

DIAMOND DRILLING



32D125W0078 38 HARKER

010

TOWNSHIP: Harker

REPORT No.: 38

WORK PERFORMED BY: Barrick Resources Corp.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 522685	MC-83-37	137.46m	Aug/83	(1)
L 512906	MC-83-38	106.98m	Aug/83	(1)
	MC-83-39	91.74m	Aug/83	(1)

NOTES: (1) #450-84

TIE LINE NORTH

610804

512906

522685

10W

12W

83-37

14W

83-39

83-38

16W

610805

512907

522686

598073



METRES

DIAMOND DRILL RECORD

NAME OF PROPERTY Lenora
 HOLE NO. Mc-83-37 LENGTH 137.46 meters
 LOCATION _____
 LATITUDE 10 + 00 W DEPARTURE 0 + 69 S
 ELEVATION _____ AZIMUTH 344° DIP -65°
 STARTED August 5, 1983 FINISHED August 11, 1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°				
137.46	-57°				

HOLE NO. Mc-83-37 SHEET NO. 1 OF 5
 REMARKS BQ Core
Split for assay.
 LOGGED BY A.W. WORKMAN

A. Workman

FOOTAGE		DESCRIPTION
FROM	TO	
0	15.85	<u>OVERBURDEN</u>
15.85	32.65	<u>BASALT</u> Dark green, fine to medium grained, locally coarse grained, locally silicified, often associated with brecciation. Weakly to moderately tectonically brecciated locally. Weakly to moderately fractured - breaks are strongly chloritized and often hematized. Pyrite content averages 0-1% and does not seem to increase with brecciation or silicification. Up to 1% chalcopryrite is associated with quartz-carbonate veining locally (eg. 24.85-24.89 m). These veins may carry high pyrite contents - up to 40%. 18.02 - 20.40: weakly to moderately silicified. 22.82 - 23.93: weakly brecciated, moderately silicified. 23.82 - 26.20: weakly to moderately silicified; quartz-carbonate vein at 24.85-24.89 m carries 40% pyrite, 1% chalcopryrite. 28.90: carbonated shear at 40-45° to core axis carries 1% chalcopryrite. 30.20 - 30.35: weakly brecciated, moderately silicified.
32.65	67.25	<u>DIORITE</u> Medium to dark green, generally medium to coarse grained with occasional fine grained phases. A zone of ground core at upper contact is thought to be the chilled margin. Some variation in texture is noted below 59 meters which may reflect proximity to the lower contact.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		32.65 - 42.20: fine to medium grained with several zones carrying pink feldspar phenocrysts up to 3mm - often saussauritized.
		42.20 - 45.20: medium to coarse grained, occasionally very coarse grained in 10cm sections with crystals up to 5mm. A few quartz veins are noted at 60-70° to core axis - adjoining rock may be highly pyritized over 5cm border zones.
		44.55 - 45.05: zone averages 2-3% pyrite.
		45.20 - 46.15: medium grained.
		46.15 - 49.20: medium to coarse grained; amphibole crystals up to 1.1cm at 47.10 m.
		49.20 - 58.70: medium grained, occasional coarse grained phases; fracture surfaces are well plated with thin foils of pyrite - rock carries an average 0-1%.
		58.70 - 59.10: fine, locally medium grained.
		59.10 - 59.68: carbonate filled breccia zone, no pyrite observed; fractures in lower half are strongly hematized.
		59.68 - 66.90: fine to medium grained; rapid gradational textural changes.
		64.07 - 64.18; 65.01 - 65.08: fine grained, dark green <u>intrusives</u> - well chilled contacts at 40° to core axis.
		66.90 - 67.25: sheared, silicified, epidotized zone at edge of intrusive; carries 5% pyrite, contact may be at 80-85° to core axis.
67.25	125.50	<u>BASALT</u> Dark green, locally grey-green, fine grained to aphanitic, often flow brecciated with angular to sub-rounded fragments up to 3cm. Moderately to weakly chloritized. Fragments are usually harder than the matrix but of the same composition. The uppermost 1 m carries occasional highly lenticular fragments up to 1cm in size - tuff? 67.25 - 72.50: flow-top breccia. 73.15 - 74.50: strongly fractured due to shrinkage - quartz-epidote filling; very fine grained flow; rare fragments are strongly epidotized.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		74.50 - 79.62: occasional flow breccia fragments; 1-2% pyrite in fractures and rarely rimming fragments; moderately silicified at 75.60-76.00 m.
		79.62 - 80.35: carries fine, 1-3mm clasts of varying lithologies - possible base of flow - strongly chloritized fragments.
		81.65 - 82.03: weakly brecciated, moderately silicified.
		82.03 - 82.63: chloritized, moderately brecciated locally.
		82.63 - 83.25: moderately to strongly silicified; weakly to moderately brecciated - fragments exhibit 1mm reaction rims.
		83.25 - 83.30: hyaloclastite? - flow top?
		83.30 - 84.90: moderately to strongly brecciated, fragments are larger and less distinct (remelting) with depth and possibly more rounded. Sub-rounded fragments up to 10cm are noted at 84.50 m - flow breccia.
		84.90 - 85.85: sub-angular fragments up to 2cm - well defined - lower temperature flow.
		85.85 - 86.95: three narrow zones of fine grained dark green rock incorporated into flow - possibly sediments.
		88.93 - 89.55: strongly brecciated - pale green angular fragments in dark green matrix - weak silicification locally (eg. 89.30-89.55 m).
		89.55 - 91.34: dark green, abundant tensional fractures at top - weakly brecciated, locally silicified (eg. 89.55 - 90.10 m). Strongly silicified at 90.80-91.34 m.
		91.34 - 91.94: irregularly silicified - nil to strong locally; well brecciated throughout - carries 5-6% pyrite mostly concentrated in fractures - average concentration 3-5%.
		91.94 - 92.54: moderately to strongly brecciated, irregularly silicified; abundant carbonate veining with up to 6 associated pyrite.
		92.54 - 93.60: fine to medium grained, very weakly brecciated massive flow, 1-3% pyrite.
		93.60: flow top.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		93.60 - 93.83: strongly amygdaloidal - relic vesicules up to 1cm are well rounded becoming smaller with depth - TOPS UP.
		93.83 -107.05: locally tectonically brecciated, weakly to moderately fractured, fine grained becoming medium with depth. Carbonate vein at 100.54-100.80 m - no sulphide.
		107.05-108.30: moderately brecciated (locally strong), non-silicified; carries increased pyrite from 107.10-107.65 m at 2-3%, brecciation is tectonic.
		108.30-109.65: moderately to strongly brecciated tectonically, non-silicified, becoming very dark grey-green.
		111.30-111.50: white carbonate vein.
		111.77-119.92: flow breccia - fragments angular to well rounded. Largest fragments are well rounded and up to 4cm in size. Non-silicified; up to 7% pyrite concentrated around fragments but overall average is 3-5%. Most pyrite at 112.00-112.80 m. Some dilatant zones strongly epidotized. Possible sediments (tuff?) at 114.30-114.48 m.
		119.92-120.50: massive, medium green, non-brecciated zone - strongly fractured.
		120.50-122.63: strongly brecciated, weakly silicified locally, 1-3% pyrite, very finely disseminated.
		125.43-125.50: green clay filled shear at 45° to core axis - FAULT.
125.50	127.10	<u>FAULT ZONE</u> Strongly sheared, strongly chloritized zone. Rock type indefinite - may be sediments.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
127.10	137.46	<p><u>SEDIMENTS</u></p> <p>Dark green with white bands and lensitic laminations; fine to very fine grained. Sheared parallel to bedding at upper contact. Zone near top of unit is brecciated moderately and the matrix to the breccia fragments is moderately to strongly silicified. No pervasive silicification is noted. Selective silicification of certain laminations highlights the bedding. Individual sets of laminations are strongly brecciated below 136.49 m and set in a strongly chloritized sedimentary matrix.</p> <p>127.10-132.20: brecciated, silicified matrix with very little carbonate, 0-1% pyrite.</p> <p>132.20-137.46: moderately well laminated, weakly sheared - laminations at 135.40 m are at 45-50° to core axis.</p> <p>137.46 meters END OF HOLE</p> <p> CASING PULLED</p>

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DIAMOND DRILL RECORD

NAME OF PROPERTY LENORA
 HOLE NO. Mc-83-38 LENGTH 106.98 meters
 LOCATION _____
 LATITUDE 14+00 W DEPARTURE 0+35 S
 ELEVATION _____ AZIMUTH 344° DIP -45°
 STARTED August 11, 1983 FINISHED August 23, 1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°				
106.90	-45°				

HOLE NO. Mc-83-38 SHEET NO. 1 OF 5

REMARKS BQ CORE

Core split for analysis.

LOGGED BY A.W. Workman

A.W. Workman

FOOTAGE		DESCRIPTION
FROM	TO	
0	25.87	<u>OVERBURDEN</u> Very bouldery - silicified volcanics similar to parts of bedrock.
25.87	68.00	<u>PILLOWED BASALT</u> Dark green to grey-green, fine to very fine grained, moderately fractured, with abundant 1-3cm thick pillow selvages. Pillow rims are darker green in colour and are siliceous, containing 10-20% free quartz. They are strongly epidotized. Rims and inter-pillow material carry higher pyrite contents - up to 20% locally, mostly as aggregates of crystals in clots up to 1cm. Pillow interiors carry 1% pyrite in lmm blebs. Pillows are often separated by zones of semi-massive flow. Carbonate is found as calcite only in microfractures and occasionally in inter-pillow debris. 27.32 - 27.88: concentration of selvages from 4-6 pillows; 2-3% pyrite. 27.88 - 30.96: dominantly massive flow. 30.50 - 30.60: 20% pyrite along a seam cutting core axis at 40-45° to core axis, actual increased pyrite is carried in a pod-like zone - may be part of flow-top. 30.96 - 33.40: pillowed zone - some hyaloclastite between pillow rims. 33.40 - 33.80: tectonic breccia, spotty silicification, 0-1% pyrite. 35.02 - 35.12: flow-top breccia - pale to medium green; relic vesicles up to 1mm - angular breccia fragments up to 1.5cm can be reassembled - 20-30% pyrite along some chloritized seams as 1-3mm cubes. 36.04 - 37.00: breccia - penetrative alteration (silicification and chloritization) rims fragments - possible flow-top breccia. 37.00 - 38.60: weakly silicified massive flow. 38.60 - 41.00: pillowed sequence - selvages cut off at 39.17 by an upper part of same flow.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		41.00 - 42.64: generally massive flow - minor small breccia zones locally - radiating from fracture systems - minor related silicification locally - no pyrite association.
		42.64 - 44.93: pillowed sequence - moderately to strongly silicified with 1-2mm variolites locally (eg. 43.10) anomalous number of pillow selvages between 44.50-44.90 with 5-10% pyrite in selvages.
		44.93 - 45.98: generally non-silicified to very weakly silicified; non-brecciated massive flow.
		45.98 - 47.39: pillowed, weakly silicified locally.
		47.39 - 50.90: massive - minor penetrative silicification locally on a cm scale - associated with narrow fracture zones.
		50.90 - 57.38: pillowed - sample of inter-pillow epidotized and pyritized material removed for assay (51.20-51.30). Coarsely crystalline calcite in voids. Pillows have spotty silicification locally associated with 5-10cm breccia zones - no apparent increased pyrite except in selvages (3-5% above 1% average). Rock is strongly fractured and locally sheared - possible basal flow, lower 1.0 m is less pillowed.
		57.38 - 58.98: brecciated - strongly epidotized, moderately to strongly silicified.
		59.88 - 60.03: massive, weakly brecciated flow, fine grained to very fine grained.
		60.03 - 62.83: pillowed - similar to 50.90-57.38 m - pillow centres are weakly brecciated, silicification is irregular.
		62.83 - 66.70: massive, moderately brecciated locally, minor moderate silicification locally - white calcite locally in dilatant zones.
		66.70 - 67.20: brecciated - strongly chloritized - near flow margin (base)?
		67.20 - 68.00: epidotized, brecciated, strongly hematized fractures - basal flow?

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
68.00	86.96	<p><u>DIORITE</u></p> <p>Dark green, fine to medium grained, mostly carrying 5% strongly hematized, weakly pyritized xenoliths of moderately silicified volcanic rock. Xenoliths are usually rounded. Hematite seems to be bladed in the fragments. Fragments average 1cm in size but 2cm size is common. Intrusive is weakly to moderately fractured. Breaks are chloritized and hematized with minor epidote. Feldspar crystals are weakly saussuritized. Prismatic hornblende crystals up to 1cm are noted locally. A central zone (73.18-73.70 m), is porphyritic with 1-5cm fractured feldspar phenocrysts - probably were euhedral and zoned. Abundant carbonate stringers cut core at varying angles and carry a trace of chalcopyrite. Pyrite content averages 1%.</p> <p>68.00 - 69.00: fine to medium grained, up to 2% pyrite.</p> <p>69.00 - 73.18: several well foliated (chloritized mica), bands up to 10cm - up to 5% pyrite locally in less than 10cm zones; abundant xenoliths.</p> <p>73.18 - 73.70: porphyritic zone - 1cm hornblende crystals.</p> <p>73.70 - 74.95: medium grained.</p> <p>74.95 - 77.10: fine grained, abundant carbonate stringers, trace chalcopyrite.</p> <p>77.10 - 77.52: mylonitic, intensely chloritized, and brecciated fault zone - carbonate in dilatant zones. Green clay seam at 77.44 - 77.48 m.</p> <p>79.12 - 79.50: carbonate("vein")-filled dilatant zone, carries 5-10% green breccia fragments of local origin.</p> <p>81.70 - 86.60: massive, weakly fractured, medium grained; mm scale mottling - texture due to segregation of mafic and felsic components(?). Moderately chloritized. Major fractures are strongly hematized.</p> <p>86.60 - 86.76: moderate to strongly fractured - white carbonate filling.</p> <p>86.76 - 86.96: weak to moderate brecciation - rock is finer grained - fragments up to 2cm, no subsequent movement to tension (pull-apart) - shrinkage fractures.</p>

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FOOTAGE		DESCRIPTION
FROM	TO	
86.96	106.98	<p><u>SEDIMENTS</u></p> <p>Dark green to medium green, fine to very fine grained, strongly fractured with quartz and carbonate in fractures. Strongly hematized locally, especially 86.96-87.40 m carrying 5-10% hematite. Near upper contact, network fracturing and brecciation is strong but decreases with depth. Some dilatant zones are white carbonate "vein" filled. Carbonate supports abundant angular fragments of which some are volcanic. Approximately 5% are of silicified blue-grey micro-breccia. Silicification of the sediments is variable and does not appear to be entirely breccia related. Pyrite contents are up to 7% - associated with strong hematization. Sulphide present as a very fine grained dissemination.</p> <p>88.60 - 89.19: white carbonate filled breccia zone - some fragments are well laminated.</p> <p>89.00 - 91.05: strongly fractured, brecciated at top, silicification is limited to breccia fragments; zone carries 3-5% pyrite, up to 7% locally with trace of chalcopyrite. Non-silicified rock is strongly chloritized. Pink "syenitic" zone at 89.42-89.52 m - cherty sediment?</p> <p>91.05 - 91.83: FAULT ZONE - chloritized breccia, mylonitic.</p> <p>91.83 - 92.40: breccia - minor silicification locally restricted to fragments; 2-4% pyrite.</p> <p>92.40 - 92.80: weakly brecciated - several quartz-carbonate stringers sub-parallel to core axis.</p> <p>92.80 - 93.45: moderately to strongly brecciated, non-silicified, strongly fractured, moderately chloritized; strongly laminated locally (93.22 - 45° to core axis), with tuffaceous appearance.</p> <p>93.45 - 93.52: mylonitic seam - small bedding fault.</p> <p>93.52 - 95.04: well laminated - contains several zones of what appears to be chloritized vitric tuff - fragments up to 1mm. Zone from 93.97-94.06 may contain 1-5mm pumice shards in an intensely chloritized groundmass.</p> <p>95.04 - 96.50: well brecciated, moderate silicification of certain laminations, very minor carbonatization. Below 95.61, silicification of breccia is more pervasive although strongly fractured rock is chloritized.</p>

DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		Zone carries 2-4% pyrite and greater than 10% hematite. Some 1mm laminations appear to be up to 50% hematite. (95.10 m laminations at 45-50° to core axis).
96.50	98.15	moderately to strongly brecciated, abundant hematite, 10-20%, with 1-2% pyrite.
98.15	99.28	weak to moderate brecciation.
99.28	100.40	weak to moderate brecciation, on a very fine mm scale; strong selective silicification of particular laminations. Brecciation is along the laminations and the original bedding is often preserved. Hematite content is up to 10-20%, which produces a purple-grey colour. Contains higher pyrite contents, 5-7%.
100.00		laminations at 60-65° to core axis.
100.40	106.98	weakly brecciated, well laminated, and parted parallel to bedding. Weakly hematized. Below 106.45, major fractures are strongly hematized. Rock is less well laminated below 105.30. Carbonate fills most fracture systems. Zone carries up to 2% pyrite. Minor silicification is related to individual sets of laminations. Laminations are highly convoluted locally (103.00 m) possibly due to soft sediment deformation.
102.65		laminations at 65-70° to core axis.
104.60		laminations at 60° to core axis.
104.20	104.50	weak to moderate hematization.
106.98		END OF HOLE
		CASING PULLED

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DIAMOND DRILL RECORD

NAME OF PROPERTY Lenora
 HOLE NO. Mc-83-39 LENGTH 91.74 meters
 LOCATION _____
 LATITUDE 12 + 75 W DEPARTURE 0 + 25 S
 ELEVATION _____ AZIMUTH 344° DIP -45°
 STARTED August 26, 1983 FINISHED August 29, 1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°				
91.44	-49°				

HOLE NO. Mc-83-39 SHEET NO. 1 OF 6

REMARKS BQ Core
Split for analysis.

LOGGED BY A.W. Workman

A.W. Workman

FOOTAGE		DESCRIPTION
FROM	TO	
0	1.55	<u>OVERBURDEN</u>
1.55	40.85	<u>BASALT</u> (Andesite?) Medium to dark green, fine to very fine grained, pillowed locally. Some pillowed sections are moderately silicified - possibly due to late stage circulating fluids. Selvages are filled with quartz and carbonate where voids existed. Some narrow zones are finely brecciated - late stage tectonic event. Pyrite content averages 0-1% but increases in selvages - up to 5%. Chalcopyrite is often found in carbonate filled dilatant zones. 4.90 - 6.15: abundant pillow selvages - quartz and epidote with minor carbonate in selvages, 2-3% pyrite, trace chalcopyrite. 6.36 - 7.00: strongly fractured, hematite coating of surfaces - zone is mixed flow top breccia and hyaloclastite. Zone is intensely chloritized as a result of glass devitrification. 7.00 - 8.68: massive flow. 8.68 - 10.98: pillowed zone - same as 4.90-6.15 m. 10.98 - 11.62: fine to medium grained, carries rare sub-angular fragments of lava up to 2cm - no visible reaction rim or alteration of fragment. 11.62 - 13.75: fine grained, weakly brecciated; minor weak silicification in brecciated rock. Zone carries 1% pyrite. 13.75 - 14.12: strongly brecciated with white carbonate filling. Highly angular fragments up to 2cm in size, weakly chloritized. Dilatant zone at 13.75-13.83 m is 95% carbonate filled with 1-2% chalcopyrite. 14.12 - 15.98: moderately brecciated, possibly pillowed.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		15.98 - 16.51: <u>Dioritic Intrusive</u> - fine to medium grained, with abundant felsic and mafic fragments. Xenoliths are well rounded. Upper contact at 55° to core; lower at 35-40° to core axis.
		16.51 - 23.68: weakly brecciated, pillowed section; carries 1% pyrite, 2% in pillow selvages. Pillow rims are off-set up to 6cm locally across microfaults.
		23.68 - 24.78: fine grained, dioritic zone - probably not intrusive; carries fractured, pale green feldspar phenocrysts up to 1cm. No pillow selvages.
		24.78 - 31.26: pillowed section - abundant breccia associated with pillow margins. Dilatant zones between pillows are carbonate filled and may contain up to 5% pyrite (eg. 26.95-27.32 and 28.25-28.80 m). Rare fractured 1-5mm feldspar phenocrysts. Zone averages 1% pyrite.
		31.26 - 31.42: <u>Dioritic Intrusive</u> : pinkish green, fine grained, chilled contacts.
		31.42 - 31.95: hyaloclastite - less glassy than might be expected, intense shattering of lava then re-welding.
		31.95 - 40.35: massive flow - few pillow selvages; minor intense brecciation with pink quartz (silica) infilling - carrying 2-4% pyrite; (eg. 34.90-35.09 and 36.35-36.50 m). Possibly vesicular at 36.50-36.80.
		40.35 - 40.85: very fine grained, strongly fractured and brecciated; dilatant zones are white carbonate filled. Some increase in pyrite content is noted in carbonate filled fractures and interstitially in lava.
40.85	55.09	<u>DIORITE</u> Dark green, fine to medium grained, strongly fractured with abundant pink quartz and carbonate filled fracture zones above 43.20 m. Zone also carries a few fractured silicified xenoliths of volcanic rock (presumably). These are rounded and up to 2cm in size. Margins are fine grained with a porphyritic central zone.

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FOOTAGE		DESCRIPTION
FROM	TO	
		40.85 - 43.20: fractured contact zone, strongly chloritized, weakly epidotized; fractures are strongly hematized - carries volcanic xenoliths.
		43.20 - 48.16: fine to medium grained, weakly fractured, less altered.
		48.16 - 53.80: porphyritic, little increase in grain size of groundmass but carries fractured, previously euhedral pale green feldspars up to 1.5cm - weakly uralitized; zone is weakly fractured.
		53.80 - 55.09: finer grained, abundant silicified reddish-pink, fractured xenoliths of volcanic(?) rock. Zone below a shear at 55.05 m carries larger xenoliths in 10cm+ range. Xenoliths are pinkish, silicified and weakly pyritized.
55.09	59.45	<u>BASALT</u>
		Medium to dark green, fine to very fine grained, strongly brecciated - cross network of fractures - epidotized. No fragment rotation is noted post-dating brecciation. Pillow selvages are noted locally (26.50-28.00). The rock is non-magnetic and weakly silicified locally.
		55.09 - 56.50: massive, strongly brecciated.
		56.50 - 58.00: pillowed zone, some increased pyrite in space between pillows.
		58.00 - 58.80: possible xenoliths of sediment - reddish-green, up to 5cm in size - others are blue-grey and up to 2cm. Fragments are moderately to strongly silicified.
		58.80 - 59.45: reddish-pink, fine grained and highly silicified. Carries abundant intensely chloritized, green fragments up to 2mm in size.
59.45	91.74	<u>SEDIMENTS</u>
		Dark green, fine to very fine grained, becoming purple-grey in brecciated or strongly silicified sections. The uppermost part is very poorly laminated to non-laminated. Well laminated sections are

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		noted deeper. Chloritization is strong at the upper contact, possibly due to the overlying lavas, but decreases with depth. Several zones of moderate to strong silicification are noted, and increases in pyrite content, up to 10%, are observed. The section averages 1-3% pyrite. Purple colouration is due to varying degrees of hematization.
	59.45 - 60.00:	strongly chloritized, weakly sheared, non-laminated; shear at 60.00 cuts core at 20°.
	60.00 - 61.40:	purple-grey with honey coloured feldspathized filling in dilatant zones and along fractures developed in breccia. Fragments are up to 1cm - openings are filled with micro-breccia. Feldspathized rock carries increased pyrite - 7-9% versus an average 3-7%. Below 60.65, chloritized seams and fractures increase, degree of silicification decreases from strong to moderate and pyrite content falls to 3-5%. Purple colouration due to moderate hematization, also hematite seams up to 5mm.
	61.40 - 62.22:	FAULT ZONE - intensely chloritized and strongly sheared - mylonitic from 61.68-61.88 m. Lower 34cm is strongly fractured with carbonate filling; 0-1% pyrite.
	62.22 - 62.98:	pinkish-green, weakly chloritized and weakly to moderately silicified; moderately to strongly brecciated - fragments are very angular with no subsequent rotation. Silicification is penetrative into fragments but alteration is incomplete. Zone 62.54-62.64 m is non-silicified.
	62.98 - 65.34:	moderately chloritized, weakly silicified locally and moderately brecciated; laminations visible locally at 45° to core axis (eg. 63.22 m). 0-1% pyrite.
	65.34 - 66.10:	spotty silicification; moderate in strength, with weak to moderate hematization; 1% pyrite.
	66.10 - 66.84:	dark grey-green to grey, well laminated and weakly silicified; very minor brecciation. Carries 8-10% pyrite concentrated as a fine grained dissemination

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		parallel to the laminations in narrow seams. Bedding is at 60-70° to core axis. A fault at 66.50 m cuts core at 40° and slickensides pitch 60° across plane.
66.84	72.06	moderately laminated, non-brecciated, moderately chloritized with minor 10cm weakly silicified sections - pyrite averages 1-3% with minor increases in silicified rock. Laminations at 45-50° to core axis at 70.80 m. The zone 71.46-71.54 is intensely chloritized fault zone - surrounding rock strongly brecciated and sheared.
72.06	72.46	well laminated, chloritized zone; 3-5% pyrite - very finely disseminated between laminations - alternating siliceous and argillitic.
72.46	73.90	chloritized, moderately well laminated (73.16 at 45° to core), same as 66.84-72.06, trace chalcopyrite in fractures.
73.90	74.11	intensely silicified, then brecciated - highly angular fragments up to 1cm in a strongly chloritized groundmass; 5-7% pyrite.
74.11	74.65	same as 72.46-73.90 - laminations at 65° to core axis (eg. 74.63 m).
74.65	75.15	zone of soft sediment deformation - bedding tightly folded, often open folds along core axis.
75.15	78.35	poorly laminated, fine to medium grained, moderately fractured, moderately silicified locally.
78.35	79.35	weakly to moderately foliated, non-laminated, possibly tuffaceous - fine to medium grained.
79.35	80.70	moderately laminated, similar to overlying section compositionally; bedding at 79.40 m is at 50-55° to core axis. A 3cm quartz vein cuts at 50° at 80.23 m.
80.70	80.82	laminated and strongly brecciated, 1-3% pyrite.
80.82	81.82	generally non-laminated.
81.82	82.18	strongly laminated at 20-30° to core axis - soft sediment slumping.

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DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION
FROM	TO	
		82.18 - 91.74: massive, non-laminated, some weak foliation of chloritized clasts at 30-40° to core axis. Fractures strongly hematized from 82.18-82.90. A gradual increase in epidotization is noted, becoming pronounced below 87.50 m. Rock is medium grained and less fractured at base of hole. A 6cm sample was removed for thin sectioning.
	91.74 meters	END OF HOLE CASING PULLED

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File L598857

Name and Postal Address of Recorded Holder: **BARRICK RESOURCES CORPORATION P.O. Box 45 Toronto, Ontario T834**

900 #450

M5J 2J1

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 1102.95	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	598857	120		610953	120			
		598858	120		522685	11.48			
		598859	120		512906	11.48			
		598871	120						
		598872	120						
		598873	120						
		610804	120						
	610805	120							

All the work was performed on Mining Claims: L 522685, L 512906

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

Philippon Diamond Drilling Inc.
C.P. 788
829 Boul. Quebec
Rouyn, Quebec
(819) 762-7731

ONTARIO GEOLOGICAL SURVEY
RESEARCH OFFICE
OCT 15 1984
RECEIVED

Drilling from August 5 to August 23 and August 26 to August 29, 1984

LARDER LAKE
MINING DIV.
RECEIVED
OCT - 5 1984
AM PM
7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6

RECORDED OCT 5 1984

Date of Report: Sept 20/84

Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

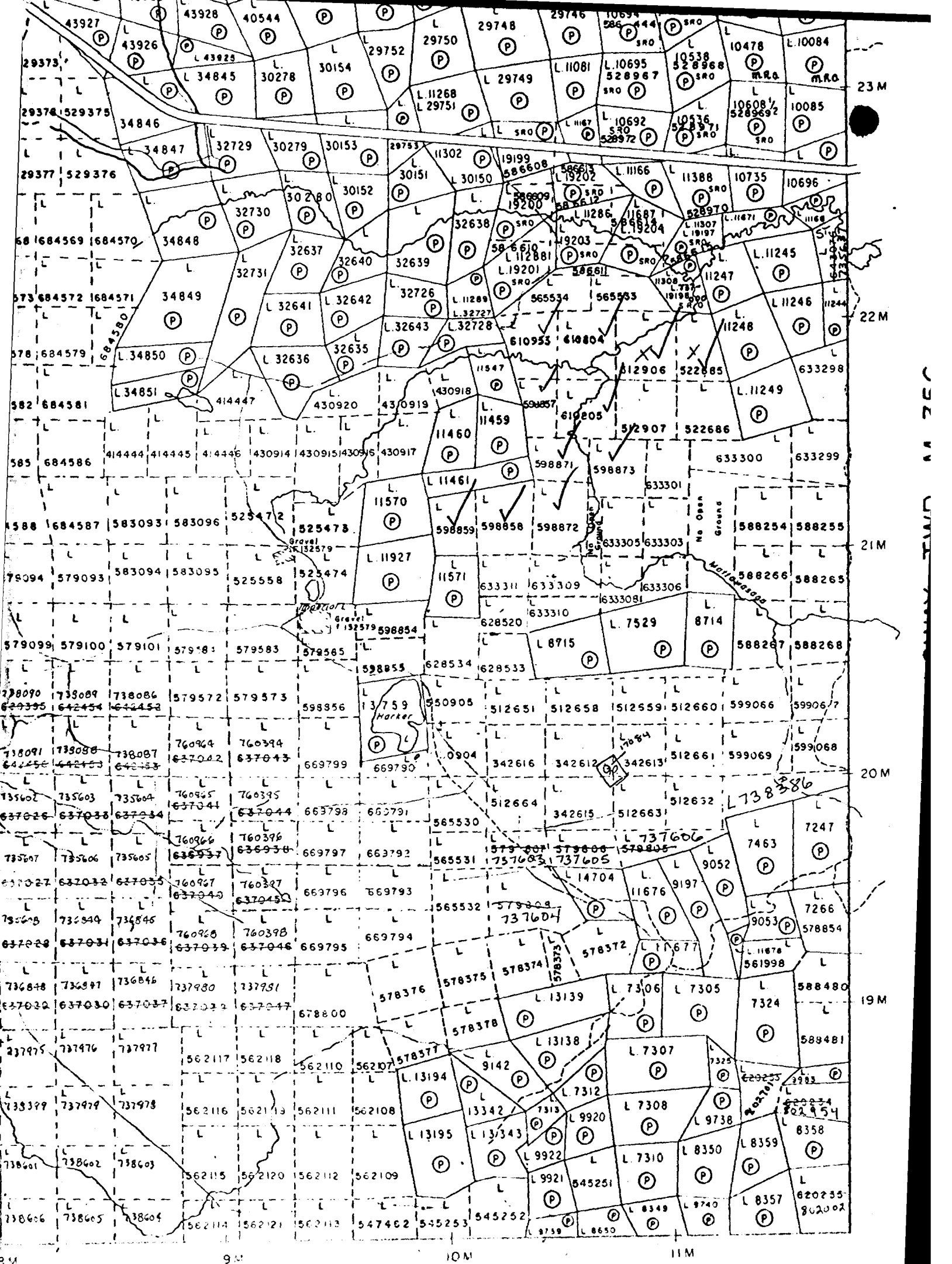
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **M.E. Holt Barrick Resources Corporation P.O. Box 45 Toronto, Ontario M5J 2J1**

Date Certified: Sept 20/84
Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

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



Hankentwp m 353

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