DIAMOND DRILLING

TOWNSHIP: McCOWAN TWP. **REPORT NO:** 10

WORK PERFORMED FOR: Robert G. Smith

RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER ( )

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 764733	M88-1	404'	Oct/88	(1)
P 764734	M88-2	354'	Oct/88	(1)
P 764733	M88-3	404'	Oct/88	(1)
P 758387	M88-4	404'	Oct/88	(1)
P 651411	M88-5	164'	Oct/88	(1)
	M88-6	164'	Oct/88	(1)
	M88-7	295'	Oct/88	(1)
P 758386	M88-8	454'	Nov/88	(1)
P 758387	M88-9	534'	Nov/88	(1)

NOTES: (1) # W8906.537, filed Jan/90

DDH * M88-1 Azimuth 180 Dip -50; @ 404' -52 Length - 404'
Location - L24W, 51+50N Date started - October 13, 1988
Claim - P764733,McCowan Tp Date finished - October 15, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 6.7 Casing

6.7 - ~~231.8~~ 224 Greywacke, fine- to fine- medium grained, medium grey feldspathic greywacke
@18.6' bedding to core axis - 60
a number of narrow sections (between 9'-58.2 ' contain 10%-20% narrow quartz veins - veinlets. Minor (1-2%) pyrite is common in the veined sections at- 9'-13.3'; 16.3-19.3', 21.8-23.0, 30.0-32.6', 35.7-36.3', 52.3-58.2'

58.2'-164.2' - greywacke, little or no quartz veins-veinlet
@116' foliation to core axis-45

164.2'-224' - noticeable quartz veining in sections throughout this footage
164.2'-167.2' - strongly foliated and partially sericitized and silicified greywacke, 1% fine pyrite
167.2'-168.3 - quartz vein with 20%, in part, sericitized wall rock
168.3'-169.2' - strongly foliated, silicified and partly sericitized, 1-2% pyrite
169.2'-170.5' - quartz vein, 25% included greywacke, 2% arseno, trace pyrite
170.5'-174' - 50% quartz veining, 1-1.5% sulphide, arseno > pyrite
174'-175.4 - 10% quartz veining, minor pyrite
175.4'-177.3' - 40% quartz veining, 1% arseno, lesser pyrite
177.3'-200' - narrow quartz veins-veinlets average 15%, generally 1-2% pyrite
200-211.6 - 20-30% quartz as veining? or qtz-rich sediment; strongly foliated, 1% pyrite
@ 205' foliation to core axis-45

224-404 with exception of quartz porphyries as noted below, the rock is a moderate - well foliated greywacke with minor seams and veinlets of quartz; minor (1%) fine pyrite is ubiquitous

231.8'-238.5 quartz porphyry, contact @ 45 core axis; 1% pyrite with local minor seams and disseminations of arsenopyrite

309.3'-318.2 quartz porphyry - tuff? moderately sericitized at margins
390' - 1" quartz vein trace pyrite minor tourmaline

404 End of Hole

I R Lyle

DDH * M88-2 Azimuth 360 Dip -50 ; @ 354' -51 Length - 354'
Location - L12W, 60+00N Date started - October 15, 1988
Claim - P764739, McCowan Tp Date finished - October 16, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 35.4	Casing
35.4 - 298.5	Greywacke, fine grained, moderately foliated, medium grey, 3-12 % biotite, remainder is feldspar and lesser quartz. Overall the core shows relatively little alteration and contains only minor veining

White, generally barren quartz veining evident in core over the following footages:

58' - 93'
- 59.1 - 2" qtz vein, barren
- 60.9- 62.6 - 20% qtz veining, trace pyrite
- 72.0 - 1" qtz vein 45 CA, trace pyrite
- 89.7 - 92.1 - 35% qtz veining, minor silicification, 1/2 - 1% pyrite

126.5 - 134.5
- 129 - 130.3 qtz vein @ 25 CA, trace pyrite

132 - 132.9 - qv, 20 CA, trace pyrite
148.4 - 149.2 - moderate silicification, 1% pyrite
213.1 - 215.1 - qtz vein subparallel to CA, minor epidote, trace pyrite
265.8 - 2" qtz vein, minor pyrite, 10% epidote
293.6 - 294 - two, 1" qtz epidote veins, barren
295.3 - 295.6 - qtz epidote vein, minor pyrite

298.5 - 354	diabase, massive,non- porphyritic
354	End of Hole

D R Pyke.

DDH # M88-3 Azimuth 160 Dip -50 ; @404' -52 Length - 404'
Location - L27+13W, 50+64N Date started - October 16, 1988
Claim - P764733, McCowan Tp Date finished - October 18, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 6.5' Casing

6.5 - 167.5' Greywacke - in general, a fine grained feldspathic wacke with little qtz veining (3-4% narrow qtz veinlets), alteration or mineralization. 158.4' - 167.5 marks the onset of a wide, intermittent zone of alteration, mineralization and qtz veining extending to approximately 248.0'

@72' foliation to CA - 45
44 - 44.8 - 25% qtz veinlets
81 - 83' - 20% qtz veinlets
111.8 - 114'- qtz vein + 50% included sediments, 1-1.5% pyrite
122 - 125.2 - sericitized wacke, minor qtz veining, 1% pyrite
128.4 - 128.7 - qtz vein, barren
145.7 - 146 - qtz vein, barren
158.4 - 167.5 - general increase in qtz veinlets averaging 15%

167.5 - 248' Greywacke, intermittently altered, veined and mineralized

167.5 - 172.7 - silicified vein margin, sericitized, 2% sulphide (arseno 1/2%)
172.7 - 174 - qtz vein, minor tourmaline, 8-10% arseno in 2" section containing 30% sericite
174 - 177 - minor qtz veining, 1% very fine pyrite, trace arseno
177 - 178.2 - qtz vein, sulphides (2-3%, py>arseno) in sericitic sections
178.3 181.5 - 7-8% qtz veinlet
181.5 -183.1 - strongly sericitized, foliated wall rock, minor carbonate; both arseno and pyrite, arseno increasing toward vein margin (3-5%)
183.1 - 187.1 - qtz vein, most sulphide (virtually all arseno) is within chloritic and seric-

itic seams and patches, trace tourmaline. Overall 1% arseno, local concentrations to 10%.

187.1 - 190 - weakly silicified, 1-2% fine pyrite, trace arseno

190 - 213.5 - strong foliation, 1% pyrite

213.5 - 214 - qtz vein, 2% arseno

214 - 223.7 - minor silicification, arseno + pyrite < 1%

223.7 - 229 - strongly foliated, silicified, sericitized; 3% arseno, 1% pyrite
qtz veining - 223.7 - 224.2
- 226.3 - 226.5
arseno as smears & seams parallel to foliation & as disseminations

229 - 240.8 - largely qtz vein - silicified material; 234-234 silicified-sericitized seds, 4% arseno + pyrite
Overall 2-3% sulphides of which 2% arseno

240.9 - 241.8 - sericitized & silicified wall rock, sparse sulphide

241.8 - 242.2 - qtz vein, minor pyrite

242.2 - 248 - weakly silicified wacke, only minor-trace pyrite

248 - 404 Greywacke, moderate to well foliated, sparse pyrite

295.7 - 1" qtz vein, trace pyrite

@ 334' foliation to CA 50

345.2 - 1/4 " qtz vein, minor pyrite & tourmaline

352.7 - 1/2" qtz vein, barren

362.1 - 1/2 " qtz vein, minor pyrite

370 - 371.4 - qtz vein, arseno + minor pyrite, trace tourmaline; local strong concentrations of arseno (5%+), overall 1-2% average.

380.4 - edge of qtz vein, trace pyrite

404' End of Hole

D R Lake

DDH # M88-4 Azimuth 180 Dip -50 ; @404' -53 Length - 404'
Location - L36W, 48+00N Date started - October 19, 1988
Claim - P758387, McCowan Tp Date finished - October 21, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 19.5' Casing

19.5 - 121.7 Greywacke, fine-medium grained, medium-light grey, moderate-well foliated, 5% biotite remainder being feldspar and lesser quartz

- 34.5 - 36'- silicified, minor pyrite
- 36.8 - 1" qv @ 50 CA, trace pyrite + po
- 37.5 - 38.5 - strong silicification, 1% pyrite
- 41' - foliation to CA - 45
- 94.2 - 95.7 - silicified, < 1% pyrite

121.7 - 208.5 Greywacke; portions throughtout this section are highly silicified, sericitized, quartz veined, and mineralized with arsenopyrite and pyrite

- 121.7 - 124.7 - highly silicified, 3-5% sulphide, minor sericite
- 124.7 - 129 - same, extreme silicification, strong foliation, 5% sulphide (mainly pyrite)
- 129.0 - 132 - strong silicification and sericitization, are within immediate wall rock of adjacent qtz vein; 3-4% arseno + minor pyrite. @ 131' a 1/2" seam of massive pyrite parallel to foliation.
- 132.0 - 138.4 - Quartz vein, 3-5% arseno 1% pyrite; the main qtz vein is beige to tan in colour, highly fractured, and contains numerous sericitic slips and seams; this in turn is cut by a latter white qtz veining; both vein types are mineralized. Trace of galena and possible sphalerite
- 138.4 - 139.4 - extremely silicified sericite schist; first 0.5' contains 5-8% arseno, last 0.5' only pyrite
- 139.4 - 144 - silicified, strongly foliated, 1-2% fine arseno + pyrite parallel to foliation
- 144.0 - 153.5 - silicification not as pronounced, 1% fine sulphides
- 153.5 - 158.3 - greywacke, very little alteration or sulphidation
- 158.3 - 160.5 - qtz vein, trace sulphide

160.5 - 163 - weak silicification, trace sulphide
163.0 - 165 - qtz vein, , 1% pyrite
165.0 - 167.5 - extremely silicified, sericitized
167.5 - 176.7 - Quartz vein, a number of narrow slips of sericitized wall rock are included near the vein margins; 1% arseno + pyrite as disseminations and narrow fracture fillings
176.7 - 177.7 - partially bleached and sericitized wall rock, weakly silicified; 2% fine pyrite + arseno parallel to foliation. Foliation to CA - 45
177.7 - 183.5 - partially silicified, <1% fine parallel to foliation; 178.6-179.2 - qtz vein
183.5 - 186.3 - partially silicified and sericitized; up to 40% sericite-rich bands 0.1-0.01' wide. 1-2% fine sulphide (mainly pyrite)
186.3 - 198.7 - Quartz vein, contains 1-1.5% fine disseminated and/or fracture filling sulphide (pyrite + trace arseno)
198.7 - 205.4 - sericitized and silicified wall rock, locally schistose, 1-3% fine sulphides (py+po+ arseno)
205.4 - 208.5 - weakly silicified, minor sericite, trace sulphide

208.5 - 404' Greywacke; in general, relatively unaltered and unmineralized

225.9 - 226.7 - qtz veins-veinlets 40%, barren
238.7 - 1/2" qtz vein @ 60 CA
239.4 - 1" qtz vein sub parallel foliation, minor pyrite
243.0 - 244.5 - narrow zone of silicification, minor pyrite
246.8 - 247.8 - qtz vein, trace arseno
252.5 - bedding and foliation @ 45 CA
262.4 - 1" qtz vein, 80 CA, trace pyrite
274.5 - 1/2" qtz vein, 75 CA, minor pyrite
281.5 - 282.2 - ground core, possibly silicified, minor pyrite
296.0 - 1" qtz vein, 75 CA, minor pyrite
322.0- 25% qtz veinlets over 4", barren
350.8 - 351.4 - 25% narrow qtz veins to 1/2" subparallel foliation, trace pyrite

	361.8 -	1" qtz vein @ 15 CA, minor pyrite
404.0'	End of Hole	W R Lyke

DH # M88-5 Azimuth 328 Dip -50 ; @164' -55 Length - 164'
Location - L36E, 66+40N Date started - October 23, 1988
Claim - P651411, McCowan Tp Date finished - October 24, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 20.5'	Casing
20.5 - 125.5	Greywacke, fine grained, lite to medium grey, minor quartz-epidote veinlets and seams sub-parallel to foliation are common. Foliation to CA generally 25-30
	23.5 - 1.5" porphyry vein @ 40 CA
	25.8 - 1" qtz vein @ 45 CA, and is perpendicular to foliation
	34.0 - 54 epidote-quartz-feldspar veinlets and seams are common - 2-3%
	@ 41' ground core, minor silicification, minor pyrite
	74.0- foliation to CA - 30
	79.6 - 1/2" quartz-epidote seam, minor pyrite
	94.0 -97 start of minor silicification of the wacke as the contact with the diabase is approached
	113.0 -117 moderate silicification, local concentrations of pyrite to 3%
125.5 - 164	Diabase, feldspar phyric to 132'
164	End of Hole

D R Pyke.

DDH # M88-6 Azimuth 328 Dip -50 ; @164' -55 Length - 164'
Location - L36+73E, 66+40N Date started - October 25, 1988
Claim - P651411, McCowan Tp Date finished - October 26, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 22.3'	Casing
22.3 - 50.5	Greywacke,fine to fine-to medium grained, medium grey, strongly foliated, 5% biotite. 2-3% fine (< 3mm) quartz and feldspar fragments are common. Sparse qtz veinlets, rarely >1/2" wide, are sub-parallel to foliation. Locally a flaser-type structure is developed.
50.5 - 50.7	Quartz vein
50.7 - 88.3	Greywacke, as above, but has taken on a somewhat darker hue, and contains more epidote-rich seams; these seams are 0.1"-1.0" wide, contain minor py and/or po, and at first glance ressemble pillow rims, however, obvious quartz clasts confirm the rock is epiclastic
88.3 - 92.3	Diabase, fine grained, feldspar phyric
92.3 - 113.2	Greywacke 94.3 - 95 - epidote veining, associated silicification and sulphidization (2-3%) 96.2 - 1" diabase dikelet 106.0-113.2 - varying degrees of silicification, in general intensifying toward diabase contact. Pyrite 1%
113.2 - 164	Diabase; to 119.5' is fine grained, porphyritic, then rapidly becomes coarser grained and non-phyric.
164	End of Hole

D R Pyke.

DH # M88-7 Azimuth 328 Dip -50 ; @295' -57 Length - 295
Location - L35+92E, 66+95N Date started - October 27, 1988
Claim - P651411, McCowan Tp Date finished - October 29, 1988
Logged by D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 3.0	Casing
3.0 - 44.8	Diabase
44.8 - 46.5	Feldspar porphyry, trace pyrite, foliation to CA 27
	46.1'- 1" qtz vein @ 47 to CA
46.5 - 51.2	Diabase, contact at 28 to CA
51.2 - 52.8	Greywacke, strongly foliated, minor fine pyrite
52.8 - 54.8	Feldspar porphyry, strongly foliated (in part a cataclastic texture); porphyry-sediment contact at 35 to CA and parallel to foliation
54.8 - 160.8	Greywacke; epidotization as narrow veins-seams of epidote is common as a contact metamorphic effect of the adjacent diabase
	60.6' - 1/2" qtz vein @ 45 CA, minor arseno+py
	66.6 - 67.6 strong epidotization and silicification, 1% pyrite
	71.6 - 81.1 epidote as bands sub-parallel to foliation, varying from .05-0.1" and forming 20% of rock; locally 80-90% epidote bands over widths of 2'
	82.1 - 84.9 qtz vein to extremely silicified greywacke, 15-20% epidote imparting strong fabric (foliation); arseno < 1%, trace pyrite
	73.4 - 1/2" qtz vein, minor sulphide (po+py+ trace arseno), trace tourmaline?
	88.7 - 2" feldspar porphyry vein
	101.7 - 102.8 - 15-20% qtz veinlets
	110.5 - 3/4" qtz vein, trace py+arseno
	120.2 - 1.5" qtz vein, 25 CA, trace pyrite
	127.5 - 1/2" qtz vein, 2% pyrite
	134.2 - 1" qtz vein, minor pyrite
	136.0 - 1/2" qtz vein, 45 CA, minor pyrite
	137.4 - 137.8 qtz veining to 1" @ 40 CA, minor pyrite and very fine arseno (<1%)
	139.4 - 140.9 qtz veining (30 CA) to 1" wide and silicification, minor arseno+pyrite
	142.2 - 0.3" qtz vein @45 CA
	143.1 - 1/2" qtz vein @ 45 CA

143.3 - 1/2" qtz vein
143.5 - 1/4 " qtz vein
149.5 - 1" qtz vein, minor arseno
151.8 - 3/4" qtz vein @ 80 CA, trace arseno
154.0 - foliation to CA 28
154.3 - 1/2" qtz vein
156.5 - 157.7 2" qtz vein, 25 CA, moderate silicification, minor pyrite+arseno

162.0 - 197.7 Greywacke; this portion of the core is extensively veined. mineralized, silicified and contains numerous sericitic zones

164.0 - 170 Quartz vein, numerous sericitic slips and augened quartz structures, strongly foliated. Overall vein contains 1-1.5% sulphide (pyrite>arseno), however there are sericitic sections to 1-2" that contain 10%+ sulphide
170.0- 171.6 silicified - sericitized greywacke
171.6- 174.8 qtz vein, sericitic fabric @30 CA
174.8- 179.4 siliicified and moderately sericitized wall rock, 1-2% fine py+arseno, strongly foliated
179.4- 183.5 wacke, only minor pyrite
183.5- 186 largely silicified, in places more akin to qtz veining
186.6- 188 qtz veining, very sericitic 1% fine disseminated arseno+pyrite
188.0- 193 wacke, 15% qtz veinlets, 1-2% fine pyrite+arseno
193.5- 197.7 qtz vein and seicitized and mineralized wall rock extends from 193'-197.7. The sericitic margin contains 8-10% arseno, 1-2% pyrite. The white, sericitic qtz vein contains 2% arseno.

197.7 - 295 Greywacke
207.6- 208.9 qtz vein, minor pyrite, trace arseno

208.9- 211.9 15% irregular small qtz veins-veinlets, minor pyrite and arseno

211.9- 212.8 qtz vein
214.4- 218 20-25% narrow qtz veins-veinlets, silicified, 1% pyrite
218.0- 219 qtz veining,50% sericite, 2% arseno, vein @ 40 CA
225.1- 225.7 qtz vein, 8% arseno - largely in immediate wall rock
226.6- 4" qtz vein, 1-2% arseno, minor pyrite
227.3- 230 20% qtz veining, 1% arseno
234.4- 237.2 20% qtz veining, 1% pyrite, minor arseno
241.5- 1" qtz vein - 40 CA
242.3- 1/2" qtz vein
242.9- 1/2" qtz vein
243.5- 2" qtz vein
248.7- 1.5" qtz vein
258.5 6" qtz vein, minor arseno
264.9- 265.7 qtz vein, minor arseno + sericite
287.5- 295 15-20% narrow qtz veinlets, minor py

295 End of Hole

W R Lyke.

DDH # M88-8 Azimuth 180 Dip -50 ; @454' -54 Length - 454'
Location - L44W, 46+50N Date started - November 9, 1988
Claim - P758386, McCowan Tp Date finished - November 12, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 68.8' Casing

68.8 - 243.2 Greywacke; fine grained, medium-lite grey, 4-7% biotite, moderately foliated; minor qtz veinlets average 10%, with local concentrations to 30%. 1-2% fine pyrite is common

72.8- 75.1 minor silicification and qtz veining 2-4% pyrite, foliation to CA - 45
116.5- 0.1" qtz vein // foliation, barren
124.0- there starts to be a general increase in percentage of qtz veins-veinlets(from 68.8-124' there is 1-2%)
127.5- 130 1-3% arseno+pyrite associated with 15-20% qtz veinlets
131.0- 132.5 minor silicification & 2-3% fine pyrite; 10-15% qtz veinlets
139.5- 140.3 30 % qtz veinlets @ 45 CA, trace pyrite
146.0- 148 25% qtz veinlets, trace pyrite
175.4- 176.7 25-30% qtz veining, trace pyrite
181.2- 183.2 moderate silicification, 3-5% pyrite as disseminations and stringers generally along foliation planes
203.6-203.7 sericited qtz porphyry-tuff? minor py, qtz "phenos" 10%, 2-2.5mm

243.2 -308.5 Greywacke; this general zone contains noteable silicification, sercitization, qtz veining and arseno+pyrit mineralization

243.2- 250 weakly siliified & sericitized, 1/2" seam pyrite
250.4- 257.5 qtz vein, 2% arseno+pyrite, local sericitic seams; the vein itself has been refractured and silicified
257.5- 260 sericitized and silicified wall rock, strongly foliated, 3-4% pyrite, trace arseno
260.0- 266.9 less silicification,strongly foliated 2% purite

266.9- 268.2 silicification-sericitization, 2-3% arseno,lesser pyrite, minor tourmaline
268.2- 273.6 weak silicification, 2% pyrite, tr arseno
273.6- 285 strong foliation, 1-2% pyrite
285.0- 286.5 minor arseno+pyrite
286.5- 301.5 Quartz vein, averages 1-2% arseno+pyrite,locally highly tectonized (cataclastic)
301.5- 303.7 highly silicified-sericitized wall rock, 3% pyrite
306.0- 307 Quartz vein, 1-2% pyrite, numerous sericitic seams, cataclastic texture
307.0- 308.5 silicified-sericitized wall rock - margin of vein

308.5 - 454 Greywacke, qtz-rich, strongly foliated, 1/2% fine pyrite, bedding locally evident,and up to 2' thick, most beds range from 1/4"-1"

344.0 foliation to CA @ 45
450.0 bedding and foliation @ 45 to CA
410.0- 410.5 possible grading giving tops up hole
413.0 qtz fragments to 3-4mm, augen-shaped

454 End of Hole D.R. Lyle.

DDH # M88-9 Azimuth 180 Dip -50 ; @534' -54 Length - 534'
Location - L36W, 49+50N Date started - November 13, 1988
Claim - P758387, McCowan Tp Date finished - November 15, 1988
Logged by - D. R. Pyke Drilled by - Groleau Diamond Drilling

0.0 - 16.4 Casing

16.4 - 319.5 Greywacke; fine-medium grained, medium grey, moderately foliated to massive, local sections containing 15-20% qtz veinlets; background sulphide < 1%

19.8- 20.1 qtz vein
24.0- 24.7 qtz vein, trace pyrite
34.0 foliation to CA - 45
37.5 1/2" qtz vein, subparallel foliation, barren
51.2 qtz vein, 90 to CA, barren
43.3 2" qtz vein, barren
92.0- 107 25% qtz veining varying from 0.1 - 1.0', and commonly 1"-4"; minor arseno @ 92', 94', 98.5', 101' and 106.5'. Locally minor po, and possible trace sphalerite @ 96.6'
173.3- 173.7 qtz vein, 90 CA, barren
193.0 1" qtz vein, 1% arseno+pyrite
230.0- 231 15% qtz veinlets, minor pyrite
271.0 foliation to CA 45
269.7 1" qtz vein, 90 CA
310.0- 314 background sulphide content increases to 1-2% pyrite, generally as fine elongate segregations // foliation

319.5 - 390 Greywacke; general zone of silicification and qtz veining

319.5- 321 silicified wacke, 1-2% pyrite
321.0- 344.4 Quartz vein, averages 1.5-2% arseno and 1/2% pyrite;
325.7-328.5 - seams and pods of arseno, tr sphalerite, massive 2" seam arseno @ 327.2'
344.4- 348.2 silicified-sericitized
348.2- 351.6 Quartz vein, locally sericitic, minor massive pyrite seams to 1/2-1", minor po
353.0- 355.8 Quartz vein

378.0- 390 Quartz vein, @ 379.5-380.5 minor included wacke
Minor silicification of the intervening sediment from 348-390'

390 - 534	Greywacke, fine grained, moderate foliation, minor pyrite	
	412.0-	foliation to CA 45
	423.2- 426	silicified, minor py+po
	435.7- 426.2	qtz vein, minor py+po
	514.0-	foliation to CA 45
534	End of Hole	

D. R Lyke.

554 (as per [illegible]) SEE ATTACHED AMENDMENT.

V
IV
III
McCowan
Mc COWAN Twp.
Mc CREA TWP.
D.T.C. Gravel Pit 540
D.T.C. Gravel Pit 539
Crown
CL7851
CL 7850
T.C. P.L. Corp.
C.N.R.
F. 177872
CL7849
154607
CL7848
CL7848
Mn 392
Gravel Pit 485
Gravel Pit
Wolfe
Montcalm
SRo
11
505
Rw 212
Rw 328
Ratt
1088559
1088560
1088565
1088566
1088558
1088557
1088556
1088555
1088564
1088563
1088575
1088574
1088573
1049375
1049376
1049377
1049380
1049381
1073161
1049355
1049360
1037187
1037188
833851
833850
1014019
1014020
1014021
833849
833848
833847
833846
1088561
1088562
1088570
1088571
1088572
1088569
1088568
1088567
S21857
S23643
S81008
S21856
S23644
S81007
833858
833857
833856
833860
833861
833862
833863
1089015
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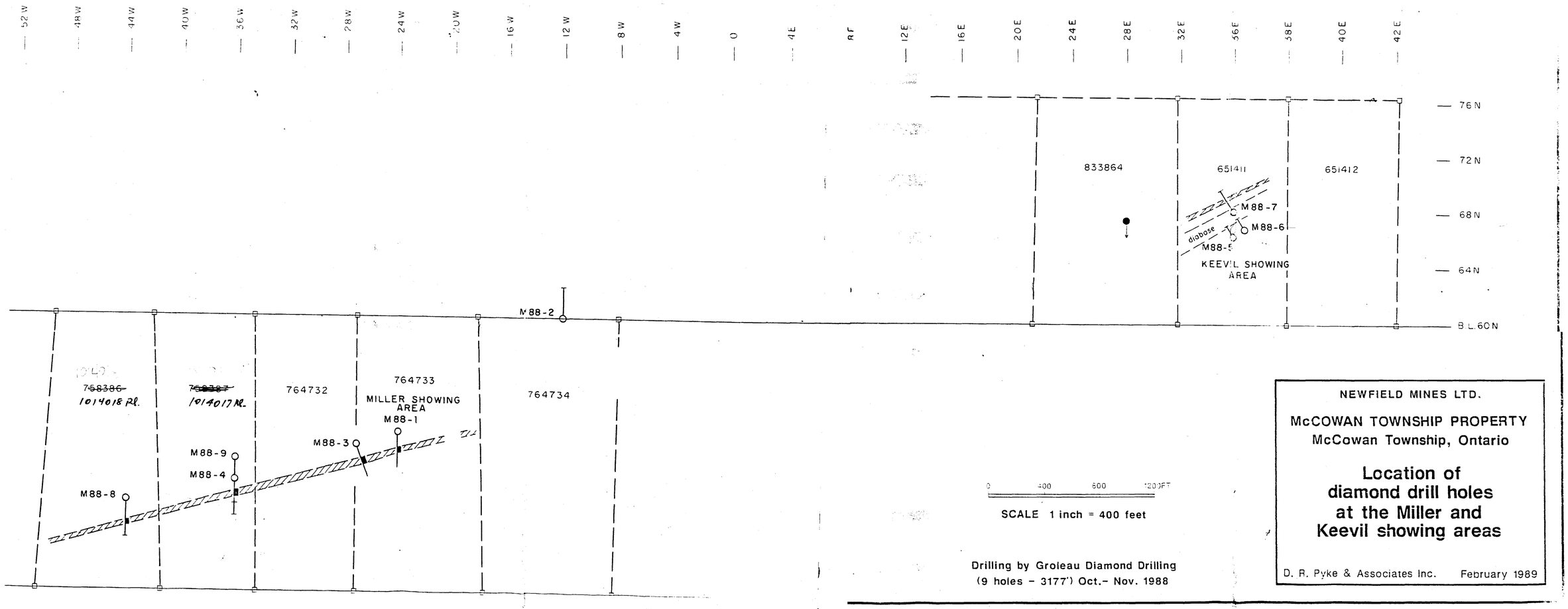
1089013
1089012
1086306
1086307
1086308
1014013
1014014
1014015


52W
48W
44W
40W
36W
32W
28W
24W
20W
16W
12W
8W
4W
0
4E
8E
12E
16E
20E
24E
28E
32E
36E
38E
40E
42E
76N
72N
68N
64N
B.L.60N
758386
1014018 Pl.
758387
1014017 Pl.
764732
764733
MILLER SHOWING AREA
764734
833864
651411
651412
M88-1
M88-2
M88-3
M88-4
M88-5
M88-6
M88-7
M88-8
M88-9
diabase
KEEVIL SHOWING AREA
0
400
800
1200FT
SCALE 1 inch = 400 feet
Drilling by Groleau Diamond Drilling
(9 holes - 3177') Oct.- Nov. 1988
NEWFIELD MINES LTD.
McCOWAN TOWNSHIP PROPERTY
McCowan Township, Ontario
Location of diamond drill holes at the Miller and Keevil showing areas
D. R. Pyke & Associates Inc.
February 1989

Ministry of Northern Development and Mines
Ontario

Report of Work

DOCUMENT No W8906.5

Mining Act

42G10SE0001 10 MCCOWAN

900

W8906-537

Name and Postal Address of Recorded Holder

Robert G. Smith

Prospector's Licence No. M-20696

R.R. #2, Airport Road, Timmins, Ontario, P4N 7C3

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed OK 3197

for Performance of the following work. (Check one only)

- ☐ Manual Work ASPER LOGS
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
	APPENDIX A	40						

All the work was performed on Mining Claim(s): ~~764732~~, 764733, ~~764734~~, ~~758386~~, ~~758387~~ 651411,

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

1014018 1014017

Don Groleau Diamond Drilling

P.O. Box 98, Kapuskasing, Ontario

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE DEC 13 1989 RECEIVED

PORCUPINE MINING DIVISION RECEIVED MAY 12 1989 @ 9:45 am SC

RECORDED MAY 12 1989

* 757 DAYS EXCESS CR. REMAIN.
USED 2440 OF 3197 DAYS

Date of Report	Recorded Holder or Agent (Signature)
March 29, 1989	Robert G. Smith

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

Robert G. Smith

R.R. #2, Airport Road, Timmins, Ont.

Date Certified	Certified by (Signature)
Jan. 30/89	R.G. Smith

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.	Type of equipment		
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	

R. S. Smith
nr 20696

APENDIX "A"

MCCOWAN TOWNSHIP

758768	40 Days	758769	40 Days	758770	40 Days	1014017	40 Days
758771	" "	758772	" "	758773	" "	1014018	" "
758774	" "	758775	" "	651411	" "	1014019	" "
651412	" "	833856	" "	833857	" "	1014020	" "
833858	" "	833859	" "	833860	" "	1014021	" "
833861	" "	833862	" "	833863	" "		
833864	" "	833865	" "	723881	" "		
723882	" "	723883	" "	723884	" "		
723885	" "	723886	" "	723887	" "		
723889	" "	723890	" "	723891	" "		
723892	" "	764732	" "	764733	" "		
764734	" "	764737	" "	764738	" "		
764739	" "	764740	" "	764741	" "		
833836	" "	833837	" "	833838	" "		
833839	" "	833840	" "	833841	" "		
833842	" "	833843	" "	833846	" "		
833847	" "	833848	" "	833849	" "		
833850	" "	833851	" "				
18		18		17		5	

MCCREA TOWNSHIP

1014013 -	40 Days
1014014	" "
1014015	" "

3

61 CLAIMS

above) in duplicate

Don Groleau Diamond Drilling Ltd.

324 GOVERNMENT ROAD, BOX 98 - KAPUSKASING, ONTARIO P5N 2Y1 - (705) 335-4667

WORK SHEET

- Company name : Northland Exploration Ltd.

- Date : June / 1988

- Hole # : 9

- Move from hole # 8 to hole # 9

  time : 2 1/2 hours

- Hole depth : 5-5-4 feet

- Casing & shoe

	2'	5'	10'	shoe
BW	/	/	/	/
NW				

- Testing : / hours

- Cementing : hours

  material used :

Name of company representative : _____

signature : Bruce Raine