, highly magnetic flow. Highly carbonatized as hairline fracture fillings and commonly pervasively. Common (1-3%) 1 to 3 mm wide calcite fracture fillings at various degrees to the core axis commonly producing a brecciated texture. Hard battleship grey section suggests possible silicification.							
114.51	115.22	: a brecciated zone with 8 to 10% calcite stringers as matrix for weakly chloritized angular to subrounded fragments.							
118.03	119.25	Brecciated. Dark grey-green with purple-grey section. Moderately magnetic, highly carbonatized, silicified rock. Carbonatization as hairline to 3 mm diameter stringers separating mafic fragments. A possibly older brecciation texture is evident as fine grained wispy fragmental material with no carbonate matrix but wispy chloritic matrix. This older breccia ( possible flow breccia ) is hard and appears pervasively silicified ( 60% SILICIFIED - 70% SILICIFIED ). Trace finely disseminated pyrite throughout with local concentrations as fracture fillings. Upper contact in broken core, lower contact gradational. Weak foliation at 50 to 60 degrees to the core axis.							
119.25	130.80	Fine grained massive flow. Grey-green, highly magnetic flow. Generally nonfoliated with small local weakly foliated patches. Weak to moderate chloritization throughout with small local purple-grey harder patches of weak pervasive silicification. Highly carbonatized as hairline to 3 mm wide calcite fracture fillings at various degrees to the core axis. Pervasive carbonatization common and generally decreases down section. Trace finely disseminated pyrite throughout with local concentrations associated with calcite fracture fillings.							
119.45	119.68	: a small zone of weak brecciation produced by strong hairline calcite fracture fillings with patchy weak silicification ( 20% SILICIFIED - 30%							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		SILICIFIED overall ). Trace finely disseminated pyrite.							
120.28	120.53	: a 2 cm wide zone of quartz - carbonate veining at 12 degrees to the core axis and 1 to 3% finely disseminated pyrite associated. Strong pervasive carbonatization.							
122.40	122.61	: small zone of weak foliation and brecciation. Foliation at 50 to 60 degrees to the core axis. Strong pervasive carbonatization, trace finely disseminated pyrite.							
124.45	124.75	: breccia zone with 30 to 40% quartz-carbonate stringers separating angular silicified mafic fragments. Host rock has a battleship grey colour and is harder than surrounding material ( weak pervasive silicification ) from 124.33 to 124.75.							
126.64	127.25	: blocky, highly fractured core.							
126.96	127.49	: zone of 3 small quartz veins and associated weak pervasive carbonatization of adjacent host. Trace -1% finely disseminated pyrite.							
130.80	132.08	Carbonate - quartz veining. 10 to 15% 1 to 5 mm diameter carbonate stringers with minor quartz at various degrees to the core axis. Produces a moderate brecciation from 131.27 to 131.70. 60-70% silicification. 1% finely disseminated pyrite throughout, with local sections up to 3% pyrite masses associated with veining. Highly magnetic.							
132.08	132.66	Fine grained massive flow. Dark green, highly magnetic weakly chloritized flow. Nonfoliated, 1% hairline to 3 mm wide calcite fracture fillings. Gradational upper contact, lower contact with intrusive is highly irregular. Trace finely disseminated pyrite. 1% finely disseminated buff leucoxene grains ( 0.5 mm diameter ) at lower contact.							
132.66	133.15	MAFIC SYENITE. Brick red, fine grained, nonmagnetic, pervasively carbonatized intrusive. Distinct lower contact at 35 degrees to the core axis. Nonfoliated. 50 to 60% 0.5 mm feldspar grains in a fine grained mafic groundmass. No visible sulphides.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
133.15	135.24	Fine grained massive flow. Dark grey green, highly magnetic, moderately chloritized flow. Massive (nonfoliated). 1 to 2% hairline to 1 mm calcite fracture fillings at various degrees to the core axis. Pervasive carbonatization at lower contact. Trace finely disseminated pyrite throughout.							
135.24 139.80 GHOSTMOUNT MINERALIZED ZONE									
			33753	135.24	135.77	.53	TR-1	.625	1.18
			33754	135.77	136.14	.37	TR	.092	.25
			33755	136.14	136.55	.41	TR-1	.045	.11
			33756	136.55	137.14	.59	TR	.088	.15
			33757	137.14	137.54	.40	TR	.056	.14
			33758	137.54	138.16	.62	TR	.186	.30
			33759	138.16	138.99	.83	TR	.141	.17
			33760	138.99	139.29	.30	1	.135	.45
			33761	139.29	139.80	.51	TR	.056	.11
		Greenish buff zone with pinkish grey patches. Generally nonmagnetic with weak magnetic patches at the upper and lower contacts. Upper contact at a 1 cm wide quartz vein at 60 degrees to the core axis. Lower contact is rather gradational. Intense pervasive carbonatization throughout and highly chloritized. The weak buff colour may suggest minor sericite. Small local pinkish grey silicified patches near the upper and lower contacts. In general silicification increases down section. Intensely brecciated throughout with wispy chloritic stringers separating 80 to 90% fragments (highly chloritized). Highly foliated near the clay-grit seam. 1% calcite stringers with local concentrations in the foliated section. Trace finely disseminated pyrite throughout with local concentrations associated with the silicified sections.							
135.24	135.77	40% SILICIFIED. Pinkish grey-green silicified patches with 1% finely disseminated pyrite associated (trace overall). 1% calcite fracture fillings.							
135.77	137.14	Chloritic. 1 to 2% calcite fracture fillings, trace finely disseminated pyrite.							
137.14	137.54	GHOSTMOUNT FAULT ZONE. Highly foliated at 50 to 60 degrees to the core axis. 1 to 3% calcite fracture fillings along foliation. Clay-grit seam in rubble at 137.22 to 137.25. Trace finely disseminated pyrite. Highly chloritic with small silicified patches associated with veining (10% SILICIFIED).							
137.54	138.99	10% SILICIFIED. Highly chloritic with rare small silicified patches associated with							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		veining. Trace finely disseminated pyrite throughout. Rare calcite fracture fillings.							
138.99	139.80	40% SILICIFIED. Pinkish grey silicified patches with up to 1% finely disseminated pyrite associated (trace overall). Rare calcite fracture fillings.							
<b>139.80 154.25 HIGH MAG BASALT</b>									
			33762	139.80	140.67	.87	TR	.061	.07
			33763	140.67	141.36	.69	TR	.642	.93
139.80	140.67	Fine grained massive flow. Light green, highly magnetic, moderately chloritized flow. 1 to 2% hairline calcite fracture fillings, strong pervasive carbonatization. Trace finely disseminated pyrite.	33764	141.36	142.56	1.20	TR	.528	.44
			33765	142.56	143.59	1.03	TR	.360	.35
			33766	147.92	148.72	.80	TR	.280	.35
			33767	148.72	149.04	.32	TR	.102	.32
			33768	149.04	149.45	.41	TR	.115	.28
			33769	149.45	150.14	.69	TR	.214	.31
			33770	150.14	150.70	.56	TR	.168	.30
140.67	141.36	Veining. 1 to 5% hairline to 2 mm wide calcite fracture fillings at various degrees to the core axis. 5 to 10% greenish buff felsic (quartz?) 1 to 3 mm wide fracture fillings commonly at 50 degrees to the core axis. 1 cm wide quartz vein is centered on the veined zone. Highly magnetic, trace finely disseminated pyrite. Veining produces a weak brecciation	33771	150.70	151.91	1.21	TR	.375	.31
			33772	151.91	152.91	1.00	1	.310	.31
			33773	152.91	153.91	1.00	1	.290	.29
141.36	148.72	Fine grained massive flow. Dark green, moderately magnetic, pervasively carbonatized flow. Strong magnetism becomes patchy and weak down section. Moderately chloritized with small local weakly pink green silicified patches (pervasive silicification). Rare 1 to 3 mm wide calcite stringers increase to 1 to 3% over the last metre. Trace finely disseminated pyrite throughout.							
148.72	149.04	Fault zone. Dark green, nonmagnetic, pervasively carbonatized, brecciated zone. A thin clay-grit seam on a fracture at 148.81 at 65 degrees to the core axis. Strong brecciation and calcite fracture filling up section from the clay-grit seam. Down section from the clay-grit seam the brecciation increases and calcite fracture filling is common at various degrees to the core axis. Possible flow							

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		breccia host as several subrounded fragments noted. Highly chloritized fragments in a fine grained chloritic matrix. Trace finely disseminated pyrite.						
149.04	149.45	Fine grained massive flow. Dark green, nonmagnetic, pervasively carbonatized, massive flow. Highly chloritized, 1 to 5% calcite fracture filling.						
149.45	150.14	Flow breccia. Dark green, nonmagnetic, pervasively carbonatized, moderately chloritized rock. Possible pillow selvage ( chloritized ) noted. Fine grained wispy chloritic matrix with chloritic subrounded fragments. Trace finely disseminated pyrite. Upper contact distinct at 58 degrees to the core axis, lower contact at a zone of irregular quartz veining.						
150.14	150.70	MAFIC SYENITE. Reddish-pink, nonmagnetic, pervasively carbonatized intrusive. Upper contact at an irregular zone of quartz-carbonate veining ( 1 to 2 cm wide ) generally at 30 degrees to the core axis. 1% finely disseminated pyrite masses associated with the veining. 30 to 40% reddish-pink feldspar grains, 10 to 20% 0.5 to 2 mm diameter chlorite masses in a fine grained chloritized groundmass. Trace finely disseminated pyrite. Lower contact distinct and sharp at 65 degrees to the core axis.						
150.70	151.91	Flow breccia. Same as described above from 149.45 to 150.14. Stronger brecciation. Gradational lower contact into an amygdular flow.						
151.91	154.25	Amygdaloidal flow. Dark green, fine grained, magnetic flow. Patchy weak magnetics throughout. Weakly chloritized with less than 1% hairline to 1 mm carbonate fracture fillings. 5 to 10% 1 to 15 mm diameter calcitic amygdules scattered throughout with local patches of high concentrations. Rare rounded cherty amygdules similar to those up section noted. 1% finely disseminated pyrite and pyrite plus pyrrhotite masses along fractures. Gradational lower contact into a nonmagnetic flow.						



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

154.25 160.32 BASALT

154.25 160.32 Fine grained massive flow. Dark green, nonmagnetic, massive flow. Weakly carbonatized as rare hairline 1 mm calcite fracture fillings with very fine grained brick red material along the vein edge. Weakly to moderately chloritized. Trace finely disseminated pyrite throughout. Thin pyrite masses as fracture fillings. Upper contact appears gradational but may be at broken core or a zone of thin carbonate veining.

160.32 172.30 HIGH MAG BASALT

33774 169.82 170.10 .28 TR-1 .106 .38

160.32 172.30 Fine to medium grained massive flow. Dark green, highly magnetic. Upper contact with nonmagnetic flow is gradational from non to weakly to highly magnetic. Poorly carbonatized as irregular calcite fracture fillings. Common (1%) wispy thin epidote plus quartz veining at various degrees to the core axis. Grain size increases down section generally. 30 to 40% 0.5 to 2 mm diameter globular chloritized grains, 10 to 15%, 0.5 to 2 mm diameter globular feldspar grains in a fine grained groundmass. Trace finely disseminated pyrite throughout.

169.85 169.98 : zone of wispy calcite plus epidote plus minor quartz at 48 degrees to the core axis. Strong local foliation associated at 48 degrees to the core axis. 1% finely disseminated pyrite.

172.30 193.67 BASALT

33775 179.94 181.02 1.08 TR-1 .346 .32  
33776 181.02 182.24 1.22 TR-1 .329 .27  
33777 182.24 183.05 .81 TR-1 .202 .25

Upper contact noted at a zone where magnetism is

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		lacking. Gradational contact from highly to weakly to nonmagnetic basalt. Same as described above from 160.32 to 172.30.	33778	183.05	183.84	.79	TR-1	.197	.25
			33779	186.82	187.15	.33	TR	.079	.24
			33780	192.04	192.78	.74	1	.192	.26
179.95	183.84	Flow breccia. Greenish-grey, nonmagnetic rock. Upper contact indistinct in a zone of late brecciation and strong veining. Lower contact gradational in possible pillow selvage material. 80% subrounded to angular mafic fragments with 20% highly silicified matrix. Massive sections possibly represent larger pillow fragments. Weakly carbonatized as rare calcite fracture fillings. Trace -1% masses of finely disseminated pyrite throughout. Common 1 to 3 mm diameter rounded calcite amygdules.							
182.65	182.66	Clay-grit seam. Thin hematite rich clay-grit seam on a thin fracture at 50 degrees to the core axis.							
183.84	186.37	Amygdular. Dark green, nonmagnetic, fine grained flow. 5 to 10% scattered 0.5 to 3 mm diameter amygdules generally developing down section. Commonly calcitic amygdules, rare dark grey cherty rounded amygdules down section. Weak carbonatization as hairline to 3 mm diameter calcite fracture fillings. Rare wispy epidote veining. Veining decreases down section. Lower contact grades to a fine grained massive flow. Trace finely disseminated pyrite throughout. Pyritic amygdules common.							
186.09	186.10	Clay-grit seam. 3 mm wide hematite rich clay-grit seam at 50 degrees to the core axis. Slightly stronger chloritization down section from the fault gouge.							
186.37	192.04	Fine grained massive flow. Dark green, nonmagnetic, massive flow. Rare calcite fracture fillings, weakly chloritized. Trace finely disseminated pyrite throughout							
192.04	192.78	Flow top breccia. Grey-green, nonmagnetic, weakly brecciated zone. Upper contact at a zone of veining appears to be at 45 degrees to the core axis. Lower contact gradational, placed at a quartz - carbonate - epidote vein. Pillow selvages noted, as well as silicified fragmental material. Section appears pervasively silicified ( 60% SILICIFIED to 70%							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		SILICIFIED ). 1% finely disseminated pyrite throughout with local pyrite masses.							
192.78	193.67	Pillowed flow. Dark green, nonmagnetic, fine grained flow. Trace -1% finely disseminated pyrite associated with chloritic pillow selvages. Gradational contact with amygdaloidal flow down section. Rare calcite fracture fillings.							
193.67	212.14	HIGH MAG BASALT							
			33781	194.59	195.13	.54	1	.119	.22
			33782	203.25	203.80	.55	TR	.105	.19
193.67	196.24	Amygdaloidal flow. Dark green, fine grained flow. Patchy moderate magnetism. 1 to 5% 1 to 2 mm diameter rounded calcite amygdules generally decreasing down section. Rare calcite fracture fillings generally decreasing down section. Gradational lower contact to fine grained massive flow. Possible pervasive silicification throughout (hard). Trace -1% finely disseminated pyrite. Weakly foliated at 60 degrees to the core axis at 194.78 associated with a small, local chloritized zone.	33783	203.80	204.80	1.00	TR	.210	.21
			33784	204.80	205.15	.35	TR-1	.066	.19
			33785	205.15	205.52	.37	1	.078	.21
			33786	205.52	206.57	1.05	TR	.231	.22
			33787	207.95	208.91	.96	1	.250	.26
			33788	210.42	211.02	.60	1	.102	.17
196.24	203.25	Fine to medium grained massive flow. Dark grey-green flow with patchy weak magnetics. Rare hairline 2 mm wide calcite fracture fillings. Trace -1% sulphides as 1 mm globular masses of fine grained pyrite and pyrrhotite. Weak to moderate chloritization.							
203.25	205.52	Chloritic. Grey-green, highly chloritized section with patchy strong magnetics. Very fine grained highly chloritized groundmass with 10 to 20% 0.5 to 3 mm diameter dark green subrounded to lensoidal chlorite masses. Trace finely disseminated pyrite. Rare 0.5 to 1 mm diameter rounded amygdules. Upper contact at a 20 cm wide zone of strong brecciation with 30% wispy chloritic matrix and 70% angular chloritized fragments. Strong to moderate pervasive carbonatization throughout, generally decreasing down section. 1% hairline 1 mm wide calcite fracture							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		filling. Gradational lower contact as chloritization decreases.							
204.96	205.02	: carbonate and quartz veining at 38 degrees to the core axis. 1% finely disseminated pyrite associated.							
205.24	205.30	Clay-grit seam. 1 to 2 mm wide clay grit along a fracture at 38 degrees to the core axis.							
205.52	212.14	Fine grained massive flow. Dark green, magnetic, massive flow. Weak to moderate chloritization, weak carbonatization as rare hairline to 3 mm wide calcite and calcite plus epidote fracture filling. Common wispy chlorite fracture filling associated with local concentration of fine grained pyrite masses. Trace finely disseminated pyrite overall. Gradational lower contact to nonmagnetic flow.							
212.14 217.31 BASALT									
212.14	217.31	Fine grained massive flow. Dark green, nonmagnetic, massive flow. Weak chloritization, weak carbonatization as rare calcite plus epidote fracture filling. 1% epidote plus quartz veining generally at 45 degrees to the core axis. Rare chlorite fracture filling. Trace finely disseminated pyrite throughout. Gradational lower contact to magnetic flow.							
217.31 258.10 HIGH MAG BASALT									
			33789	218.49	218.81	.32	TR	.058	.18
			33790	218.81	219.35	.54	1	.081	.15
217.31	218.81	Fine grained massive flow. Dark greenish-grey, fine grained, highly magnetic flow. Massive ( nonfoliated ), weakly chloritized and weakly carbonatized rock. Carbonatization as rare calcite and calcite plus epidote fracture filling.	33791	219.35	219.85	.50	TR	.080	.16
			33792	233.31	233.61	.30	1	.054	.18
			33793	237.87	238.36	.49	TR-1	.083	.17
			33794	238.36	238.66	.30	5-8	.051	.17
			33795	238.66	238.96	.30	TR	.051	.17
			33796	239.66	240.46	.80	1	.136	.17
			33797	241.05	241.35	.30	5-8	.036	.12
218.81	219.35	60% SILICIFIED. Purple-grey - green, fine grained, highly magnetic silicified section. Intense pervasive	33798	258.08	258.38	.30	1	.042	.14

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		carbonatization, 1% calcite fracture filling decreasing to nil down section. Upper contact at a zone of carbonate veining and strong purple-grey very fine grained silicification. Trace finely disseminated pyrite throughout and 1% associated with carbonate veining and associated silicification. Silicification generally decreases down section.							
219.35	237.87	Fine to medium grained massive flow. Same as described above from 217.31 to 218.81. Grain size increases down section. Coarser sections reveal 30 to 40% 0.5 to 1 mm diameter globular grey feldspar, 30 to 40% 0.5 to 1 mm diameter tabular to globular amphiboles in a fine grained mafic rich groundmass. Trace finely disseminated pyrite throughout. Lower contact gradational.							
237.87	238.36	Chloritic. Dark greenish-grey, fine grained, altered section. Patchy weak magnetics throughout, very fine grained groundmass with 10 to 15% 1 to 3 mm diameter subrounded to angular chlorite masses. Very fine grained groundmass is moderately chloritized. 1 to 3% wispy chlorite fracture filling at various degrees to the core axis. Trace -1% pyrite masses along chlorite fracture filling. Weakly carbonatized as rare calcite fracture fillings.							
238.36	238.66	10% SILICIFIED. Greenish-grey, highly magnetic, brecciated zone centered on a 10 cm zone of calcite veining with minor quartz. Associated with the veining are thin dark grey to black hard patches. Brecciation produced by wispy chlorite fracture filling between weakly to moderately chloritized fragments with weak pervasive silicification. 5 to 10% fine to medium grained pyrite associated with the veining. Veining and associated foliation at 53 degrees to the core axis.							
238.66	238.96	Chloritic. Very fine grained, highly magnetic groundmass with 1 to 2% 1 to 3 mm diameter subrounded to angular chlorite masses and 5 to 10% wispy chlorite fracture filling. Weak carbonatization as							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		rare hairline calcite fracture filling. Trace finely disseminated pyrite throughout. Gradational upper and lower contacts.							
238.96	244.56	Glomeroporphyritic flow. Dark green, medium grained, moderately magnetic porphyritic flow. 5 to 15% glomeroporphyritic greenish-grey 1 to 3 mm diameter feldspar masses in a fine grained weakly to moderately chloritized groundmass. Common ( 5% ) 1 to 3 mm wide wispy chlorite fracture filling decreasing down section. Trace finely disseminated pyrite throughout with local concentration associated with the chlorite fracture filling. Weak carbonatization as rare calcite fracture filling. Glomeroporphyritic feldspar generally decreases down section. Gradational lower contact into fine grained massive flow.							
241.16	241.20	: irregular quartz veining generally at 80 degrees to the core axis. 10 to 15% fine to medium grained pyrite associated with the quartz vein and 1% fine grained pyrite associated with chlorite fracture filling away from the vein.							
244.56	246.69	Fine grained massive flow. Dark green, moderately magnetic massive flow. Rare calcite fracture filling, weak chloritization. Lower contact at a quartz and epidote vein at 28 degrees to the core axis. Trace finely disseminated pyrite.							
246.69	249.09	Glomeroporphyritic flow. Same as described above from 238.96 to 244.56. Rare chlorite fracture fillings, rare calcite fracture fillings. 1% 1 cm wide quartz plus epidote veining commonly at 25 degrees to the core axis. Gradational lower contact into a fine grained massive flow.							
249.09	258.10	Fine grained massive flow. Dark green, highly magnetic, massive flow. Local small patches of weakly magnetic glomeroporphyritic rock with gradational contacts. Weakly chloritized, rare calcite fracture filling, rare thin quartz stringers. Trace pyrite throughout as 0.5 to 1 mm subrounded masses. Magnetics decrease down section to a gradational							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		contact with nonmagnetic rock.							
258.10	271.12	BASALT							
			33799	267.08	267.68	.60	TR	.102	.17
			33800	267.68	267.98	.30	1	.039	.13
258.10	267.68	Glomeroporphyritic. Dark green, nonmagnetic, fine grained groundmass with 15 to 20% 1 to 5 mm diameter greenish-grey glomeroporphyritic feldspar masses. Near upper contact, rare small weakly magnetic patches noted. Rare calcite fracture filling, rare quartz plus epidote veining. Weakly chloritized as 1% wispy chlorite fracture filling. Trace finely disseminated pyrite. Glomeroporphyritic feldspar generally decrease down section. Appears silicified at lower contact.	33801	267.98	268.78	.80	TR	.152	.19
			33802	268.78	269.79	1.01	TR	.141	.14
			33803	269.79	270.39	.60	TR	.096	.16
			33804	270.39	270.69	.30	1	.057	.19
			33805	270.69	271.12	.43	TR	.069	.16
267.28	267.37	: quartz plus carbonate veining at 60 degrees to the core axis. Brecciation associated with the veining. Trace finely disseminated pyrite.							
267.68	271.12	Pillowed flow. Greenish-grey, fine grained, amygdaloidal flow. Common chloritic pillow selvage noted with silicified host adjacent to the selvages. 1% 1 to 5 mm diameter quartz plus calcite amygdules. 1% scattered 0.5 mm grey feldspar laths generally decreasing down section. Rare calcite fracture filling increasing down section to 1%. Trace finely disseminated pyrite throughout. Weakly foliated at 48 degrees to the core axis at 267.92, 50 degrees to the core axis at 269.48 and at 270.55. 50-60% to silicification associated with the upper 10 cm. Upper contact at broken core at 68 degrees to the core axis. Chloritization increases down section towards the lower contact.							
271.12	277.72	GHOSTMOUNT NORTH ZONE							
			33806	271.12	271.57	.45	5-10	.149	.33
			33807	271.57	272.07	.50	1-3	.050	.10
271.12	272.80	Chloritic. Greenish brown, nonmagnetic, moderately to highly foliated rock.	33808	272.07	272.80	.73	TR-1	.095	.13
			33809	272.80	273.31	.51	1-2	.061	.12

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		Foliation at 45 to 50 degrees to the core axis. Intense chloritization and possible sericitization indicated by the brownish colour. Weak to moderate carbonatization as hairline fracture filling and 1 to 3 mm diameter calcite stringers along the foliation. Carbonatization generally increasing down section. Silicification as 1 to 2 cm wide veins at various degrees to the core axis (1 to 3% quartz veining). 10 to 20% wispy chlorite bands generally along the foliation. Trace fine grained pyrite throughout with local concentration associated with chlorite bands and quartz / carbonate veining. 1 to 3% fine grained pyrite overall. Gradational upper contact marked at a zone of calcite veining and weak brecciation.	33810	273.31	274.01	.70	10-15	.098	.14
			33811	274.01	274.31	.30	3-5	.042	.14
			33812	274.31	275.11	.80	1-3	.096	.12
			33813	275.11	275.66	.55	TR	.072	.13
			33814	275.66	276.33	.67	TR-1	.080	.12
			33815	276.33	276.83	.50	1-3	.045	.09
			33816	276.83	277.40	.57	1-3	.046	.08
			33817	277.40	277.72	.32	TR	.029	.09
271.29	271.39	irregular quartz - carbonate veining associated with 5 to 10% fine grained pyrite within the chloritic weakly silicified host rock.							
272.80	273.31	Graphitic. Same as described above from 271.12 to 272.80 with 1 to 5% 3 to 5 mm wide graphite bands along the foliation. 20 to 30% chlorite bands along the foliation at 48 degrees to the core axis. Weak carbonatization as hairline carbonate fracture filling. No silicification noted. 1 to 2% fine grained pyrite masses throughout with local concentrations associated with the graphite bands.							
273.31	274.01	40% SILICIFIED. Greenish brown to black, nonmagnetic, highly foliated, weakly brecciated section. Foliation at 50 to 55 degrees to the core axis. 10 to 15% irregular smokey grey 1 to 3 cm wide quartz veins generally at 55 degrees to the core axis. 10 to 15% 1 to 20 mm wide calcite veining commonly along the foliation. 40 to 50% hard black 1 to 5 cm wide graphitic bands. 10 to 20% greenish brown highly chloritic bands noted between graphitic bands. 10 to 20% greenish brown silicified brecciated fragments. 10 to 15% fine to medium grained pyrite overall as fracture filling along and cutting foliation, rimming silicified fragments and throughout chlorite and graphite bands. At 273.71 very fine grained orange							



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

flakes on pyrite crystals noted.  
Gradational upper and lower contacts.

274.01 277.40 Graphitic. Alternating dark green and black nonmagnetic, fine grained bands. 55 to 65% highly chloritic, massive to weakly foliated, amygdaloidal flow. 5 to 10% possible remenant subrounded 0.5 to 2 mm diameter calcitic amygdules within the chloritized groundmass. Generally amygdules increase down section. Commonly trace finely disseminated pyrite within the chloritized bands. 45 to 55% black, hard possibly graphitic bands. Slightly scratched by a knife to give a black grit. 5 mm to 3.5 cm wide bands are highly fractured with calcite fracture filling at various degrees to the core axis. Commonly 1 to 3% fine grained pyrite masses within the graphite. Rare small local silicified patches noted. Foliation 50 degrees to the core axis at 274.03, 48 degrees to the core axis at 275.95.

276.33 277.40 Brecciated 30 to 40% angular to wispy patches of graphitic material in 60 to 70% fine grained chloritized matrix. 10 to 20% hairline to 3 mm calcite fracture filling. The graphitic material appears as broken up bands. 1 to 3% fine to medium grained pyrite commonly within the graphitic material.

277.40 277.72 70% SILICIFIED. Dark grey, nonmagnetic, highly brecciated section. 10 to 20% hairline to 1 mm diameter calcite fracture filling at various degrees to the core axis. 60 to 70% dark grey 1 to 8 mm diameter angular pervasively silicified fragments within a matrix of fine grained green weakly silicified to chloritized material. Trace finely disseminated pyrite. Gradational upper contact, distinct irregular lower contact generally at 58 degrees to the core axis.

277.72 287.00 BASALT

33818	277.72	278.72	1.00	TR	.080	.08
33819	278.72	279.42	.70	TR	.056	.08
33820	280.43	280.73	.30	TR	.030	.10

277.72 283.02 Amygdaloidal flow. Dark green,

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		nonmagnetic, fine grained flow. 5 to 8% 0.5 to 3 mm diameter calcitic amygdules scattered throughout. Weakly to moderately chloritized, moderately carbonatized as hairline to 3 mm wide calcite fracture filling. Common (1%) 1 to 5 cm wide quartz veins at various degrees to the core axis. Trace finely disseminated pyrite throughout	33821	281.13	281.43	.30	TR	.039	.13
			33822	283.07	283.32	.30	TR	.021	.07
280.50	280.67	: a zone of irregular quartz - carbonate veining generally at 60 to 70 degrees to the core axis. Trace finely disseminated pyrite within wispy chloritic masses throughout the vein material.							
281.16	281.26	: quartz vein at 55 degrees to the core axis with minor carbonate and trace pyrite.							
283.02	287.00	Feldspars. Amygdaloidal flow same as described above from 277.72 to 283.02 with scattered 1 to 5% 0.5 to 1 mm diameter grey lath-like to globular feldspar grains. Rare quartz veining, small local battleship grey silicified patches displaying a replacement texture common throughout. Weak carbonatization as rare hairline calcite plus epidote fracture filling. Trace finely disseminated pyrite throughout.							
287.00 294.39 HIGH MAG BASALT									
			33823	293.13	293.63	.50	TR	.095	.19
			33824	293.63	294.02	.39	1-3	.039	.10
287.00	294.39	Feldspars. Same as described above from 283.02 to 287.00. Upper contact is gradational into a magnetic flow. Patchy moderately magnetic rock. Rare calcite amygdules decrease down section. Lower contact sharp at 80 degrees to the core axis.	33825	294.02	294.39	.37	TR	.033	.09
293.62	294.32	Carbonate - quartz veining. Zone of strong carbonate and quartz veining. Intense hairline calcite fracture filling and 1% 1 to 2 mm diameter calcite stringers at various degrees to the core axis. 10 to 20% quartz veining as 3 to 5 mm wide stringers at 45 degrees to the core axis and a quartz-carbonate stockwork zone from 294.05 to 294.27. Trace -1% fine grained pyrite overall with local concentrations associated with the host rock bordering							

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

the smaller quartz veins.

294.39 295.96 BASALT

33826 294.39 295.39 1.00 TR .100 .10  
33827 295.39 295.96 .57 TR .131 .23

294.39 295.96 Pillowed flow. Light green, nonmagnetic, fine grained flow. Moderately chloritized, weakly carbonatized as 1% calcite fracture filling. Small local patches where 0.5 to 1 mm diameter grey feldspar laths are noted. Pillow selvages occur as 1 cm wide highly chloritized bands associated with probable flow breccia. Trace finely disseminated pyrite throughout.

295.96 END OF HOLE.

AMERICAN BARRICK RESOURCES CORPORATION

Property: Foster-Harley  
 Township: Harker  
 Claim: L-738087  
 NTS: 320/5

DIAMOND DRILL RECORD

Hole #: MC.89-482

Survey Co-ords: 3437.8 8310.7  
 Cut-Grid Co-ords: 25+00E 17+00S  
 Section: 25+00E  
 Elevation: 5013.5  
 Measurement: Metric

Date Logged: April 1989

Logged by: G. Potts

Signature:

*G. Potts*  
*Fory*

Azimuth: 1.2

Dip: -50.0

Length: 288.6

Contractor: Philippon

Core Size: BQ

Date Started: April 5, 1989

Date Completed: April 12, 1989

Core Stored At: Holt-McDermott

Comments: CASING PULLED

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
52.43		-49.5	137.16		-50.0	228.60		-50.5
91.44		-50.0	182.88		-50.0	274.32		-51.0

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

.00 51.80 OVERBURDEN.  
 51.80 59.60 VARIABLY SILICIFIED MAG BASALT.  
 59.60 61.57 HIGH MAG BASALT.  
 61.57 67.92 GHOSTMOUNT MINERALIZED ZONE.  
 67.92 80.35 HIGH MAG BASALT.  
 80.35 84.97 BASALT.  
 84.97 98.95 HIGH MAG BASALT.  
 98.95 124.04 BASALT.  
 124.04 171.85 HIGH MAG BASALT.  
 171.85 182.32 BASALT.  
 182.32 189.65 HIGH MAG BASALT.  
 189.65 196.22 Mafic intrusive.  
 196.22 203.11 HIGH MAG BASALT.  
 203.11 214.15 Mafic intrusive.  
 214.15 215.18 GHOSTMOUNT NORTH ZONE.  
 215.18 221.86 Mafic intrusive.  
 221.86 222.81 GHOSTMOUNT NORTH ZONE.  
 222.81 226.41 HIGH MAG BASALT.  
 226.41 248.65 BASALT.  
 248.65 250.32 Mafic intrusive.  
 250.32 258.92 HIGH MAG BASALT.  
 258.92 288.65 BASALT.  
 288.65 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	51.80	OVERBURDEN							
51.80	59.60	VARIABLY SILICIFIED MAG BASALT							
			33828	51.80	52.06	.26	TR	.120	.46
			33829	52.06	52.37	.31	1-2	.121	.39
51.80	51.85	A highly magnetic greenish-grey fine grained massive flow with brownish grey irregular patches. Moderately chloritized, intense pervasive carbonatization. Trace finely disseminated pyrite. Sharp distinct lower contact at 55 degrees to the core axis.	33830	52.37	53.33	.96	TR-1	.374	.39
			33831	53.33	53.95	.62	1	.143	.23
			33832	53.95	54.50	.55	TR-1	.137	.25
			33833	54.50	55.44	.94	TR	.150	.16
			33834	55.44	56.09	.65	TR	.117	.18
			33835	56.09	56.88	.79	TR	.134	.17
51.85	52.06	MAFIC SYENITE. Brownish red, medium grained, nonmagnetic intrusive. 50 to 60% 0.5 to 1 mm diameter brown - red globular feldspar grains in a mafic rich groundmass. Intense pervasive carbonatization. Trace finely disseminated pyrite. Lower contact missing in broken core.	33836	56.88	57.42	.54	TR	.103	.19
			33837	57.42	58.42	1.00	TR	.230	.23
			33838	58.42	59.39	.97	TR	.146	.15
			33839	59.39	59.60	.21	3-5	.061	.29
52.06	54.50	Breccia. Greenish-grey highly magnetic rock with purple-grey to brown patches throughout. Intense hairline to 3 mm wide calcite fracture filling at various degrees to the core axis. Intense pervasive carbonatization decreases down section to nil at 53.20. Purple-grey patches when scratched reacts with potassic ferricyanide. Weak to strong breccia texture with 20 to 40% wispy chlorite matrix surrounding angular to subrounded purple-grey to brown fragments. Less than 1% quartz-carbonate stringers throughout, overall weak silicification. Trace -1% masses of finely disseminated pyrite and pyrrhotite. Generally a weak foliation throughout. Foliation is 50 degrees to the core axis at 52.73, 45 degrees to the core axis at 53.28							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au g/t
		and 58 degrees to the core axis 53.20. Gradational lower contact.							
54.50	56.09	10% SILICIFIED. Greenish-grey highly magnetic fine grained massive flow with brownish grey patches. 60 to 70% fine grained highly chloritized rock with 30 to 40% brownish patches with gradational contacts. Brown patches are slightly harder and when scratched react with potassic ferricyanide. Small local purple-grey pervasively silicified patches commonly associated with thin quartz stringers at 60 degrees to the core axis. Intense hairline to 3 mm wide calcite fracture filling. A weak foliation is common, foliation 62 degrees to the core axis at 55.20. Trace finely disseminated pyrrhotite and pyrite throughout.							
56.09	57.88	Breccia. Greenish brown, highly magnetic, breccia. Upper contact at a 5 cm wide zone of carbonate veining and intense foliation at 65 degrees to the core axis. Gradational lower contact. Breccia same as described above from 52.06 to 54.50. Intense pervasive carbonatization, intense hairline to 2 mm wide calcite fracture filling. Trace finely disseminated pyrite and pyrrhotite throughout							
57.88	59.39	10% SILICIFIED. Dark green, highly magnetic, fine grained massive flow with brownish grey patches. 80 to 90% fine grained highly chloritized rock with 10 to 20% brownish patches as described above from 54.50 to 56.09. Small local weakly purple-grey silicified patches associated with weak brecciation and carbonate veining. Brecciation appears late as chloritic fracture filling between angular fragments. 10 to 15% calcite fracture filling at various degrees to the core axis. Intense pervasive carbonatization. Trace finely disseminated pyrite throughout.							
59.39	59.60	Mafic intrusive. Greenish brown, fine grained, weakly magnetic intrusive. Sharp distinct upper contact at 88 degrees to the core axis, lower contact at broken core at 89 degrees to the core axis. Moderately chloritized mafic rich rock with strong pervasive carbonatization. 3 to 5% fine grained pyrite throughout. Weak brownish colour given by red-brown calcite fracture filling.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
59.60	61.57	HIGH MAG BASALT	33840	59.60	60.20	.60	TR	.228	.38
			33841	60.20	61.07	.87	TR	.296	.34
59.60	61.57	Fine grained massive flow. Dark green, highly magnetic flow with brownish grey patches as described above from 54.50 to 56.09. Moderate to strong chloritization generally increasing down section. Strong pervasive carbonatization and intense hairline to 2 mm wide calcite fracture filling at various degrees to the core axis. Trace finely disseminated pyrite and pyrrhotite and sulphide masses throughout.	33842	61.07	61.57	.50	TR	.075	.15
61.57	67.92	GHOSTMOUNT MINERALIZED ZONE	33843	61.57	62.35	.78	TR	.257	.33
			33844	62.35	62.57	.22	TR	.040	.18
		Greenish brown, magnetic zone of brecciation, carbonate veining and foliation. Magnetism is patchy throughout, with nonmagnetic sections. Silicification is weak, occurring as rare quartz stringers and pervasively. Chloritization is strong throughout. Down section the zone goes from a breccia to a strong zone of carbonate veining to a highly foliated section down to the clay-grit seam. Gradational upper and lower contacts.	33845	62.57	62.87	.30	1	.093	.31
			33846	62.87	63.65	.78	TR-1	.281	.36
			33847	63.65	64.45	.80	TR-1	.344	.43
			33848	64.45	65.19	.74	TR-1	.348	.47
			33849	65.19	65.72	.53	TR	.344	.65
			33850	65.72	66.02	.30	1-3	.354	1.18
			33851	66.02	66.55	.53	TR	.223	.42
			33852	66.55	67.05	.50	TR	.220	.44
61.57	62.35	10% SILICIFIED. Greenish brown, moderately foliated breccia with patchy magnetics decreasing down section. Foliation at 50 degrees to the core axis at 62.00. Angular to subrounded brownish chloritized fragments within a wispy chlorite matrix. Patchy moderate pervasive carbonatization and intense hairline to 3 mm diameter calcite fracture filling. Small local pervasively silicified purple-grey sections noted. Trace finely disseminated pyrite throughout.	33853	67.05	67.44	.39	TR	.156	.40
			33854	67.44	67.62	.18	NIL	.265	1.47
			33855	67.62	67.92	.30	1	.300	1.00
62.35	62.57	100% SILICIFIED. Green pink, nonmagnetic, pervasively silicified breccia. Strong hairline carbonate filled fractures at various degrees to the core axis. Trace finely disseminated pyrite. Has a 'cherty' texture.							
62.57	65.19	Breccia. Greenish brown, weakly magnetic, breccia. Generally nonmagnetic with weakly magnetic patches. Possible flow breccia as subrounded to rounded fragments are common							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		and possible calcite and quartz amygdules noted. Nonsilicified, highly chloritized rock. 15 to 25% wispy chlorite matrix with brownish highly chloritized fragments which when scratched react with potassium ferricyanide. Intense hairline to 3 mm wide calcite fracture filling. Trace -1% finely disseminated pyrite and pyrrhotite throughout and as sulphide masses. Foliation 55 degrees to the core axis at 63.65.							
65.19	66.55	Carbonate stringers. Greenish-grey, magnetic, highly chloritized section with intense carbonate stringers. 20 to 25% 0.5 to 3 mm wide carbonate stringers at various degrees to the core axis. Strong pervasive carbonatization of host and strong hairline calcite fracture filling. Veining generally decreases down section. Weakly foliated at 48 degrees to the core axis at 66.90. Trace finely disseminated pyrite and pyrrhotite throughout with lower concentrations along foliation and carbonate veins.							
66.55	67.44	Foliated. Greenish brown, highly chloritized, highly foliated, section. Foliation at 50 degrees to the core axis. 5 to 8%, 1 to 3 mm diameter calcite stringers generally along foliation. Foliation increases down section. Generally nonmagnetic. Trace finely disseminated sulphides throughout.							
67.44	67.62	GHOSTMOUNT FAULT ZONE. Intensely chloritized, highly carbonatized zone with a 1 cm wide clay-grit seam at 60 degrees to the core axis from 67.55 to 67.56. Strong foliation associated at 60 degrees to the core axis. Strong pervasive silicification below the grit. No visible sulphide.							
67.62	67.92	Chloritic. Greenish brown, highly magnetic, highly chloritized, weakly foliated zone. Foliation at 50 degrees to the core axis. Intense pervasive carbonatization, intense hairline to 1 mm wide calcite fracture filling along the foliation. 1% finely disseminated pyrite throughout.							
67.92	80.35	HIGH MAG BASALT							
			33856	67.92	68.89	.97	TR	.204	.21
			33857	68.89	69.19	.30	TR	.048	.16
67.92	73.90	Fine grained massive flow. Dark	33858	69.19	70.19	1.00	TR	.280	.28



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		greenish-grey, highly magnetic flow. Generally massive with small local weakly foliated patches. Intense carbonatization as hairline calcite fracture filling at various degrees to the core axis, and 1 to 5% calcite stringers. A moderate to strong pervasive carbonatization throughout. Foliation 45 degrees to the core axis at 70.58, 40 degrees to the core axis at 72.24. Carbonate veining decreases down section. Gradational lower contact.	33859	70.19	71.19	1.00	TR	.160	.16
			33860	71.19	72.16	.97	TR	.146	.15
			33861	72.16	72.76	.60	TR	.084	.14
			33862	72.76	73.90	1.14	TR	.274	.24
			33863	73.90	74.51	.61	TR-1	.122	.20
			33864	74.51	74.81	.30	TR	.057	.19
			33865	74.81	75.34	.53	TR	.042	.08
			33866	75.34	75.85	.51	TR	.066	.13
			33867	75.85	76.52	.67	TR	.060	.09
			33868	76.52	76.97	.45	TR-1	.104	.23
			33869	76.97	77.97	1.00	TR	.060	.06
68.96	69.00	Clay-grit seam. Thin clay grit on fracture at 30 degrees to the core axis.	33870	79.41	80.35	.94	TR-1	.075	.08
73.90	75.34	Foliated. Greenish brown, highly magnetic moderately foliated zone. Intense pervasive carbonatization throughout ( iron carbonate ), strong chloritization, 1%, 1 to 10 mm wide calcite fracture filling. Fine to medium grained, grain size generally increasing down section. Foliation at 40 to 50 degrees to the core axis.							
74.65	74.66	Clay-grit seam. ?. Thin grit along a fracture at 40 degrees to the core axis. Trace finely disseminated pyrite and pyrrhotite with local concentrations associated with carbonate veining.							
75.34	75.85	Blocky, highly fractured core. Dark green, highly magnetic, fine to medium grained massive flow. Strong vuggy texture with common weathered out pits.							
75.85	76.52	Altered. Brownish green, highly magnetic, fine grained massive flow with strong pervasive carbonatization ( iron carbonate ). Moderate chloritization, 1 to 5% 1 to 3 mm wide calcite fracture filling. Trace finely disseminated pyrite throughout.							
76.52	76.97	70% SILICIFIED. Strong pervasive silicification. Moderately foliated at upper contact at 58 degrees to the core axis. Strong carbonate veining and chloritization at upper contact decreases down section to intense silicification. 1% fine grained pyrite masses associated with carbonatization. Trace finely disseminated pyrite associated with silicification. Lower contact sharp at quartz veining at 48 degrees to the core axis.							
76.97	79.41	Fine grained massive flow. Dark green, highly magnetic, flow. Moderately chloritized, moderately carbonatized rock. Carbonatization as pervasive carbonatization decreasing down section over the first 0.7							

From	To	Description	Sample	From	To	Length	g Sul	GW	Au g/t
		m. Rare ( less than 1% ) calcite fracture filling. Trace finely disseminated pyrite throughout.							
79.41	80.35	Breccia. Dark green, moderately magnetic rock. Upper contact at a zone of broken core. Lower contact gradational. Moderately carbonatized as red-brown to grey hairline to 5 mm diameter carbonate fracture filling. Highly chloritized, wispy bands separating greenish-grey to olive green hard fragmented masses ( possible selvage material ). Weak foliation at 55 degrees to the core axis throughout. Trace -1% finely disseminated pyrite and pyrrhotite masses throughout.							
80.35	84.97	BASALT							
			33871	80.35	80.65	.30	1	.018	.06
			33872	80.81	83.81	3.00	TR-1	.150	.05
80.35	84.97	Fine grained massive flow dark green, nonmagnetic flow. Moderately chloritized, weakly carbonatized rock. Carbonatization as hairline to 3 mm wide calcite fracture filling. Common wispy to hairline epidote stringers throughout. Common irregular wispy chlorite fracture filling throughout. Trace finely disseminated pyrite and pyrrhotite throughout with local concentrations of sulphides as masses of fine grains. Gradational lower contact to magnetic rock.							
84.97	98.95	HIGH MAG BASALT							
			33873	88.93	89.33	.40	TR	.020	.05
			33874	96.18	96.66	.48	TR-1	.101	.21
84.97	98.95	Fine to medium grained massive flow. Dark green, highly magnetic flow. Grain size gradually increases down section. Rare calcite fracture filling generally decreases down section. Common wispy epidote fracture filling throughout generally occurring in masses. A common weak, patchy red-brown staining is noted near the upper contact and is associated with calcite veining plus fine grained red-brown material. Trace finely disseminated pyrite throughout. Gradational lower contact into nonmagnetic rock.							
96.18	96.66	A zone of strong calcite fracture filling (							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		5 to 10% ) and intense pervasive carbonatization. Highly chloritized host with 1 to 3% fine grained pyrite and pyrrhotite associated with strong veining, trace -1% overall. Veining at 60 degrees to the core axis.							
98.95	124.04	BASALT							
			33875	102.18	102.48	.30	TR	.021	.07
			33876	106.09	106.59	.50	TR	.030	.06
98.95	106.86	Medium to coarse grained massive flow. Dark green, nonmagnetic flow. Weakly carbonatized as hairline to 5 mm wide calcite fracture filling. Rare to common wispy, thin epidote veinlets. A weak fish-net texture is common and increases down section. Trace finely disseminated pyrite throughout. Hematite fracture filling on fractures at 10 to 80 degrees to the core axis is common near the clay-grit seams.	33877	106.59	106.89	.30	TR	.012	.04
			33878	106.89	107.28	.39	TR	.016	.04
			33879	110.27	110.79	.52	TR	.088	.17
			33880	110.79	111.79	1.00	TR	.160	.16
			33881	111.79	112.88	1.09	TR	.153	.14
			33882	112.88	113.90	1.02	TR	.143	.14
			33883	113.90	114.90	1.00	TR	.150	.15
			33884	114.90	115.90	1.00	TR	.120	.12
			33885	115.90	116.93	1.03	TR	.185	.18
			33886	120.02	121.01	.99	TR	.109	.11
			33887	123.63	124.04	.41	TR	.062	.15
101.27	101.39	A quartz plus calcite plus epidote vein at 45 degrees to the core axis. Trace finely disseminated pyrite and minor pyrrhotite associated with adjacent host.							
106.66	106.69	Clay-grit seam. Highly hematized clay-grit seam at 78 degrees to the core axis. Strong calcite fracture filling for 2 cm below the clay-grit seam. Trace finely disseminated pyrite in fish-net flow adjacent to the fault plane.							
106.83	106.86	Clay-grit seam. A second thin hematite rich clay-grit seam on a hairline fracture at 55 degrees to the core axis.							
106.86	110.27	Medium to coarse grained massive flow. As described above from 98.95 to 106.86. Grain size decreases down section towards lower contact.							
110.27	116.93	Flow top breccia. Dark greenish-grey, nonmagnetic breccia. Sharp distinct upper contact at 35 degrees to the core axis, gradational lower contact. Common small patches of fine grained massive material possibly represent larger fragments. Rare, scattered calcitic vesicles noted. Generally subrounded to rounded fragments. A weak ( 10% SILICIFIED - 20% SILICIFIED ) pervasive silicification is common throughout. Moderately chloritized							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		throughout. Weak carbonatization as rare hairline to 3 mm wide calcite fracture filling. Trace finely disseminated pyrite masses throughout. Weak foliation common, 43 degrees to the core axis at 113.65.							
116.93	124.04	Fine grained massive flow. Dark greenish-grey, nonmagnetic flow. Generally massive with local small weakly foliated patches. Grain size generally increases down section. Weak to moderate chloritization, weak carbonatization as rare calcite fracture filling. Rare wispy epidote fracture filling. Trace pyrite commonly as fine grained masses.							
120.02	121.01	A weakly foliated moderately chloritized zone. Foliation 50 degrees to the core axis. 1% fine grained pyrite masses.							
123.70	124.04	A section of strong late brecciation with 20 to 30% calcite fracture filling as a matrix hosting angular mafic fragments. Trace finely disseminated pyrite associated							
124.04 171.85 HIGH MAG BASALT									
			33888	124.04	124.94	.90		TR	.153 .17
			33889	124.94	125.68	.74		TR	.311 .42
124.04	125.68	Breccia. Dark greenish-grey, weakly magnetic rock. Moderate carbonate fracture filling as hairline to 2 mm wide calcite fracture filling. Magnetism is patchy throughout. Subrounded to rounded grey green fragments with iron - carbonate alteration. Wispy chlorite matrix between fragments. Brecciation decreases down section and has a gradational lower contact into a foliated zone. Trace finely disseminated pyrite and pyrrhotite throughout.	33890	125.68	126.39	.71		3-5	.398 .56
			33891	126.39	127.39	1.00		TR	.100 .10
			33892	127.39	128.25	.86		TR	.086 .10
			33893	130.59	130.89	.30		TR	.018 .06
			33894	130.89	131.92	1.03		TR	.299 .29
			33895	131.92	132.27	.35		TR	.095 .27
			33896	139.75	140.05	.30		1	.102 .34
			33897	149.34	149.99	.65		TR-1	.202 .31
			33898	152.01	152.36	.35		TR	.151 .43
			33899	152.36	152.66	.30		TR-1	.105 .35
			33900	152.66	153.27	.61		TR	.281 .46
			33901	171.42	171.77	.35		1-3	.301 .86
125.68	126.39	Fault zone. Moderately foliated, nonmagnetic, silicified ( 20% SILICIFIED ) zone with a clay-grit seam from 125.93 to 125.94 on a fracture at 55 degrees to the core axis. Foliation at 50 degrees to the core axis. Silicification as veining along the foliation and pervasively adjacent to the veining. Moderately carbonatized as 1 to 5 mm wide calcite fracture filling. Down section, the foliation gives way to brecciation with calcite fracture filling as matrix for angular to subrounded							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		fragments. 1 to 2% finely disseminated pyrite throughout with 8 to 10% fine grained pyrite up section from the fault plane.							
126.39	128.25	Chloritic. Dark green, fine grained, moderately magnetic section. Scattered rare calcitic amygdules. 5 to 10%, 1 to 3 mm diameter chlorite masses in a moderately chloritized groundmass. Finely disseminated pyrite and pyrrhotite. Gradational lower and upper contact. Moderate carbonatization as 1 to 3 mm wide calcite fracture fillings.							
128.25	129.70	Fine grained massive flow. Dark green, weakly magnetic moderately chloritized flow. Rare carbonate filled fracture. Trace fine grained pyrite and pyrrhotite commonly as sulphide masses. Magnetism is weak and patchy throughout.							
130.89	131.92	Mafic intrusive. Dark green, medium grained, nonmagnetic intrusive. Weakly carbonatized as rare calcite fracture filling. 15 to 25% grey feldspar grains, 5 to 10% 0.5 to 2 mm long, black mafic phenocrysts ( near contacts ) and 15 to 25% 1 to 2 mm diameter chloritic masses in a fine grained mafic groundmass. Trace finely disseminated pyrite. Upper contact at broken core at 40 degrees to the core axis, sharp distinct highly irregular lower contact.							
131.92	139.75	Medium to coarse grained massive flow. Dark green, weakly magnetic flow. Patchy weak magnetics throughout. Rare calcite fracture filling. Rare wispy epidote veining. Aphanitic at lower contact. Lower contact at a 1 cm wide zone of carbonate veining at 50 degrees to the core axis.							
139.75	142.95	Amygdaloidal flow. Grey-green, highly magnetic, fine grained flow. Rare hairline calcite fracture filling, weak chloritization. Scattered rounded calcite amygdules throughout. Gradational lower contact into fine grained massive flow. Upper contact at a carbonate vein and 15 cm wide zone of flow breccia. Trace fine grained pyrite and pyrrhotite masses throughout.							
142.95	152.48	Fine grained massive flow. Same as described above from 139.75 to 142.95 with noted amygdules.							
152.48	152.64	Clay-grit seam. Strong carbonate veining							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		and brecciation of host with a clay-grit seam along a fracture at 152.60 to 152.64 at 30 degrees to the core axis. Strong hematization of grit. Massive, nonfoliated moderately chloritized host. Trace fine grained pyrite.							
152.64	171.85	Fine to medium grained massive flow. Dark green, highly magnetic flow. Grain size increases down section and rare hairline to 1 mm wide calcite fracture filling. Moderate chloritization. Trace fine grained pyrite and pyrrhotite masses throughout. Rare wispy epidote veinlets. Aphanitic and pervasively silicified at lower contact at a quartz vein.							
170.75	171.75	A thin ( 0.5 to 1 cm wide ) epidote plus carbonate vein along the core axis with a fine grained, hard, brick red material associated. From 171.57 to 171.74, quartz veining along the core axis is associated with 1 to 3% fine to medium grained pyrrhotite and pyrite.							
171.85	182.32	BASALT							
			33902	175.42	175.87	.45	TR-1	.207	.46
			33903	175.87	176.17	.30	TR	.210	.70
			33904	176.17	176.57	.40	TR-1	.268	.67
171.85	182.32	Glomeroporphyritic. Dark grey-green, porphyritic flow. Distinct upper contact at a 5 cm wide quartz vein at 65 degrees to the core axis. Nonmagnetic with rare small local weakly magnetic spots with pyrrhotite. Gradational lower contact to a magnetic massive flow. 15 to 25% 1 to 5 mm diameter greenish-grey glomeroporphyritic feldspar in an aphanitic weakly to moderately chloritized groundmass. Weak pervasive silicification associated with the upper contact. Weak carbonatization as rare calcite fracture filling. Trace finely disseminated pyrite and pyrrhotite throughout with local concentrations of sulphide masses commonly within chlorite fracture filling.							
182.32	189.65	HIGH MAG BASALT							
			33905	183.56	183.86	.30	1-3	.081	.27

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
182.32	189.65	Fine grained massive flow. Dark greenish-grey, moderately magnetic flow. Weak carbonatization as hairline to 3 mm diameter calcite fracture filling. Small local patches of glomeroporphyritic feldspar throughout. Weakly chloritized host, weakly epidotized as thin veinlets at various degrees to the core axis.	33906	185.01	186.11	1.10	TR-1	.231	.21
			33907	187.95	188.50	.55	TR-1	.099	.18
			33908	189.35	189.65	.30	TR	.051	.17
183.61	183.78	A weakly foliated zone associated with 15 to 20% quartz - carbonate veining at 80 degrees to the core axis. Foliation at 60 degrees to the core axis. 3 to 5% fine to medium grained pyrite and pyrrhotite associated with the veining.							
189.65 196.22 MAFIC INTRUSIVE									
		Pinkish grey, medium grained intrusive. Generally nonmagnetic with local weakly magnetic patches. 5 to 10% 0.5 to 3 mm diameter chlorite masses, 15 to 25% pinkish 0.5 to 1 mm diameter pervasively carbonatized grain in a fine grained mafic rich moderately chloritized groundmass. Intense pervasive carbonatization throughout, 1% pinkish grey carbonate fracture filling. Generally massive with common weakly foliated zones. Foliation 63 degrees to the core axis at 189.90. Trace finely disseminated pyrite throughout. Sharp distinct upper contact at 20 degrees to the core axis. Lower contact in a zone of foliation at broken core at 50 degrees to the core axis.	33909	189.65	190.65	1.00	TR	.170	.17
			33910	195.44	196.22	.78	TR	.133	.17
		195.44 196.22 Foliated. Weakly foliated section at 40 to 50 degrees to the core axis. Moderately chloritized, highly carbonatized rock with trace finely disseminated pyrite.							
196.22 203.11 HIGH MAG BASALT									
		Fine grained massive flow. Dark greenish-grey, weakly magnetic flow. Magnetism is patchy throughout and generally increases down section. Distinct lower contact with a breccia at 40 degrees to the core axis. Highly carbonatized as	33911	196.22	197.02	.80	TR-1	.160	.20
			33912	197.02	197.54	.52	TR	.073	.14
196.22	201.57		33913	197.54	198.14	.60	TR-1	.090	.15
			33914	200.87	201.57	.70	TR	.091	.13
			33915	201.57	202.16	.59	TR-1	.083	.14
			33916	202.16	202.41	.25	3-5	.077	.11
		33917	202.41	203.11	.70	TR	.098	.14	

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

intense hairline calcite fracture filling at various degrees to the core axis. 1% 1 to 5 mm diameter calcite fracture filling throughout. Moderately to highly chloritized mafic rock. Trace fine to medium grained pyrite and pyrrhotite throughout with local concentrations associated with carbonate veining.

197.02 197.54 A thin finger of intrusive as described above from 189.65 to 196.22 along the core axis. Trace finely disseminated pyrite within the adjacent fine grained massive flow.

201.57 202.41 Breccia. Dark grey-green to black, weakly magnetic section. Moderate carbonatization as 1 to 5 mm wide calcite fracture filling. 20 to 30% chloritic matrix with angular to subrounded moderately chloritized fragments. In areas black, soft, fine grained fragments are similar to graphitic material commonly noted in the GHOSTMOUNT NORTH ZONE. 1% fine to medium grained pyrite. Gradational lower contact.

202.28 202.41 A zone of strong veining and associated foliation at 50 degrees to the core axis with 5 to 8% fine to medium grained pyrite.

202.41 203.11 Fine grained massive flow. Dark greenish-grey to black at the lower contact. Moderate carbonatization as hairline to 2 mm wide calcite fracture filling. Moderately to highly chloritized. Trace fine grained pyrite. Lower contact is sharp and distinct at 45 degrees to the core axis with the intrusive. Angular fragments of the fine grained massive flow noted within the intrusive adjacent to the contact.

203.11 214.15 MAFIC INTRUSIVE

Light greenish-grey, fine to medium grained, nonmagnetic intrusive. Intense pervasive carbonatization generally decreasing down section. Common 1% calcite fracture filling commonly at 45 degrees to the core axis and 15 degrees to the core axis. Coarser sections display 5 to 10% 0.5 to 1 mm tabular mafics, 30 to 40% 0.5 to 3 mm diameter grey feldspar, trace finely disseminated pyrite

33918	203.11	203.61	.50	TR	.075	.15
33919	207.64	208.14	.50	TR	.075	.15
33920	213.15	214.15	1.00	TR	.175	.17



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

in a fine grained mafic rich groundmass.  
207.64 208.15 Strong pinkish grey carbonate - quartz  
veining ( 10 to 20% ) at 20 degrees to the  
core axis. Trace finely disseminated  
pyrite in the chloritized host.

214.15 215.88 GHOSTMOUNT NORTH ZONE

33921 214.15 214.65 .50 1 .065 .13  
33922 214.65 215.38 .73 1 .124 .17  
33923 215.38 215.88 .50 1 .130 .26

214.15 215.88 50% SILICIFIED. Dark black to battleship  
grey, highly magnetic, fine grained flow  
with 1 to 5% 0.5 to 1 mm long grey  
feldspar laths. Sharp distinct upper  
contact at 30 degrees to the core axis,  
sharp distinct lower contact at 50 degrees  
to the core axis. Appears weakly  
silicified ( 40% SILICIFIED to 50%  
SILICIFIED ) as a pervasive  
silicification. Moderate carbonatization  
as hairline to 2 mm wide calcite fracture  
filling increasing down section to strong  
at the lower contact. Common wispy  
chlorite fracture filling throughout. 1%  
fine to medium grained pyrite throughout,  
commonly within the chlorite fracture  
filling.

215.88 221.86 MAFIC INTRUSIVE

33924 215.88 216.27 .39 TR .039 .10  
33925 216.27 216.63 .36 TR .036 .10  
33926 221.26 221.86 .60 TR .060 .10

Dark greenish-grey intrusive as described above from  
203.11 to 214.14. Rare calcite fracture filling.  
216.27 216.63 Strong grey quartz - carbonate veining (   
25 to 35% ) at 15 degrees to the core  
axis. Trace fine grained pyrite associated  
with the veining.

221.86 222.81 GHOSTMOUNT NORTH ZONE

33927 221.86 222.45 .59 3-5 .071 .12  
33928 222.45 222.81 .36 1-3 .047 .13

221.86 222.81 70% SILICIFIED. Dark greenish-grey, highly  
magnetic, fine grained flow with 1 to 3%  
0.5 to 1 mm feldspar crystals. Sharp

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

distinct upper contact at 10 degrees to the core axis. Lower contact gradational to fine grained massive flow. From 221.86 to 222.45 the zone is brecciated with 10 to 20% chloritic matrix between angular to subrounded pervasively silicified fragments. Small fractured quartz stringers at 50 to 60 degrees to the core axis. Weakly carbonatized as rare hairline calcite fracture filling. 3 to 5% fine to medium grained pyrite within the brecciated zone, 1 to 3% below.

222.81 226.41 HIGH MAG BASALT

33929	222.81	223.42	.61	TR-1	.079	.13
33930	223.42	224.49	1.07	TR-1	.102	.09
33931	224.50	225.53	1.03	TR	.093	.09
33932	225.53	226.41	.88	TR	.106	.12

222.81 226.41 Feldspars. Dark greenish-grey, highly magnetic, fine grained flow with 1 to 5% 0.5 to 1 mm feldspar crystals generally decreasing down section. Weakly carbonatized as hairline calcite fracture filling. Hard unit, possible pervasive silicification ( 50% SILICIFIED ). Wispy epidote fracture filling common. Trace -1% finely disseminated pyrite throughout. Lower contact indistinct in a zone of strong silicification with a flow breccia.

226.41 248.65 BASALT

33933	226.41	226.71	.30	TR	.036	.12
33934	226.71	227.29	.58	TR-1	.041	.07
33935	227.29	228.20	.91	TR-1	.064	.07
33936	228.20	228.50	.30	8-10	.036	.12
33937	228.50	229.01	.51	TR	.041	.08
33938	229.01	229.36	.35	1-5	.018	.05
33939	229.36	229.79	.43	TR-1	.026	.06
33940	229.79	230.14	.35	1-3	.033	.09
33941	230.14	231.14	1.00	TR	.080	.08
33942	231.14	232.15	1.01	TR-1	.111	.11
33943	241.61	241.91	.30	TR-1	.027	.09
33944	244.64	244.99	.35	TR	.028	.08
33945	245.31	245.61	.30	TR-1	.024	.08

226.41 232.15 Flow breccia. Greenish-grey, nonmagnetic breccia. Gradational lower contact to an amygdaloidal flow. Upper contact indistinct at a silicified zone. 1 to 5% probable vesicles noted throughout as 0.5 to 1 mm diameter rounded chlorite ( commonly ) to quartz masses with an alteration halo. Common massive patches throughout are possibly larger fragments as brecciated on either side. Commonly 25 to 35% wispy fine grained highly chloritic matrix between subrounded to rounded aphanitic moderately chloritized fragments. Weakly to moderately carbonatized as hairline to 5 mm wide

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		calcite fracture filling. Carbonatization generally increases down section. Trace -1% finely disseminated pyrite throughout with local fine to medium grained pyrite masses associated with quartz veining. Moderately foliated at upper contact at 50 degrees to the core axis.							
226.41	226.58	A highly silicified ( 100% SILICIFIED ) contact zone of brecciation with a gradational upper contact and a distinct lower contact at 50 degrees to the core axis. 5 to 10% wispy olive green epidote (?) veining between angular purple-grey fragments. Trace fine grained pyrite throughout.							
227.25	227.47	A zone of irregular smoky grey quartz veining and associated 10 to 15% fine to medium grained pyrite crystals. Pyrite within and along the margins of the quartz veining. Quartz vein roughly trends along the core axis. Pervasive silicification adjacent to the vein, moderate chloritization throughout.							
228.11	228.25	A zone of irregular grey quartz veining and associated 8 to 10% fine to medium grained pyrite. Quartz veining along the core axis. Pyrite within chloritic masses. Pod-like quartz.							
229.98	230.09	A quartz vein zone same as described above from 228.11 to 228.25.							
232.15	234.13	Amygdaloidal flow. Light greenish-grey, fine grained, nonmagnetic flow. 3 to 5% 1 to 5 mm diameter rounded bluish grey quartz amygdules, 5 to 8% 1 to 3 mm diameter rounded chlorite masses, in a fine grained weakly to moderately chloritized groundmass. Weakly carbonatized as rare hairline calcite fracture filling. Trace fine grained pyrite commonly within the chlorite masses. Gradational lower contact.							
234.13	235.54	Glomeroporphyritic. Amygdaloidal flow as described above from 232.15 to 234.13 with scattered 1 to 3 cm wide pink greenish-grey glomeroporphyritic feldspar.							
235.54	237.54	Amygdaloidal flow. Same as described above from 232.15 to 234.13. Lower contact gradational into a massive flow lacking amygdules.							
237.54	248.65	Fine grained massive flow. Light greenish-grey, nonmagnetic flow. Weakly carbonatized as rare hairline to 5 mm wide							

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

calcite fracture filling. Carbonatization weakly increasing down section. Weak to moderate chloritization with trace finely disseminated pyrite throughout. Local pyrite concentrations associated with thin quartz veins at 45 degrees to the core axis. Patchy weak magnetism at lower contact.

244.69 244.86 A 2 cm wide quartz - carbonate vein at 25 degrees to the core axis associated with trace finely disseminated pyrite.

248.65 250.32 MAFIC INTRUSIVE

Dark green, moderately magnetic, medium grained intrusive. Distinct sharp upper and lower contacts at 80 and 88 degrees to the core axis respectively. 20 to 30% 0.5 to 1 mm grey feldspar laths in a fine grained mafic groundmass. Weakly chloritized, weakly carbonatized rock. Rare hematite plus calcite on fractures. No sulphides noted. 1 to 5% tabular mafic grains noted at lower contact.

250.32 258.92 HIGH MAG BASALT

33946	254.82	255.12	.30	TR-1	.024	.08
33947	256.65	256.95	.30	TR	.024	.08

250.32 258.92 Fine to medium grained massive flow. Dark green, highly magnetic flow. Grain size gradationally increases down section. Weakly chloritized, weakly carbonatized rock. Rare calcite fracture filling, rare to common epidote plus quartz veining commonly at 50 degrees to the core axis. Trace finely disseminated pyrite throughout with local concentrations associated with quartz veining. Gradational lower contact to nonmagnetic material.

256.82 256.90 A pinkish grey carbonate - quartz vein at 55 degrees to the core axis with 1% medium grained pyrite.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
258.92	288.65	BASALT							
			33948	265.27	265.57	.30	TR-1	.021	.07
			33949	268.02	268.36	.34	5-8	.051	.15
			33950	287.46	287.76	.30	TR	.045	.15
258.92	288.65	Medium grained massive flow. Dark greenish-grey, nonmagnetic flow. Weakly chloritized, weakly carbonatized as rare thin calcite fracture filling. Common wispy epidote veinlet at various degrees to the core axis. Trace finely disseminated pyrite throughout with local concentrations associated with rare quartz veining. Weakly foliated at 45 degrees to the core axis at 286.20.							
265.29	265.42	30 to 40% irregular quartz plus epidote veining generally at 35 degrees to the core axis. 1 to 2% fine to medium grained pyrite and minor chalcopyrite associated.							
268.02	268.36	15 to 20% irregular epidote plus quartz plus minor calcite roughly along the core axis. Small cm scale massive sulphide pockets associated. 5 to 8% pyrite overall.							
287.60	287.76	A 1 to 3 cm wide quartz - carbonate vein at 30 degrees to the core axis. Trace finely disseminated pyrite associated with the moderately chloritized adjacent host rock.							
288.65		END OF HOLE.							

Property: Foster-Harley  
 Township: Harker  
 Claim: L-738561  
 NTS: 320/5

DIAMOND DRILL RECORD

Hole #: MC.89-483

Survey Co-ords: 2500.1 8282.4  
 Cut-Grid Co-ords: 15+75E 19+75S  
 Section: 15+75E  
 Elevation: 4996.0  
 Measurement: Metric

Date Logged: April 1989

Logged by: G. Potts

Signature: *G. Potts*

Azimuth: .6

Dip: -49.0

Length: 255.1

Contractor: Philippon

Core Size: 8Q

Date Started: April 13, 1989

Date Completed: April 18, 1989

Core Stored At: Holt-McDermott

Comments:

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-43.5	137.16		-45.0	228.60		-44.0
91.44		-44.0	182.88		-43.5	255.12		-44.0

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

- .00 55.55 OVERBURDEN.
- 55.55 62.42 GHOSTMOUNT MINERALIZED ZONE.
- 62.42 97.81 HIGH MAG BASALT.
- 97.81 98.44 Cherty.
- 98.44 116.65 BASALT.
- 116.65 172.93 HIGH MAG BASALT.
- 172.93 180.84 BASALT.
- 180.84 183.97 GHOSTMOUNT NORTH ZONE.
- 183.97 201.00 BASALT.
- 201.00 217.73 BASALT.
- 217.73 255.12 HIGH MAG BASALT.
- 255.12 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	55.55	OVERBURDEN							
55.55	62.42	GHOSTMOUNT MINERALIZED ZONE							
			33951	55.55	56.03	.48	1-5	.274	.57
			33952	56.03	56.53	.50	1-5	.463	.93
55.55	56.53	70% SILICIFIED. Greenish brown, nonmagnetic, highly brecciated rock. Intense hairline calcite fracture filling at various degrees to the core axis. Rare to common (1%) 1-3 mm wide calcite stringers. 20 to 30% wispy dark green to black highly irregular chloritic matrix with 70 to 80% greyish brown, angular to subrounded, pervasively silicified fragments. 1 to 5% finely disseminated pyrite and pyrite masses throughout, commonly associated with the silicified fragments. Weak foliation at gradational lower contact at 48 degrees to the core axis.	33953	56.53	56.86	.33	1-3	.277	.84
			33954	56.86	57.37	.51	3-5	.031	.06
			33955	57.37	57.87	.50	1-3	.045	.09
			33956	57.87	58.50	.63	1-2	.164	.26
			33957	58.50	59.15	.65	1-3	1.138	1.75
			33958	59.15	59.63	.48	TR-1	.283	.59
			33959	59.63	59.93	.30	1	.072	.24
			33960	59.93	60.36	.43	1-3	.075	.17
			33961	60.36	60.62	.26	1-5	.029	.11
			33962	60.62	61.08	.46	TR	.005	.01
			33963	61.08	61.64	.56	1	.185	.33
			33964	61.64	62.42	.78	TR-1	.187	.24
56.53	57.37	50% SILICIFIED. Brownish green, highly magnetic, highly brecciated section. Intense hairline calcite fracture filling and moderate pervasive carbonatization. 1% calcite stringers commonly at 50 degrees to the core axis. Section is centered on a 2 cm wide quartz vein at 50 degrees to the core axis. A red-brown very fine grained alteration material is associated with the quartz vein. Brecciation similar to above, overall weaker pervasive silicification. 1 to 3% finely disseminated pyrite throughout with local concentrations associated with the red-brown material.							
57.37	59.15	20% SILICIFIED. Brownish green, highly magnetic, weakly to moderately brecciated zone. Intense hairline calcite fracture filling, 1% pinkish grey calcite stringers							

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		commonly at 50 degrees to the core axis. Weak patchy foliation throughout at 45 to 55 degrees to the core axis. Generally fine grained with a weak breccia texture and weak pervasive silicification. 1 to 3% finely disseminated pyrite and minor chalcopyrite throughout with local concentration as 1 to 2 mm wide fracture filling.						
59.15	59.93	Mafic intrusive. ?. Brownish green, fine to medium grained, highly magnetic intrusive. Upper contact at broken core, sharp irregular lower contact generally at 50 degrees to the core axis. Strong hairline calcite fracture filling and 1 to 3% 1 to 3 mm wide pinkish grey calcite stringers. 30 to 40% 0.5 - 1 mm greyish brown globular grains ( probable feldspar ) in a fine grained moderately carbonatized mafic groundmass. A weak pervasive silicification increases towards lower contact. Trace -1% finely disseminated pyrite throughout and generally increasing down section. Weak foliation at 58 degrees to the core axis at 60.71.						
59.93	60.62	100% SILICIFIED. Blue-grey to green, moderately magnetic, highly sheared, brecciated section. Gradational lower contact into nonsilicified highly foliated intrusive. Foliation at 58 degrees to the core axis. Intense hairline calcite fracture filling, rare stringers. 1 to 3% finely disseminated pyrite throughout.						
59.93	60.36	A blue-grey zone of strong probable quartz flooding. 20 to 25% subrounded to angular red-brown 0.5 to 8 mm diameter pervasively silicified fragments, 30 to 40% 1 to 10 mm diameter subrounded grey quartz fragments in a very fine grained blue-grey highly silicified groundmass. 1 to 3% finely disseminated pyrite commonly associated with edges of silicified fragments.						
60.36	60.62	A highly sheared, more chloritic section ( 80% SILICIFIED ) with silicification as quartz stringers along the foliation and pervasively. Chlorite as wispy masses along the foliation. 1 to 5% finely disseminated pyrite throughout.						
60.62	61.08	MAFIC SYENITE. Red-brown, nonmagnetic, medium grained, intrusive. Intensely foliated at upper contact at 58 degrees to the core axis, moderately foliated throughout. Intense pervasive						



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		carbonatization, strong calcite fracture filling at various degrees to the core axis. 40 to 50% 0.5 to 2 mm diameter red-brown grains, 10 to 20% 0.5 to 2 mm rounded chlorite masses in a fine grained moderately chloritized mafic groundmass. Trace finely disseminated pyrite. Lower contact indistinct							
61.08	62.42	Chloritic. Grey-green, highly magnetic, moderately to highly chloritized material. Weakly brecciated throughout with 30 to 40% wispy chloritic masses between grey - brown angular to subrounded pervasively carbonatized ( iron - carbonate ) masses. 1 to 5% 0.5 to 1 mm diameter subrounded chlorite masses within the host material ( decrease down section ). Foliation 50 degrees to the core axis at 61.15, foliation decreasing down section. Rare subrounded 1 to 3 mm diameter quartz amygdules. Strong hairline carbonate filled fracture, common 1 to 3 mm wide carbonate stringers. Trace -1% fine grained pyrite masses throughout commonly within the wispy chloritic stringers. Gradational lower contact lower less altered material.							
62.42	97.81	HIGH MAG BASALT							
			33965	62.42	63.09	.67	TR-1	.214	.32
			33966	63.09	64.09	1.00	TR-1	.280	.28
62.42	69.63	Fine grained massive flow. Dark green grey, highly magnetic flow. Moderately carbonatized as hairline calcite fracture filling and 1 to 10 mm wide stringers commonly at 50 to 70 degrees to the core axis. Weak to moderate chloritization of host generally decreasing down section. Small local patches of late brecciation are associated with strong carbonate veining and epidote veining. Wispy 1 to 3 mm wide epidote veinlets are common throughout and generally increase down section. 1% wispy chloritic fracture filling. Hematite commonly noted on fractures. Trace -1% fine grained sulphides. Pyrite masses noted along chlorite fracture filling, 1 to 2 mm wide rounded pyrite masses common throughout.	33967	64.09	65.09	1.00	TR-1	.300	.30
			33968	65.09	65.79	.70	TR-1	.182	.26
			33969	65.79	66.51	.72	TR-1	.216	.30
			33970	66.51	67.51	1.00	TR-1	.250	.25
			33971	67.51	68.46	.95	TR-1	.209	.22
			33972	68.46	69.12	.66	TR-1	.152	.23
			33973	69.12	69.63	.51	TR-1	.092	.18
			33974	69.63	70.23	.60	3-5	.192	.32
			33975	70.23	71.02	.79	1-2	.197	.25
			33976	71.02	71.54	.52	1-2	.140	.27
			33977	71.54	72.14	.60	1-2	.156	.26
			33978	72.14	72.74	.60	TR-1	.174	.29
			33979	72.74	73.71	.97	TR-1	.213	.22
			33980	86.84	87.40	.56	TR	.146	.26
			33981	87.40	88.05	.65	TR	.163	.25
			33982	92.24	92.70	.46	TR	.129	.28
65.83	66.45	A section of late brecciation with strong carbonate and epidote veining as matrix for angular mafic fragments. Minor quartz							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		associated with the epidote. Trace -1% fine grained sulphides.							
69.63	72.74	Flow top breccia. Light to dark green, weakly magnetic flow breccia. Distinct upper contact at 50 degrees to the core axis, lower contact gradational. Patchy weak magnetics throughout. 15 to 25% wispy chloritic matrix with 75 to 85% highly chloritic, generally subrounded fragments and common hyaloclastite. Rare scattered 0.5 to 1 mm diameter quartz amygdules noted throughout. Weak to moderate carbonatization as hairline calcite fracture filling and rare 1 to 3 mm wide stringers. Small local weakly silicified ( pervasively ) patches. Common hematite noted along fractures. 1 to 2% fine grained pyrite throughout commonly concentrated along chlorite fracture filling.							
71.10	71.37	A moderately foliated section at 60 to 70 degrees to the core axis.							
72.74	75.19	Amygdaloidal flow. Dark green, highly magnetic, fine grained, massive flow. 5 to 10% 0.5 to 1 mm diameter rounded calcitic and chloritic amygdules decreasing down section to a gradational contact with a fine grained massive flow. Rare calcite fracture filling. Trace -1% fine grained pyrite commonly within the chloritic amygdules.							
75.19	84.02	Fine grained massive flow. Dark green, highly magnetic flow. Weakly carbonatized as rare hairline calcite fracture filling and 1 to 3 mm wide stringers at various degrees to the core axis. Rare to common wispy 1 to 3 mm wide epidote stringers and chlorite fracture filling. Host is weakly to moderately chloritized, chloritization decreases down section. Trace fine grained pyrite throughout, commonly within the chlorite fracture filling. Gradational lower contact.							
84.02	87.40	Medium to coarse grained massive flow. Dark green, highly magnetic flow. Rare epidote veinlets, common hairline to 2 mm wide calcite fracture filling ( 1% ). Trace finely disseminated pyrite throughout with local concentrations associated with calcite fracture filling.							
86.84	86.95	A zone of intense, irregular quartz - carbonate veining at 42 degrees to the core axis. Trace finely disseminated pyrite associated. Brick red hematite staining at lower contact.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
87.40	88.05	SYENITE. Red-brown, medium grained, highly magnetic intrusive. Indistinct upper contact, lower contact at a zone of strong irregular carbonate veining at 80 degrees to the core axis. 10 to 20% grey 0.5 to 2 mm long feldspar laths, 1 to 5% 0.5 to 2 mm irregular chlorite masses in a very fine grained red-brown siliceous groundmass. Common hematite fracture filling. Trace finely disseminated pyrite with local concentrations at the contacts.							
88.05	92.24	Medium to coarse grained massive flow. Dark green, highly magnetic flow. Rare calcite fracture filling, commonly hematite noted on fractures. Weakly chloritized host, 1% wispy chloritic fracture filling.							
92.24	92.70	Fault zone. Dark green, weakly magnetic, fine grained section with a clay-grit seam at 78 degrees to the core axis from 92.55 to 92.56. Up section from the clay-grit seam, strong carbonatization ( 15 to 20% ) as hairline to 5 mm wide calcite fracture filling. Pervasive carbonatization down section from the clay-grit seam. Highly chloritized fine grained host with buff 0.5 to 1 mm leucoxene grains. Trace finely disseminated pyrite.							
92.70	97.81	Medium to coarse grained massive flow. Same as described above from 88.05 to 92.24. Becomes fine grained at lower contact.							

97.81 98.44 CHERTY

33983 97.81 98.44 .63 NIL .126 .20

Dark brownish grey, very fine grained, highly siliceous rock. Distinct irregular upper contact at 32 degrees to the core axis, sharp lower contact at 85 degrees to the core axis. At the upper contact, a weak foliation parallels the contact. Strong hairline to 3 mm wide epidote fracture filling at various degrees to the core axis. Common hematite noted along fractures. No visible sulphides.

98.44 116.65 BASALT

33984 98.44 99.44 1.00 TR .170 .17  
33985 99.44 100.28 .84 TR .260 .31

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
98.44	100.78	Flow breccia. Dark green, nonmagnetic breccia. Rare calcite fracture filling, rare scattered 0.5 to 2 mm diameter rounded carbonate amygdules. 5 to 10% chloritic matrix between subrounded to rounded highly chloritized fragments. Locally, the matrix is pervasively silicified. Trace finely disseminated pyrite throughout. Weakly foliated at upper contact at 58 degrees to the core axis. Lower contact indistinct in blocky, highly fractured core. Hematite commonly noted on fractures.	33986	100.28	100.78	.50	TR	.150	.30
			33987	100.78	101.65	.87	TR	.200	.23
			33988	101.65	101.95	.30	TR-1	.075	.25
			33989	106.88	107.51	.63	TR	.170	.27
			33990	107.51	108.51	1.00	TR	.210	.21
			33991	108.51	109.51	1.00	TR-1	.180	.18
			33992	109.51	110.51	1.00	TR	.200	.20
			33993	110.51	111.35	.84	TR	.277	.33
100.39	100.70	Clay-grit seam. 2 clay-grit seams within blocky, highly fractured core. A clay-grit seam from 100.39 to 100.42 at 63 degrees to the core axis. Strong hematization of the clay-grit seam. A second clay-grit seam from 100.66 to 100.70 at an unknown angle. Highly chloritized, massive host rock with trace finely disseminated pyrite.							
100.78	102.96	Amygdaloidal flow. Dark green, nonmagnetic, fine grained, massive flow. 1 to 5% 0.5 to 2 mm diameter rounded calcitic amygdules decreasing down section to a gradational contact with a fine grained massive flow. 1 to 3% 0.5 to 2 mm diameter chlorite masses in a moderately chloritized host. Rare calcite fracture filling. Common wispy 1 to 3 mm wide carbonate plus epidote veinlets. Trace finely disseminated pyrite.							
102.96	106.88	Fine grained massive flow. Dark green, nonmagnetic flow. Rare calcite fracture filling, common (1%) wispy chloritic fracture filling. Weakly chloritized host. Trace fine grained pyrite masses within the chloritic fracture filling. Weakly foliated at 60 degrees to the core axis at 102.21.							
104.20	104.60	Mafic intrusive. Sharp distinct upper and lower contact at 60 degrees to the core axis. Nonmagnetic, fine grained, pervasively carbonatized intrusive with trace finely disseminated pyrite.							
106.88	111.35	Flow breccia. Dark green, nonmagnetic breccia. Distinct irregular upper contact generally at 58 degrees to the core axis, gradational lower contact. 10 to 15% wispy fine grained chloritic matrix with 85 to 90% rounded to subrounded fragments and hyaloclastite. Generally rare calcite fracture filling with a section of 20 to							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		30% irregular calcite fracture filling and brecciation from 107.14 to 107.41. Highly chloritized fragments. Trace fine to medium grained pyrite commonly within the chloritic matrix. Moderately foliated at 58 degrees to the core axis at 108.15.							
111.35	114.00	Amygdaloidal flow. Dark green, nonmagnetic, fine grained, massive flow. 1 to 5% 0.5 to 1 mm diameter rounded carbonate amygdules decreasing down section to a gradational contact with the fine grained massive flow. Weakly chloritized host, rare calcite fracture filling. Trace fine grained pyrite throughout.							
114.00	116.65	Fine grained massive flow. Dark green, nonmagnetic flow. Gradational lower contact to a magnetic section. Rare calcite fracture filling, common chloritic fracture filling (1%). Weak chloritization of host. Trace fine grained pyrite masses associated with the chlorite fracture filling.							
<b>116.65 172.93 HIGH MAG BASALT</b>									
			33994	118.35	118.80	.45	1-3	.297	.66
			33995	143.81	144.31	.50	TR	.125	.25
116.65	118.35	Fine to medium grained massive flow. Grey-green, highly magnetic flow. Weakly carbonatized as rare calcite fracture filling, rare wispy epidote veinlets. Lower contact at broken core at a clay-grit seam.	33996	144.31	144.86	.55	1-2	.209	.38
			33997	144.86	145.26	.40	TR	.088	.22
			33998	150.97	151.27	.30	TR-1	.186	.62
			33999	151.84	152.84	1.00	1-2	.260	.26
			34000	160.00	160.65	.65	TR	.136	.21
			61001	167.54	167.84	.30	TR	.078	.26
118.35	121.05	Amygdaloidal flow. Dark green, weakly magnetic, fine grained, massive flow. 1 to 3% 0.5 to 1 mm diameter rounded carbonate amygdules decreasing down section to a gradational contact with the fine grained massive flow. At the upper contact a thin clay grit is noted on a fracture at 118.35 to 118.36 at 60 degrees to the core axis. The upper 5 cm is highly foliated at 60 degrees to the core axis and intensely carbonatized. Trace fine grained pyrite masses noted within chlorite fracture filling. Local pyrite concentration (10 to 15%) in the foliated zone at the upper contact.	61002	171.62	172.30	.68	TR	.150	.22
			61003	172.30	172.93	.63	TR	.145	.23
121.05	144.31	Fine to medium grained massive flow. Dark							

From	To	Description	Sample	From	To	Length & Sul	GW	Au g/t
		green, highly magnetic, weakly chloritized flow. Weakly carbonatized as rare calcite fracture filling. Local small patches of nonmagnetic material. Trace fine grained pyrite masses throughout. Rare to common wispy epidote veinlet at various degrees to the core axis.						
144.31	144.86	60% SILICIFIED. Dark greenish-grey, highly magnetic, moderately brecciated section. Common hairline calcite fracture filling, 1 to 5%, 3 to 5 mm wide calcite stringers at 60 to 80 degrees to the core axis. 10 to 20% wispy chloritic stringers separate battleship grey angular to subrounded highly silicified ( pervasively ) fragments. Brecciation and silicification decrease down section. 1 to 2% finely disseminated pyrite throughout. Sharp upper contact at a break in core at 85 degrees to the core axis, gradational lower contact.						
144.86	151.84	Fine to medium grained massive flow. Dark green, highly magnetic flow. Weak carbonatization as rare calcite fracture filling. Common ( 1 to 2% ) chlorite fracture filling at 60 degrees to the core axis, weakly chloritized host. Trace fine grained pyrite. Grain size generally decreases down section.						
151.84	153.01	Amygdaloidal flow. Dark green, moderately magnetic, fine grained flow. Upper contact at a 3 cm wide zone of carbonate veining at 60 degrees to the core axis. Gradational lower contact. 1% scattered 0.5 to 1 mm diameter carbonate and quartz amygdules, 1 to 2% 0.5 to 1 mm diameter rounded chlorite masses in a moderately chloritized host. Weakly carbonatized as rare calcite fracture filling, 3 to 5% wispy irregular chlorite stringers throughout. 1 to 3% fine to medium grained pyrite crystals within the chlorite fracture filling.						
153.01	160.00	Glomeroporphyritic flow. Dark green, moderately magnetic, weakly chloritized groundmass with 3 to 5% 1 to 5 mm diameter greenish-grey glomeroporphyritic feldspar. Rare chloritic stringers decreasing down section. Weakly carbonatized as rare calcite fracture filling. Common ( 1% ) wispy epidote veinlet generally increase down section. Trace fine grained pyrite						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		masses commonly associated with chloritic stringers.							
160.00	160.65	MAFIC SYENITE. Brownish grey, fine grained, moderately magnetic intrusive. Distinct sharp upper and lower contacts at 50 and 65 degrees to the core axis respectively. 20 to 30% 0.5 to 1 mm diameter chloritic masses in a fine grained brownish grey groundmass. Intense pervasive carbonatization, rare calcite fracture filling. Trace finely disseminated pyrite throughout.							
160.65	170.61	Glomeroporphyritic flow. Same as described above from 153.01 to 160.00. Overall grain size increases down section. Gradational lower contact as scattered glomeroporphyritic feldspar decreases. Common 1 to 2% wispy chloritic stringers feldspar decreases. Common 1 to 2% wispy chloritic stringers and 1% epidote veinlet commonly at 40 degrees to the core axis.							
167.64	167.79	A 3 cm wide quartz - carbonate vein at 32 degrees to the core axis. Trace medium grained pyrite associated with adjacent host rock.							
170.61	172.30	Fine grained massive flow. Dark green, highly magnetic flow. Weak carbonatization as rare carbonate filled fracture, rare 1 to 5 mm wide quartz - carbonate veinlets. Common 1% wispy irregular chlorite fracture filling. Trace fine to medium grained pyrite within the chloritic stringers. Gradational lower contact to a brecciated zone.							
172.30	172.93	Breccia. Dark green, weakly magnetic, fine grained, moderately brecciated material. 3 to 5% wispy irregular chlorite stringers between highly chloritized subrounded fragments. Rare calcite fracture filling. Trace fine grained pyrite throughout commonly within the chloritic stringers. Moderately foliated at 50 degrees to the core axis at 172.71. Gradational lower contact. Patchy weak magnetism.							
172.93	180.84	BASALT							
			61004	175.87	176.39	.52	TR	.104	.20
			61005	176.39	176.69	.30	TR	.075	.25
172.93	180.84	Amygdaloidal flow. Dark green, fine	61006	176.69	177.49	.80	TR	.176	.22





From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
181.69	182.06	A zone of 3 to 5% carbonate stringers, irregular quartz veining and pervasive silicification. 8 to 10% fine to medium grained pyrite.							
182.48	182.65	Chert. Greenish-grey, very fine grained, well laminated rock. 4 to 10 mm wide laminations at 65 degrees to the core axis. Rare calcite fracture filling and quartz veining between laminations. 1 to 3% fine to medium grained pyrite along the foliation.							
182.65	183.08	A weakly foliated, highly chloritized section. Foliation at 65 to 70 degrees to the core axis. Trace -1% finely disseminated pyrite throughout. Distinct irregular lower contact with a silicified zone.							
183.08	183.97	70% SILICIFIED. Greenish-grey, nonmagnetic, pervasively silicified section. Upper contact at irregular quartz pods and associated 15 cm of battleship grey 100% SILICIFIED material. Host rock is a fine grained mafic flow with 1 to 3% 0.5 to 1 mm long feldspar laths. Rare calcite fracture filling. A weak fragmental texture is noted with wispy dark green fracture filling separating angular pervasively silicified host material. Trace finely disseminated pyrite. Gradational lower contact.							
183.97	201.00	HIGH MAG BASALT							
			61017	183.97	185.01	1.04	TR	.281	.27
			61018	185.01	185.51	.50	TR	.075	.15
183.97	197.58	Feldspars. Dark grey-green, moderately magnetic, fine grained flow with 3 to 8% 0.5 to 2 mm long grey feldspar laths. 1 to 3% scattered 1 to 5 mm diameter rounded quartz and carbonate amygdules. Rare calcite fracture filling increasing down section. From 188.06 to 197.21 common hairline to 3 mm wide calcite fracture filling. Common quartz veining (1-2%) 1 to 10 mm wide stringers at various degrees to the core axis and larger 2 to 4 cm wide veins commonly at 50 to 60 degrees to the core axis. Quartz veining decreases down section as carbonate veining increases. Moderately chloritized host with small	61019	186.74	187.54	.80	TR	.088	.11
			61020	188.37	188.98	.61	TR	.110	.18
			61021	191.54	192.54	1.00	TR	.090	.09
			61022	195.83	196.13	.30	1	.036	.12
			61023	197.21	197.58	.37	TR	.026	.07
			61024	197.58	198.18	.60	TR-1	.054	.09
			61025	198.18	198.78	.60	TR-1	.054	.09
			61026	198.78	199.36	.58	TR-1	.191	.33
			61027	199.36	200.00	.64	TR	.051	.08
			61028	200.00	201.00	1.00	TR	.210	.21

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		local patches of pervasive silicification. Trace fine grained pyrite throughout. Veining decreases down section overall.							
186.42	186.98	A weakly foliated section associated with 10 to 15% quartz - carbonate veining generally along the foliation. Foliation at 58 degrees to the core axis. Trace finely disseminated pyrite.							
195.86	196.08	A battleship grey, pervasively silicified section with gradational upper and lower contacts. Strong hairline calcite fracture filling. Weak brecciation with 3 to 5% wispy chloritic fracture filling separating angular pervasively silicified fragments. 1% finely disseminated pyrite.							
197.58	199.36	80% SILICIFIED. Dark grey, fine grained, highly magnetic zone of strong pervasive carbonatization. Gradational upper and lower contacts from hard grey fine grained material to dark green weakly magnetic material. 1 to 2% 1 to 3 mm wide calcite stringers commonly at 45 degrees to the core axis. Trace - 1% finely disseminated pyrite throughout.							
199.36	201.00	Fine grained massive flow. Dark green, weakly magnetic flow. Patchy weak magnetics decreasing down section. Strong pervasive carbonatization and common hairline to 3 mm wide calcite fracture filling. Weak to moderate chloritization of host trace finely disseminated pyrite. Distinct irregular lower contact at 48 degrees to the core axis.							
201.00	217.73	BASALT							
			61029	201.00	201.86	.86	TR	.206	.24
			61030	201.86	203.05	1.19	TR	.143	.12
201.00	201.86	Flow breccia. Light green, nonmagnetic breccia with a gradational lower contact. A wispy (commonly foliated) chloritic matrix hosts subrounded highly chloritized fragments and hyaloclastite. Foliation at 55 degrees to the core axis at 201.14, 50 degrees to the core axis at 201.66. Strong pervasive carbonatization throughout. A quartz vein from 201.17 to 201.29 at 70 degrees to the core axis. Common 0.5 to 1 mm diameter chloritic amygdules. Trace fine to medium grained pyrite with local							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		concentration associated with the upper contact and the quartz vein.							
201.86	203.05	Chloritic, Light green, nonmagnetic moderately to highly chloritized groundmass with 3 to 5% subrounded, commonly lensoidal 1 to 5 mm diameter chlorite masses. Rare 1 to 3 mm diameter quartz amygdules. Moderately carbonatized as common hairline to 2 mm wide calcite fracture filling. Gradational lower contact. Trace finely disseminated pyrite throughout.							
203.05	211.78	Fine grained massive flow. Dark green, nonmagnetic flow. Weakly carbonatized as rare calcite fracture filling. Weakly to moderately chloritized. Rare quartz plus epidote veining increasing down section. Trace finely disseminated pyrite throughout							
211.78	217.73	Fine to medium grained massive flow. Dark green, nonmagnetic, weakly carbonatized flow. Carbonatization as rare calcite fracture filling. Weakly chloritized host, rare epidote veinlets. Trace finely disseminated pyrite. Medium grained at lower contact.							
217.73	255.12	HIGH MAG BASALT							
			61031	233.90	234.60	.70	TR	.084	.12
			61032	234.60	235.50	.90	TR	.099	.11
217.73	234.60	Fine to medium grained massive flow. Intrusive ?. Greenish-grey, highly magnetic, weakly chloritized rock. Upper contact in a zone of broken core. Core fragments reveal a sharp contact with aphanitic, magnetic material at 28 degrees to the core axis. Down section from the contact area, a gradational grain size increase is noted. 1 to 5% 0.5 to 1 mm black magnetite grains, 25 to 35% greenish-grey 0.5 to 1 mm diameter feldspar grains in a fine grained mafic rich groundmass. Rare 1 to 3 mm wide wispy epidote plus carbonate veinlets. Trace finely disseminated pyrite and possible pyrrhotite throughout. Well fractured rock with chlorite noted along the fractures.							
234.60	235.50	Brecciated. Greenish-grey, highly magnetic, noncarbonatized, moderately chloritized rock. Distinct sharp upper							

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

contact at 22 degrees to the core axis. Gradational lower contact. Moderately foliated from 234.83 to 234.96 at 40 degrees to the core axis. 5 to 10% wispy chloritic fracture filling at various degrees to the core axis between moderately chloritized angular host fragments. From 234.96 to 235.15 the chloritic material occurs as 2 cm wide irregular bands at 50 to 60 degrees to the core axis. Rare 3 to 8 mm diameter pink feldspar masses. Brecciation decreases down section. Trace finely disseminated pyrite.

235.50 255.12 Fine to medium grained massive flow. Intrusive ?. Dark greenish-grey, highly magnetic, weakly chloritized, weakly carbonatized unit. Compostionally as described above from 217.73 to 234.60. Rare carbonate plus epidote veinlets at various degrees to the core axis. Trace finely disseminated pyrite throughout. Common chloritic fractures.

255.12 END OF HOLE.

Property: Foster-Harley  
 Township: Harker  
 Claim: L-738091  
 NTS: 32D/5

DIAMOND DRILL RECORD

Hole #: MC.89-484

Survey Co-ords: 2571.6 8202.7  
 Cut-Grid Co-ords: L16+75E.20+50S  
 Section: L16+75E  
 Elevation: 4990.0  
 Measurement: Metric

Date Logged: April 1989  
 Logged by: G. Potts  
 Signature: *G. Potts*

Azimuth: 307.5  
 Dip: -58.0  
 Length: 304.8

Contractor: Philippon  
 Core Size: BQ  
 Date Started: April 18, 1989  
 Date Completed: April 25, 1989

Core Stored At: Holt-McDermott  
 Comments: Casing pulled

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-56.5	182.88		-55.0	304.80		-56.0
91.44		-55.0	228.60		-55.5			
137.16		-57.0	274.32		-56.0			

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

.00 31.09 OVERBURDEN.  
 31.09 38.20 HIGH MAG BASALT.  
 38.20 53.14 BASALT.  
 53.14 179.58 HIGH MAG BASALT.  
 179.58 197.50 GHOSTMOUNT MINERALIZED ZONE.  
 197.50 211.46 HIGH MAG BASALT.  
 211.46 215.57 Mafic intrusive.  
 215.57 240.10 HIGH MAG BASALT.  
 240.10 243.47 Mafic intrusive.  
 243.47 250.07 HIGH MAG BASALT.  
 250.07 273.60 BASALT.  
 273.60 304.80 HIGH MAG BASALT.  
 304.80 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	31.09	OVERBURDEN							
31.09	38.20	HIGH MAG BASALT							
			61033	33.85	34.31	.46	TR-1	.041	.09
			61034	34.31	34.61	.30	1-2	.045	.15
31.09	33.85	Fine to medium grained massive flow. Dark green, moderately magnetic flow with a fish-net texture. Weakly carbonatized, moderately chloritized host. Trace finely disseminated pyrite. Fine grained at sharp lower contact at 40 degrees to the core axis.	61035	34.61	35.61	1.00	TR-1	.140	.14
			61036	35.61	36.61	1.00	TR	.140	.14
33.85	35.84	Chloritic. Dark green, moderately magnetic, highly chloritized fine grained massive flow. 5 to 8% 1 to 2 mm diameter subrounded to rounded chlorite masses in a fine grained moderately chloritized groundmass. 1 to 2% wispy chlorite fracture filling at various degrees to the core axis. Rare calcite fracture filling, common ( 1% ) wispy irregular epidote stringers. Generally massive, weakly foliated at 20 degrees to the core axis adjacent to the clay-grit seam. Trace -1% fine grained pyrite commonly within the chlorite fracture filling. Local concentrations associated with the clay-grit seam. Gradational lower contact.							
34.38	34.53	Clay-grit seam. Thin chlorite plus clay grit along a fracture at 25 degrees to the core axis associated with epidote veinlets and carbonate plus hematite stringers at 25 degrees to the core axis. 1 to 2% fine to medium grained pyrite.							
35.84	38.20	Amygdaloidal flow. Dark green, highly magnetic flow. 1 to 3%, 1 to 5 mm diameter subrounded quartz and quartz-carbonate							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		amygdules. 1% quartz - carbonate veining, weak to moderate chloritization of host. Trace fine to medium grained pyrite associated with veining. Gradational lower contact to nonmagnetic material.							
38.20	53.14	BASALT	61037	46.83	47.23	.40	TR-1	.044	.11
			61038	49.94	50.36	.42	3-5	.055	.13
38.20	49.95	Fine to medium grained massive flow. Dark green, nonmagnetic flow. Rare to common (1%) irregular wispy chlorite fracture filling, and epidote plus carbonate veinlets at various degrees to the core axis. Trace fine grained pyrite throughout. Weakly foliated at 40 degrees to the core axis at 47.03 associated with 5 to 10% medium grained carbonate veining commonly along the foliation and 1% finely disseminated pyrite. Gradational lower contact to a flow breccia.	61039	50.36	50.64	.28	TR	.036	.13
			61040	50.64	51.44	.80	TR-1	.128	.16
			61041	51.44	52.21	.77	1-2	.085	.11
			61042	52.21	53.14	.93	TR	.140	.15
49.95	53.14	Flow breccia. Light to dark green, nonmagnetic breccia with a gradational upper contact and a sharp lower contact at 62 degrees to the core axis. 1 to 3% scattered 0.5 to 5 mm diameter subrounded carbonate and quartz-carbonate amygdules. Commonly 5 to 10% fine grained wispy chloritic matrix with subrounded moderately chloritized fragments. Weakly carbonatized as local patches of matrix material. Common local patches of pervasive silicification. Trace -1% fine to medium grained pyrite with the matrix with local concentrations associated with the intrusive.							
50.36	50.64	Mafic intrusive. Brownish green, medium grained, nonmagnetic intrusive with strong pervasive carbonatization. Sharp upper and lower contacts at 60 and 65 degrees to the core axis respectively. 5 to 10% 1 to 3 mm diameter chlorite masses, 1 to 5% red-brown 0.5 to 2 mm diameter feldspar (?) in a fine grained brownish green groundmass. Trace finely disseminated pyrite.							
52.21	53.14	80% SILICIFIED. Light green, pervasively silicified section. Trace fine grained pyrite associated. Weakly magnetic.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
53.14	179.58	HIGH MAG BASALT	61043	53.14	53.98	.84	TR	.084	.10
			61044	58.05	58.56	.51	TR	.051	.10
53.14	54.85	Amygdaloidal flow. Dark green, fine grained, moderately magnetic massive flow with 3 to 5% carbonate and quartz-carbonate 1 to 5 mm diameter amygdules. Gradational lower contact. Moderately chloritized, weakly carbonatized rock with trace finely disseminated pyrite.	61045	58.56	59.07	.51	TR	.000	nil
			61046	62.06	62.36	.30	TR	.000	nil
			61047	66.14	66.74	.60	TR	.072	.12
			61048	74.02	75.02	1.00	TR-1	.130	.13
			61049	75.46	75.86	.40	TR	.040	.10
			61050	79.86	80.16	.30	TR	.033	.11
			61051	84.10	85.10	1.00	TR-1	.110	.11
54.85	58.56	Fine grained massive flow. Dark green, moderately magnetic flow. Rare carbonate amygdules noted. Moderately chloritized host, weakly carbonatized as rare calcite fracture filling. Lower contact gradational into brecciated material.	61052	85.10	85.75	.65	TR-1	.078	.12
			61053	85.75	86.05	.30	TR	.039	.13
			61054	86.05	87.05	1.00	TR	.120	.12
			61055	87.05	88.05	1.00	TR	.270	.27
			61056	91.57	92.07	.50	TR	.085	.17
			61057	92.07	92.74	.67	1	.395	.59
58.56	59.07	70% SILICIFIED. Fine grained, light to dark green, weakly magnetic brecciated material. 70% SILICIFIED ( pervasively ) light green material with 10 to 20% irregular chloritic fracture filling as a matrix for angular fragments. Trace fine grained pyrite masses associated with the chlorite fracture filling. Distinct lower contact at 78 degrees to the core axis. Rare quartz amygdules noted.	61058	92.74	93.15	.41	1	.459	1.12
			61059	93.15	94.10	.95	1	.665	.70
			61060	94.10	94.75	.65	TR	.091	.14
			61061	109.40	109.80	.40	TR	.072	.18
			61062	113.71	114.71	1.00	TR	.220	.22
			61063	114.71	115.71	1.00	TR	.280	.28
			61064	131.01	131.41	.40	TR-1	.092	.23
			61065	131.41	131.71	.30	1-2	.072	.24
			61066	132.45	133.20	.75	TR-1	.127	.17
			61067	133.20	133.90	.70	TR	.147	.21
59.07	63.45	Amygdaloidal flow. Dark green, fine grained, moderately magnetic flow with 10 to 20% 1 to 8 mm diameter subrounded carbonate and quartz plus epidote amygdules. Rare calcite fracture filling, common wispy 0.5 to 3 mm diameter epidote veinlets. Amygdules decrease down section to a contact with a fine grained massive flow. Trace finely disseminated pyrite commonly associated with 1 to 3% 0.5 to 3 mm diameter chlorite masses.	61068	138.68	139.48	.80	TR-1	.152	.19
			61069	141.27	142.15	.88	1-2	.158	.18
			61070	144.78	145.43	.65	TR	.104	.16
			61071	146.79	147.67	.88	TR	.114	.13
			61072	147.67	148.47	.80	TR-1	.120	.15
			61073	148.47	149.21	.74	TR	.118	.16
			61074	149.21	149.51	.30	NIL	.045	.15
			61075	167.20	167.47	.27	TR	.043	.16
			61076	167.47	168.30	.83	TR-1	.133	.16
			61077	168.30	169.10	.80	TR-1	.144	.18
62.10	62.27	A quartz - carbonate vein at 20 degrees to the core axis.	61078	169.10	170.08	.98	TR-1	.167	.17
			61079	170.08	171.00	.92	TR-1	.156	.17
63.45	74.04	Fine grained massive flow. Dark green, moderately magnetic flow with local small amygdular patches. Rare calcite fracture filling, common (1%) wispy epidote stringers. Common (1%), irregular chlorite fracture filling. Trace fine to medium grained pyrite crystals commonly within chlorite fracture filling.	61080	171.00	172.00	1.00	TR-1	.140	.14
			61081	172.00	173.00	1.00	1-2	.170	.17
			61082	173.00	173.70	.70	TR-1	.091	.13
			61083	173.70	174.30	.60	TR	.114	.19
			61084	174.30	174.89	.59	TR	.094	.16
			61085	174.89	175.23	.34	TR	.048	.14
			61086	177.52	178.32	.80	TR	.104	.13
			61087	178.32	179.08	.76	TR	.106	.14
66.31	66.41	A zone of brecciation associated with carbonate veining and chlorite fracture filling. Brownish green angular host fragments. Adjacent rock is highly chloritized and amygdular down section.	61088	179.08	179.58	.50	TR	.065	.13



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
74.04	75.02	Carbonate veining. A section of 10 to 20% 1 to 10 mm wide stringers and larger veins at various degrees to the core axis, commonly at 20 to 30 degrees to the core axis. Trace -1% fine to medium grained pyrite associated.							
75.02	85.75	Fine grained massive flow. Dark grey-green, highly magnetic flow. Moderately chloritized host, rare epidote veinlets. Rare to common calcite stringers throughout. Trace fine grained pyrite.							
79.91	80.13	A section of 60% carbonate - quartz veining generally at 30 to 40 degrees to the core axis. Trace finely disseminated pyrite noted within the adjacent host.							
84.10	85.75	A section of moderate to strong pervasive carbonatization increasing down section. Dark green, moderately chloritized rock with common chloritic fracture filling and 1 to 2% carbonate stringers. Lower contact in a zone of brecciation, quartz veining and strong carbonatization. Trace -1% fine grained pyrite throughout.							
85.75	92.07	Fine to medium grained massive flow. Dark brownish green to black, highly magnetic rock. Upper contact at 7 cm wide zone of brecciation with 5 to 8% wispy chloritic matrix and angular to subrounded fragments. Possible gradational upper contact. Strong pervasive carbonatization throughout. 30 to 40% 0.5 to 1 mm long grey to buff pervasively carbonatized grains elongate along a foliation. Foliation at 50 to 55 degrees to the core axis from 86.94 to 90.10. Fine grained moderately to highly chloritized groundmass. Trace fine to medium grained pyrite. Rare calcite stringers.							
92.07	93.15	Brecciated. Brownish green, medium grained, highly magnetic material. Gradational upper and lower contacts. Strong pervasive carbonatization, common ( 1-5% ) calcite stringers at various degrees to the core axis. 10 to 20% wispy chlorite stringers between angular to subrounded fragments. Weakly to moderately brecciated with massive patches. 1% fine grained pyrite throughout. A fracture at 10 degrees to the core axis from 92.74 to 92.92 displays a strong lineation at 35 degrees to the core axis.							
93.15	94.10	Pervasive carbonatization. Greenish-grey, fine grained, highly carbonatized section. Gradational lower contact. 1% fine grained pyrite.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
93.15	113.71	Fine to medium grained massive flow. Dark green, highly magnetic, weakly carbonatized, weakly chloritized flow. Trace fine grained pyrite throughout. Distinct lower contact at 45 degrees to the core axis.							
94.44	94.75	Strong carbonate veining at 23 degrees to the core axis with common angular fragmental host material and trace fine grained pyrite.							
113.71	122.70	Fine grained massive flow. Dark green, moderately magnetic flow. Strong carbonatization as calcite fracture filling at various degrees to the core axis and patches of pervasively carbonatized rock. Calcite fracture filling decreases down section. Common 1 to 2% calcite plus wispy, irregular epidote stringers. Weakly to moderately chloritized host. Trace fine grained pyrite throughout. Gradational lower contact to an amygdaloidal flow.							
122.70	142.13	Pillowed flow. Dark green, weakly magnetic, aphanitic flow with scattered 1 to 5 mm diameter rounded carbonate amygdules throughout. Common chloritic 1 cm wide pillow selvages noted at various degrees to the core axis. Carbonate rich selvages noted with local concentrations of fine to medium grained pyrite. 1% wispy irregular calcite plus epidote veining. Weakly to moderately chloritized host. Trace fine grained pyrite. Magnetic increases down section.							
131.53	131.68	Carbonate plus epidote veining at 38 degrees to the core axis associated with 1 to 3% finely disseminated pyrite. Locally rich in epidote veinlets.							
133.58	133.88	Quartz - carbonate vein at 20 degrees to the core axis associated with trace finely disseminated pyrite.							
139.00	139.45	A grey pervasively silicified section with 10 to 20% carbonate veining at 65 degrees to the core axis and trace -1% finely disseminated pyrite.							
141.37	142.13	Carbonate veining. 40% carbonate veining as 2 separate veins. From 141.37 to 141.80, highly irregular carbonate veining and brecciation is associated with 1 to 2% fine grained pyrite masses. From 141.57 to 142.13 a carbonate vein with 50% angular host fragments is associated with 1 to 3% fine grained pyrite masses. Sharp upper							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		and lower contacts at 35 degrees to the core axis and 205 degrees to the core axis.							
142.13	148.47	Pillowed flow. Same as described above from 122.70 to 142.13. Selvage decreases down section.							
144.78	145.43	A grey green weakly silicified ( pervasively ) section associated with a thin MAFIC SYENITE from 144.99 to 145.10 at 68 degrees to the core axis.							
147.27	148.47	Dark grey green, fine grained, massive rock with local pervasively silicified patches generally decreasing down section.							
148.47	167.47	Medium to coarse grained massive flow. Dark green, highly magnetic flow. Upper contact indistinct at broken core at 55 degrees to the core axis. Weakly carbonatized as rare calcite fracture filling. Weakly to moderately chloritized rock. Trace fine grained pyrite throughout. Well fractured with chlorite along the fractures. Distinct sharp lower contact at 20 degrees to the core axis.							
149.36	149.37	Clay-grit seam. Thin chloritic plus clay grit at 55 degrees to the core axis. Highly chloritized adjacent host rock from 149.28 to 149.50 with small syenitic (?) veinlets at various degrees to the core axis. No visible sulphides.							
167.20	167.47	Moderately chloritized blocky, highly fractured core with trace finely disseminated pyrite.							
167.47	174.30	Flow top breccia. Grey-green, highly magnetic, highly brecciated rock. 60% SILICIFIED. Silicification as a pervasive silicification throughout and minor small quartz veinlets. Rare scattered carbonate amygdules noted in less brecciated sections. 15 to 25% very fine grained light greenish-grey hard matrix with angular to subrounded host fragments and hyaloclastite. Moderately carbonatized as rare - common calcite stringers generally increasing down section. Less silicified zones are moderately chloritized. Common brick red fine grained material associated with carbonate and quartz veining. Trace -1% fine grained pyrite throughout. Commonly weakly to moderately foliated. Foliation 25 degrees to the core axis at 169.70, 28 degrees to the core axis at 171.63 and 35 degrees to the core axis at 172.08.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
174.30	174.89	Fine grained massive flow. Dark green, highly magnetic, weakly carbonatized, weakly chloritized flow. Trace finely disseminated pyrite noted.							
174.89	175.23	Fault zone. Grey-green, fine grained, highly magnetic moderately chloritized rock centered on a 1 cm wide gouge at 65 degrees to the core axis. Weakly carbonatized as a 1 cm wide stringer paralleling the fault gouge adjacent to it. Trace finely disseminated pyrite. Gradational upper and lower contacts.							
175.23	179.58	Fine grained massive flow. Dark green, highly magnetic flow. Weakly to moderately chloritized. Rare hairline to 3 mm wide calcite fracture filling increases down section. Trace finely disseminated pyrite.							
178.12	178.19	Clay-grit seam. Thin clay-grit seam along a fracture at 35 degrees to the core axis. Adjacent host rock is highly chloritized and weakly carbonatized with trace finely disseminated sulphides.							

179.58 197.50 GHOSTMOUNT MINERALIZED ZONE

			61089	179.58	180.08	.50	TR-1	.055	.11
			61090	180.08	180.58	.50	TR-1	.085	.17
179.58	181.89	30% SILICIFIED. Dark greenish-grey, highly magnetic, weakly to moderately brecciated material. Gradational upper contact to a fine grained massive flow with 5 to 10% calcite stringers at various degrees to the core axis. Silicification as common hairline quartz fracture filling and larger irregular quartz - carbonate veins. Moderate carbonatization as common (1-3%) 1 to 10 mm wide carbonate stringers at 55 to 65 degrees to the core axis. Hard, very fine grained brick red material associated with the veining. Finely brecciated material commonly with subrounded to rounded fragments. Trace -1% fine grained pyrite throughout. Moderately foliated at lower contact at 55 degrees to the core axis.	61091	180.58	181.38	.80	1-2	.096	.12
			61092	181.38	181.89	.51	TR-1	.066	.13
			61093	181.89	182.89	1.00	TR-1	.080	.08
			61094	182.89	183.75	.86	TR-1	.129	.15
			61095	183.75	184.43	.68	TR-1	.095	.14
			61096	184.43	185.25	.82	TR	.139	.17
			61097	185.25	185.85	.60	TR	.078	.13
			61098	185.85	186.55	.70	TR	.084	.12
			61099	186.55	187.05	.50	TR	.080	.16
			61100	187.05	188.13	1.08	TR	.432	.40
			61101	188.13	188.65	.52	TR	.068	.13
			61102	188.65	189.30	.65	TR	.065	.10
			61103	189.30	189.97	.67	TR	.080	.12
			61104	189.97	190.70	.73	TR	.117	.16
		61105	190.70	191.33	.63	TR	.403	.64	
		61106	191.33	192.23	.90	TR-1	.225	.25	
		61107	192.23	192.93	.70	1-2	.294	.42	
		61108	192.93	193.63	.70	1-2	.231	.33	
181.89	183.75	Massive. Greenish-grey, highly magnetic, highly carbonatized material. Carbonatization is pervasive and as hairline to 5 mm wide calcite stringers. Harder grey sections suggest local weak	61109	193.63	194.16	.53	TR-1	1.283	2.42
			61110	194.16	195.07	.91	TR-1	.764	.84
			61111	195.07	195.79	.72	TR	.130	.18
			61112	195.79	196.29	.50	TR	.065	.13
			61113	196.29	196.90	.61	TR	.104	.17

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		pervasive silicification. Scattered 1 to 3 mm diameter carbonate amygdules noted. Trace -1% fine grained pyrite masses. Gradational upper contact in foliated material, distinct irregular lower contact with brecciated material. Moderately foliated at 35 degrees to the core axis from 183.00 to 183.75.	61114	196.90	197.50	.60	TR	.072	.12
183.75	184.43	Brecciated. Dark greenish-grey, moderately magnetic, highly brecciated material. Weakly carbonatized as rare calcite stringers. 15 to 25% fine grained moderately chloritized matrix with angular to subrounded fine grained greenish-grey silicified fragments. Common brick red fracture filling. Trace -1% finely disseminated pyrite throughout. Gradational lower contact.							
184.43	185.25	Massive. Dark green, highly magnetic massive section. Moderately carbonatized as common hairline to 3 mm wide calcite fracture filling. Moderately chloritized rock with trace finely disseminated pyrite.							
185.25	187.05	Brecciated. Dark grey-green to black, moderately magnetic, highly brecciated section. Irregular indistinct upper contact, gradational lower contact into silicified material. Moderately carbonatized as common irregular hairline to 3 mm wide calcite fracture filling and subrounded to lensoidal pods (possible amygdules). Fine to medium grained brecciated material with 15 to 20% fine grained moderately chloritized wispy matrix and subrounded to rounded (generally) highly chloritized fragments. Common 1 to 2% irregular brick red fine grained hard veinlets. Small local weakly silicified grey patches throughout. Weakly foliated at 186.06 at 40 degrees to the core axis. Trace fine grained pyrite throughout.							
187.05	191.33	70% SILICIFIED. Greenish-grey, highly magnetic, moderately brecciated section. Strong pervasive silicification, common irregular zones of quartz flooding and hairline quartz fracture filling. Moderate carbonatization as common fracture filling. Common brick red fine grained vein material associated with carbonate stringers and quartz flooding. Finely brecciated with local small massive							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		sections displaying scattered 1 to 5 mm diameter variolites. Commonly weakly to moderately foliated. Foliation 35 degrees to the core axis at the upper contact, 45 degrees to the core axis at 188.93, 45 degrees to the core axis at 190.97. Trace fine grained pyrite and chalcopyrite throughout.							
191.33	195.60	20% SILICIFIED. Dark green rock with brownish grey patches. Nonmagnetic, intensely brecciated section. Highly carbonatized as pervasive carbonatization and strong hairline calcite fracture filling at various degrees to the core axis. 1% 1 to 5 mm wide calcite stringers. Carbonatization increases down section. 20 to 30% fine grained wispy chlorite matrix with angular to rounded fragments (commonly subrounded). Local silicified patches common as pervasive silicification of fragments. Rare brick red veinlets. Trace -1% finely disseminated pyrite with local concentrations of 1 to 2% associated with brownish grey silicified patches. Silicification decreases down section, while chloritization increases generally. Weakly foliated at upper contact at 35 degrees to the core axis, 48 degrees to the core axis at 193.25.							
194.16	194.68	A section of highly rubbled chlorite rich core.							
195.60	195.72	GHOSTMOUNT FAULT ZONE. Intensely chloritized, intensely carbonatized fault gouge at 40 to 45 degrees to the core axis. Trace finely disseminated pyrite. Intensely brecciated up section from the fault gouge, brecciation stops at the fault gouge.							
195.72	196.90	Chloritic. Dark green, nonmagnetic, fine grained, massive highly chloritized rock. Intense pervasive carbonatization, common (1%) 1 to 3 mm wide calcite stringers. Rare irregular 1 cm wide blue-grey quartz stringers. Weakly foliated at upper contact at 45 degrees to the core axis. Trace finely disseminated pyrite throughout							
196.90	197.50	Fault zone. Brownish green, nonmagnetic, moderately brecciated section with a thin clay-grit seam from 197.06 to 197.10 at 32 degrees to the core axis. Highly carbonatized as strong hairline to 3 mm wide calcite fracture filling at various							

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

degrees to the core axis. 70% SILICIFIED.  
Pervasive silicification of angular  
fragmental host material. 15 to 20% fine  
grained wispy chloritic matrix.  
Gradational upper and lower contacts.  
Trace finely disseminated pyrite throughout

197.50 211.46 HIGH MAG BASALT

61115 197.50 198.00 .50 TR-1 .065 .13  
61116 198.00 199.00 1.00 TR .120 .12  
61117 199.00 200.00 1.00 TR .120 .12

197.50 200.33 Amygdaloidal flow. Dark green, highly  
magnetic, fine grained massive flow with 1  
to 5%, 1 to 3 mm diameter subrounded to  
rounded carbonate amygdules. Upper contact  
indistinct in a fault zone, lower contact  
is gradational. Weakly to moderately  
carbonatized as calcite fracture filling  
decreasing down section. Moderately  
chloritized mafic, rock. Rare hematite  
fracture filling noted. Trace fine grained  
pyrite throughout.

200.33 211.46 Fine grained massive flow. Dark green,  
moderately magnetic, weakly carbonatized  
flow. Rare calcite stringers commonly at  
35 degrees to the core axis. Moderately  
chloritized. Trace finely disseminated  
pyrite throughout. Hematite commonly noted  
on fractures.

211.46 215.57 MAFIC INTRUSIVE

61118 211.46 212.46 1.00 TR .110 .11  
61119 214.57 215.57 1.00 TR .140 .14

Pinkish green, moderately magnetic, fine grained  
intrusive. Indistinct upper contact at broken core and  
carbonate veining. Lower contact distinct and irregular  
generally at 15 degrees to the core axis. Strong  
pervasive carbonatization, rare 1 to 5 mm wide carbonate  
stringers at various degrees to the core axis. 10 to 20%  
0.5 to 1 mm globular chlorite masses in a fine grained  
brownish green groundmass. Trace finely disseminated  
pyrite.

215.57 240.10 HIGH MAG BASALT

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			61120	215.57	215.87	.30	TR	.045	.15
			61121	227.68	227.99	.31	TR	.043	.14
215.57	230.80	Fine to medium grained massive flow. Dark green, highly magnetic flow. Weakly carbonatized as rare calcite fracture filling. Rare wispy irregular epidote veinlets. Weakly chloritized rock. Trace fine grained pyrite throughout.	61122	230.73	231.30	.57	TR	.074	.13
			61123	232.00	232.70	.70	TR	.084	.12
			61124	232.70	233.60	.90	TR	.126	.14
			61125	238.35	238.97	.62	TR	.062	.10
230.80	231.28	Clay-grit seam. Thin hematite and chlorite rich clay-grit seam on a fracture along the core axis ( 10 degrees to the core axis ). Blocky, highly fractured core. A strong lineation is a noted in the grit ( possible slickensides ). Adjacent host is moderately chloritized with trace finely disseminated pyrite.							
231.28	232.70	Fine to medium grained massive flow. Same as described above from 215.57 to 230.80. Lower contact highly irregular and sharp. Moderately chloritized at lower contact.							
232.70	240.10	Fine to medium grained massive flow. Dark green, highly magnetic flow. Rare calcite fracture filling, weakly to moderately chloritized host. Well fractured core, hematite commonly noted along fractures. Medium grained sections display a fish-net texture. Trace finely disseminated pyrite.							
238.76	238.93	Clay-grit seam. Blocky, highly fractured core with fragments of hematite and chlorite rich clay grit on fracture surfaces. Highly carbonatized as calcite fracture filling producing a brecciation. Trace finely disseminated pyrite associated							
240.10	243.47	MAFIC INTRUSIVE							
			61126	240.10	241.10	1.00	TR	.120	.12
			61127	242.97	243.47	.50	TR-1	.060	.12
		Red green, fine to medium grained, weakly magnetic intrusive. Sharp upper contact at 50 degrees to the core axis, distinct highly irregular lower contact generally at 20 degrees to the core axis. Weakly carbonatized as rare hairline to 1 mm wide calcite fracture filling. 10 to 20% 0.5 to 2 mm diameter chlorite masses, 10 to 20% 0.5 to 2 mm diameter pink feldspar grains in a fine grained red green groundmass. Trace finely disseminated pyrite throughout. Weakly foliated at 32 degrees to the core axis at 242.81.							



From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
243.47 250.07 HIGH MAG BASALT									
			61128	248.72	249.02	.30	TR	.048	.16
			61129	249.02	250.07	1.05	TR	.137	.13
243.47	248.82	Medium grained massive flow. Dark green, highly magnetic flow with a fish-net texture. Weakly foliated at upper contact at 40 degrees to the core axis. Near the upper contact, a small finger of the mafic intrusive at the contact is present. Weakly carbonatized as rare 1 to 10 mm wide calcite stringers.							
248.82	248.92	Fault zone. Dark green, highly chloritized, intensely carbonatized brecciated section centered on a clay-grit seam at 40 degrees to the core axis. Trace fine grained pyrite associated.							
248.92	250.07	Fine grained massive flow. Dark green, moderately magnetic, moderately chloritized flow. Moderate carbonatization as common hairline to 3 mm wide calcite fracture filling. Sharp lower contact at 40 degrees to the core axis. Trace finely disseminated pyrite throughout.							
250.07 273.60 BASALT									
			61130	250.07	250.67	.60	TR-1	.078	.13
			61131	250.67	251.37	.70	TR-1	.091	.13
250.07	251.37	Flow breccia. Dark green, highly chloritized, nonmagnetic breccia. Gradational lower contact. 20 to 30% fine grained wispy chloritic matrix with subrounded to rounded fragments and hyaloclastite. Weakly carbonatized as rare hairline calcite fracture filling. Trace -1% fine grained pyrite masses.	61132	251.37	252.37	1.00	TR	.120	.12
			61133	258.00	258.40	.40	TR	.052	.13
			61134	261.39	261.69	.30	TR	.030	.10
			61135	261.69	262.69	1.00	TR-1	.210	.21
			61136	262.69	263.69	1.00	TR-1	.120	.12
			61137	263.69	264.69	1.00	TR-1	.120	.12
			61138	264.69	265.69	1.00	1-2	.100	.10
			61139	265.69	266.35	.66	TR-1	.086	.13
251.37	258.24	Fine grained massive flow. Dark green, nonmagnetic flow with rare calcite amygdules noted at the upper contact. Weakly carbonatized as rare calcite plus epidote veinlets. Trace finely disseminated pyrite throughout a weakly chloritized host.							
258.24	258.28	Clay-grit seam. Fault gouge noted on a fracture at 35 degrees to the core axis. Adjacent host rock is highly chloritized. Highly carbonatized clay-grit seam. Trace sulphides.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
258.28	259.25	Medium grained massive flow. Dark green, nonmagnetic, weakly chloritized, weakly carbonatized flow with trace fine grained pyrite. Weakly foliated at upper contact at 45 degrees to the core axis.							
259.25	260.27	Mafic intrusive. Brownish grey, fine to medium grained, pervasively carbonatized, highly magnetic intrusive. Sharp upper and lower contacts at 35 and 40 degrees to the core axis respectively. 5 to 10% 0.5 to 1 mm diameter pink feldspar grains in a fine grained brownish grey groundmass. Trace fine grained pyrite.							
260.27	261.69	Medium grained massive flow. Same as described above from 158.28 to 259.25. Indistinct lower contact with a breccia in a zone of strong carbonate veining.							
261.69	266.35	Flow breccia. Dark green, nonmagnetic breccia with 10 to 15% wispy fine grained chloritic matrix and subrounded weakly to moderately chloritized fragments and hyaloclastite. Common 1 to 5 mm diameter rounded carbonate amygdules. Rare calcite fracture filling, common small local light greenish-grey silicified patches. Trace -1% fine to medium grained pyrite throughout.							
266.35	273.60	Fine grained massive flow. Dark green, generally nonmagnetic, weakly carbonatized flow. Small, local weakly magnetic patches noted. Rare calcite fracture filling. Trace finely disseminated pyrite throughout. Gradational lower contact to a magnetic flow.							
273.60 304.80 HIGH MAG BASALT									
			61140	275.45	275.85	.40	TR-1	.068	.17
			61141	275.85	276.85	1.00	TR-1	.150	.15
273.60	275.50	Fine to medium grained massive flow. Dark green, highly magnetic flow. Weakly carbonatized as rare calcite fracture filling, weakly chloritized. Trace fine grained pyrite throughout.							
275.50	278.41	Amygdaloidal flow. Dark green, moderately magnetic, fine grained massive flow with common scattered 0.5 to 1 mm diameter rounded carbonate and chloritic amygdules. Upper contact in broken core with flow breccia material noted. Gradational lower							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		contact.							
278.41	304.62	Fine to medium grained massive flow. Dark green, highly magnetic flow. Weakly to moderately chloritized rock with rare calcite and calcite plus epidote veinlets. Common chloritic fracture filling at various degrees to the core axis. Trace fine grained pyrite throughout, commonly within the chlorite fracture filling.							
300.61	300.75	A thin very fine grained mafic intrusive at 42 degrees to the core axis. Noncarbonatized, no visible sulphides.							
304.62	304.80	Glomeroporphyritic flow. Dark green, fine grained massive flow with 1 to 5 mm diameter greenish-grey glomeroporphyritic feldspar. Gradational upper contact to a fine to medium grained massive flow.							
304.80		END OF HOLE.							



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## Certificate of Analysis

Certificate No. 71724

Date: July 6, 1988

Received June 29, 1988 25 Samples of Split Core

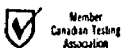
Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
47387	Nil	47403	0.03
47388	Nil	47404	0.10/0.34
47389	Nil	47405	Nil
47390	Nil	47406	Nil
47391	Nil	47407	Nil
47392	Nil	47408	0.02
47393	Nil	47409	Nil
47394	Nil	47410	0.04
47395	Nil	47411	Nil
47396	Nil		
47397	Nil		
47398	0.11		
47399	0.05		
47400	Nil		
47401	Nil		
47402	Nil		

168 ✓

Per   
G. Lebel - Manager /ns



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## Certificate of Analysis

Certificate No. 71727 Date: July 6, 1988

Received June 29, 1988 49 Samples of Split Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
				47381	Nil
				47382	Nil
				47383	Nil
				47384	Nil
				47385	Nil
				47386	Nil

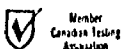
#  
88-456

168-17 L

47380 Nil

Per G. Lebel

G. Lebel - Manager /ns



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## Certificate of Analysis

Certificate No. 71728 Date: July 6, 1988

Received June 29, 1988 14 Samples of Split Core

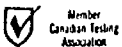
Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t
47412	Nil
47413	Nil
47414	Nil
47415	Nil
47416	0.01
47417	0.01
47418	Nil
47419	0.14/0.14
47420	0.07
47421	Nil
47422	Nil
47423	0.03
47424	Nil
47425	Nil

168 = 17 L

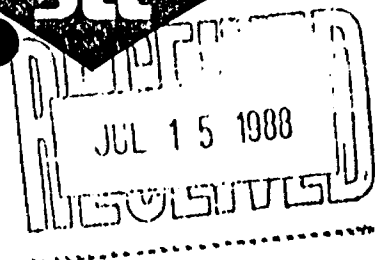
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G. Lebel - Manager /ns





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## Certificate of Analysis

Certificate No. 71793

Date: July 11, 1988

Received July 4, 1988 60 Samples of Split Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t
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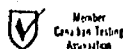
47426	0.01
47427	0.12
47428	0.05
47429	Nil
47430	0.01
47431	0.03
47432	0.03
47433	0.10

*Foster-Harley*

# 88-456

*Foster-Harley 8 samples - P.168-64*

Per *G. Lebel*  
G. Lebel - Manager /ns

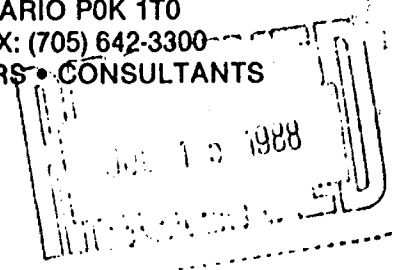




# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244 FAX: (705) 642-3300  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis



Certificate No. 71858

Date: July 14, 1988

Received July 8, 1988 18 Samples of Sawn Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

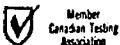
ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t
47434	0.04/0.04
47435	0.03
47436	Nil
47437	0.04
47438	Nil
47439	Nil
47440	Nil
47441	0.09
47442	1.54/1.31
Second Pulp	3.42/2.96
47443	0.07
47444	0.01
47445	0.02
47446	Nil
47447	0.03
47448	Nil
47449	Nil
47450	Nil
47451	Nil

*How 456 - Foster Harley*  
*P.168-64*

*(18) ✓*

Per *G. Lebel*  
G. Lebel - Manager /ns



ESTABLISHED 1928





# SWASTIKA LABORATORIES LIMITED

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JUL 18 1988

## Certificate of Analysis

Certificate No. 71908 Date: July 15, 1988

Received July 13, 1988 55 Samples of Split Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
		47461	0.04	47521	0.06
		47462	Nil	47522	0.02
		47463	Nil	47523	0.02
		47464	Nil/Nil	47524	Nil
		47465	Nil	47525	Nil
		47466	0.01	47526	Nil
		47467	Nil	47527	0.52/0.49
		47468	Nil	47528	0.02
		47469	0.02	47529	0.02
		47470	Nil		
		47471	Nil		
		47472	Nil		
		47473	Nil		
		47474	0.03		
		47475	Nil		
		47476	0.04/0.06		
		47477	Nil		
47454	Nil	47478	Nil		
47455	Nil	47479	Nil		
47456	Nil	47480	Nil		
47457	0.02	47481	0.04		
47458	Nil	47482	0.01		
47459	Nil				
47460	Nil				

*Foster Harley*

*Hole 457*

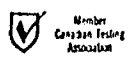
*88-457*

*88-457*

*(17) Independent P.170  
(38) Foster-Harley P.168*

*✓*

Per *G. Lebel*  
G. Lebel - Manager /ns



ESTABLISHED 1928



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
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JUL 22 1988  
SWASTIKA LABORATORIES

## Certificate of Analysis

Certificate No. 71926

Date: July 18, 1988

Received July 14, 1988 58 Samples of Sawn Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
47483	0.04	47537	Nil	47556	0.02
47484	0.15	47538	Nil	47557	0.04
47485	0.05	47539	0.10	47558	Nil
47486	0.57/0.46	47540	0.23	47559	Nil
47487	0.01	47541	Nil	47560	0.02
47488	0.15	47542	2.67/2.40	47561	0.02
47489	Nil	Second Pulp	2.54/2.47	47562	Nil
47490	0.02	47543	0.11	47563	Nil
47491	0.05	47544	0.06	47564	0.11
47492	0.04	47545	0.16	47565	Nil
47493	0.04	47546	0.60	47566	0.37
47494	0.11/0.08	47547	0.11	47567	0.88/0.91
47495	0.09	47548	0.20	47568	0.09
47530	Nil	47549	0.57	47569	0.07
47531	0.02	47550	0.62/0.63	47570	Nil
47532	0.01	47551	0.05	47571	0.10
47533	0.04	47552	0.03	47572	0.11
47534	0.05	47553	0.04	47573	0.08
47535	Nil	47554	Nil	47574	0.01
47536	0.19	47555	0.07		

*are low 457.  
58 samples Foster Harley P. 168-64*

Per G. Lebel  
G. Lebel - Manager /ns



ESTABLISHED 1928



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244 FAX: (705) 642-3300  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 71949 Date: July 20, 1988

Received July 15, 1988 60 Samples of Sawn Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario.

ATTENTION: Mr. G. Tousignant

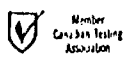
SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
				47508	Nil
				47509	Nil
				47510	Nil
				47511	0.02
				47512	0.01
				47513	0.01
				47514	0.02
				47515	0.01
				47516	0.03/0.02
				47517	0.02
				47518	0.03
				47519	0.02
				47520	0.03
		47496	0.03		
		47497	0.12		
		47498	0.07		
		47499	0.01		
		47500	0.13/0.03		
		47501	0.03		
		47502	0.04		
		47503	0.02		
		47504	Nil		
		47505	Nil		
		47506	0.01		
		47507	0.01		

*88-457 Foster Harley*

*88-457*

RECEIVED  
JUL 21 1988  
LABORATORIES

*25 samples - Foster Harley - P. 168-64*  
Per G. Lebel  
G. Lebel - Manager /ns



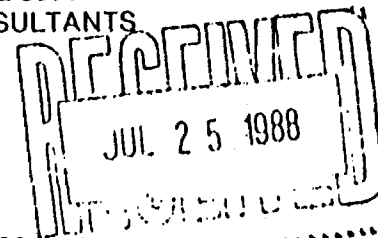
ESTABLISHED 1928



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
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ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis



Certificate No. 71990

Date: July 22, 1988

Received July 12, 1988 42 Samples of Split Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario

Attention: Mr. G. Tousignant

SAMPLE NO.	GOLD	SAMPLE NO.	GOLD
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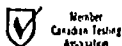
168

{ 47452  
47453

Ni] #88-456  
Ni]

Per

G. Lebel-Manager/rl



ESTABLISHED 1928



# AMERICAN BARRICK RESOURCES CORPORATION

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

## Assay Certificate

No. of Determinations: 50  
Lab ID: 89503-3x

Date: May 03, 1989  
Adopt. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
61097	0.13	61129	0.13		
98	0.12	30	0.12/0.14		
99	0.16	31	0.13		
61100	0.41/0.38	32	0.12		
01	0.17	33	0.11		
02	0.10	34	0.12		
03	0.12	35	0.21		
04	0.16	36	0.12		
05	0.64	37	0.12		
06	0.25	38	0.10		
07	0.42	39	0.13		
08	0.33	40	0.18/0.15		
09	2.42	41	0.15		
10	n.n.a/n.n				
11	0.18				
12	0.13				
13	0.17				
14	0.12				
15	0.13				
16	0.12				
17	0.12				
18	0.11				
19	0.14				
20	0.15/0.16				
21	0.14				
22	0.13				
23	0.17				
24	0.14				
25	0.16				
26	0.17				
27	0.12				
28	0.16				

*Mc. 89-484*

*Mc. 89-484*

Signed *[Signature]*

*11602 50*



**AMERICAN BANKICK RESOURCES CORPORATION**

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

**Assay Certificate**

No. of Determinations: 104  
Lab ID: 89503-2x

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

SAMPLE g/t Au

SAMPLE g/t Au

SAMPLE g/t Au

61001 0.26  
 02 0.22  
 03 0.23  
 04 0.20  
 05 0.25  
 06 0.20  
 07 0.18  
 08 0.20  
 09 0.19  
 10 0.15/0.15  
 11 0.17  
 12 0.18  
 13 0.16  
 14 0.17  
 15 0.14  
 16 0.12  
 17 0.27  
 18 0.15  
 19 0.11  
 20 0.18/0.19  
 21 0.09  
 22 0.12  
 23 0.07  
 24 0.09  
 25 0.09  
 26 0.33  
 27 0.08  
 28 0.21  
 29 0.24  
 30 0.12/0.12  
 31 0.12  
 32 0.11

C1033 0.09  
 34 0.15  
 35 0.14  
 36 0.14  
 37 0.11  
 38 0.13  
 39 0.13  
 40 0.15/0.17  
 41 0.11  
 42 0.15  
 43 0.10  
 44 0.10  
 45 0.00  
 46 0.00  
 47 0.12  
 48 0.13  
 49 0.10  
 50 0.10/0.12  
 51 0.11  
 52 0.12  
 53 0.13  
 54 0.17  
 55 0.27  
 56 0.17  
 57 0.99  
 58 1.12  
 59 0.70  
 60 0.14  
 61 0.18  
 62 0.22  
 63 0.28  
 64 0.23

81089 0.27  
 66 0.17  
 67 0.21  
 68 0.19  
 69 0.18  
 70 0.18/0.13  
 71 0.13  
 72 0.16  
 73 0.16  
 74 0.15  
 75 0.16  
 76 0.16  
 77 0.18  
 78 0.17  
 79 0.17  
 80 0.15/0.14  
 81 0.17  
 82 0.13  
 83 0.19  
 84 0.18  
 85 0.14  
 86 0.13  
 87 0.14  
 88 0.13  
 89 0.11  
 90 0.18/0.15  
 91 0.12  
 92 0.13  
 93 0.08  
 94 0.15  
 95 0.14  
 98 0.17

*Mc. 89-483*

*Mc. 89-484*

*Mc. 89-484*

Signed

*BTW*

**AMERICAN BARRICK RESOURCES CORPORATION**

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

**Assay Certificate**

No. of Determinations: 99  
Lab ID: 89503-1x

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

SAMPLE g/t Au

SAMPLE g/t Au

SAMPLE g/t Au

*Mc. 89-483*

*Mc. 89-483*

* 33963	0.33
64	0.24
65	0.32
66	0.28
67	0.30
68	0.28
69	0.30
70	0.25/0.24
71	0.22
72	0.23
73	0.19
74	0.32
75	0.25
76	0.27
77	0.26
78	0.28
79	0.22
80	0.28/0.24
81	0.25
82	0.28
83	0.20
84	0.17
85	0.31
86	0.30
87	0.23
88	0.25
89	0.27
90	0.21/0.22
91	0.18
92	0.20
93	0.33
94	0.68

33895	0.25
98	0.38
97	0.22
98	0.62
99	0.28
34000	0.21/0.21

Signed *R. McKenna*

P-160 = 48  
P-160 = 57



Established 1920

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Certificate of Analysis

Certificate No. 74976

Date April 21, 1989

Received April 20, 1989 12 Samples of Split Core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario

Attention: Mr. G. Tousignant

Mc. 89-483  
P-168

SAMPLE NO.	GOLD g/t
33951	0.57
33952	0.82/1.03
33953	0.84
33954	0.06
33955	0.09
33956	0.26
33957	1.92/1.58
33958	0.59
33959	0.24
33960	0.17/0.18
33961	0.11
33962	0.01

Per G. Lebel  
G. Lebel-Manager/rl





AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine

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

Assay Certificate

No. of Determinations: 51  
Lab ID: 89418-1x

Date: Apr. 18, 1988  
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
		33933	0.12		
		34	0.07		
		35	0.07		
		36	0.12		
33905	0.27	37	0.08		
06	0.21	38	0.05		
07	0.18	39	0.06		
08	0.21	40	0.10/0.09		
09	0.17	41	0.08		
10	0.17/0.17	42	0.11		
11	0.20	43	0.09		
12	0.14	44	0.08		
13	0.15	45	0.08		
14	0.13	46	0.08		
15	0.14	47	0.08		
16	0.11	48	0.07		
17	0.14	49	0.15		
18	0.15	50	0.15/0.15		
19	0.15				
20	0.17/0.18				
21	0.13				
22	0.17				
23	0.26				
24	0.10				
25	0.10				
26	0.10				
27	0.12				
28	0.13				
29	0.09				
30	0.09/0.10				
31	0.09				
32	0.12				

Mc. 89-482  
P-168

*A. M. [Signature]*

Signed

04 14 89 14136 8 705 567 888 AMER BARRICK INC

**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3J7

**Assay Certificate**

No. of Determinations: 77

Lab ID: 89414-1x

Date: Apr. 14, 1989

Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
# 33828	0.46	33860	0.15	33892	0.10
29	0.39	61	0.14	93	0.06
30	0.39	62	0.24	94	0.29
31	0.23	63	0.20	95	0.27
32	0.25	64	0.19	96	0.34
33	0.16	65	0.08	97	0.31
34	0.18	66	0.13	98	0.43
35	0.17	67	0.09	99	0.35
36	0.19	68	0.23	33900	0.46
37	0.23	69	0.06	01	0.86
38	0.15	70	0.08	02	0.46
39	0.29	71	0.06	03	0.70
40	0.38	72	0.05	04	0.67
41	0.34	73	0.05		
42	0.15	74	0.21		
43	0.33	75	0.07		
44	0.18	76	0.06		
45	0.31	77	0.04		
46	0.36	78	0.04		
47	0.43	79	0.17		
48	0.47	80	0.16		
49	0.65	81	0.14		
50	1.18	82	0.14		
51	0.42	83	0.15		
52	0.44	84	0.12		
53	0.40	85	0.18		
54	1.47	86	0.11		
55	1.00	87	0.15		
56	0.21	88	0.17		
57	0.16	89	0.42		
58	0.28	90	0.56		
59	0.16	91	0.10		

*Mc: 89-482  
P-168*

*A. J. [Signature]*  
Signed

**AMERICAN BARRICK RESOURCES CORPORATION**

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

**Assay Certificate**

No. of Determinations: 65  
Lab ID: 89412-1x

Date: Apr. 12, 1989  
No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
33763	0.93	33795	0.17	33827	0.23
64	0.44	96	0.17		
65	0.35	97	0.12		
66	0.35	98	0.14		
67	0.32	99	0.17		
68	0.28	33800	0.13		
69	0.31	01	0.19		
70	0.30	02	0.14		
71	0.31	03	0.16		
72	0.31	04	0.19		
73	0.29	05	0.16		
74	0.38	06	0.33		
75	0.32	07	0.10		
76	0.27	08	0.13		
77	0.25	09	0.12		
78	0.25	10	0.14		
79	0.24	11	0.14		
80	0.26	12	0.12		
81	0.22	13	0.13		
82	0.19	14	0.12		
83	0.21	15	0.09		
84	0.19	16	0.08		
85	0.21	17	0.09		
86	0.22	18	0.08		
87	0.26	19	0.08		
88	0.17	20	0.10		
89	0.18	21	0.13		
90	0.15	22	0.07		
91	0.16	23	0.19		
92	0.18	24	0.10		
93	0.17	25	0.09		
94	0.17	26	0.10		

Mc. 89-481  
P-168  
(A11).

Signed 

**AMERICAN BARRICK RESOURCES CORPORATION**

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

**Assay Certificate**

No. of Determinations: 60  
Lab ID: 89410-1x

Date: Apr. 10, 1989  
Acct. No.: Exploration

SAMPLE g/t Au

SAMPLE g/t Au

SAMPLE g/t Au

\* 33703 0.10  
04 0.08  
05 0.08  
06 0.11  
07 0.48  
08 0.10  
09 0.12  
10 0.14  
11 0.09  
12 0.12  
13 0.13  
14 0.10  
15 0.07  
16 0.10  
17 0.08  
18 0.09  
19 0.06  
20 0.08  
21 0.14  
22 0.10  
23 0.13  
24 0.12  
25 0.13  
26 0.06  
27 0.06  
28 0.06  
29 0.05  
30 0.05  
31 0.04  
32 0.07  
33 0.30  
34 0.13

33735 0.07  
36 0.06  
37 0.07  
38 0.07  
39 0.11  
40 0.07  
41 0.23  
42 0.08  
43 0.06  
44 0.09  
45 0.50  
46 0.12  
47 0.12  
48 0.15  
49 0.14  
50 0.13  
51 0.11  
52 0.37  
53 1.18  
54 0.25  
55 0.11  
56 0.15  
57 0.14  
58 0.30  
59 0.17  
60 0.45  
61 0.11  
62 0.07

Mc. 89-481

Mc. 89-481

Signed

*A. T. Robt.*



**AMERICAN BARRICK RESOURCES CORPORATION**

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

**Assay Certificate**

No. of Determinations: 23  
Lab ID: 89331-2x

Date: Mar. 31, 1989  
Acct. No.: Exploration

*Mc. 89-480*

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
33682	0.14				
83	0.04				
84	0.07				
85	0.06				
86	0.02				
87	0.07				
88	0.07				
89	0.05				
90	0.04/0.06				
91	0.10				
92	0.14				
93	0.35				
94	0.38				
95	0.07				
96	0.12				
97	0.08				
98	0.08				
99	0.09				
33700	0.08/0.08				
01	0.05				
02	0.08				

✓

Signed ATR/ly



# AMERICAN BARRICK RESOURCES CORPORATION

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

## Assay Certificate

No. of Determinations: 105  
Lab ID: 89331-1x

Date: Mar. 31, 1989  
Acct. No.: Exploration

*Mc-89-180*

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
* 33586	0.36	33618	0.05	33650	0.00/0.00
87	0.23	19	0.04	51	0.00
88	0.19	20	0.07/0.06	52	0.07
89	0.15	21	0.08	53	0.01
90	0.15	22	0.12	54	0.02
91	0.18	23	0.12	55	0.01
92	0.25	24	0.14	56	0.01
93	0.18	25	0.11	57	0.00
94	0.09	26	0.11	58	0.00
95	0.10	27	0.58	59	0.01
96	0.10	28	0.46	60	0.00/0.00
97	0.08	29	0.17	61	0.01
98	0.15	30	0.43/0.38	62	0.03
99	0.13	31	3.57	63	0.01
33600	0.16/0.17	32	0.66	64	0.01
01	0.09	33	0.08	65	0.05
02	0.09	34	0.04	66	0.01
03	0.10	35	0.15	67	0.01
04	0.09	36	0.06	68	0.02
05	0.08	37	0.01	69	0.09
06	0.10	38	0.20	70	0.03/0.04
07	0.09	39	0.01	71	0.04
08	0.10	40	0.04/0.02	72	0.14
09	0.07	41	0.01	73	0.09
10	0.10/0.11	42	0.09	74	0.10
11	0.07	43	0.01	75	0.06
12	0.08	44	0.01	76	0.13
13	0.04	45	0.00	77	0.08
14	0.11	46	0.00	78	0.04
15	0.09	47	0.00	79	0.06
16	0.09	48	0.00	80	0.08/0.10
17	0.08	49	0.01	81	0.14

*ATP/SL*

Signed

✓



# AMERICAN BARRICK RESOURCES CORPORATION

Holt-McDermott Mine

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

## Assay Certificate

No. of Determinations: 14

Lab ID: 89329-1x

Date: Mar. 28, 1989

Acct. No.: Exploration

SAMPLE	g/t Au
33577	0.13
78	0.10
79	0.13
Mc.89-180 P-168	0.11/0.10
80	0.10
81	0.15
82	0.12
83	0.17
84	0.24
85	0.22

SAMPLE g/t Au

SAMPLE g/t Au

Signed



**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 279, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 45  
Lab ID: 89325-1x

Date: Mar. 25, 1989  
Acct. No.: Exploration

SAMPLE	g/t Au	SAMPLE	g/t Au	SAMPLE	g/t Au
33573	0.07				
74	0.07				
75	0.05				
76	0.04				

168. Mc-180

Signed

*ATM*





Established 1928

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Certificate of Analysis

Certificate No. 74796

Date March 22, 1989

Received March 17, 1989 61 samples of sawn core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario  
 Attention: Mr. G. Tousignant

SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
33512	Nil	33533	0.05	33554	0.12
33513	Nil	33534	Nil	33555	Nil
33514	Nil	33535	0.01	33556	Nil
33515	0.51/0.54	33536	0.06	33557	Nil
33516	Nil	33537	0.03	33558	Nil
33517	Nil	33538	Nil	33559	Nil
33518	Nil	33539	Nil	33560	Nil
33519	Nil	33540	Nil	33561	Nil
33520	Nil	33541	0.13/0.11	33562	Nil
33521	Nil	33542	Nil	33563	Nil
33522	Nil	33543	Nil	33563	Nil
33523	0.97/0.95	33544	Nil	33564	Nil
33524	Nil	33545	Nil	33565	Nil
33525	Nil	33546	Nil	33566	Nil
33526	0.01	33547	0.01	33567	Nil
33527	Nil	33548	0.07	33568	0.01
33528	Nil	33549	Nil	33569	Nil
33529	0.01	33550	Nil	33570	Nil
33530	0.11	33551	Nil	33571	Nil/Nil
33531	0.53/0.28	33552	0.08	33572	Nil
33532	Nil	33553	0.15/0.15		

Mc. 89-479  
 P-168

Per G. Lebel  
 G. Lebel, Manager/dg





Established 1928

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

*Ken  
+  
Gary*

## Certificate of Analysis

Certificate No. 74769

Date March 16, 1989

Received March 14, 1989 73 samples of core

Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario

Attention: Mr. G. Tousignant

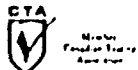
SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
33471	Nil	33495	Nil		
33472	0.04	33496	Nil		
33473	Nil	33497	Nil		
33474	Nil	33498	0.17/0.15		
33475	0.02	33499	Nil		
33476	Nil	33500	0.02		
33477	Nil	33501	Nil		
33478	0.83/0.91	33502	Nil		
33479	0.59	33503	Nil		
33480	0.13	33504	Nil		
33481	Nil	33505	0.02		
33482	Nil	33506	Nil		
33483	Nil	33507	Nil		
33484	Nil	33508	Nil/0.01		
33485	Nil	33509	Nil		
33486	Nil	33510	Nil		
33487	Nil	33511	Nil		
33488	Nil				
33489	0.01				
33490	0.03				
33491	Nil				
33492	Nil				
33493	Nil				
33494	0.01				

*MK 89-478*

*A78*

*Dupe ✓*

Per *G. Lebel*  
G. Lebel, Manager/dg





# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Certificate of Analysis

Certificate No. 74751 Date March 14, 1989  
Received March 10, 1989 46 samples of sawn core  
Submitted by American Barrick Resources Exploration, Kirkland Lake, Ontario

SAMPLE NO.	GOLD g/t	SAMPLE NO.	GOLD g/t
33425	0.05	33449	0.08
33426	0.01	33450	0.02
33427	0.01	33451	0.40
33428	0.15	33452	0.86/0.75
33429	0.19/0.31	33453	0.01
33430	0.01	33454	0.02
33431	Nil	33455	0.02
33432	Nil	33456	0.03
33433	Nil	33457	0.03
33434	0.01	33458	0.02
33435	0.01	33459	0.03
33436	Nil	33460	0.01
33437	Nil	33461	0.11/0.08
33438	Nil	33462	0.03
33439	0.01	33463	0.03
33440	Nil	33464	0.01
33441	Nil	33465	Nil
33442	0.11	33466	Nil
33443	0.08	33467	Nil
33444	0.06	33468	Nil
33445	Nil	33469	Nil
33446	5.62/5.97	33470	Nil
33447	0.15		
33448	0.02		

*Mc. 89-178*  
*P-168*

*D. J. P. ✓*

Per *G. Lebel*  
G. Lebel, Manager/dg







Ministry of  
Northern Development  
and Mines

Ontario

Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

Mining Act/Lol sur les mines

Transaction No./N° de transaction

DOCUMENT No.

W 9280 \* 00075

W 92 08 75

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Lol sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	19,955	
	Field Supervision Supervision sur le terrain		19,955
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type		
	DIAMOND DRILLING	190,801	
	ASSAING	9120	
			199,921
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>		<b>219,876</b>	

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
	DRILLER'S TRANSPORTATION	1,000	1,000
Food and Lodging Nourriture et hébergement	DRILLERS' CAMP & FOOD	8,000	8,000
Mobilization and Demobilization Mobilisation et démobilisation		2,000	2,000.00
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>11,000</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			<b>219,876</b>
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>			<b>230,876</b>
<b>Valueur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>			<b>230,876</b>

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
230,876	115,438
x 0.50 =	

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
230,876	115,438
x 0,50 =	

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as REGIONAL EXPLORATION Agent I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
<i>Gilles Tanguay</i>	Feb. 28, 1992



Ministry of Northern Development and Mines

Ontario

Assess  
LIBRARY

# Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
DOCUMENT No.
W 9280 * 00075

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) Walter Allen Foster	Client No. 133061
Address Box 376, Matheson, Ontario POK 1N0	Telephone No. (705) 273-2602
Mining Division Larder Lake	Township/Area Harker
	M or G Plan No. G-3643
Dates Work Performed From: June 15, 1988	To: April 27, 1989

**Work Performed (Check One Work Group Only)**

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	Diamond Drilling
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

ONTARIO GEOLOGICAL SURVEY  
 GIS-ASSESSMENT FILES  
 JUN 16 1992  
 RECEIVED

Total Assessment Work Claimed on the Attached Statement of Costs \$ 115,438

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
Philippon Diamond Drilling	Box 788, Rouyn-Noranda, Quebec J9X 5C7
Gary J. Baschuk	953 Government Road West, Kirkland Lake, Ontario P2N 3M7

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Feb. 28, 1992	Recorded Holder or Agent (Signature) Gilles Toussignant
--	-----------------------	--

*Regional Exploration Manager for American Barrick.*

**Certification of Work Report**

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

Name and Address of Person Certifying TOUSSIGNANT GILLES, 17 BOND W., KIRKLAND LAKE, ONT P2N 3L9		
Telephone No. Bus: 7-4941 705-567-6857	Date Feb. 28, 1992	Certified By (Signature) Gilles Toussignant

**For Office Use Only**

Total Value Cr. Recorded Reserve \$115,438	Date Recorded Feb 28, 1992	Mining Recorder <i>[Signature]</i>	Received Stamp FEB 28 1992
	Deemed Approval Date 215	Date Approved Feb 28, 1992	
	Date Notice for Amendments Sent		

# FORESTRY OPERATIONS

## LAMPLUGH TWP. M-358

NOTICE OF FORESTRY ACTIVITY  
 THIS TOWNSHIP/AREA FALLS WITHIN THE  
 ABITIBI MANAGEMENT UNIT  
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS.  
 THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE  
 CONTACTED AT: P.O. BOX 129 SWASTIKA ONT. POK-ITO  
 705-642-3222

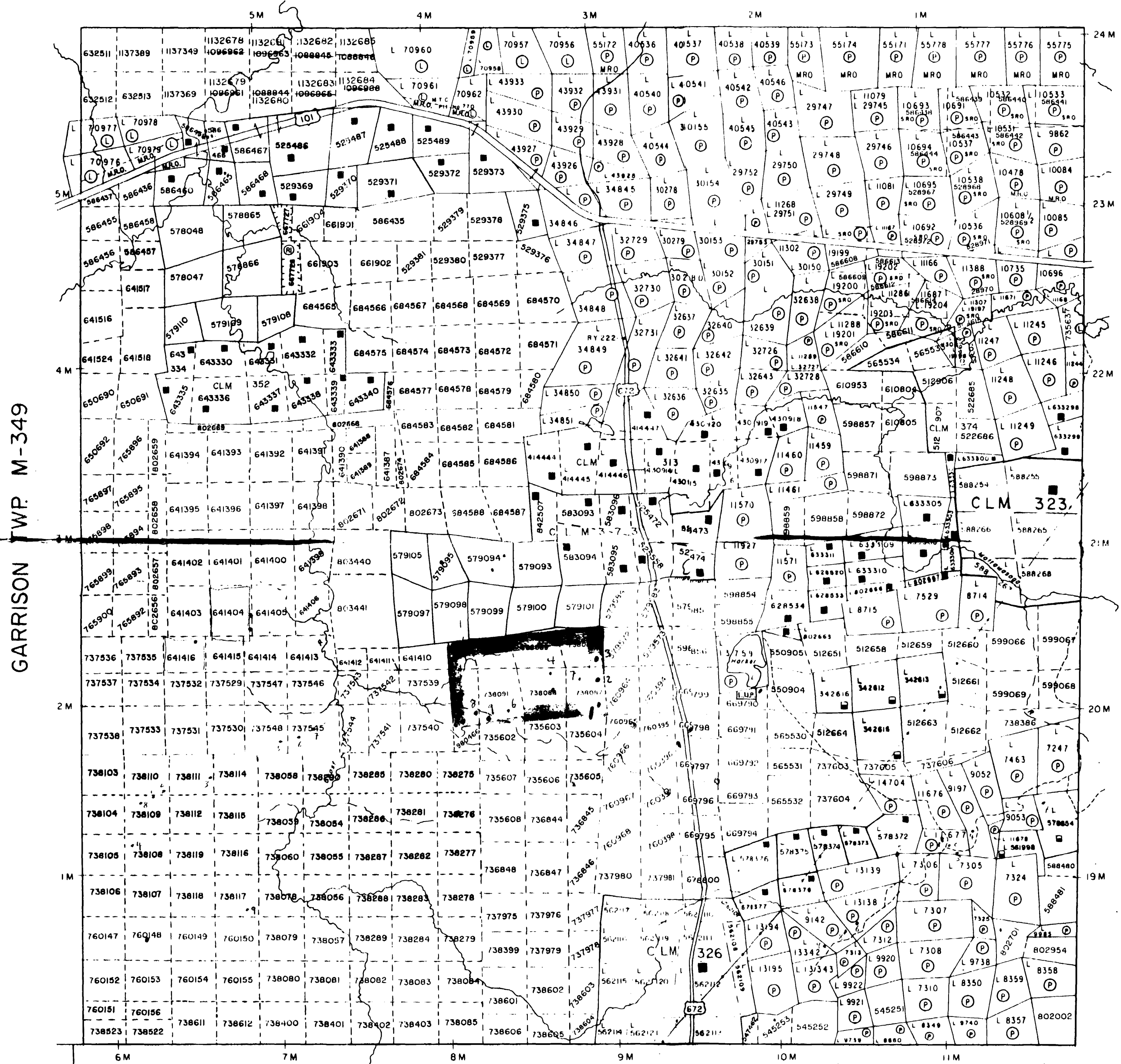
THE TOWNSHIP  
 OF

# HARKER

DISTRICT OF  
 COCHRANE

LARDER LAKE  
 MINING DIVISION

SCALE: 1-INCH 40 CHAINS



### LEGEND

- PATENTED LAND ● or (P)
- CROWN LAND SALE C.S.
- LEASES ■ or (L)
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED
- PATENTED S.R.O.
- LEASE - MINING RIGHTS ONLY

### NOTES

400' Surface Rights reservation along the shores of all lakes and rivers.

### 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 |
|---|-----------|------|-------------|------|
| (R) MINING + SURFACE RIGHTS WITHDRAWN FROM STAKING SECT. 36 ORDER W.9/86      |           |      |             |      |
| L.U.P. LAND USE PERMIT NO. 117130, PENDING APPLICATION UNDER PUBLIC LANDS ACT |           |      |             |      |

DATE OF ISSUE

OCT 15 1991

LARDER LAKE  
 MINING RECORDS OFFICE



Ministry of Natural Resources  
 Ministry of Northern Development and Mines

Date: \_\_\_\_\_ Number: **G-3643**  
 CIRCULATED FEB. 26, 1990

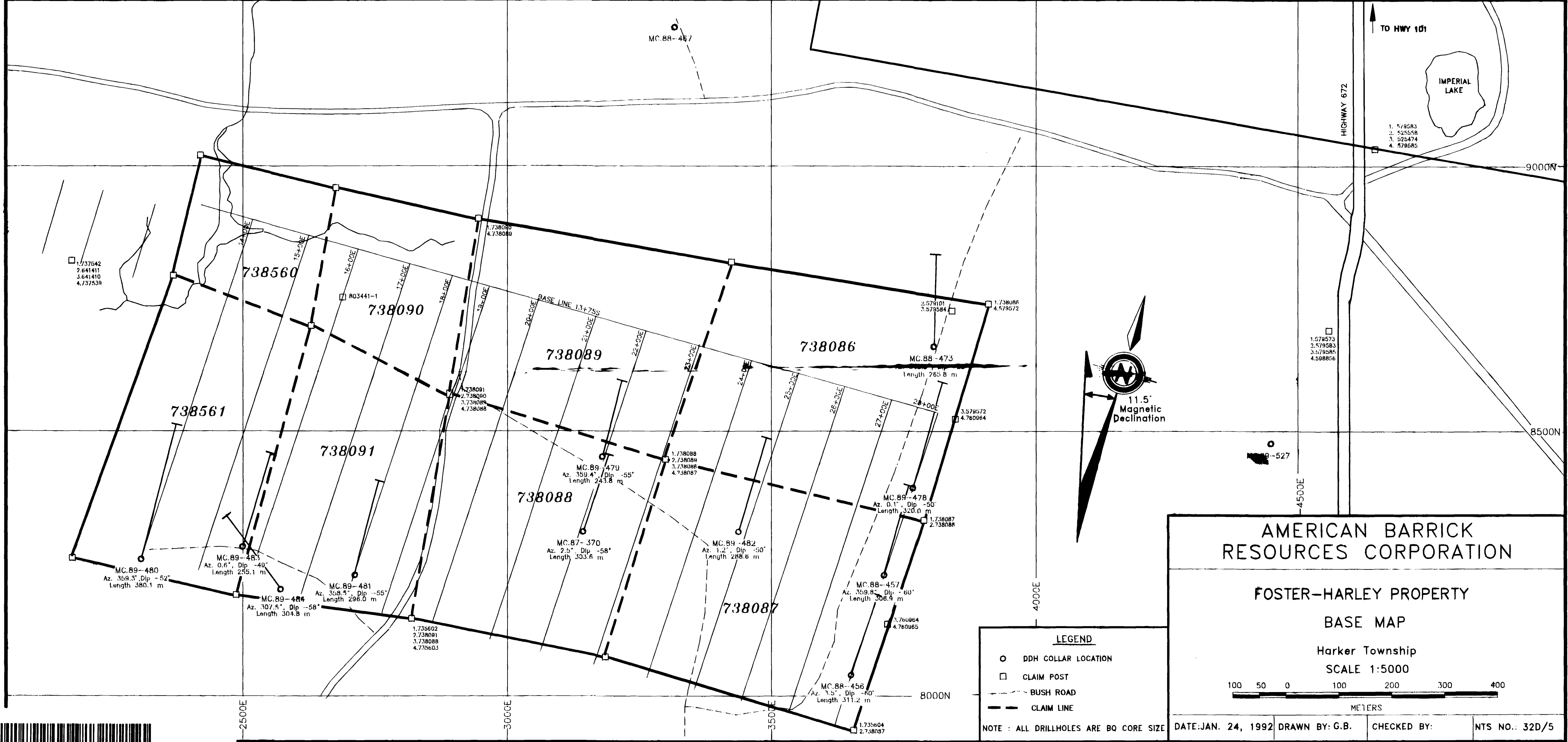
GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347

Foster Property  
 Location Map





**AMERICAN BARRICK  
RESOURCES CORPORATION**

**FOSTER-HARLEY PROPERTY**

**BASE MAP**

Harker Township  
SCALE 1:5000

100 50 0 100 200 300 400  
METERS

DATE: JAN. 24, 1992	DRAWN BY: G.B.	CHECKED BY:	NTS NO.: 32D/5
---------------------	----------------	-------------	----------------

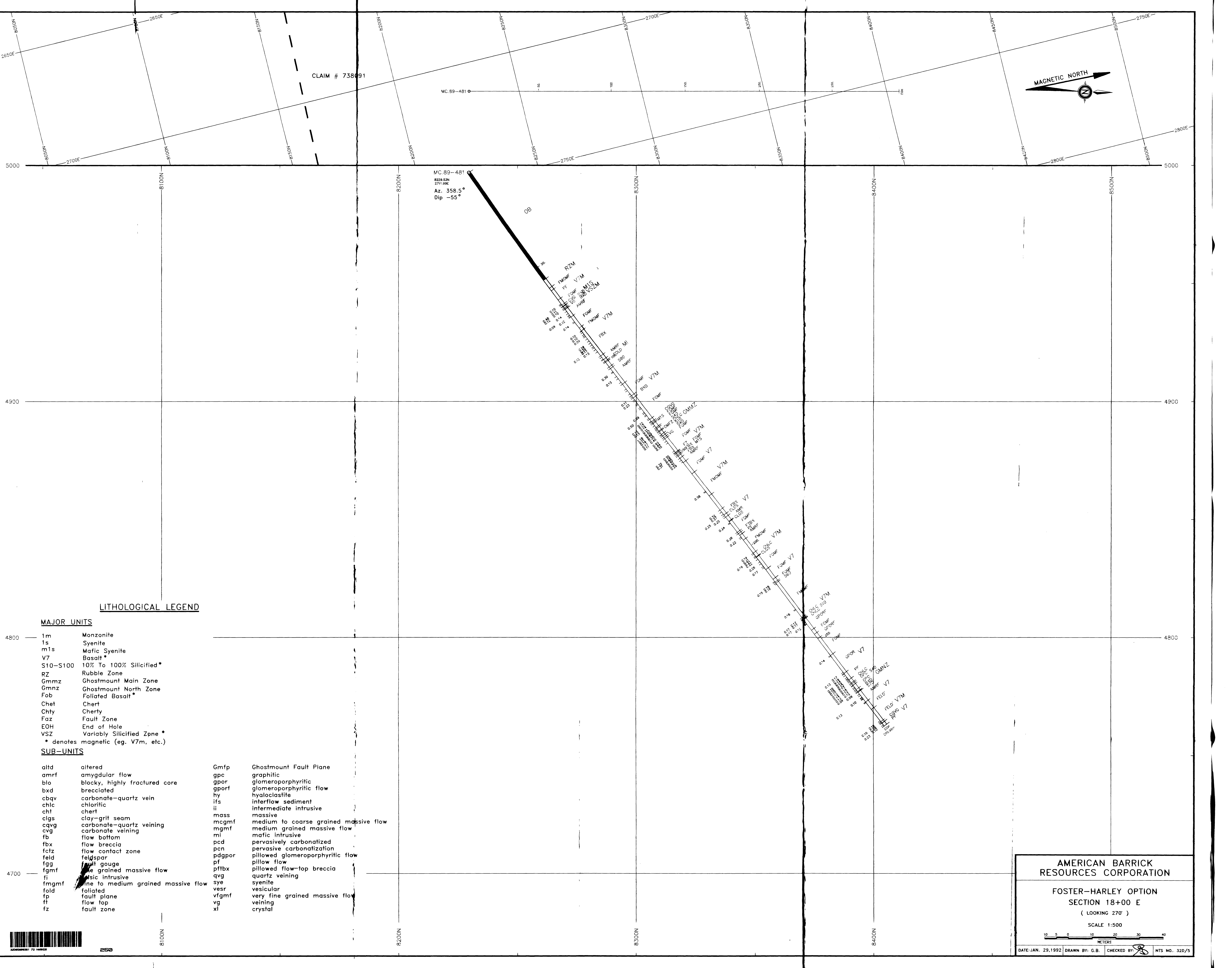












CLAIM # 738091



MC 89-481  
 8229.53N  
 2711.96E  
 Az. 358.5°  
 Dip -55°

**LITHOLOGICAL LEGEND**

- MAJOR UNITS**
- 1m Monzonite
  - 1s Syenite
  - m1s Mafic Syenite
  - V7 Basalt\*
  - S10-S100 10% To 100% Silicified\*
  - RZ Rubble Zone
  - Gmmz Ghostmount Main Zone
  - Gmnz Ghostmount North Zone
  - Fob Foliated Basalt\*
  - Chet Chert
  - Chty Cherty
  - Faz Fault Zone
  - EOH End of Hole
  - VSZ Variably Silicified Zone\*
- \* denotes magnetic (eg. V7m, etc.)

- SUB-UNITS**
- |   |   |
|---|---|
| altd altered                              | Gmfp Ghostmount Fault Plane                 |
| amrf amygdular flow                       | gpc graphitic                               |
| blo blocky, highly fractured core         | gpor glomeroporphyritic                     |
| bx blocky, highly fractured core          | gporf glomeroporphyritic flow               |
| cbqv carbonate-quartz vein                | hy hyaloclastite                            |
| chlc chloritic                            | ifs interflow sediment                      |
| cht chert                                 | ii intermediate intrusive                   |
| cigs clay-grit seam                       | mass massive                                |
| cqvg carbonate-quartz veining             | mcgmf medium to coarse grained massive flow |
| cvg carbonate veining                     | mgmf medium grained massive flow            |
| fb flow bottom                            | mi mafic intrusive                          |
| fbx flow breccia                          | pcd pervasively carbonatized                |
| fcfz flow contact zone                    | pcn pervasive carbonatization               |
| feld feldspar                             | pdgpor pillowed glomeroporphyritic flow     |
| fgg fine grained massive flow             | pf pillow flow                              |
| fgmf fine to medium grained massive flow  | pftbx pillowed flow-top breccia             |
| fi felsic intrusive                       | qvg quartz veining                          |
| fmgmf fine to medium grained massive flow | sy syenite                                  |
| fold foliated                             | vesr vesicular                              |
| fp fault plane                            | vfgmf very fine grained massive flow        |
| ft flow top                               | vg veining                                  |
| fz fault zone                             | xl crystal                                  |

**AMERICAN BARRICK  
 RESOURCES CORPORATION**

**FOSTER-HARLEY OPTION  
 SECTION 18+00 E  
 ( LOOKING 270° )**

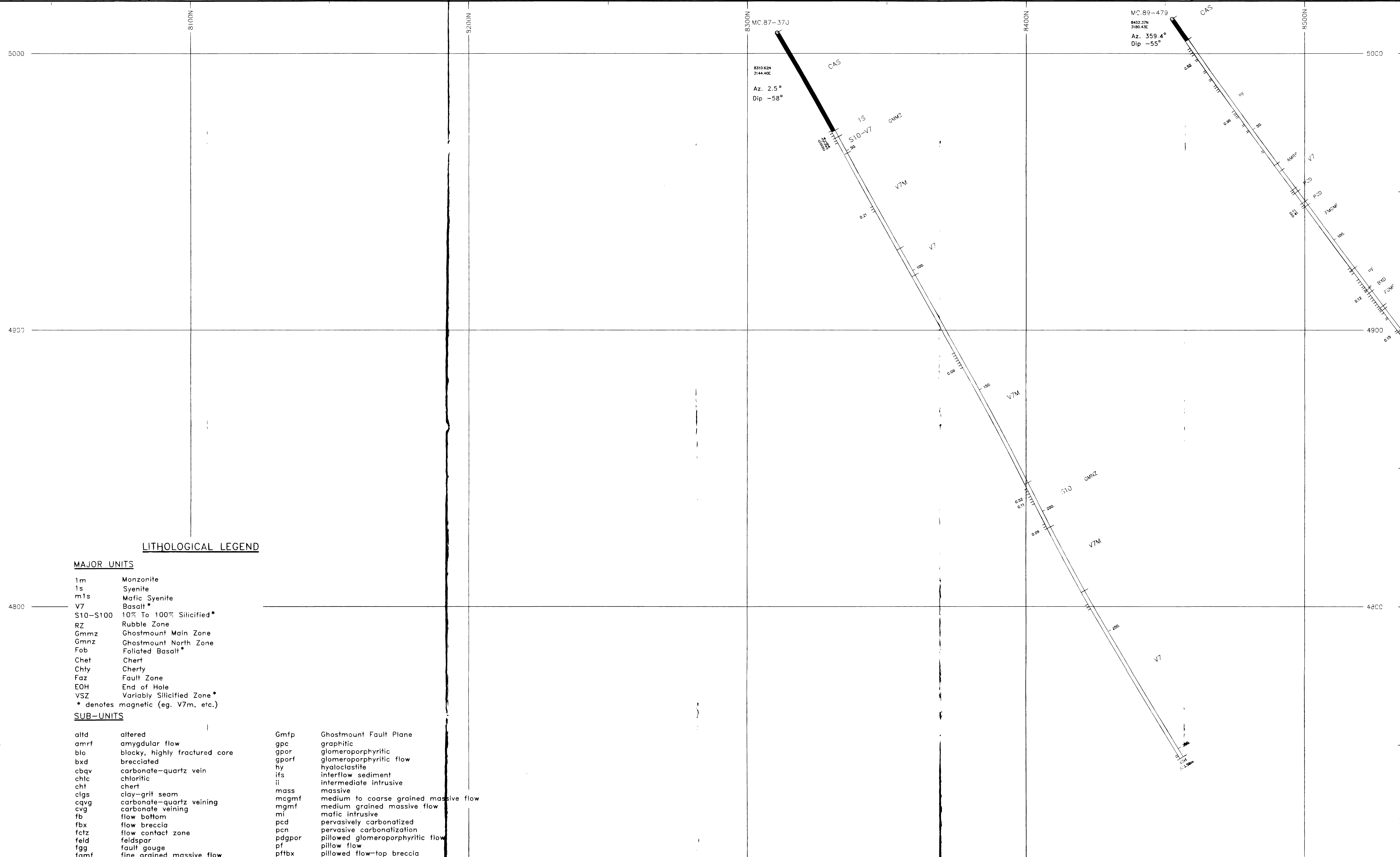
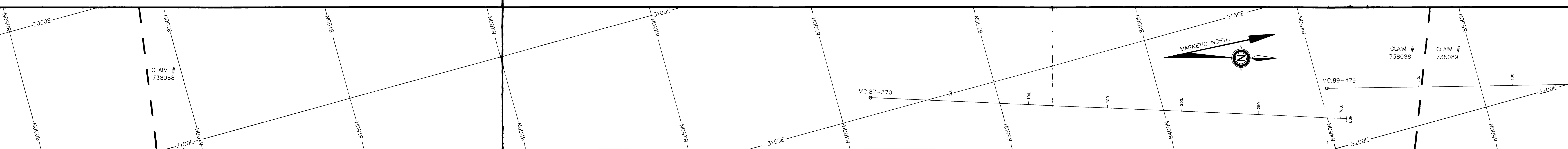
SCALE 1:500

DATE: JAN. 29, 1992 DRAWN BY: G.B. CHECKED BY: [Signature] NTS NO. 320/5



250





**LITHOLOGICAL LEGEND**

**MAJOR UNITS**

- 1m Monzonite
- 1s Syenite
- m1s Mafic Syenite
- V7 Basalt\*
- S10-S100 10% To 100% Silicified\*
- RZ Rubble Zone
- Gmmz Ghostmount Main Zone
- Gmnz Ghostmount North Zone
- Fob Foliated Basalt\*
- Chet Chert
- Chty Cherty
- Faz Fault Zone
- EOH End of Hole
- VSZ Variably Silicified Zone\*

**SUB-UNITS**

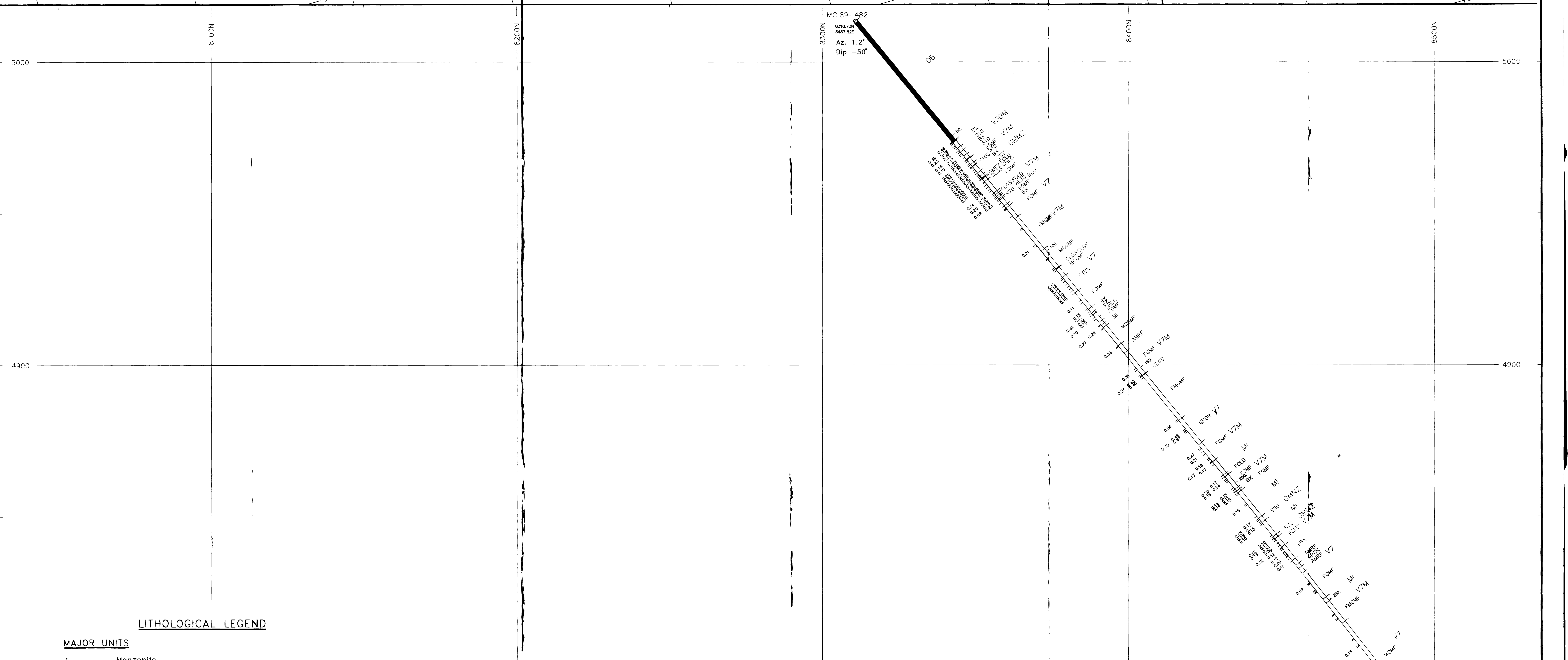
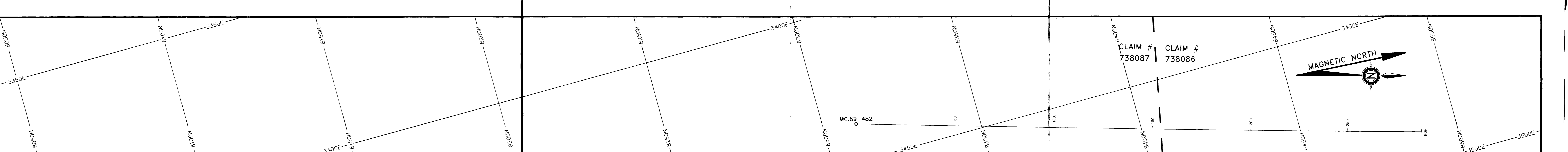
- |   |   |
|---|---|
| altd altered                              | Gmfp Ghostmount Fault Plane                 |
| amrf amygdular flow                       | gpc graphitic                               |
| blo blocky, highly fractured core         | gpor glomeroporphyritic                     |
| bxo brecciated                            | gporf glomeroporphyritic flow               |
| cbqv carbonate-quartz vein                | hy hyaloclastite                            |
| chlc chloritic                            | ifs interflow sediment                      |
| cht chert                                 | ii intermediate intrusive                   |
| clgs clay-grit seam                       | mass massive                                |
| cqvg carbonate-quartz veining             | mcgmf medium to coarse grained massive flow |
| cvq carbonate veining                     | mgmf medium grained massive flow            |
| fb flow bottom                            | mi mafic intrusive                          |
| fbx flow breccia                          | pcd pervasively carbonatized                |
| fcfz flow contact zone                    | pcn pervasive carbonatization               |
| feld feldspar                             | pdgpor pillowed glomeroporphyritic flow     |
| fga fault gouge                           | pf pillow flow                              |
| fgmf fine grained massive flow            | pfbbx pillowed flow-top breccia             |
| fi felsic intrusive                       | qvg quartz veining                          |
| fmgmf fine to medium grained massive flow | sy syenite                                  |
| fold foliated                             | vesr vesicular                              |
| fp fault plane                            | vfgmf very fine grained massive flow        |
| ft flow top                               | vg veining                                  |
| fz fault zone                             | xl crystal                                  |

**AMERICAN BARRICK  
RESOURCES CORPORATION**

**FOSTER-HARLEY OPTION  
SECTION 22+00 E  
( LOOKING 270° )**

SCALE 1:500

DATE: JAN. 29, 1992 DRAWN BY: G.B. CHECKED BY: [Signature] NTS NO. 320/5



**LITHOLOGICAL LEGEND**

**MAJOR UNITS**

- 1m Monzonite
  - 1s Syenite
  - m1s Mafic Syenite
  - V7 Basalt\*
  - S10-S100 10% To 100% Silicified\*
  - RZ Rubble Zone
  - Gmmz Ghostmount Main Zone
  - Gmnz Ghostmount North Zone
  - Fob Foliated Basalt\*
  - Chet Chert
  - Chty Cherty
  - Faz Fault Zone
  - EDH End of Hole
  - VSZ Variably Silicified Zone\*
- \* denotes magnetic (eg. V7m, etc.)

**SUB-UNITS**

- |   |   |
|---|---|
| altd altered                              | Gmfp Ghostmount Fault Plane                 |
| amrf amygdular flow                       | gpc graphitic                               |
| blo blocky, highly fractured core         | gporf glomeroporphyritic                    |
| bxo brecciated                            | gporf glomeroporphyritic                    |
| cbqv carbonate-quartz vein                | hy hyaloclastite                            |
| chlc chloritic                            | ifs interflow sediment                      |
| cht chert                                 | ii intermediate intrusive                   |
| clgs clay-grit seam                       | mass massive                                |
| cqvq carbonate-quartz veining             | mcgmf medium to coarse grained massive flow |
| cvq carbonate veining                     | mgmf medium grained massive flow            |
| fb flow bottom                            | mi mafic intrusive                          |
| fbx flow breccia                          | pcd pervasively carbonatized                |
| ftz flow contact zone                     | pcn pervasive carbonatization               |
| feld feldspar                             | pdgpor pillowed glomeroporphyritic flow     |
| fgg fault gouge                           | pf pillow flow                              |
| fgmf fine grained massive flow            | pfbbx pillowed flow-top breccia             |
| fi felsic intrusive                       | qvq quartz veining                          |
| fmgmf fine to medium grained massive flow | sy syenite                                  |
| fold foliated                             | vesr vesicular                              |
| fp fault plane                            | vfgmf very fine grained massive flow        |
| ft flow top                               | vg veining                                  |
| fz fault zone                             | xl crystal                                  |

**AMERICAN BARRICK  
RESOURCES CORPORATION**

**FOSTER-HARLEY OPTION  
SECTION 25+00 E  
(LOOKING 270°)**

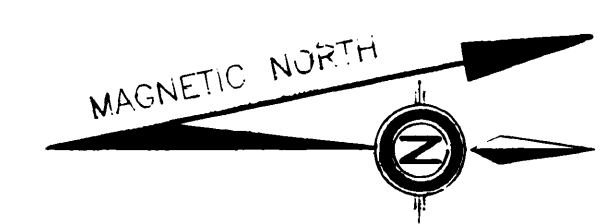
SCALE 1:500

DATE: JAN. 29, 1992 DRAWN BY: G.B. CHECKED BY: [Signature] NTS NO. 320/5



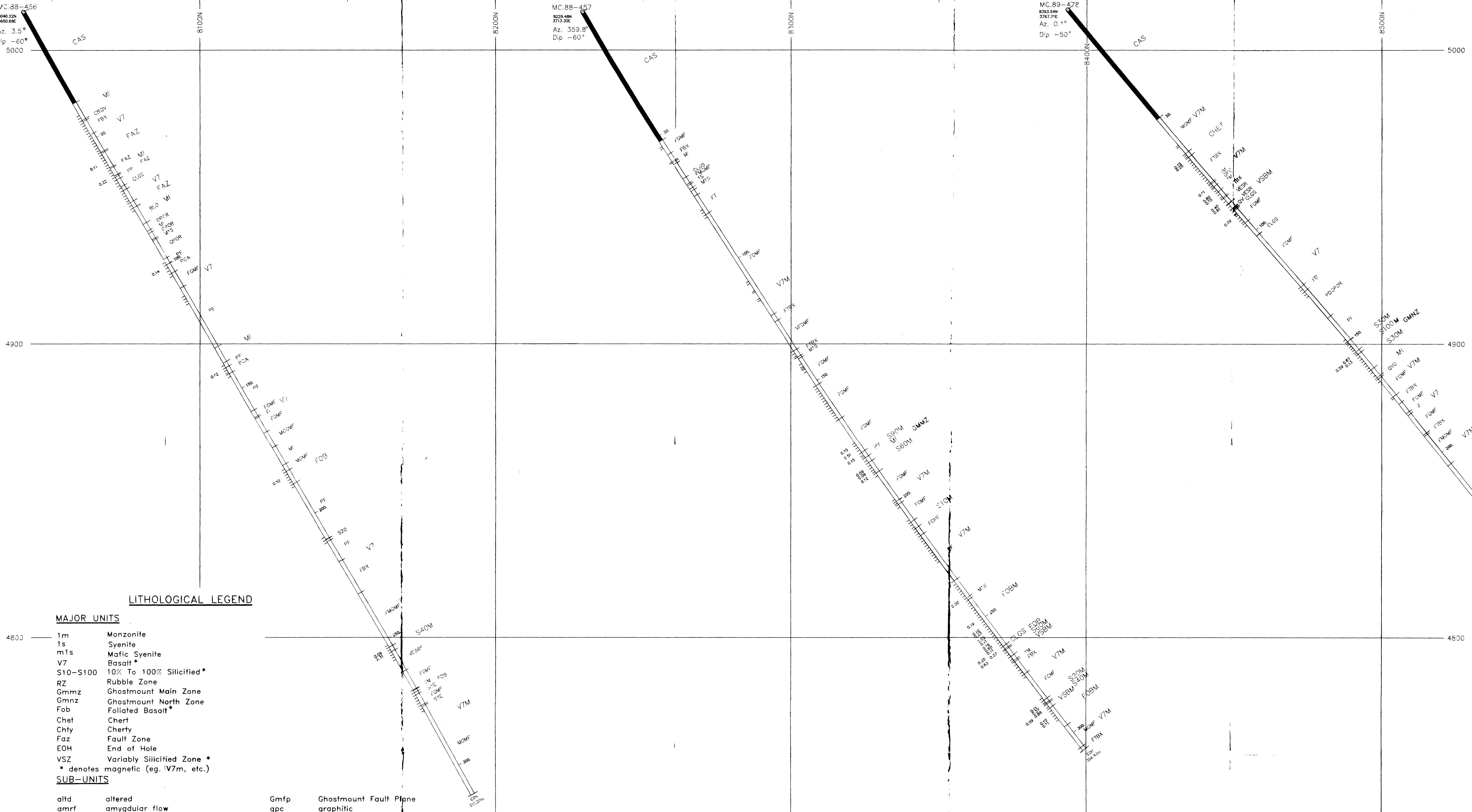






CLAIM # 738087

CLAIM # 738036



**LITHOLOGICAL LEGEND**

**MAJOR UNITS**

- 1m Monzonite
- 1s Syenite
- m1s Mafic Syenite
- V7 Basalt \*
- S10-S100 10% To 100% Silicified \*
- RZ Rubble Zone
- Gmmz Ghostmount Main Zone
- Gmhz Ghostmount North Zone
- Fob Foliated Basalt \*
- Chet Chert
- Chly Cherty
- Faz Fault Zone
- EOH End of Hole
- VSZ Variably Silicified Zone \*
- \* denotes magnetic (eg. V7m, etc.)

**SUB-UNITS**

- |   |   |
|---|---|
| altd altered                              | Gmfp Ghostmount Fault Plane                 |
| amrf amygdular flow                       | gpc graphitic                               |
| blo blocky, highly fractured core         | gpor glomeroporphyritic                     |
| bxdb brecciated                           | gporf glomeroporphyritic flow               |
| cbqv carbonate-quartz vein                | hy hyaloclastite                            |
| chlc chloritic                            | ifs interflow sediment                      |
| cht chert                                 | ii intermediate intrusive                   |
| clgs clay-grit seam                       | mass massive                                |
| cavq carbonate-quartz veining             | mcgmf medium to coarse grained massive flow |
| cvq carbonate veining                     | mgmf medium grained massive flow            |
| fb flow bottom                            | mi mafic intrusive                          |
| fbx flow breccia                          | pcd pervasively carbonatized                |
| fcz flow contact zone                     | pcn pervasive carbonatization               |
| feld feldspar                             | pdgpor pillowed glomeroporphyritic flow     |
| fgg fault gouge                           | pf pillow flow                              |
| fgmf fine grained massive flow            | pfbbx pillowed flow-top breccia             |
| fi felsic intrusive                       | qvq quartz veining                          |
| fmgmf fine to medium grained massive flow | sy syenite                                  |
| fold foliated                             | vesr vesicular                              |
| fp fault plane                            | vfgmf very fine grained massive flow        |
| ft flow top                               | vg veining                                  |
| fz fault zone                             | xl crystal                                  |

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FOSTER-HARLEY OPTION  
SECTION 28+00 E  
( LOOKING 270° )

SCALE 1:500

