42A01SE0047 22 TECK

Diamond Drilling

Township of Teck

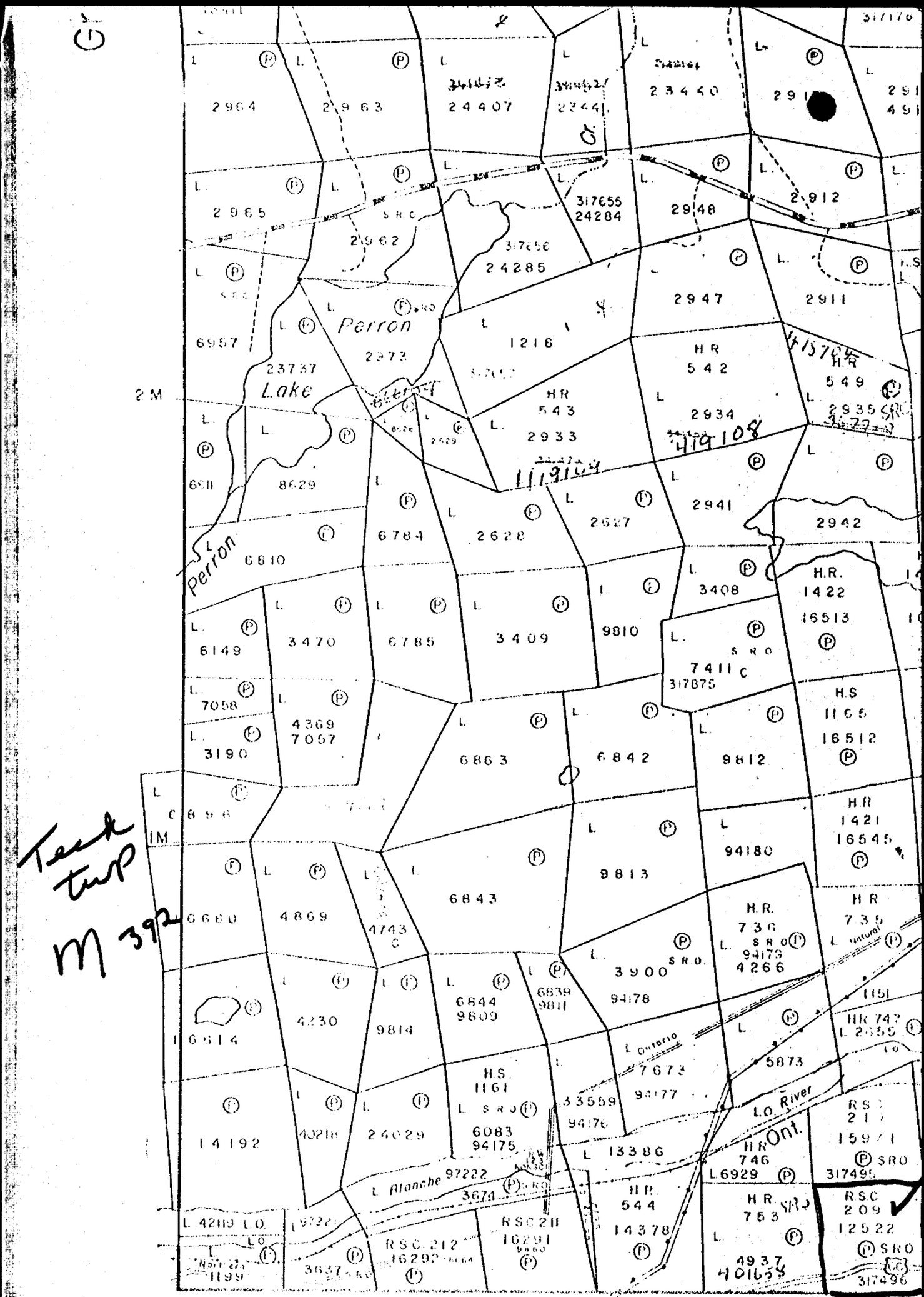
Report Nº: 22

Work performed by: Gateford Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
L 317496	74-A2	311'	Dec/74	(1)
L 317495 6	G75-A3	253'	Jan/75	(2)
	G75-A4	252'	Jan/75	(2)
	G75-A5	255'	Jan/75	(2)
		760		

Notes: (1) #350-74

(2) #40-75



#350-74 TECK TWP.

PROPERTY GATEFORD

HOLE No. 74-A2

Claim 317496 - Teck Township

LOCATION: 200' North & 400 ft. E.

LATITUDE: of #3 Post, L.317496 STRIKE: N 10° W

PAGE No. 1

DEPARTURE: DIP: -45°

ELEVATION: DATE DRILLED: 15-19 December, 1974

PURPOSE: To test S.W. striking fault zone

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
0- 11	CASING			
11- 55	METAVOLCANICS BASIC f.g. generally with minor med. grained sections - Talcose & chloritic, almost schist -35°/core			
55- 92	PORPHYRY x variable textured & coloured purple to flesh coloured to grey - includes few inclusions of metavolcanics - mineralized with coarse to fine pyrite			
	55-58 porphyry, flesh coloured ± 1% fine & coarse py.	2221	3.0	
	58-61 70% porphyry, 30% metavolcanics ± 1% fine & coarse pyrite	2222	3.0	
	61-63 LOST CORE			
	63-65.5 Purple porphyry, coarse pyrite cut by narrow white qtz. stringers	2223	2.5	
	65.5-68 grey to purple, coarse grained scattered py.	2224	2.5	
	68-74 (1' missing) porphyry to 1% pyrite	2225	5.0	
	74-79 Porphyry (1' of volcanics)	2226	5.0	
	79-84 Porphyry flesh to grey, very minor pyrite	2227	5.0	
	84-89 Porphyry flesh coloured to 1% pyrite	2228	5.0	
	89-92 " " " "	2229	3.0	
92-102	COARSELY PORPHYRITIC ZONE pink phenocrysts or fragments in grey ground mass possibly tuff? Upper contact at 30° Lower contact @ 70° A little fine pyrite foliated at approx. 30°/core			
	92-97	2230	5.0	
	97-102 Last 2' cut by white qtz. stringers @ approx. 45°/core	2231	5.0	
102-145	PORPHYRY Pinky flesh coloured brecciated & fractured with random qtz. stringers fine pyrite			
	102-105 ± 1% pyrite	2232	3.0	
	105-108 " " "	2233	3.0	
	108-111 includes volcanic inclusions over 2'	2234	3.0	
	111-114.5 ± 1% pyrite	2235	3.5	
~~102-145~~	114.5-115.5 Metavolcanics dark green basic			
	115.5-118.2 flesh coloured syenite dike fractured, brecciated with fine qtz. stringers fine to 1% pyrite 2" qtz. at top 30°/core Lower contact at 70°	2236	2.7	
	118.2-125 Tuff, syenite fragments? in dark matrix similar to 92-102 appears to be grading into metavolcanics			
	125-139 METAVOLCANICS basic dark f.g. foliated about 30°/core possibly minor tuff and inclusions of syenite possibly dike @130-132; 1335-1345			
	128-132	2237	4.0	
	132-134.5	2238	2.5	
139-162	SYENITE PORPHYRY variable texture & colour purple to			

Parcher E.R. Drilling,

DRILLED BY 34 Nickel St., Cobalt, Ont.

SIGNED L.J. Cunningham, B.Sc., P.Eng.

GATEFORD

PROPERTY Claim 317496

HOLE No. 74-A2 2

LOCATION:

LATITUDE: STRIKE:

DEPARTURE: DIP:

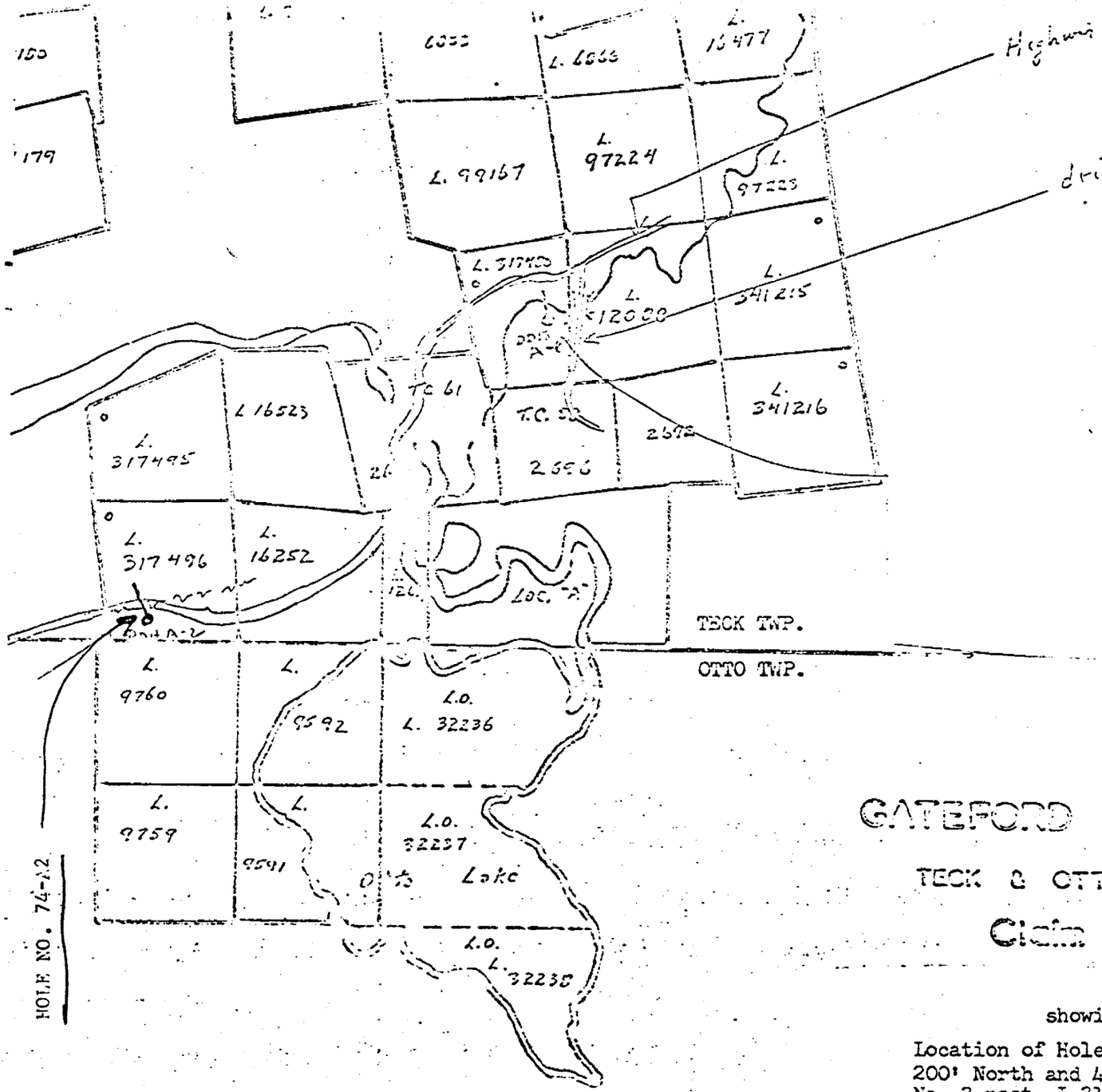
ELEVATION: DATE DRILLED: Dec. 1974

PURPOSE:

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
	grey, med. to f. grained few inclusions of volcanics in part brecciated to 1% fine pyrite			
	139-142.5 Poprhyry with 1o to 1% fine pyrite white qtz. stringers	2239	3.5	
	142.5-146 80% porphyry 20% basic volcanics to 1% f.py	2240	3.5	
	146-149 porphyry fractured white qtz. stringers fine pyrite to 1%	2241	3.0	
	149-152 porphyry with 8" volcanic to 1% fine pyrite	2242	3.0	
	152-157 f.g. purple syenite or possible tuff (syenite fragments in dark matrix)	2243	5.0	
	157-162 same with 2" pink qtz.	2244	5.0	
162-228	METAVOLCANICS TALC-CHLORITE SCHIST f.g. dark green in part brecciated & cut by random qtz. & carb. stringers			
	168-9 Lost Core			
	184-192 cut by dark dense f.g. purplish syenite? dike			
	184-188	2245	4.0	
	188-192	2246	4.0	
228-263	FELSIC ZONE grey, fractured, brecciated, considerable quartz stringers & patches may be a silicified syenite zone? to 1% fine pyrite in part finely foliated & crumpled almost gneissic			
	228-233	2247	5.0	
	233-238	2248	5.0	
	238-243	2249	5.0	
	243-248	2250	5.0	
	248-253	2251	5.0	
	253-258	2252	5.0	
	258-263	2253	5.0	
263-271	grades into FELSIC TUFF TO LAPILLISTONE olive green colour - generally light coloured fragments in olive green matrix			
271-293	dark black to grey zone of crumpled brecciated graphitic? ARGILLITE			
293-311	abrupt change to grey green FELSIC TUFF & LAPILLISTONE grading to breccia white to grey fragments & scattered small black angular fragments of graphitic ARGILLITE			
311	END OF HOLE			

DRILLED BY Parcher Drilling, Cobalt, Ont.

SIGNED



GATEFORD MINES LTD

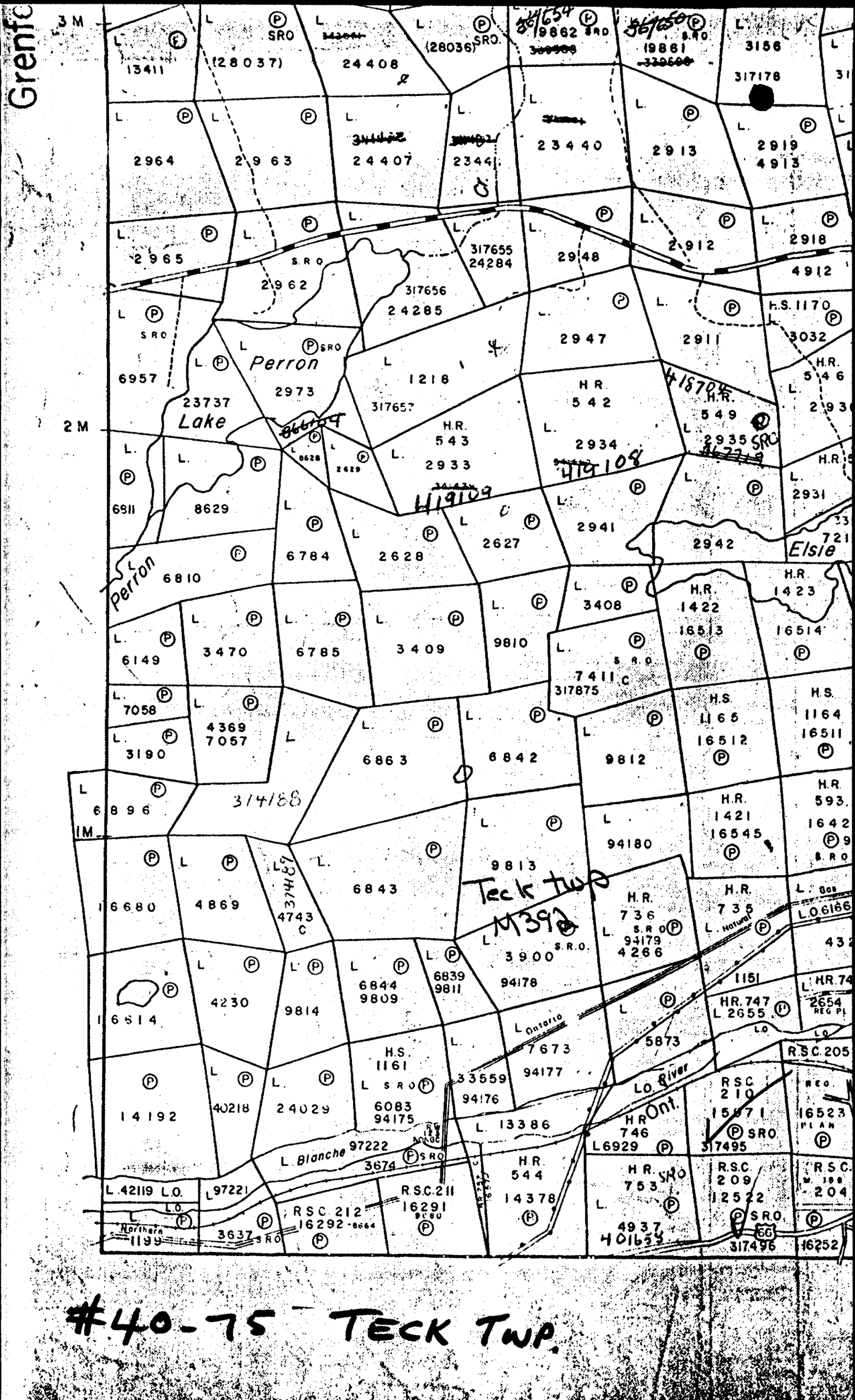
TECK & OTTO TOWNSHIPS

Claim Map

showing

Location of Hole 74-A2
200' North and 400' East of
No. 3 post, L.317496

SCALE:
1 in. = 1320 ft.

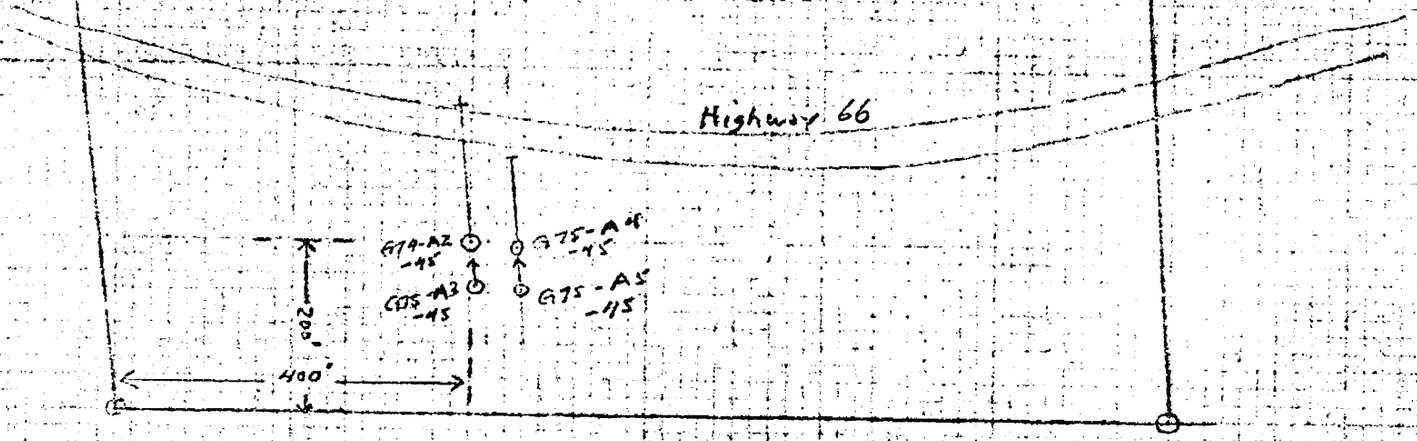


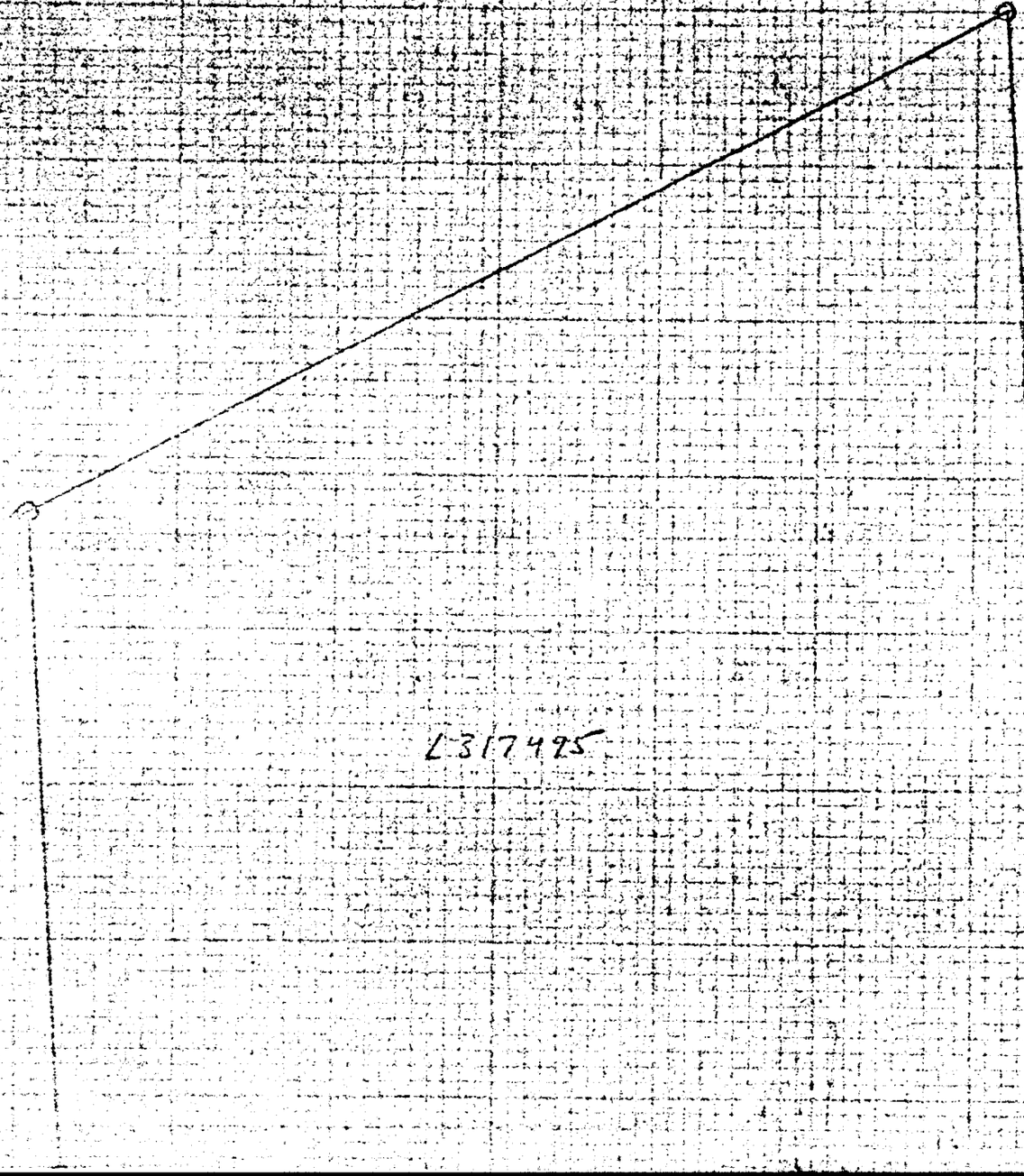
#40-75 — TECK TWP.

L. 317496

Galeford Mines Ltd.
Assessment Drill Plan
1" = 200'

Feb/75 H.G Harper.





N

L317495

REGISTERED PROFESSIONAL ENGINEER
H. G. HARPER
PROVINCE OF ONTARIO

ASSOCIATE
GEOLOGICAL SURVEY OF CANADA
H. G. HARPER
FELLOW

H. G. Harper

PROPERTY GATEFORD MINES

HOLE No. G75-A5

LOCATION:
LATITUDE:
DEPARTURE:
ELEVATION:

STRIKE:
DIP:
DATE DRILLED: 16th-20th January, 1975

PAGE No.

PURPOSE:

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	A VA
0- 2½	CASING			
2½- 41	METAVOLCANICS chloritic, talcy basic ~~volcanics~~ fine grained, dark grey, few qtz. stringers & scattered coarse pyrite			
	22-24 few random carb. qtz. stringers 1% coarse & fine py.	8301	3.0	N/L
41- 46.5	QTZ FELDSPAR PORPHYRY dark, grey brown, med. to fine grained, brecciated, uniformly mineralized with 1-2% fine to coarse py.			
	41-44 fine grained	8302	3.0	N/L
	44-46.5 coarse " + ½" white qtz. 20°/core	8303	2.5	N/L
46.5-49	SYENITE pink, f.g. to 48, sharp contact @ 46.5			
	46.5-49 to 1% pyrite fine	8304	1.5	N/L
49- 53	QTZ FELDSPAR PORPHYRY dark grey to pale pink mineralized, brecciated, variably textured as 41-46.5			
	49-50.5 1" qtz. carb. vein - 45°/core	8305	2.5	N/L
	50.5-53	8306	2.5	N/L
53- 59	INTERMEDIATE LAPILLI TUFF 30° contact @ 53; 45° contact @ 59 dark grey, felsic lapilli are obscure - cut by qtz. veins with silicification & fine pyrite			
	53-56 2% white qtz. & silicification 1% fine py.	8307	3.0	N/L
	56-59 2% " " " 45°/core 1% fine & coarse py.	8308	3.0	N/L
59- 62	SYENITE light to dark grey, fine to porphyritic; cut by qtz. carb. stringers 1% fine py. brecciated			
	59-62	8309	3.0	1005
62- 63	ALTERED SILICEOUS MATERIAL f.g. - 45°/core some qtz. possibly a shear or fracture zone 1% fine py.	8310	1.0	N/L
63- 76	QTZ. FELDSPAR PORPHYRY white phenocrysts in dark matrix, uniform, med. grained, small amount scattered fine pyrite			
	63-67	8311	4.0	N/L
	67-72	8312	5.0	1005
	72-76	8313	4.0	N/L
76-86.5	METAVOLCANICS dark grey, fine to med. gr. includes minor porphyry - around 6%, sheared with hematite streaks along shearing & ½" irregular qtz.			
	84.5-86.5	8314	2.0	N/L
86.5-92	FELDSPAR PORPHYRY dark matrix with whitish & pinkish phenocrysts 1 foot core missing	8315	3.5	N/L
92-105	METAVOLCANICS dark green f.g. siliceous rock cut by numerous stringers accentuated by silicification of the walls			
	92-95 sheared, 60°-70°/core fractured, vuggy & leached fine py. includes 2% brecciated qtz.	8316	3.0	1005
	95-100 little fine py	8317	5.0	N/L
	100-105 only 3½ ft. of core fine py.	8318	3.5	1005

DRILLED BY

SIGNED

L. J. Cunningham, B.Sc., P.Eng.

DATA

LATITUDE :
DEPARTURE:
ELEVATION:

PROPERTY Gateford Mines Ltd

BEARING: North
V.D.
LOCATION: Claim S 17491 - 90' North & 450' E of 3 Post

DIP: -45
H.D.

STARTED:
DRILLED BY:

COMPLETED:

HOLE NO. G75-A5
Sheet 1 of 3
DEPTH: 255
LOGGED BY:

PROPERTY: Hetherford Mines Ltd.

HOLE NO. G75-A3 Sheet 1 of 2

LATITUDE :	BEARING: N 10 W	DIP: -45°	STARTED: Jan 6/75	COMPLETED: Jan 9/75	DEPTH: 253'
DEPARTURE:	V.D.	H.D.	DRILLED BY: AXT		LOGGED BY: Harper
ELEVATION:	LOCATION: Claim 317496 - 150' N + 400' East of No 3 Post.				

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Ozs Au
0-12	Casing				
72	Volcanics - talcose, carbonated, soft, variable in composition & grain size.				
	56-58 lost core				
	also 60-61 & 71-72				
87	Volcanics - purplish tone, quite siliceous in sections - med. gr. hard.	85.1 - 86.8	2265	1.7	NIL
107	Volcanics - talcose as above				
112	Volcanics - purple tone as above, very well mineralized	107 - 112	2266	5.0	NIL
129	Volcanics - altered & variable - several quartzy & purplish sections.	119 - 123.5	2267	4.5	.005
139	QUARTZ VEIN & BRECCIA ZONE	129 - 134	2268	5.0	.005
		134 - 139	2269	5.0	0.11
149	Intrusive - no mineral - possibly highly re-crystallized volcanics				
	½ vein parallel core with post vein faulting	143 - 149.2	2270	1.2	.005
169.8	Quartz Veining, Brecciation in Syenitic sections well mineralized				
		149.4 - 154.4	2271	5.0	NIL
		154.4 - 159	2272	4.6	NIL
		159 - 165	2273	6.0	NIL
		165 - 169.7	2274	4.7	.005
200	Volcanics - med. hard. amphibolitized in part. - extremely variable.				

PROPERTY: Gateford Mines Ltd.

HOLE NO. G 75-A3 Sheet 2 of 2

LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA
200-225	Volcanics - soft & talcy				
253	Volcanics - slightly harder.				
	END OF HOLE				

G 75 A3

A.3			
112-115	METAVOLCANIC soft chloritic dark f.g.	8351	3.0 n.c
115-117.5	" " " " "	8352	2.5 n.c
117.5-118	dark purple syenite with 1% py.	8353	0.5 n.c
118-119.5	METAVOLCANIC soft chloritic	8354	1.5 n.c
139-143	METAVOLCANIC may be AUGITE SYENITE (BASIC SYENITE) probably the latter syenitized speckled appearance uniform (NOTE 3' of core only)	8355	3.0 n.c
142.2-149.4	same as 139143	8356	2.2 n.c
	144.2 - 146.4	8357	3.0 n.c
	146.4-149.4		

H. C. Hoppe

PROPERTY: Gateford Mines Ltd

HOLE NO. G75-A4 Sheet 1 of 2

LATITUDE :	BEARING: North	DIP: -45	STARTED: Jan 10/75	COMPLETED: Jan 13/75
DEPARTURE:	V.D.	H.D.	DRILLED BY: E.R. Porcher Drilling - Cobalt	DEPTH: 252
ELEVATION:	LOCATION: Claim 317496 - 140' N & 450 E of Post		AXT	LOGGED BY: Harper.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Ozs Au
0-14	Casing				
39.6	Altered Volcanics? - abundant cubic py - shearing carbonate stringers	14 - 18.6	2275	4.6	.005
		18.6 - 23.6	2276	5.0	NIL
		23.6 - 27.8	2277	4.2	.005
		27.8 - 32.8	2278	5.0	.005
		32.8 - 39.6	2279	6.8	.005
72	Quartz Vein - Syenite Breccia Zone mineralization is variable, some veins parallel core axis	39.6 - 44	2280	4.4	NIL
		44 - 47	2281	3.0	0.01
	veins // core axis	47 - 48.7	2282	1.7	0.02
		48.7 - 51.1	2283	2.4	0.01
		51.1 - 54	2284	2.9	.005
		54 - 58.5	2285	4.5	.005
	vein				
	Lost Core 58.5 - 59.5				
	good looking material	59.5 - 64.5	2286	5.0	.015
	very good looking - galena?	64.5 - 69	2287	4.5	.005
		69 - 72	2288	3.0	.005
78	Altered Intrusive + Volcanics	72 - 81	2289	3.0	NIL
81	Intrusive? siliceous - py				
109	Intrusive. - extremely variable + volcanic inclusions well digested py	81 - 87	2290	6.0	NIL
		87 - 91.5	2291	4.5	.005
		91.5 - 96.5	2292	5.0	NIL
		96.5 - 101	2293	4.5	NIL

PROPERTY: Gatelord Mines Ltd.

HOLE NO. G75-A4
Sheet 2 of 2

LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz/Au
		101 - 106	2294	5.0	.005
		106 - 109	2295	3.0	NIL
109 - 112	Fault Zone? lost core, cave.				
197	Intrusive - more basic, cse gr. low to neg. py. mineralized	152.7 - 157	2296	4.3	NIL
	Water Course? Fault? oxidized - Bx + vein	180.5 - 185.6	2297	5.1	.005
207	Volcanic or Intrusive - purple tone (Horizon Marker?)				
215	Sheared Volcanics - very talcy, carbonate				
	209 - 210.5 - fault gouge				
252	Volcanics - less shearing, more solid, slightly harder, becoming talcy toward end.				
	END OF HOLE				

G75 A-4

A.4				
72-75	METAVOLCANIC SYENITIZED with 1-2% py.	8358	3.0	NIL
75-78	" "	8359	3.0	NIL
	or maybe basic syenite (augite syenite) probably the latter			
185-190	ALTERED PORPHYRY cut by qtz. stringers	8360	5.0	NIL
190-195	" " " "	8361	5.0	NIL
195-199	" " 2 x ½ qtz. veins & fine py	8362	4.0	NIL
199-202	" " 2 x ½ " " " "	8363	3.0	.005
202-206	3' " "			
	1" chlorite schist within 4" porphyry inclusion	8364	4.0	NIL

H. G. Harpe.

PROPERTY: _____ HOLE No. 075

LOCATION: _____ PAGE No. 2

LATITUDE: _____ STRIKE: _____

DEPARTURE: _____ DIP: _____

ELEVATION: _____ DATE DRILLED: January, 1975

PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH
105-130	QTZ. FELDSPAR PORPHYRY, dark grey, med. grained cut by white qtz. carb. stringers often accompanied by silicification of the walls-a little fine pyrite uniformly throughout. occ. coarse pyrite in slips, few scattered black ferromagnesian inclusions		
	105-110	8319	5.0 n/c
	110-115	8320	5.0 n/c
	115-120	8321	5.0 n/c
	120-125	8322	5.0 n/c
	125-130	8323	5.0 n/c
130-164	QTZ. FELDSPAR PORPHYRY around 130-140 noticeable increase in fracturing, qtz. stringers & silicification with 145-164 broken & fractured brecciated, many qtz. stringers, coarse, silicified, fine grained, light salmon brown FAULT ZONE - 145-164, approx. 45°/core		
	130-135	8324	5.0 n/c
	135-140	8325	5.0 n/c
	140-142.5)	8326	2.5 n/c
	142.5-145) fine	8327	2.5 n/c
	145-147.5) 6.0 pyrite	8328	2.5 n/c
	147.5-150) 1%	8329	2.5 n/c
	150-152.5)	8330	2.5 n/c
	152.5-155) 4' core)	8331	2.5 n/c
	155-157.5) 4' core	8332	2.5 n/c
	157.5-160)	8333	2.5 n/c
	160-164) 2' core	8334	2.0 n/c
164-173	METAVOLCANIC dark grey speckled appearance, med. grained, around 172 becoming f.g. silicified		
173-186	BRECCIATED SYENITE, colour motley, salmon to brown to grey, cut by numerous white qtz. stringers at random angles, also hematite stringers (black specularite) - fine pyrite plus or minus 1%		
	172-175	8335	3.0 n/c
	175-177.5	8336	2.5 6.17
	177.5-180	8337	2.5 .00
	180-183 3.0 core	8338	3.0 .00
	183-186 (5' core)	8339	3.0 .00
186-203	BRECCIATED SYENITE probably continuation of above section but more highly altered, less brecciated, grey-greenish, pale pinkish colour small amt fine pyrite		
	186-190	8340	4.0 .00
	190-195	8341	5.0 .00
	195-200	8342	5.0 .00
	200-203	8343	3.0 n/c
203-226	METAVOLCANICS (TUFFS) sheared or foliated about 45°/core, dark, intermediate		

DRILLED BY _____ SIGNED _____

PROPERTY Gatchford Miller Ltd

LATITUDE : DEPARTURE: ELEVATION:

BEARING: V.D. H.D.

DIP:

STARTED:

COMPLETED:

DRILLED BY:

LOGGED BY:

HOLE NO. G75-A1

DEPTH:

Sheet 2 of 3

LOCATION:

GEOPHYSICAL DATA

PROPERTY: Gefford Mines Ltd.

HOLE NO. G75-A5
Sheet 3 of 3

LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

PURPOSE:

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
	203-215 + or - 30% syenite inclusions			
	203-205.5 metavolcanics	8344	2.5 ft	
	205.5-207.5 80% pink syenite	8345	2.0 ft	
	207.5-211 20% " "	8346	3.5 ft	
	211-215 metavolcanics	8347	4.0 ft	
226-247.5	QTZ. FELDSPAR PORPHYRY dark matrix with scattered whitish phenocrysts around 240, ~~weakly~~ deep reddish in colour and continuing to 247.5			
	237.5-242.5 fine pyrite to 1%	8348	5.0 ft	.01
	242.5-247.5 " " "	8349	5.0 ft	
247.5-255	CHLORITIC SCHIST cut by carbonate stringers with inclusions as follows:			
	249.5-251 brecciated syenite seams of coarse pyrite - + or - 2%	8350	1.5	
	254 4" porphyry dike			
	END OF HOLE			

SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA
FOOTAGE			

PROFESSIONAL ENGINEER MINING ... PROVINCE OF ONTARIO

H. G. Harper