

Drill Hole: MB96-11
 Property: MCBEAN
 Northing: 18223
 Easting: 10340
 Elevation: 10981

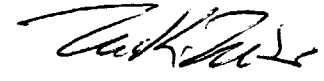
Collar Azimuth (Grid) 3.6
 Collar Dip: -68.5
 (0 Degrees Grid equals 017 degrees True)
 Hole Length: 2423.0

Date Printed: 7 Oct, 1997

*** Dip Tests ***			*** Dip Tests ***		
Depth	Azi.	Dip	Depth	Azi.	Dip
50		-69.0	1200		-63.5
300		-70.0	1500		-61.5
600		-67.0	1800		-59.5
900		-66.5	2100		-59.5

Date Started: Nov 28, 1996
 Date Completed: Dec 20, 1996

Drilled by: BENOIT
 Core Size: BQ
 Material left in hole HW, NW casing
 Core Location: Upper Canada Site 1
 Logged by: M. McGill



Claim # L-19262 (430' W, 1100' S of #1 Post)

From (ft)	To (ft)	Geology
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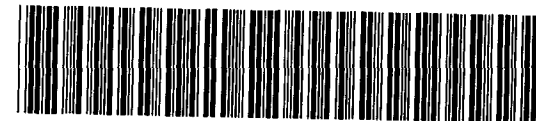
Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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SUMMARY LOG

.0	40.0	OVERBURDEN
40.0	1479.7	GABBRO
1479.7	1486.0	ULTRAMAFIC
1486.0	1531.5	BASALT
1531.5	1782.3	GABBRO
1782.3	1974.9	ALTERED GABBRO BASALT
1974.9	2029.1	ULTRAMAFIC
2029.1	2029.2	START OF DEFORMATION ZONE
2029.2	2035.0	ULTRAMAFIC
2035.0	2036.5	PORPHYRITIC SYENITE
2036.5	2081.1	ULTRAMAFIC KOMATIITE
2081.1	2111.5	ALTERED SYENITE
2111.5	2179.7	FELSITE
2179.7	2241.7	ULTRAMAFIC KOMATIITE
2241.7	2265.7	ALTERED GABBRO
2265.7	2423.0	ULTRAMAFIC KOMATIITE

RECEIVED
 OCT 20 1997
 GEOSCIENCE ASSESSMENT
 OFFICE

2.17723



32D04NW0389 2.17723 GAUTHIER

From (ft)	To (ft)	Geology	Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
1/8		in across. Intruded/brecciated internally by patchy sil/carb/hem material; poorly mineralized; probably a tiny lamprophyre.	43124	481.0	482.8	1.8	TR	tr	.000	.000
			43125	482.8	485.6	2.8	0.5%	tr	.000	.000
114.0	119.0	brecciated/veined interval w/ abundant spec hem and epidote as fracture-filling material.	43126	485.6	489.0	3.4	0.5%	.001	.000	.000
			43127	606.9	609.3	2.4	TR	tr	.000	.000
			43128	609.3	611.3	2.0	3.0%	.001	.000	.000
133.0	134.9	Altered Syenite.	43129	611.3	613.0	1.7	0.5%	.001	.000	.000
		Bright red, brecciated/hematized/silicified syenitic dyke w/ irreg contacts; a fine granular intrusive, which has been broken up and has strongly altered the host gabbro w/ hem/spec hem and silica. Later carb and spec hem has filled in the angular openings; some cse cubic py is also present in veining. Hem alter extends 1 to 2 ft into WR.	43130	628.7	631.2	2.5	TR	.003	.000	.000
			43131	631.2	632.7	1.5	3.0%	tr	.000	.000
			43132	632.7	636.0	3.3	TR	tr	.000	.000
			43133	636.0	639.9	3.9	TR	tr	.000	.000
			43134	787.0	789.0	2.0	TR	tr	.000	.000
			43135	789.0	792.8	3.8	TR	tr	.000	.000
147.0	148.5	Diorite.	43136	792.8	795.8	3.0	TR	.001	.000	.000
		Pale red-orange dioritic dyke; med grned, sharp contacts @ about 45 DTCA; hematitic and magnetic; consists of an aggregate of euhedral feldspars, 1-2 mm across, barely supported in a fine grned dk grey felsic matrix. Both K feldspar and plag are present. Minor accicular amphibole and fine cubic py occur in the groundmass The unit is wkly magnetic.	43137	795.8	797.3	1.5	3.0%	tr	.000	.000
			43138	797.3	799.5	2.2	TR	tr	.000	.000
			43139	860.0	861.4	1.4	TR	tr	.000	.000
			43140	861.4	863.0	1.6	TR	tr	.000	.000
			43141	863.0	868.0	5.0	0.5%	tr	.000	.000
			43142	868.0	871.1	3.1	TR	tr	.000	.000
148.5	149.5	Mafic intrusive.	43143	871.1	876.0	4.9	0.5%	tr	.000	.000
		Dk grey green, aphanitic mafic dyke w/ sugg of felted texture in groundmass; appears crosscut by preceding diorite dyke; sharp bott contact @ 35 DTCA; contains subtle spots? of mafic material? (or alter?); poorly mineralized except at top contact- spotty/cubic py in contact area. Wkly magnetic.	43144	876.0	878.0	2.0	1.0%	tr	.000	.000
			43145	878.0	880.8	2.8	1.5%	.001	.000	.000
			43146	880.8	881.0	.2	TR	tr	.000	.000
			43147	1088.0	1091.5	3.5	0.5%	.001	.000	.000
			43148	1091.5	1095.0	3.5	1.0%	.001	.000	.000
149.5	171.8	an interval of cse grned gabbro crosscut by several narrow dioritic and syenitic dykelets; and inclusions/patches of cser amphibolitic material; units as described above.	43149	1095.0	1098.0	3.0	1.0%	tr	.000	.000
			43150	1098.0	1100.5	2.5	2.5%	tr	.000	.000
			43151	1100.5	1102.0	1.5	2.5%	.001	.000	.000
			43152	1102.0	1106.0	4.0	TR	tr	.000	.000
171.8	185.0	an interval of intercalated very cse grned amphibolitic and minor fine- grnd basaltic material; cut by narrow dioritic dykelets and wispy qtz-carb veins commonly at 50 to 70 DTCA.	43153	1106.0	1108.0	2.0	0.5%	tr	.000	.000
			43154	1108.0	1113.0	5.0	TR	tr	.000	.000
			43155	1113.0	1114.0	1.0	0.5%	tr	.000	.000
			43156	1114.0	1114.7	.7	2.5%	.006	.000	.000
185.0	206.0	cse grned, equigranular mass gabbro crosscut by dioritic/syenitic dykelets.	43157	1114.7	1117.0	2.3	1.5%	tr	.000	.000
			43158	1117.0	1120.0	3.0	0.5%	.011	.000	.000
			43159	1120.0	1122.9	2.9	TR	tr	.000	.000
206.0	228.3	gabbro interval; w/ contained basaltic and amphibolitic sections; cut by wispy carb and qtz-carb veining @ 50 to 60 DTCA; spotty fine cubic and diss py increasing in conc in this interval.	43160	1208.0	1211.3	3.3	TR	.001	.000	.000
			43161	1211.3	1213.4	2.1	2.0%	tr	.000	.000
			43162	1213.4	1216.4	3.0	1.0%	.020	.000	.000
			43163	1216.4	1219.0	2.6	0.5%	.001	.000	.000
228.3	235.9	Diorite.	43164	1307.0	1308.7	1.7	TR	tr	.000	.000
		Pale pink coloured dyke of dioritic composition; consists of poorly defined (altered?) subhedral feldspars (pale white-cream in colour) 1 to 2mm across set in a pale pink grey aphanitic matrix. Mafics are only a very minor component; locally patchy chlorite is developed in the matrix. A hard, probably silicified or albitized intrusive w/ fine subhedral/diss py thru/out the matrix. Cut by irreg (often @ low angles) hairline fractures w/ chlor infillings. Irreg but sharp top contact, sharp bott contact @ 40 DTCA.	43165	1308.7	1312.0	3.3	0.5%	tr	.000	.000
			43166	1312.0	1317.0	5.0	0.5%	tr	.000	.000
			43167	1317.0	1320.0	3.0	TR	tr	.000	.000
			43168	1320.0	1322.5	2.5	TR	.002	.000	.000
			43169	1322.5	1324.1	1.6	0.5%	.008	.000	.000
			43170	1324.1	1326.4	2.3	1.0%	tr	.000	.000
			43171	1326.4	1327.4	1.0	TR	.004	.000	.000
			43172	1327.4	1330.1	2.7	1.0%	.003	.000	.000
235.9	238.3	gabbro.	43173	1330.1	1332.9	2.8	1.0%	tr	.000	.000
			43174	1332.9	1335.0	2.1	TR	tr	.000	.000

From To
(ft) (ft)

Geology

Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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dykelets, and greyish qtz and qtz-carb veins to 3 in thick. Wk hematite and epidote alter thru/out. Few scattered basaltic xenoliths; some local very cse cubic py. Details as follows:.

563.0 to 563.2- siliceous pale pink dioritic dyklet @ 60 DTCA.

564.9 to 565.2- pale grey, aphanitic mafic dyke; contains very fine wispy mafics; sharp contacts @ 70 DTCA, poorly mineralized.

569.0 to 569.4- pale grey mafic dyke as above w/ sharp cnts @ 50/60 DTCA.

580.0 to 580.4- pale grey, siliceous dioritic dykelet w/ chilled margins @ 40 DTCA; tr diss py.

593.5 to 595.9- pale grey mafic dyke similar to the narrow units described above, w/ suggestion of feldspar grains in matrix, few mafic 'spots'? mafic inclusions?; tr sulphide, sharp bott cnt @ 60 DTCA.

609.3 to 611.2- patchy dk grey and lighter carb-qtz veining w/ diss py and WR inclusions (chloritic and hematitic); veins @ 60 to 70 DTCA.

631.2 to 632.7- black basaltic? interval xcut by dk grey qtz veining @ 60-70 DTCA w/ wispy and diss py; elevated py in amphibolitic ? WR.

637.5 to 637.9- narrow mafic dykelet w/ chloritic metacrysts, dk grey green colour; magnetic, calcitic; poorly mineralized, sharp cnts @ 70 DTCA.

649.1 653.3 Mafic intrusive.

Pale grey in colour, med grned w/ a cse felted texture, abundant fine accicular biotite phenos set in a chloritic matrix; wk hem alter; magnetic and calcitic; poorly mineralized. Sharp cnts @ 50/40 DTCA. Possibly a lamprophyre.

658.9 to 659.5- brick red syenitic dykelet; hematized, hard w/ wispy/patchy chlorite after amphibole? in matrix. Diss py in matrix; wkly magnetic. Sharp cnts @ high angles to CA. Very similar to other dykes described uphole.

672.3 to 674.5- pale grey mafic dyke w/ sharp cnts @ 60-70 DTCA. Similar to other narrow dykes described w/in the last 200 or so ft. Tr diss py; very fine wispy carb? epidote? alter in matrix; few scattered feldspar phenos 2-3 mm across; narrow siliceous/hematitic veinlets xcut unit at high angles. Contains a few gabbro inclusions; shearing along contacts has developed a local foliation in WR against dyke.

674.5 to 721.5- gabbro; med to cse grned w/ locally very cse grained sections; cumulate textures locally; xcut by wispy epidote and hematite bearing veinlets and stringers at all angles. Xcut by skinny pale grey dioritic? dykelets and locally invaded by irreg patchy siliceous material. Locally slightly vuggy/weathered out; spotty cse xtalline py developed.

721.5 to 763.4 - a sequence of FP, and dioritic dykes intruding gabbros and cse grned basalts. The intrusive phases are dominant volumetrically.

721.5 728.0 Feldspar Porphyry.

A dk grey, distinctly speckled unit; pale pink to cream coloured euhedral

From To
(ft) (ft)

Geology

Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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feldspar phenos (2 to 4 mm long) sit in a very finely granular purple-grey felsic groundmass. A fresh rock very much like other FP units in adjacent McBean holes. Sharp cnts @ 40/20; weakly magnetic and calcitic. Zoned phenos. Suggestion of wk hem alter; hard. Age relationships between this phase and nearby dioritic dykes is not known.

733.9 to 735.8- pale pink dioritic dykelet; a tightly packed aggregate of fine to med grned feldspars w/ fine black interstitial mafics (chlor/biotite?) Hard, wkly magnetic and wkly mineralized w/ fine spotty py. Xcut by fine nearly clear qtz veins 1/8 to 1/4 in thick (boudinaged, at high angles to CA) Slightly fuzzy cnts @ 70 DTCA. Minor amounts of this material occur @ 736.5 to 737.1 ft.

739.2 741.4 Feldspar Porphyry.
743.4 751.2 Feldspar Porphyry.
754.8 757.0 Feldspar Porphyry.
All above units as per 721 to 728 ft.

763.4 777.8 Felsic Dyke.
A pale purple-mauve coloured dyke xcutting the gabbro host. Consists of a fine grned aggregate of feldspars (slightly muddy groundmass; possibly silicified/albitic?) in which are scattered a few pale white to yellowish feldspar phenos in the 2 to 3 mm size range. Fine needles of chlorite after amphibole? are common thru/out the matrix Phenos have fuzzy margins; incipient epidote and carbonate is developed in matrix. Magnetic; calcitic, poorly mineralized. Contains a few small (1/4 in) WR? inclusions. A massive, fairly homogeneous unit xcut by hairline carb and qtz stringers; generally at high core angles. A red-orange dioritic? dykelet 2 in thick xcuts the interval @ bott cnt. This is the first occurrence of this particular phase in the hole.

777.8 to 780.5- gabbro, csely brecciated.

780.5 783.5 Diorite.
A dioritic unit similar to described above @ 733 to 735 ft; sharp cnts @ 55/70 DTCA; wkly mineralised.

783.5 to 789.0- gabbro.

789.0 792.8 Diorite.
A pale green-grey med grned interval w/ sharp, slightly cusped cnts at 40-50 DTCA; a tightly packed feldspar aggregate w/ conspicuous mafics (3 to 5 mm amphiboles, accicular); altered feldspars, subhedral, 1-2 mm, pale white/yellow colour set in a muddy carbonated matrix; fn patchy chlor thru/out groundmass calcitic and magnetic; tr diss py; hard. This unit is another variation from the dioritic family of dykes cutting the HW gabbros above the McBean Deformation Zone. It is deficient in hematite, a common alteration product in most other 2D units. The age relationship w/ other 2D dykes is not known at this point in the hole.

792.8 to 795.8- gabbro.

From To
(ft) (ft)

Geology

Sample From To Len PY AU AU1 AU2
No. (ft) (ft) (ft) % OZ/T OZ/T OZ/T

795.8 to 797.3- basalt w/ patchy/irreg carb-qtz veins @ 50 DTCA, slightly elev py conc.
797.3 to 804.0- gabbro.

804.0 809.8 Diorite.

A pale grey dioritic dyke very much like that described at 321 to 323 ft. Contains partially digested gabbroic xenos to 2 in across; xcut by several pale grey qtz veins @ 70 DTCA w/ fine carb xtals; minor diss and spotty py in fine hematitic fractures at high core angles. Poss fault at 805.5 in BBC zone.

812.5 813.5 Diorite.

As above @ 804 to 809.

813.5 to 855.1- gabbro, med grned, xcut by several 2-3 in thick pink 2D dykelets, much like those described above at 733 to 735 ft. Calcitic, and cut by numerous hairline carb/silica/hematite filled fractures.

855.1 to 880.8- a diorite dyke breccia zone: pale pink to reddish to dk grey varieties of dykes cutting gabbro and each other. Small xenos of gabbro and basaltic material is caught up in many of the phases. All intrusives are in turn xcut by patchy, hematitic carb and qtz-carb vein/infilling material and finer 1/8 to 1/4 in thick veining at 40 to 60 DTCA. Minor diss and spotty py in both matrix material and fractures. Some minor epidote in hairline stringers. All of these phases are variations on 2D dykes described uphole. Most are of the granular, med grned, groundmass deficient varieties. Details as follows:.

855.1 to 863.0- dk grey, med grned, equigranular, little groundmass; some local alignment of feldspars, grading w/ a sharp, high angle, hem rich contact into the next phase.

863.0 to 871.1- pale pink-grey, med grned and more hematitic than the unit above. Xcut by patchy and sinuous carb-siliceous-hematitic veining; contains basaltic looking xenos, and recognizable gabbro.

871.1 to 880.8- a pale grey finer grned intrusive, similar to the unit described at 789 to 792, but w/ a more metallic grey colour. Becoming more grey (siliceous?) downhole. Becoming more carbonated? towards bott cnt-dusty white carb alter occurs along fine fractures and against earlier silica-hematite veining. Very hard and v wkly magnetic. Slightly elevated diss and spotty py cf w/ earlier phases in this sequence. Contains a few ghostly mafic xenos to 1/2 across and has a psuedo-porphyrictic appearance locally (fresher metacrysts?). Sharp bott cnt @ 35 DTCA against a 3 in thick, vuggy carb-qtz vein w/ tr py. Strong carb metasom away from the vein for 1 to 2 in is visible in the intrusive; wk fol developing at bott of unit @ 50-60 DTCA.

880.8 to 902.9- a brecciated/invaded basalt/gabbro interval. The latter units are xcut and broken up by dioritic material similar to that at 863 to 871, and this in turn may be intruded by a med to med cse grned brick red

From To
(ft) (ft)

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Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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syenitic phase as per uphole @ 658 to 659 ft The breakdown is as follows:.

880.8 to 891.3- either basalt or poss a fn MI- fn grned, mass, biotitic? matrix beginning w/ a prominent black chlor alter rind at the top cnt, and grading downhole into a lighter green fine mafic rock w/ v fn mafics in a felted matrix; cut by scrappy cream/pink carb veining and reddish dior dyke material and ending against reconizable gabbro- sharp cnt at about 70 DTCA. Calcitic, and magnetic.

891.3 to 902.9- gabbro, brecciated and xcut by a red syenitic dyke at 895.5 to 897.3 ft.

891.3 915.5 Felsic Dyke.

This interval may be more properly called an FP, however it differs from other FP units logged in this hole and other McBean holes. It is a brown to terra-cata coloured porphyry consisting of abundant feldspar phenos supported in a dk grey, hematized felsic groundmass. The phenos are generally 1-2 mm across, euhedral and fairly fresh; a few are in the 2 to 3mm size range; pale white to cream coloured and zoned is the norm. Some v fine felted chlor rests in the matrix, along w/ pervasive hematite. The matrix is hard, calcitic and is xcut by irreg hairline fractures, normally strongly hematitic and having well developed halos of the same up to 1/4 in thick. Tr diss py. Sharp bott cnt @ 45 DTCA.

915.5 920.9 Felsic Dyke.

Another variation on the felsic dyke theme- not as described above or at 763 to 777. A pale brown-red coloured, fn grned, quite hard and massive phase, w/ fine microphenos of biotite/chlor (after amphibole?) and lath-like 1 mm feldspars (now replaced by calcite) supported in an aphanitic felsic matrix. Calcitic, and magnetic; probably silicified. Sharp bott cnt @ 40 DTCA. May contain digested gabbro xenos; xcut by a few siliceous hairline fractures; some minor diss py near bott cnt.

920.9 to 1018.9- gabbro; med grned w/ some very cse grned patches; xcut by a few narrow pink dioritic dykes as per those at 733 to 735 ft; fine hem/siliceous stringers cut the rox in a random fashion- most are at 45 deg or steeper core angles. Calcitic and magnetic. Some broken up zones at 958 to 960 and 992 to 993.5; also locally slightly vuggy/weathered out; minor py thru/out; minor fn grned basaltic intervals; some cse brecciation near dykes.

1018.9 1029.0 Diorite.

A pale pink red, med grned dyke quite similar to that described at 863 to 871 w/ strong hematite and siliceous alteration about fractures and in the matrix. Spotty and diss py locally. Sharp, irreg cnts at high core angles. Contains small rounded basaltic xenos; (still fairly fresh).

1029.0 1072.0- Gabbro; med to med cse grned; strong shear @ 1069.8 @ 50 DTCA w/ wk hem alter; few redish dioritic dykelets xcut interval; wk epidote alter scattered thru/out in fractures.

1072.0 to 1093.0- gabbro; med to med fine grned, equigranular phase; massive

From To
(ft) (ft)

Geology

Sample From To Len PY AU AU1 AU2
No. (ft) (ft) (ft) % OZ/T OZ/T OZ/T

and featureless. Contains a narrow basaltic band w/ sharp cnts at 75 DTCA and locally slightly higher conc's of diss py.

1093.0 to 1020.0- basaltic interval xcut by two dioritic phases. The first brecciates the primary unit in a manner very much like that described above at 401 to 430 ft- a cse grned black and white dioritic rock (quite carbonated itself) intrudes dk grey to almost black, amphibolitic basalt in a chaotic manner. The basalt is slightly foliated, carbonated and xcut by wispy and patchy carb/qtz alteration. The sequence is calcitic and wkly magnetic (intrusive phases are more strongly magnetic). The lower portion of the interval is cut by a more recognizable pinkish, med grned diorite, much like that at 733 to 735 ft; quite altered and pale grey and carbonated where first seen at about 1115.0 ft, then appearing fresher downhole albiet w/ an increasing hem content. Locally this sequence is well mineralized in narrow zones where silica and hem alter are more intense; and in highly carbonated areas ex: @ 1098 to 1100 ft; sharp, cusplate bott cnt @ about 50 DTCA.

1020.0 to 1144.4- gabbro; back into a med to med cse phase much like rock above 1072.0 ft. Xcut and brecciated by a number of narrow pale pink dioritic dykes. Becoming more askew downhole towards 1144. Some very cse grned zones locally and a few basaltic xenos in the gabbro matrix. Calcitic and xcut by numerous fine silica/hematite stringers normally at between 40 and 70 DTCA. Trace amounts of diss background py; strong shear at 1107.2 @ 35 DTCA.

1144.4 1147.0 Diorite.

A porphyritic interval very similar to 891-915 ft; pale brown, spotted appearance; sharp cnts at 60/30 DTCA.

1147.0 to 1159.5- gabbro/basalt/dyke zone; mostly dk grey to black, wkly foliated basalt intermixed w/ gabbro. Narrow sheared/pyritic zone at 1148.1 to 1148.6; pale grey dioritic dykelet at 1147.7 to 1148.1 (as per 871 to 888) w/ sharp cnts at 40/80; fine red incipient syenite dykelets at 1158 ft; strong shear at 30 DTCA at 1158.3 ft.

1159.5 1162.0 Diorite.

As above at 1144 to 1147 ft; cnts at 40/50 DTCA.

1162.0 to 1166.5- basalt; v dk grey to black; strongly altered against overlying dyke (patchy carb/amphibolitic), becoming more green and uniform and then grading smoothly into gabbro at 1166.5 ft; calcitic and magnetic.

1166.5 to 1211.3- gabbro; med grned and massive, locally slightly vuggy and broken up; calcitic and xcut by the normal fine qtz/carb/hem stringers; cut by a pale grey felsic dykelet (looks like felsite?) at 1200 to 1201 ft hard, slightly elevated py conc, sharp cnts at high core angles.

1211.3 to 1216.4- basaltic interval, invaded by dk grey qtz veining and pale purple felsite? dykelets. Both of the latter units have cnts at about 40 to 50 DTCA; locally the host V7 is sheared and mineralized w/ diss and blebby py (some cse grnd py in qtz also); the felsites are well mineralized and

From To
(ft) (ft)

Geology

Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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massive except at the bott cnt of the sequence where they become brecciated/intruded by small red syenitic dykelets.

1216.4 to 1235.9- gabbro; variable grain size, xcut by numerous fine scrappy carb veinlets (poorly mineralized).

1235.9 1250.7 Felsite.

A dark maroon coloured dyke?; fine grained and locally almost porphyritic, hard(probably silicified or albitic?) and massive. Hematized thru/out; w/ greater intensities of alteration around mm scale high angle stringers. Contains a few angular 1 to 2 in diam basaltic frags; scattered diss and fn subhedral py. Ghostly feldspar phenos to 2 mm visible locally; calcitic, magnetic. Sharp cnts at 30/20 DTCA.

1250.7 to 1308.7- gabbro; med cse to fine grned interval; grn size quite variable over short lengths (1 to 3 ft); w/ pervasive calcitic and local epidote alter in fine stringers; cut by felsic dykelet at 1295 to 1296.8- pale purple, similar to that at 1235 to 1250 w/ greater conc of phenos and wispy/patchy epidote alter developing in the matrix- defines a crude foliation at 35 DTCA; sharp cnts at 70/40; hard and poorly mineralised.

1308.7 1317.0 Felsic Dyke.

Similar to described at 891 to 915. A porphyritic dyke, w/ knife sharp cnts and only the narrowest of chill margins into gabbro. Hard, hematitic and calcitic. Magnetic and mod mineralised w/ fine py. Cnts at 60/40 DTCA; more purplish colour to the rock (more hem?).

1317.0 to 1324.1- gabbro.

1324.1 1326.4 Diorite.

A pale pink, med grned dykelet similar to those occurring at 863 to 871; slightly vuggy w/ barely visible feldspars in matrix; appears to more silicified? albitized than other examples uphole; poorly mineralised w/ tr spotty py, slightly more at bott cnt; cnts sharp at 30/80 DTCA.

1326.4 to 1327.4- gabbro.

1327.4 1332.9 Felsic Dyke.

As above at 1317 to 1324.

1332.9 to 1430.5- gabbro interval; med cse grned to locally v cse grned section w/ minor basaltic interlayering. Very cse grned sections contain feldspar rich areas (cumulate zones) and large amphibole laths to 1 in long; basaltic areas appear brecciated/granulated/foliated (@ about 40 DTCA); carbonated 1/4 in amygs are scattered amongst fine flow breccia; calcitic; magnetic; xcut by scrappy carb veining and wkly hem carb-qtz knots; scattered diss py thru/out interval; str shear at 1402 @ 30 DTCA, w/ 1/2 in pale green ser/carb alter zone.

1430.5 1435.2 Felsic Dyke.

A dyke similar to that described from 891 to 915; sharp cnts at 50/40, w/ distinct alter rinds/chilled margins? (epidotized, chloritic into WR);

From (ft)	To (ft)	Geology	Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
		LITH- a pale orange, med to med fn grnd section; w/ a subtle mottled appearance; locally appears almost porphyritic (as per porphyr syenite); contains xenos of u/mafic material very much like the overlying unit, narrow pale yellow tuffaceous? intervals and some partially digested dk grey material which resembles a carbonated gabbro; locally more brick red.	43291	2081.1	2085.0	3.9	2.5%	.002	.000	.000
		ALTER- very hard (silicified, albitic?), wkly hematitic and non calcitic; ankerite appears to be the dominant carb phase as pervasive and vein alter; although calcite returns below 2106 ft; the tuff horizon is wkly sericitic.	43292	2085.0	2088.0	3.0	2.5%	.005	.000	.000
		VEINING- fn wispy carb and qtz-carb veining occurs thru/out the interval, generally at about 40-50 DTCA; heavier patchy qtz (pale white, +/- carb selvages) also xcuts the rox randomly. The latter veining is often boudinaged and or irreg.	43293	2088.0	2088.9	.9	3.0%	.006	.000	.000
		MINERALISATION- py occurs thru/out the sequence as disseminations, as anhedral /blebby masses and as fn fracture fillings. More sulphide is present in the matrix, although veining is wkly mineralised. Fn xtalline spec hem infills some fn qtz stringers; a v fn grned xtalline grey metallic occurs in some fractures and small (1/8 to 1/4 in) veins-galena/sphal/tetrahedrite?.	43294	2088.9	2089.5	.6	1.5%	.001	.000	.000
		STRUCT- a fairly massive unit except for included u/mafic and ?gabbroic inclusions which are mod to well foliated (fabric at 20-50; most commonly at 40-50 DTCA) Finer veining cuts the core at 40-50 DTCA typically.	43295	2089.5	2093.5	4.0	3.0%	.011	.000	.000
			43296	2093.5	2096.0	2.5	3.5%	.006	.000	.000
			43297	2096.0	2098.0	2.0	3.0%	.004	.000	.000
			43298	2098.9	2100.5	2.5	1.5%	.001	.000	.000
			43299	2100.5	2102.0	1.5	3.0%	.010	.000	.000
			43300	2102.0	2106.0	4.0	3.0%	.003	.000	.000
			43301	2106.0	2108.9	2.9	2.5%	.002	.000	.000
			43302	2108.9	2111.5	2.6	2.0%	.001	.000	.000
2111.5	2179.7	FELSITE								
		LITH- a dk purple grey coloured unit, med to med fn grned w/ a slightly gritty appearance, and very hard; massive w/ wkly foliated inclusions of carbonated gabbro?, slightly more fresh looking gabbro/dioritic? and u/mafic material. This felsite is somewhat darker in colour than others described in adjacent McBean holes-(possibly due to greater amounts of included mafic material?); the overall composition appears similar to other felsites however: a predom feldspathic rock of unknown origin; locally xcut by fn incipient brick red syenitic dykelets.	43303	2111.5	2114.9	3.4	3.5%	tr	.000	.000
		ALTER- silicified and poss albitic; wkly hematitic thru/out; well carbonated (as calcite down to about 2173 ft) becoming more so downhole; magnetic.	43304	2114.9	2117.0	2.1	3.5%	tr	.000	.000
		VEINING- sparsely veined w/ fn wispy carb, qtz and mixed carb/qtz; these are commonly at 40-60 DTCA and range up to 1/4 in thick. Locally more patchy, or breccia-filling type qtz (to several in across) w/ WR and angular clots /infillings of chlorite; most veining is not strongly mineralised except for some of the cser patchy qtz.	43305	2117.0	2118.9	1.9	3.5%	tr	.000	.000
		MINERALISATION- diss, fn cubic and slightly cser blebby to anhedral py is developed thru/out matrix and to a lesser extent in the veining; minor amounts of fracture-filled sulphide is visible.	43306	2118.9	2119.4	.5	TR	tr	.000	.000
		STRUCT- overall a massive unit w/ high RQD; foliated inclusions show fabrics at 40-50 DTCA; few local zones 6-12 in long of very BBC, no faulting is apparent.	43307	2119.4	2123.0	3.6	3.5%	tr	.000	.000
		Comments on the Interval:.	43308	2123.0	2125.0	2.0	3.5%	tr	.000	.000
			43309	2125.0	2127.3	2.3	3.5%	tr	.000	.000
			43310	2127.3	2130.9	3.6	4.0%	tr	.000	.000
			43311	2130.9	2135.0	4.1	4.0%	tr	.000	.000
			43312	2135.0	2138.0	3.0	3.5%	tr	.000	.000
			43313	2138.0	2140.5	2.5	2.5%	tr	.000	.000
			43314	2140.5	2142.9	2.4	0.5%	tr	.000	.000
			43315	2142.9	2144.4	1.5	3.0%	tr	.000	.000
			43316	2144.4	2146.0	1.6	TR	.001	.000	.000
			43317	2146.0	2149.4	3.4	2.5%	tr	.000	.000
			43318	2149.4	2150.8	1.4	TR	.001	.000	.000
			43319	2150.8	2156.0	5.2	3.5%	tr	.000	.000
			43320	2156.0	2160.0	4.0	1.0%	tr	.000	.000
			43321	2160.0	2164.0	4.0	2.5%	tr	.000	.000
			43322	2164.0	2168.0	4.0	3.0%	.001	.000	.000
			43323	2168.0	2170.3	2.3	3.0%	tr	.000	.000
			43324	2170.3	2175.0	4.7	1.5%	tr	.000	.000
			43325	2175.0	2179.7	4.7	2.5%	tr	.000	.000

2111.5 to 2114.9- appears to contain ghosted dioritic? material; cut by wispy low angle carb/qtz stringers.

2114.9 to 2118.9- dk grey-purple, mass, grainy interval.

From To
(ft) (ft)

Geology

Sample From To Len PY AU AU1 AU2
No. (ft) (ft) (ft) % OZ/T OZ/T OZ/T

smaller in size than that in surrounding kom.

2213.0 to 2213.9- kom as noted above.

2213.9 2215.9 Fault Zone.

Fault zone composed of greenish gritty gouge/fine fault breccia w/ cnts at 50/50; crushed rock and a lower fine grnd cemented/healed breccia (chlor/carb? cement).

2215.9 to 2218.0- kom at noted above.

2218.0 to 2221.8- a banded, almost cherty horizon; pale olive green to pale brown in colour; finely laminated/foliated at a cm scale (at 60-70 DTCA); hard and locally wkly hematized; sericitic near top cnt; possibly a small tuff band which has been later silicified/carbonated; contains diss and fn xtalline py and 1-2 mm spec hem xtals near bot cnt in a qtz-carb vein; irreg veined both at high angles (narrow qtz/carb) and later at very low angles (slightly thicker carb/qtz); non magnetic and non-calcitic.

2221.8 to 2241.7- a kom interval; transitional from the highly deformed/banded intervals above to a recognizable slightly talcose blueish u/mafic; contains brownish, quite hard horizons (deformed/brecciated, rotated locally // to CA)-tuffs?; and speckled/veined/foliated zones in amongst more fresh areas. A pale brown carbonated gabbro sits at 2238.3 to 2239.2; sharp cnts @ 45/20 DTCA; a healed breccia zone is at 2222.8 to 2223.4-similar to that near the fault at 2213-2215; strong shear at about 2225 @ 15 DTCA; crushed, blocky zone around 2228 w/ tr of gouge-poss fault(orientation unknown); fn folds at 2224.5 w/ AP's // to CA; foliations in this interval in the 40-45 deg range where visible; fault @ 2236.5 @ 60 deg w/ 1/4 in talcy gouge.

2241.7 2265.7 ALTERED GABBRO

LITH- a dk grey grainy/speckled and or mottled/banded unit w/ a distinctive red cast; med to med fn grned and foliated in part; a heavily altered interval of gabbroic composition, in part massive and in part more deformed and foliated. Locally xcut by irreg syenitic dykelets up to 1 in across. Slightly vuggy areas in weathered out veins.

ALTER- strongly carbonated(becoming calcitic around 2243); wky hematized thru/out (tr spec hem in some vuggy areas); locally silicified about veining and as patches; v fn carb speckling developed in a few spots; magnetic.

VEINING- patchy, boudinaged carb and carb-qtz veining is developed in more foliated areas; typically at about 40/50 DTCA and/or sub // to local foliations and ranging from 1/8 to 1/2 in thick; a later? finer set of stringers also xcuts the unit (also at 40 to 50 DTCA).

MINERALISATION- fn cubic py (1-3 mm) is scattered thru/out the unit; slight increase in conc in some veined/banded areas.

STRUCT- a mass to foliated interval; foliated zones have a fabric lying at 40 to 50 DTCA w/ some flatter angles locally; sharp cnts at 55/35.

Comments on the Interval:.

43357	2241.7	2242.3	.6	0.5%	tr	.000	.000
43358	2242.3	2246.0	3.7	3.0%	tr	.000	.000
43359	2246.0	2248.0	2.0	2.5%	tr	.000	.000
43360	2248.0	2250.6	2.6	3.0%	tr	.000	.000
43361	2250.6	2253.0	2.4	2.0%	tr	.000	.000
43362	2253.0	2256.0	3.0	1.0%	tr	.000	.000
43363	2256.0	2258.0	2.0	1.0%	tr	.000	.000
43364	2258.0	2261.2	3.2	1.5%	tr	.000	.000
43365	2261.2	2263.7	2.5	2.0%	tr	.000	.000
43366	2263.7	2265.7	2.0	1.5%	tr	.000	.000

From (ft)	To (ft)	Geology	Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
		2241.7 to 2243.3- fn grned brownish matrix w/ fn carb speckling, hard.								
		2243.3 to 2250.6- med grned mass section w/ granular intrusive appearance.								
		2250.6 to 2261.2- foliated, veined interval; contains irreg l-2 in thick syenitic dykelets at high core angles.								
		2261.2 to 2265.7- predom a grainy massive section w/ minor foliated material.								
2265.7	2423.0	ULTRAMAFIC KOMATIITE								
		LITH- a sequence of deformed komatiitic rocks of u/mafic origin, quite similar to those described above from 2179 to 2241 ft. The system contains small felsite and carbonated gabbro intervals and both highly deformed and fresher u/mafic rocks as per the above noted sequence; a few narrow tuffaceous bands are also visible.	43367	2265.7	2268.0	2.3	TR	tr	.000	.000
			43368	2268.0	2271.7	3.7	TR	tr	.000	.000
			43369	2271.7	2272.7	1.0	0.5%	tr	.000	.000
			43370	2272.7	2274.8	2.1	TR	tr	.000	.000
			43371	2274.8	2276.0	1.2	TR	tr	.000	.000
		ALTER- a strongly carbonated sequence, w/ several calcitic domains: 2265.7 to 2294.5; 2355.0 to 2371.8; locally silicified and hematized about veining and some internal lithologies; some minor sericite? inside of vein inclusions; generally magnetic, in some spots very strongly so where grainy magnetite is actually visible.	43372	2276.0	2277.5	1.5	TR	tr	.000	.000
			43373	2277.5	2279.0	1.5	TR	tr	.000	.000
			43374	2279.0	2282.5	3.5	TR	tr	.000	.000
			43375	2282.5	2286.0	3.5	TR	tr	.000	.000
			43376	2286.0	2289.0	3.0	TR	tr	.000	.000
		VEINING- heavy banding/veining of carbonate is developed in the highly deformed areas; irreg patchy Qtz and Qtz/carb veining from 1/4 to 2 in thick xcuts the sequence randomly; some are // to fol, others are discordant. Much of the vein material is deformed: boudinaging, tight folding on a cm scale or brecciation is present. Most veins are not well mineralised.	43377	2289.0	2291.0	2.0	0.5%	tr	.000	.000
			43378	2291.0	2292.3	1.3	0.5%	tr	.000	.000
			43379	2292.3	2294.4	2.1	2.0%	tr	.000	.000
			43380	2294.4	2296.0	1.6	2.0%	tr	.000	.000
			43381	2296.0	2297.8	1.8	0.5%	tr	.000	.000
		STRUCT- a strongly deformed sequence; generally well foliated at 40-60 DTCA. Veining is deformed as noted above; most of the jointing/breakage in the core is // to local foliation orientations. Some short zones have fabrics almost // to the CA.	43382	2297.8	2301.0	3.2	TR	tr	.000	.000
			43383	2301.0	2302.2	1.2	TR	tr	.000	.000
			43384	2302.2	2305.0	2.8	TR	tr	.000	.000
			43385	2305.0	2309.0	4.0	TR	.001	.000	.000
			43386	2309.0	2313.0	4.0	TR	tr	.000	.000
		Comments on Sub-Units in this Sequence:.	43387	2313.0	2317.0	4.0	TR	tr	.000	.000
			43388	2317.0	2317.7	.7	1.0%	tr	.000	.000
		2265.7 to 2274.5- a pale blue-black kom interval w/ abundant patchy/scrappy carb veining/alter; fol/banding at 40/45 DTCA; grading into a more mass section which although foliated, is lacking the intense veining seen above; Contains a siliceous tuff? unit at around 2272, w/ wk hem alter, fn gritty magnetite; banding almost // to CA.	43389	2317.7	2321.0	3.3	TR	tr	.000	.000
			43390	2321.0	2325.0	4.0	TR	tr	.000	.000
			43391	2325.0	2326.2	1.2	TR	tr	.000	.000
			43392	2326.2	2327.3	1.1	0.5%	tr	.000	.000
			43393	2327.3	2328.9	1.6	1.0%	tr	.000	.000
			43394	2328.9	2330.5	1.6	1.5%	.001	.000	.000
		2274.5 to 2292.3- a foliated, wkly veined interval; dk blue green to grass green; begining w/ some wispy veining w/in 12 in thick u/mafic sub flows? (fresh; foliated bott's? uphole/sugg tops are downhole) the unit grades into a homogeneous well foliated section w/ blue slightly talcose zones and green more chloritic areas(with fine accicular mafic phenos?) This abuts a more hematitic, harder section from 2291 to 2292.3- a tuff sequence?(sharp cnt at 2291 @ 30 DTCA).	43395	2330.5	2332.1	1.6	2.0%	tr	.000	.000
			43396	2332.1	2334.8	2.7	TR	tr	.000	.000
			43397	2334.8	2335.3	.5	2.0%	.004	.000	.000
			43398	2335.3	2339.5	4.2	TR	tr	.000	.000
			43399	2339.5	2340.1	.6	3.5%	tr	.000	.000
			43400	2340.1	2344.0	3.9	0.5%	tr	.000	.000
			43401	2344.0	2348.0	4.0	TR	tr	.000	.000
		2292.3 to 2296.0- a brown coloured, banded interval; fnly foliated and distinctly spotted w/ 3 to 4 mm square carbonate metacrysts; fol/banding at 40 DTCA; wkly hematitic and fairly hard; poss a carbonated gabbro unit? sharp cnts at 25/40 DTCA; strongly magnetic and well mineralized.	43402	2348.0	2350.0	2.0	0.5%	tr	.000	.000
			43403	2350.0	2351.5	1.5	0.5%	tr	.000	.000
			43404	2351.5	2352.4	.9	2.0%	tr	.000	.000
			43405	2352.4	2353.6	1.2	TR	tr	.000	.000
			43406	2353.6	2354.9	1.3	0.5%	tr	.000	.000
		2296.0 to 2353.6- a strongly veined/banded section; blue-black w/ abundant carb veins at 40-60 DTCA; often boundinaged/folded/kinked; wkly talcose and locally hard around incipient siliceous veining; contains narrow bands of	43407	2354.9	2358.5	3.6	1.0%	tr	.000	.000
			43408	2358.5	2361.5	3.0	2.5%	.001	.000	.000
			43409	2361.5	2365.0	3.5	0.5%	tr	.000	.000

From To
(ft) (ft)

Geology

Sample No.	From (ft)	To (ft)	Len (ft)	PY %	AU OZ/T	AU1 OZ/T	AU2 OZ/T
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2408.0 to 2414.0- scattered carb-qtz veining w/ highly deformed carb veining -banding; fault at 2410.5 at about 35 deg; 1 in gouge.

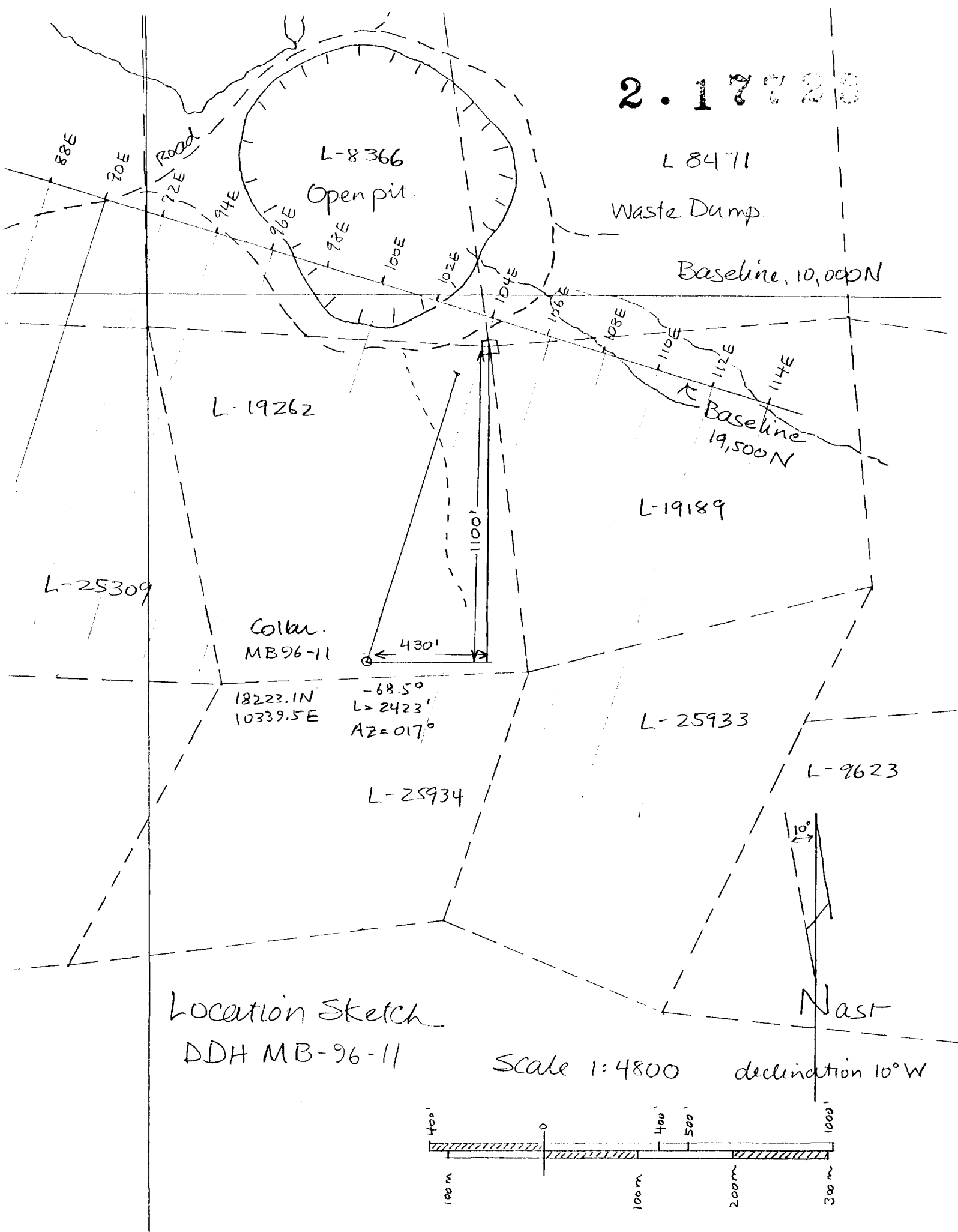
2414.0 to 2418.0- Lost Core.

2418.0 to 2423.0- rubbly broken core, 2 feet of lost core.

Hole was stopped at 2324 because of adverse ground conditions- faulted/sandy seam area. The drillers were unable to pass through this area w/ BQ rods. The hole was then reamed to NQ size with the intention of wedging at 2300 and drilling through the bad ground with NQ rods. The hole was subsequently reamed N to 821 feet, where the reamer bits wandered off the original hole. The hole was then abandoned.

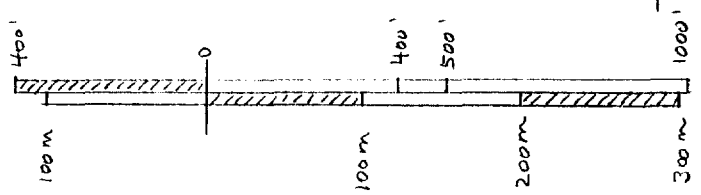
End of Hole- 2423.0 feet.

2.17720



Location Sketch
DDH MB-96-11

Scale 1:4800 declination 10°W





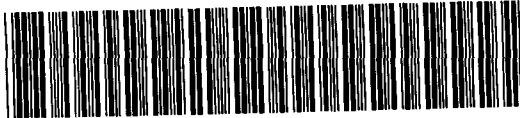
Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9790.01052 Assessment Files Research Imaging

97-8

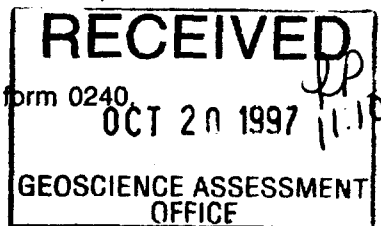
Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to...



32D04NW0389 2.17723 GAUTHIER

900

use form 0240



Instructions: - F - F

1. Recorded holder(s) (Attach a list if necessary)

Table with 2 columns: Name/Address and Client Number/Telephone/Fax Number. Entries include Queenston Mining Inc and Robert A MacGregor & Skead Holdings Ltd.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
Physical: drilling, stripping, trenching and associated assays
Rehabilitation

Work Type: Diamond Drilling
Office Use: Commodity, Total \$ Value of Work Claimed, NTS Reference, Mining Division, Resident Geologist District

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Table with 2 columns: Name/Address and Telephone/Fax Number. Entries include Murray McGill, Benoit Diamond Drilling Ltd, and Accurasay Laboratories.

2.17723

4. Certification by Recorded Holder or Agent

I, Wayne Benham, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Wayne Benham
Date: Oct 14/97
Agent's Address: c/o Queenston Mining Inc Toronto, Ont.
Telephone Number: 416 364-0001
Fax Number: 416 364-5098

Noted Jan 18/98

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 L 8000704 L 19262	1	\$90,079	-	18,270	51,809
2 L 1046094	1	-	17	-	-
3 L 1046095	1	-	373	-	-
4 L 1202539	1	-	938	-	-
5 L 1202540	1	-	938	-	-
6 L 1202543	2	-	1548	-	-
7 L 1203499	1	-	734	-	-
8 L 1205549	2	-	2332	-	-
9 L 1206419	1	-	1100	-	-
10 L 1206420	1	-	1090	-	-
11 L 1180405	1	-	1200	-	-
12 L 1180406	5	-	4000	-	-
13 L 1180408	3	-	2400	-	-
14 L 1180409	2	-	1600	-	-
15					
Column Totals		70,079	18,270	18,270	51,809

I, Robert MacGregor, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.
(Print Full Name)

Signature of Recorded Holder or Agent Authorized in Writing

Date

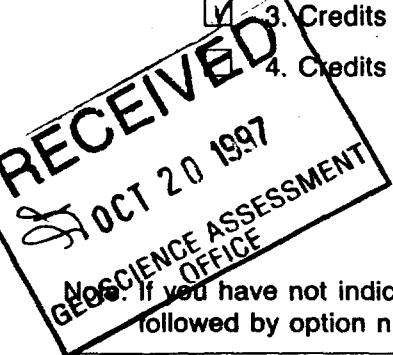
[Handwritten Signature]

Oct 14/97

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

January 15, 1998

Wayne Benham
QUEENSTON MINING INC.
1116-111 RICHMOND STREET WEST
TORONTO, ONTARIO
M5H-2G4

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

Dear Sir or Madam:

Submission Number: 2.17723

Status

Subject: Transaction Number(s): W9780.01052 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.17723

Date Correspondence Sent: January 15, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.01052	19262	GAUTHIER	Deemed Approval	January 14, 1998

Section:

16 Drilling PDRILL

Correspondence to:

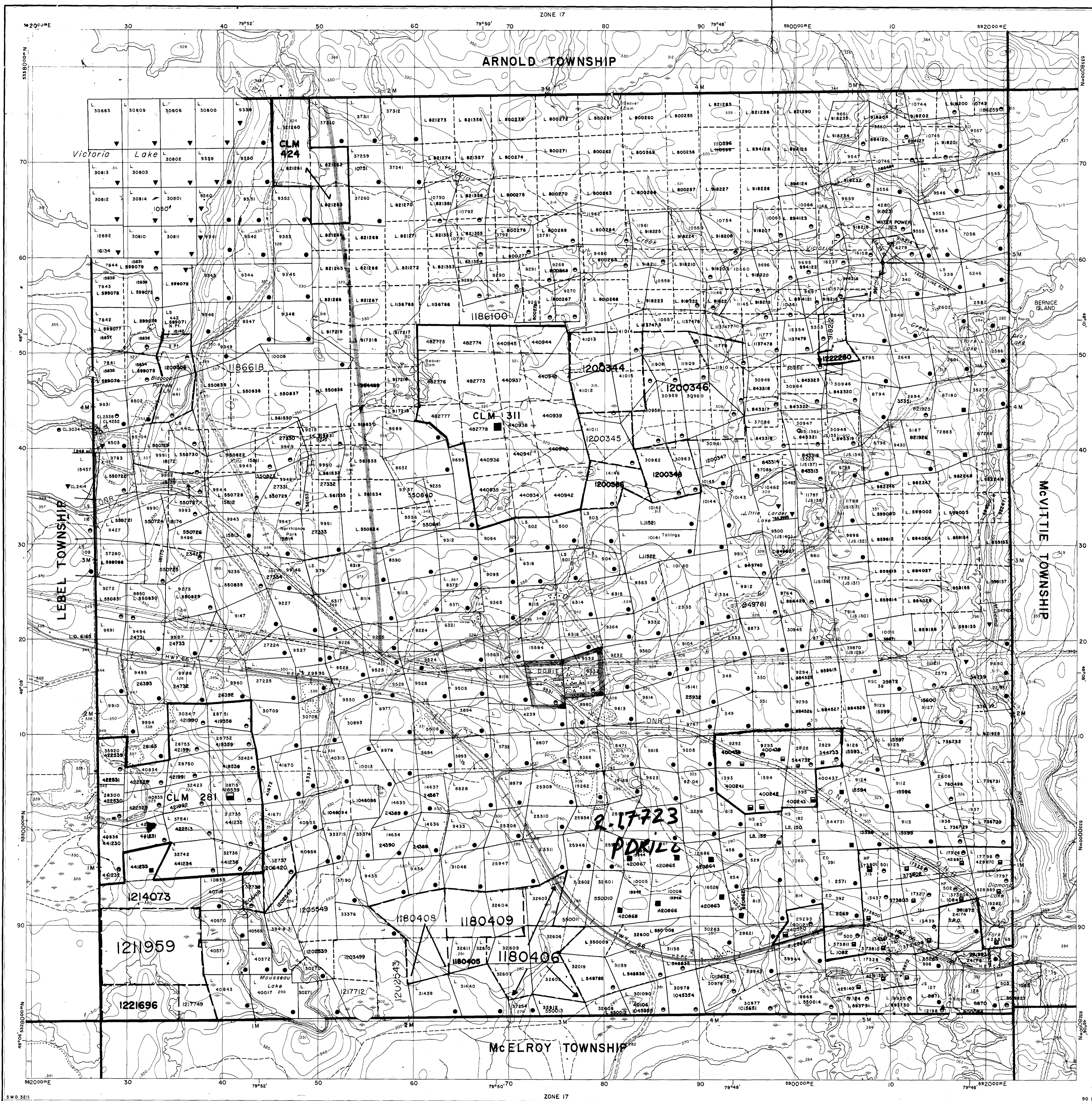
Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Wayne Benham
QUEENSTON MINING INC.
TORONTO, ONTARIO

ROBERT ALLAN MACGREGOR
SAULT STE. MARIE, Ontario

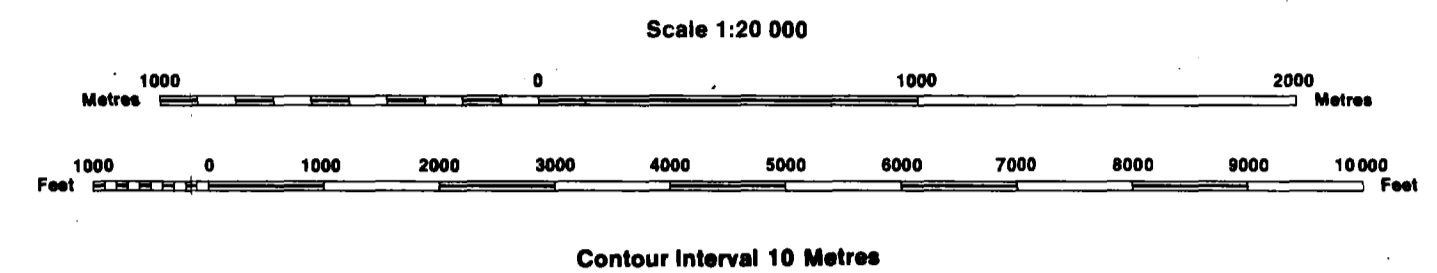


INDEX TO LAND DISPOSITION

PLAN
 G-3211
 TOWNSHIP

GAUTHIER

M.N.R. ADMINISTRATIVE DISTRICT
 KIRKLAND LAKE
 MINING DIVISION
 LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
 TIMISKAMING



AREAS WITHDRAWN FROM DISPOSITION

- MRO - Mining Rights Only
- SRO - Surface Rights Only
- M + S - Mining and Surface Rights

SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- shoreline
- Lot/Concession; surveyed
- unsurveyed
- Parcel; surveyed
- unsurveyed
- Right-of-way; road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- double track
- abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DATE OF ISSUE

JAN 13 1998

PROVINCIAL RECORDING
 OFFICE - SUDBURY

DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

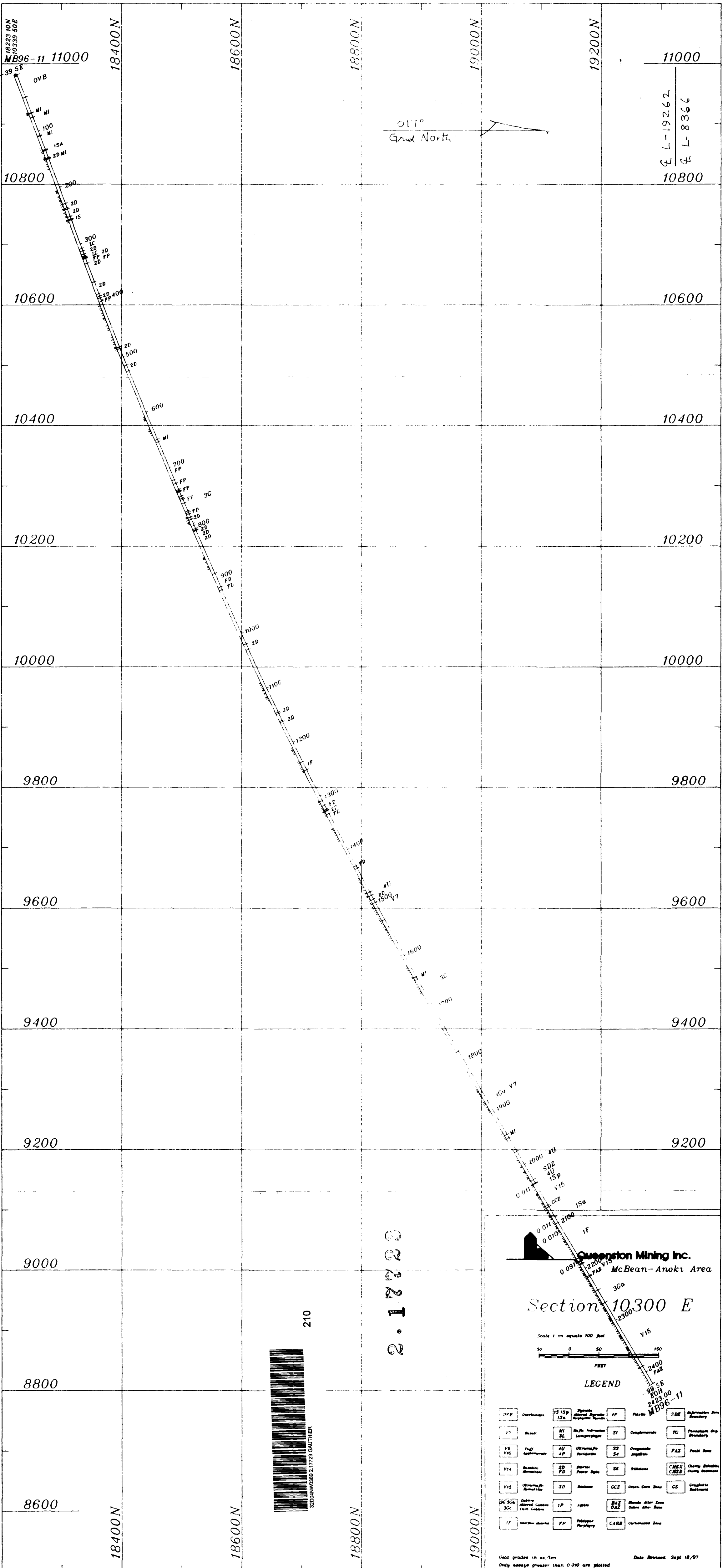
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE TIMISKAMING MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT:

P.O. BOX 129
 SWASTIKA, ONT.
 POK ITO
 705-642-3222

ARCHIVED JULY 28, 1995
 ARCHIVED AUGUST 28/97.
 CIRCULATED JANUARY 25, 1995 ML



11000
 10800
 10600
 10400
 10200
 10000
 9800
 9600
 9400
 9200
 9000
 8800
 8600

18400N
 18600N
 18800N
 19000N
 19200N

017°
 Grid North

210



2.17223

Quezon Mining Inc.
 McBean-Anoki Area

Section 10300 E

Scale 1 in. equals 100 feet

LEGEND

OVB	Overburden	IS 15p	Strata Altered Argillaceous Sandstone	IF	Fracture	SDE	Stratigraphic Boundary
V7	Vegetation	MI	Mt. Air Limestone	ST	Complement	FD	Fracture Boundary
VS	Vegetation	4U	Ultramafic Porphyry	SS	Stratigraphic Surface	FAZ	Fault Zone
V15	Vegetation	2D	Diabase Porphyry	SE	Sediment	CMEX	Cherty Sediment
V15	Vegetation	3D	Shale	OCZ	Open Clay Zone	CS	Crystalline Schist
3C 3Ca	Cherty Copper	1P	Apite	BAZ	Basal Alter Zone		
3C	Cherty Copper	PP	Pyrite Porphyry	CARB	Carbonate Zone		

Gold grades in oz./ton
 Only assays greater than 0.010 are plotted

Date Revised Sept 18/97