42A01SE0044 24 TECK



# Diamond Drilling

Township of TECK

Report Nº: 24

Work performed by: Gateford Mines Limited

| Claim Nº | Hole Nº | Footage | Date | Note |
|---|---|---|---|---|
| L 317480 | G74-1A | 157' | Dec/74 | (1) |
| L 317496 | G74-2A | 311' | Dec/74 | (1) |
| L 317496 | G75-A3 | 253' | Jan/75 | (1) |
| | G75-A4 | 252' | Jan/75 | (1) |
| | G75-A5 | 255' | Jan/75 | (1) |
| L 2692 | G74-11 | 350' | Nov/74 | (1) |
| | G74-12 | 343' | Nov/74 | (1) |
| L 12088 | G74-14 | 403' | Nov/74 | (1) |

1324

Notes: (1) FOR MORE INFORMATION SEE FILE #63.3277 MEAP CONTRACT KL-72

| | | | | | |
|---|---|---|---|---|---|
| Teck Township | PROPERTY: Gatefford Mines Ltd. | | | | HOLE NO. G74-1A Sheet 1 of 2 |
| LATITUDE: L 0+27 SW | BEARING: North | DIP: -45° | STARTED: Dec 4/74 | COMPLETED: Dec 10/74 | |
| DEPARTURE: 4+10 N | V.D. | H.D. | DRILLED BY: E.R. Porcher Drilling - Cobalt | | DEPTH: 157 |
| ELEVATION: | LOCATION: Claim L 317480 - 80' northwest of # 2 Post | | | AXT | LOGGED BY: Harper. |

| FOOTAGE | | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA Oz/Au |
|---|---|---|---|---|---|
| 0 - 16 | Casing | | | | |
| 21 | Broken Ground - altered siliceous, veined pyrite | | | | |
| | only 3½' of core over 5 feet | 16 - 21 | 2153 | 5.0 | NIL |
| 47.5 | Green Carbonate Zone - veined, low mineral | | | | |
| | variable core recovery | | | | |
| | Qtz Vein - brecciated, very silic, minor opy $MoS_2$ | 21 - 25.3 | 2154 | 4.3 | POOR |
| | 25.3' - water seam | 25.3 - 30 | 2155 | 4.7 | NIL |
| | 36' - rusty water seam | 30 - 35 | 2156 | 5.0 | NIL |
| | | 35 - 38 | 2157 | 3.0 | NIL |
| | | 38 - 44 | 2158 | 6.0 | NIL |
| | | 44 - 47.5 | 2159 | 3.5 | NIL |
| 71 | Pink Syenite - highly siliceous, py, qtz veinlets | 47.5 - 51 | 2160 | 3.5 | NIL |
| | py BX, dark streaks | 51 - 56 | 2161 | 5.0 | NIL |
| | BX - well mineralized, lost core in green carb | 56 - 61.6 | 2162 | 5.6 | NIL |
| | as above | 61.6 - 67 | 2163 | 5.4 | NIL |
| | fault zone? BX - lost core | 67 - 71 | 2164 | 4.0 | NIL |
| 86 | Green Carbonate Sect$^n$ - fault? | 71 - 72 | 2165 | 1.0 | NIL |
| | | 72 - 76 | 2166 | 4.0 | NIL |
| | increasing carbonate content | 76 - 80.5 | 2167 | 4.5 | NIL |
| | green carbonate + talc zone | 80.5 - 86 | 2168 | 5.5 | NIL |
| 126.8 | Talc - Carbonate Zone - soft black, irregular | | | | |
| | poor veining - neg mineral | | | | |
| | 99 - 101.5 Bx Zone - pink qtz vein | 99 - 101.5 | 2169 | 2.5 | NIL |

| PROPERTY: Gateford Mines Ltd | | | | HOLE NO. G74-1A Sheet 2 of 2 |
|---|---|---|---|---|
| LATITUDE : | BEARING: | DIP: | STARTED: | COMPLETED: | DEPTH: |
| DEPARTURE: | V.D. | H.D. | DRILLED BY: | | LOGGED BY: |
| ELEVATION: | LOCATION: | | | | |

| FOOTAGE | | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA Cu Au |
|---|---|---|---|---|---|
| 126.8 - 128.5 | Syenite + veining | 126.8 - 129.5 | 2170 | 2.7 | NIL |
| 134.5 | Carbone & Greenstone mixture | | | | |
| 153.5 | Altered Basic Syenite | 134.5 - 138 | 2171 | 3.5 | NIL |
| | | 138 - 142.5 | 2172 | 4.5 | NIL |
| | | 142.5 - 148 | 2173 | 5.5 | NIL |
| | | 148 - 153.5 | 2174 | 5.5 | NIL |
| 157 | Altered Dark Rock - possibly carbonated lava | | | | |
| | END OF HOLE | | | | |

REGISTERED PROFESSIONAL ENGINEER MINING H. G. HARPER PROVINCE OF ONTARIO

GEOLOGICAL ASSOCIATION OF CANADA FELLOW

H. G. Harper

PROPERTY GATEFORD

Claim 317496 - Teck Township

LOCATION: 200' North & 400' E of #3 Post, L.317496

LATITUDE:

DEPARTURE:

ELEVATION:

STRIKE: N 10° W

DIP: -45°

DATE DRILLED: 15-19 December, 1974

PURPOSE: To test S.W. striking fault zone

HOLE No. 74-A2

PAGE No. 1

| 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 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 | .005 |
| | 58-61 70% porphyry, 30% metavolcanics ± 1% fine & coarse pyrite | 2222 | 3.0 | .005 |
| | 61-63 LOST CORE | | | |
| | 63-65.5 Purple porphyry, coarse pyrite cut by narrow white qtx. stringers | 2223 | 2.5 | |
| | | 2224 | 2.5 | |
| | 65.5-68 grey to purple, coarse grained scattered py. | 2225 | 5.0 | |
| | 68-74 (1' missing) porphyry to 1% pyrite | 2226 | 5.0 | |
| | 74-79 Porphyry (1' of volcanics) | 2227 | 5.0 | .005 |
| | 79-84 " flesh to grey, very minor pyrite | 2228 | 5.0 | |
| | 84-89 " flesh coloured to 1% pyrite | 2229 | 3.0 | |
| | 89-92 " " " " | | | |
| 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 | |
| 102-114.5 | PORPHYRY Pinky flesh coloured brecciated & fractured with random qtz. stringers fine pyrite | | | |
| | 102-105 to 1% pyrite | 2232 | 3.0 | .005 |
| | 105-108 " " | 2233 | 3.0 | .005 |
| | 108-111 includes volcanic inclusions over 2' | 2234 | 3.0 | [redacted] |
| | 111-114.5 to 1% pyrite | 2235 | 3.5 | |
| 114.5-115.5 | METAVOLCANICS dark green basic | | | |
| 115.5-118.2 | flesh coloured SYENITE DIKE fractured, brecciated with fine qtx. stringers fine to 1% pyrite 2" qtz. at top 30°/core Lower contact at 70° | 2236 | 2.7 | .01 |
| 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; 133.5-134.5 | | | |
| | 128-132 | 2237 | 4.0 | NIL |
| | 132-134.5 | 2238 | 2.5 | NIL |
| 139-162 | SYENITE PORPHYRY variable texture & colour purple to | | | |

DRILLED BY: Parcher E.R. Drilling, 34 Nickel St., Cobalt, Ont.

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

LATITUDE : DEPARTURE : FOOT AGE : ELEV :

PROPERTY Gatefford Mines Ltd.

BEARING: DIP: STARTED: COMPLETED:

HOLE NO. G74-A2 Sheet 1 of 3

DATA RECORDED BY: 311

PROPERTY GATEFORD

Claim 317496

HOLE No. 74-A2

2

LOCATION:

LATITUDE: STRIKE:

DEPARTURE: DIP:

ELEVATION: DATE DRILLED: Dec. 1974

PURPOSE:

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | AS VA |
|---|---|---|---|---|
| | grey, med. to f. grained few inclusions of volcanics in part brecciated to 1% fine pyrite | | | |
| | 139-142.5 Poprhyry with to 1% fine pyrite white qtz. stringers | 2239 | 3.5 | .005 |
| | 142.5-146 80% porphyry 20% basic volcanics to 1% f.py | 2240 | 3.5 | .005 |
| | 146-149 porphyry fractured white qtz. stringers fine pyrite to 1% | 2241 | 3.0 | NIL |
| | 149-152 porphyry with 8" volcanic to 1% fine pyrite | 2242 | 3.0 | NIL |
| | 152-157 f.g. purple syeniteoor possible tuff (syenite fragemtns in dark matrix) | 2243 | 5.0 | NIL |
| | 157-162 same with 2" pink qtz. | 2244 | 5.0 | NIL |
| 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 | NIL |
| | 188-192 | 2246 | 4.0 | NIL |
| 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 | NIL |
| | 233-238 | 2248 | 5.0 | NIL |
| | 238-243 | 2249 | 5.0 | .005 |
| | 243-248 | 2250 | 5.0 | .005 |
| | 248-253 | 2251 | 5.0 | .005 |
| | 253-258 | 2252 | 5.0 | NIL |
| | 258-263 | 2253 | 5.0 | .005 |
| 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

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

PROPERTY Gatefford Mines Ltd.

HOLE NO. G 74-A2 Sheet 2 of 3

LATITUDE :

DEPARTURE:

ELEVA

FOOTA

V.D.

BEARING:

H.D.

DIP:

DRILLED BY:

STARTED:

COMPLETED:

DEPTH:

SAMPLED BY:

DATA

PROPERTY GATEFORD

HOLE No. 74-A2

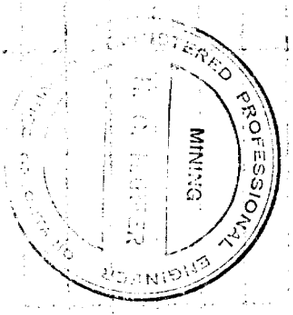
PAGE No. 3

LOCATION:
LATITUDE:
DEPARTURE:
ELEVATION:

STRIKE:
DIP:
DATE DRILLED: 3rd January, 1975

PURPOSE: ADDITIONAL SAMPLING

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | AI VA |
|---|---|---|---|---|
| 118.2-121.8 | TUFF? Pink fragments in green groundmass cut by white qtz. stringers | 2254 | 3.6 | MIC |
| 121.8-124.8 | same | 2255 | 3.0 | MIC |
| 124.8-128 | 1% coarse pyrite | 2256 | 3.2 | MIC |
| 114.5-115.5 | BASIC VOLCANICS | 2257 | 1.0 | MIC |
| 97-99 | should have been part of #2231 containing hairy hematite streaks and 3 x 1/8 qtz. stringers | 2258 | 2.0 | MIC |
| 134.5-136) | BASIC VOLCANICS 6" siliceous section | 2259 | 1.5 | MIC |
| 136-139 ) | | 2260 | 3.0 | MIC |
| 162-167 | 2 x 1" fine syenite dikes fine py. | 2261 | 5.0 | DOLS |
| 167-172 | TALCOSE schisted | 2262 | 5.0 | MIC |
| 232-233 | (part of 2247 | 2263 | 1.0 | MIC |
| 263-267 | Brecciated siliceous zone small pods of pyrite<br>" fragments of carbonaceous argillite | 2264 | 4.0 | MIC |







DRILLED BY

SIGNED

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

LATITUDE : DEPARTURE : ELEVATION : FOOTAGE

PROPERTY

BEARING: V.D.

DIP: H.D.

STARTED:

DRILLED BY:

COMPLETED:

DEPTH:

LOGGED BY:

DATA

HOLE NO. G 74-A2
Sheet 3 of 3

| | | | | |
|---|---|---|---|---|
| PROPERTY: Getsford Mines Ltd. | | | | HOLE NO. GTS-A3 |
| LATITUDE : | BEARING: N 10 W | DIP: -45° | STARTED: Jan 6/75 | COMPLETED: Jan 9/75 | Sheet 1 of 2 |
| DEPARTURE: | V.D. | H.D. | DRILLED BY: | | DEPTH: 253' |
| ELEVATION: | LOCATION: Claim 317496 - 150' N & 400' E of No 3 Post. | | | AXT | LOGGED BY: Harper |

| FOOTAGE | | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA oz/Au |
|---|---|---|---|---|---|
| 0-12 | Casing | | | | |
| 72 | Volcanics - talcose, carbonated, soft, variable in composition & grain size. | | | | |
| | 56-58 lost core | | | | |
| | also 60-61 & 71-72 | | | | |
| 77 | Volcanics - purplish tone, quite siliceous in sections - med. gr. hard. | 25.1 - 26.2 | 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 quartz & 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 section 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 | | | | |
| 225-253 | Volcanics - slightly harder. | | | | |
| | END OF HOLE | | | | |

G 75 A3

| | | | |
|---|---|---|---|
| A.3 | | | |
| 112-115 | METAVOLCANIC soft chloritic dark f.g. | 8351 | 3.0 ft |
| 115-117.5 | " " " " " | 8352 | 2.5 ft |
| 117.5-118 | dark purple syenite with 1% py. | 8353 | 0.5 ft |
| 118-119.5 | METAVOLCANIC soft chloritic | 8354 | 1.5 ft |
| 139-143 | METAVOLCANIC may be AUGITE SYENITE (BASIC SYENITE) probably the latter syenitized speckled appearance uniform (NOTE 3' of core only) | 8355 | 3.0 ft |
| 1422-149.4 | same as 139143 | | |
| | 144.2 - 146.4 | 8356 | 2.2 ft |
| | 146.4-149.4 | 8357 | 3.0 ft |

REGISTERED PROFESSIONAL ENGINEER MINING H. C. HARTER PROVINCE OF ONTARIO

GEOLOGICAL ASSOCIATION FELLOW

H. G. Harper

| | | | | | |
|---|---|---|---|---|---|
| PROPERTY: Geteford 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. Bracher Drilling - Cobalt | | DEPTH: 252 |
| ELEVATION: | LOCATION: Claim 317496 - 140' N & 450 E of # 3 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 | 14 - 18.6 | 2275 | 4.6 | .005 |
| | carbonate stringers | 18.6 - 23.6 | 2276 | 5.0 | NIL |
| | | 23.6 - 27.8 | 2277 | 4.2 | .005 |
| | | 27.8 - 32.8 | 2278 | 5.0 | .001 |
| | | 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 |
| | vein | 54 - 58.5 | 2285 | 4.5 | .005 |
| | 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 | | | | |
| 81 | Intrusive? siliceous - py | 78 - 81 | 2289 | 3.0 | NIL |
| 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: Gateford Mines Ltd.

HOLE NO. G75-A4
Sheet 2 of 2

| | | | | |
|---|---|---|---|---|
| LATITUDE : | BEARING: | DIP: | STARTED: | COMPLETED: |
| DEPARTURE: | V.D. | H.D. | DRILLED BY: | |
| ELEVATION: | LOCATION: | | | |

DEPTH:

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, core | | | | |
| 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 | | | | |

## G 75 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 | .005 |
| 199 – 202 | " " 2 x ½ " " " " | 8363 | 3.0 | .005 |
| 202 – 206 | 3° " " | | | |
| | 1" chlorite schist within 4" porphyry inclusion | 8364 | 4.0 | NIL |

ONTARIO PROFESSIONAL ENGINEER
MINING
H. C. HERPER
PROVINCE OF ONTARIO

GEOLOGICAL ASSOCIATION OF CANADA
FELLOW

H. C. Herper

PROPERTY GATEFORD MINES HOLE No. G75-A5

LOCATION:
LATITUDE: STRIKE: PAGE No.
DEPARTURE: DIP:
ELEVATION: DATE DRILLED: 16th-20th January, 1975

PURPOSE:

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | AU |
|---|---|---|---|---|
| 0- 24 | CASING | | | |
| 24- 41 | METAVOLCANICS chloritic, talcy basic ~~volcanics~~ fine grained, dark gree, few qtz. stringers & scattered coarse pyrite | | | |
| | 31-34 few random carb. qtz. stringers 1% coarse & fine py. | B301 | 3.0' | NIL |
| 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 | B302 | 3.0 | NIL |
| | 44-46.5 coarse " + ½" white qtz. 20°/core | B303 | 2.5 | NIL |
| 46.5-48 | SYENITE pink, f.g. to 48, sharp contact @ 46.5 | | | |
| | 46.5-48 to 1% pyrite fine | B304 | 1.5 | NIL |
| 48- 53 | QTZ FELDSPAR PORPHYRY dark grey to pale pink mineralized, brecciated, variable textured as 41-46.5 | | | |
| | 48-50.5 1" qtz. carb. vein - 45°/core | B305 | 2.5 | NIL |
| | 50.5-53 | B306 | 2.5 | NIL |
| 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. | B307 | 3.0 | NIL |
| | 56-59 2° " " 45°/core 1% fine & coarse py. | B308 | 3.0 | NIL |
| 59- 62 | SYENITE light to dark grey, fine to porphyritic cut by qtz. carb. stringers 1% fine py. brecciated | | | |
| | 59-62 | B309 | 3.0 | .005 |
| 62- 63 | BANDED SILICEOUS MATERIAL f.g. - 45°/core some qtz. possibly a shear or fracture zone 1% fine py. | B310 | 1.0 | NIL |
| 63- 76 | QTZ. FELDSPAR PORPHYRY white phenocrysts in dark matrix, uniform, med. grained, small amount scattered fine pyrite | | | |
| | 63-67 | B311 | 4.0 | NIL |
| | 67-72 | B312 | 5.0 | .005 |
| | 72-76 | B313 | 4.0 | NIL |
| 76-88.5 | METAVOLCANICS dark grey, fine to med. gr. includes minor porphyry around 85. sheared with hematite streaks along shearing & ½" irregular qtz. | | | |
| | 84.5-86.5 | B314 | 2.0 | NIL |
| 88.5-92 | FELDSPAR PORPHYRY dark matrix with whitish & pinkish phenocrysts 1 foot core missing | B315 | 3.5 | NIL |
| 92-105 | METAVOLCANIC? dark dense f.g. siliceous rock cut by numerous stringers accompanied by silicification of the walls | | | |
| | 92-95 sheared, 60°-70°/core fractured, vugy & leached fine py. includes 2" brecciated qtz. | B316 | 3.0 | .005 |
| | 95-100 little fine py | B317 | 5.0 | .01 |
| | 100-105 only 3½ ft. of core fine py. | B318 | 3.5 | .006 |

DRILLED BY

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

DATA

PROPERTY Gateford Mines Ltd
LATITUDE : BEARING: North
DEPARTURE: V.D.
ELEVATION: LOCATION: Claim 31498 - 20' North & 450' E & 3 Post
H.D. DIP: -45
DRILLED BY: STARTED:
COMPLETED:
HOLE NO. G75-A5
DEPTH: 235
LOGGED BY:
Sheet 1 of 3

PROPERTY:

HOLE No. 075

PAGE No. 2

LOCATION:
LATITUDE:
DEPARTURE:
ELEVATION:

STRIKE:
DIP:
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 nil |
| | 110-115 | 8320 | 5.0 nil |
| | 115-120 | 8321 | 5.0 nil |
| | 120-125 | 8322 | 5.0 nil |
| | 125-130 | 8323 | 5.0 nil |
| 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 nil |
| | 135-140 | 8325 | 5.0 nil |
| | 140-142.5 ) | 8326 | 2.5 nil |
| | 142.5-145 ) fine | 8327 | 2.5 nil |
| | 145-147.5) 6.0 pyrite | 8328 | 2.5 nil |
| | 147.5-150) ) 1% | 8329 | 2.5 nil |
| | 150-152.5 ) 4' core ) | 8330 | 2.5 nil |
| | 152.5-155 ) | 8331 | 2.5 nil |
| | 155-157.5) 4' core | 8332 | 2.5 nil |
| | 157.5-160) | 8333 | 2.5 nil |
| | 160-164) 2' core | 8334 | 2.0 nil |
| 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 [illegible] |
| | 175-177.5 | 8336 | 2.[illegible] |
| | 177.5-180 | 8337 | 2.5 [illegible] |
| | 180-183 3.0 core | 8338 | 3.0 .00[illegible] |
| | 183-186 (5' core) | 8339 | 3.0 .00[illegible] |
| 186-203 | BRECCIATED SYENITE probably continuation of above section but more highly altered, less brecciated, grey-greenish, pale pinkish colour small am't fine pyrite | | |
| | 186-190 | 8340 | 4.0 .00[illegible] |
| | 190-195 | 8341 | 5.0 .00[illegible] |
| | 195-200 | 8342 | 5.0 .00[illegible] |
| | 200-203 | 8343 | 3.0 nil |
| 203-226 | METAVOLCANICS (TUFFS) sheared or foliated about 45°/core, dark, intermediate | | |

DRILLED BY

SIGNED

GEOLOGY DATA

FOOTAGE

ELEVATION:
DEPARTURE:
LATITUDE :

LOCATION:
V.D.
BEARING:

H.D.
DIP:

DRILLED BY:
STARTED:

COMPLETED:

LOGGED BY:
DEPTH:

PROPERTY: Gatcford Miner Ltd.

HOLE NO. G75-A1
Sheet 2 of 3

PROPERTY: Gateford Miner 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 | |
| | 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 | | | |

| FOOTAGE | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA |
|---|---|---|---|---|

REGISTERED PROFESSIONAL ENGINEER
MINING
H. C. HARPER
PROVINCE OF ONTARIO

GEOLOGICAL ASSOCIATION
P.C. BARKER

H. C. Harper

PROPERTY Gifford

HOLE No. G74-11

PAGE No. 1/6

STRIKE:

DIP:

DATE DRILLED Completed - 15 Nov/74

SE:

| DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|
| :ING | | | |
| · Grey Porphyry - fractured with ~~colourless~~ Qtz veins + stringers ~~colouring~~ 15% of core — — fine scattered pyrite | | | |
| 5.5 - 8.5 - fine pyrite | 2044 | 3.0 | NIL |
| 8.5 11.5 | 2045 | 3.0 | NIL |
| 11.5 14.5 | 46 | 3.0 | .005 |
| 14.5 - 17.5 - fine pyrite | 47 | 3.0 | NIL |
| Grey to Pink. fractured porphyry · coarse grained - fine scattered pyrite - | | | |
| 50 - small amount (10% est) fquartz veins + stringers | | | |
| 39-41 - small amt fine pyrite | 2048 | 2.0 | .005 |
| 41-44 - " " " " | 2049 | 3.0 | .005 |
| 44-47 " " " " | 2050 | 3.0 | .005 |
| 47-50 " " " " | 2051 | 3.0 | NIL |
| BASIC - Basic - silicified - cut by Qtz veins - ~~fine pyrite mineralization~~ - both fine & coarse pyrite Mineralization estimated ± 2% | ~~2052~~ | | |
| 69.5 — 71.5 | 2052 | 2.0 | NIL |
| Blackstreak fine Molyg - 71.5 — 73.5 | 2053 | 2.0 | NIL |
| and a little Chalcopyrite | | | |
| Grey to Pink - fractured - coarse grained porphyry - scattered fine pyrite | | | |

SIGNED D. Cunningham

PROPERTY Gifford Mines Ltd

LATITUDE : L 4 N E

DEPARTURE: 4+50 S

ELEVATION: 45° to P. Line

LOCATION:

BEARING: N 60 E

V.D.

DIP: - 60°

H.D.

STARTED:

DRILLED BY: AXT

COMPLETED: Nov 18/74

HOLE NO. G74-11

DEPTH: 350

Sheet 1 of 6

LOGGED BY: D. Cunningham

FOOTAGE

SAMPLE FOOTAGES

SAMPLE No.

WIDTH FT.

ASSAY DATA

PROPERTY: _____ HOLE No. G74-11

LOCATION: _____ PAGE No. 2/6

LATITUDE: _____ STRIKE: _____

DEPARTURE: _____ DIP: _____

ELEVATION: _____ DATE DRILLED: _____

PURPOSE: _____

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| | -fine pyrite - 100.8 - 101.8 | 2054 | 1.0 | .005 |
| 101.8-102.6 | - fine grained dark ~~mafic~~ BASIC dike or volcanic (probably the latter) sharp contacts - few fine quartz stringers 30°/core - fine pyrite 101.8 -102.6 - | 2055 | 0.8 | NIL |
| 102.6 -111.5 | - Pink to Grey - fractured - coarse grained porphyry. 102.6 - 105.6 - Contains several narrow Qtz Brecciated Qtz veins and fine pyrite | 2056 | 3.0 | NIL |
| 111.5 -114.5 | - Grey Quartz Vein 111.5 -114.5. Upper contact - 60°/core Lower contact - 20°/core + sheared - Small amount fine + coarse pyrite - Black wispy streaks + a dark metallic mineral in fine amount - unidentified. - resembles galena | 2057 | 3.0 | .005 |
| 114.5 -123 | Grey to Pink - fractured - coarse grained porphyry 114.5 - 1155 - fractured fine pyrite | 2058 | 1.0 | .005 |
| 123 -125 | - 20% Qtz veins in grey-pink porphyry - a little fine pyrite | 2059 | 2.0 | NIL |
| 125-153 | - Porphyry - Pink to grey - varied texture - coarse to fine - fractured + in places brecciated | | | |

DRILLED BY _____ SIGNED _____

PROPERTY: Hatchford Mines Ltd.

HOLE NO. G74-11 Sheet 2 of 6

DEPTH:

LOGGED BY:

DATA

PROPERTY _____ HOLE No. G74-11

LOCATION: _____ PAGE No. 3/6

LATITUDE: _____ STRIKE: _____

DEPARTURE: _____ DIP: _____

ELEVATION: _____ DATE DRILLED: _____

PURPOSE: _____

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| | 136.5-137.5 - 3/4 & 1/2" $Qt_3$ veins 60°/core. - a little pyrite | 2060 | 1.0 | NIL |
| | 149 - 150.5 - fractured zone - 15% $Qt_3$ - Black wispy streaks in $Qt_3$ - fine & coarse pyrite - inclusions of silicified Volcanics - core suggests a piece missing | 2061 | 1.5 | 0.01 |
| 153 - 161 | BASIC VOLCANICS - altered - cut by Qt $Qt_3$ stringers - contacts - 5°-10°/core - upper contact mineralized with pyrite 153 - 155 - fine pyrite + $Qt_3$ stringers | 2062 | 20 | 0.17 |
| | (X)(Y) (See check sample results in additional low values) | | | |
| 161 - 168.5 | Pink porphyry 166 - 168.5 - fractured - a little fine pyrite + 4" inclusion of Volcanics | 2063 | 2.5 | NIL |
| 168.5 - 174 | BASIC VOLCANICS - partly syenitized | | | |
| 174 - 186 | Pink syenite porphyry with irregular altered BASIC VOLCANIC inclusions - a little scattered fine pyrite. | | | |
| 186 - ~~290~~ 289 | Silicified-altered BASIC VOLCANICS — andesite - grey to green in parts fractured & bleached 199-203 - well fractured - cut by $Qt_3$ veins - altered to grey colour | | | |

DRILLED BY _____ SIGNED _____

PROPERTY: Cadillac Mines Ltd. STARTED: COMPLETED:

REPORT: DIP: DATA

HOLE No. G74-11 Sheet 3 of 6

DEPTH: LOGGED BY:

FOOTAGE

DEPARTURE

LATITUDE

PROPERTY _____ 74-11

HOLE No. _____

LOCATION: _____

LATITUDE: _____ STRIKE: _____

DEPARTURE: _____ DIP: _____

ELEVATION: _____ DATE DRILLED: _____

PAGE No. 4/6

PURPOSE: _____

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| | becomes less altered + fractured around 210. | | | |
| | 186 - 188 - Silicified - cut by Qtz stringers - coarse + fine pyrite | 2064 | 2.0 | NIL |
| | 199 - 207 - altered Bleached - 5% Qtz - little pyrite | 2065 | 2.0 | NIL |
| | 201 - 203 - 25% Qtz - sericitic ~~zone~~ small amt pyrite | 2066 | 2.0 | NIL |
| | - after 210 - fractures contain Quartz + carbonate and are generally 20° to 45°/core - colour varies from BLACK to green - fg. | | | |
| | @ 250 - 4" brown porphyritic dike.? or flow contact material - 45°/Core. Cut by Qtz stringers + fine pyrite | 2067 | 1.0 | NIL |
| | 259 - 264 - altered brecciated epidotized zone - cut by Qtz veins and irregular BLOBS of Qtz - a ~~sil~~ purplish silicification is present in small amount little or no pyrite | 2068 | | |
| | 259 - 261 | ~~2068~~ | 2.0 | NIL |
| | 261 - 264 | ~~2069~~ 2069 | 3.0 | NIL |
| | 268 - 270.5 - Brecciated sericitized section cut by Qtz Stringers - | 2070 | 2.5 | NIL |

DRILLED BY _____ SIGNED _____

LATITUDE : DEPARTURE : ELEVATION : FOOTAGE : DATA

PROPERTY : Gatchford Miners Ltd

BEARING : DIP : STARTED : COMPLETED :

LOGGED BY : TH :

HOLE NO. G 74-11 Sheet 4 of 6

PROPERTY: Gale Ford Mines Ltd

HOLE No. G74-1W

PROPERTY _____

LOCATION: _____

LATITUDE: _____ STRIKE: _____

DEPARTURE: _____ DIP: _____

ELEVATION: _____ DATE DRILLED: _____

PURPOSE: _____

FOOTAGE 74-1

LATITUDE

DEPART.

ELEVAT.

BEARING

PROPERTY

PAGE No. 5/6

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| 289-294 | Pink Syenite Dike - f.g. - fractured some quartz stringers - fine pyrite & scattered coarse pyrite - upper contact - altered - bleached & accompanied by ½ 29 ⅓ | | | |
| | 288 - 289 - ALTERED wallrock of Dike | 2071 | 1.0 | NIL |
| | 289 - 291.5 - Syenite Dike | 2072 | 2.5 | NIL |
| | 291.5 - 294 - " " | 2073 | 2.5 | NIL |
| 294-297 | BASIC VOLCANICS — 294 - 297 | 2074 | 3.0 | NIL |
| | | 2075 | 2.0 | NIL |
| 297-299 | Syenite porphyry dike - little fracturing & little pyrite in QTZ | | | |
| 299-315 | BASIC Syenite - massive dark green - porphyritic - pinkish phenocrysts and small pink inclusions | | | |
| | 305 - ¾" Barren white QTZ - 10° core | | | |
| | 311 - 315 - highly fractured with quartz stringers | 2076 | 4.0 | NIL |
| 315-319.5 | Salmon Pink f.g. Syenite dike - fractured - 5% QTZ - small amt of fine pyrite. | | | |
| | 315 - 317 — | 2077 | 2.0 | NIL |
| | 317 - 319.5 — | 2078 | 2.5 | NIL |
| 319.5-322.5 | BASIC Syenite - | 2079 | 3.0 | NIL |
| 322.5-325 | Salmon Pink f.g. Syenite dike fractured - ±10% QTZ - minor pyrite - | 2080 | 2.5 | NIL |

DRILLED BY _____ SIGNED L.P. Simmonds

ASSAY DATA

LOGGED BY:

DEPTH:

HOLE NO. G74-1W

Sheet 5 of 6

PROPERTY _____ HOLE No. 6.14-11

LOCATION: _____
LATITUDE: _____ STRIKE: _____ PAGE No. 6/6
DEPARTURE: _____ DIP: _____
ELEVATION: _____ DATE DRILLED: _____

PURPOSE: _____

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| 325-327 | altered Volcanics cut by syenite stringer + qtz vein | 2081 | 2.0 | .005 |
| 327-330 | Salmon Pink - fine grained Syenite | | | |
| -334 | Cut by QTZ vein - 57.1 core - fractured - minor pyrite | | | |
| | 327 - 330 | 2082 | 3.0 | NIL |
| | 330 - 334 | 2083 | 4.0 | NIL |
| 334-336 | BASIC VOLCANICS - ALTERED - | 2084 | 2.0 | NIL |
| 336-350 | F.G. Pink - Purple Syenite | | | |
| | first 4'ft cut by few narrow qtz stringers | | | |
| | ~~Balance~~ 340 - 350 - DARKer purplish | | | |
| | Colour - more massive - | | | |
| | 336 - 340 | 2085 | 4.0 | NIL |
| | 340 - 345 | 2086 | 5.0 | NIL |
| | 345 - 350 | 2087 | 5.0 | NIL |
| 350 - end of hole | | | | |

DRILLED BY _____ SIGNED _____

LOGGED BY: _____ DEPTH: _____

DATA

LATITUDE: DEPARTURE: ELEVATION: FOOTAGE:

PROPERTY Golconda Mines Ltd STARTED: COMPLETED:

HOLE NO. G 74-11 Sheet 6 of 6

PROPERTY: Geteford Mines ltd.

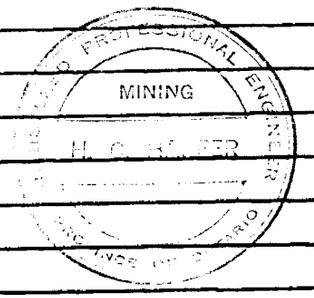
HOLE NO. G74-11
Sheet 7 of 8?

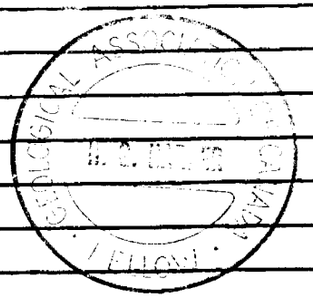
| | | | | |
|---|---|---|---|---|
| LATITUDE : | BEARING: | DIP: | STARTED: | COMPLETED: |
| DEPARTURE: | V.D. | H.D. | DRILLED BY: | DEPTH: |
| ELEVATION: | LOCATION: | | | LOGGED BY: |

| FOOTAGE | Additional Sampling | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA Oz. Au |
|---|---|---|---|---|---|
| | | 17.5 - 25 | 2178 | 7.5 | NIL |
| | | 25 - 30 | 2179 | 5.0 | NIL |
| | | 30 - 35 | 2180 | 5.0 | NIL |
| | | 35 - 39 | 2181 | 4.0 | NIL |
| | | 50 - 54 | 2182 | 4.0 | NIL |
| | | 54 - 58.5 | 2183 | 4.5 | NIL |
| | | 58.5 - 63 | 2184 | 4.5 | NIL |
| | | 63 - 69.5 | 2185 | 6.2 | NIL |
| | | 73.5 - 76.0 | 2186 | 2.5 | NIL |
| | | 76.0 - 81 | 2187 | 5.0 | NIL |
| | | 81 - 85 | 2188 | 4.0 | NIL |
| | | 85 - 90 | 2189 | 5.0 | .005 |
| | | 90 - 95 | 2190 | 5.0 | NIL |
| | | 95 - 100 | 2191 | 5.0 | .005 |
| | | 105.6 - 111.5 | 2192 | 5.9 | NIL |
| | | 115.5 - 123 | 2193 | 7.5 | NIL |
| | | 125 - 129 | 2194 | 4.0 | NIL |
| | | 129 - 136.5 | 2195 | 7.5 | NIL |
| | | 137.5 - 143 | 2196 | 5.5 | NIL |
| | | 143 - 149 | 2197 | 6.0 | .005 |
| | | 150.5 - 153 | 2198 | 2.5 | .005 |
| | | 155 - 158 | 2199 | 3.0 | .02 |
| | | 159.5 - 162.5 | 2200 | 3.0 | .01 |
| | | 162.5 - 166 | 2201 | 3.5 | .005 |

| PROPERTY: Geteford Mines Ltd. | | | | HOLE NO. G74-11 Sheet 8 of 8 |
|---|---|---|---|---|
| LATITUDE : | BEARING: | DIP: | STARTED: COMPLETED: | DEPTH: |
| DEPARTURE: | V.D. | H.D. | DRILLED BY: | LOGGED BY: |
| ELEVATION: | LOCATION: | | | |

| FOOTAGE | Additional Sampling | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA Oz. Au | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 173 - 175.4 | 2202 | 2.4 | NIL | | | | | |
| | | 175.4 - 179.4 | 2203 | 4.0 | NIL | | | | | |
| | | 179.4 - 126 | 2204 | 6.6 | NIL | | | | | |
| | | 254 - 259 | 2205 | 5.0 | NIL | | | | | |



H. G. Hayes.

LATITUDE: 4430 N.F.
DEPARTURE: 4+70 S
ELEVATION: 45° to P. Line
FOOTAGE

PROPERTY: GATEFIELD MINES

HOLE No. 74-12

LOCATION:
LATITUDE:
DEPARTURE:
ELEVATION:

STRIKE:
DIP:
DATE DRILLED:

PAGE No. 1/2

PURPOSE:

BEARING: North
PROPERTY: Gatefield Mines Ltd.
DIP: -45°
STARTED:
COMPLETED:
HOLE NO. 74-12
Sheet 1 of 2
DEPTH: 352'

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| 0- 7 | CASING | | | |
| 7- 12 | BASIC VOLCANIC dark green fine grained | | | |
| 12- 15 | FELDSPAR PORPHYRY DIKE salmon coloured, in part non porphyritic Upper contact 70°/core Lower Contact - broken | | | |
| 15- 25 | ALTERED VOLCANIC dark green, med. grained, partly wyenitized | | | |
| | 23-24 4 x 1/8 qtz. stringers, little pyrite | 2088 | 1.0 | NIL |
| 25- 34 | BASIC SYENITE fine grained, dark purplish colour contacts obscure | | | |
| | 27-28 - fine qtz. fracturing over 4" little py. | 2089 | 1.0 | NIL |
| 34- 43 | BASIC VOLCANIC altered, dark gree, epitotized | | | |
| | 34-36 2" white qtz. 60°/core little py. | 2090 | 2.0 | .005 |
| | 36-37.5 fractured silicified zone cut by qtz. stringers little py. | 2094 | 1.5 | .005 |
| 43- 64 | SYENITE PORPHYRY med. grained, uniform, few Z cm dark ferromagnesian inclusions | | | |
| | 52.5-53.5 ¾" white qtz. 45°/core little py. | 2091 | 1.0 | NIL |
| | 63-65.5 8" white on contact with buff coloured silicified f.g. dike material with ± 1% fine pyrite | 2092 | 2.5 | .005 |
| 64-109 | ALTERED BASIC VOLCANIC epitotized f.g. dark green irregular basic syenite dike at 73-74 | | | |
| | 65.5-68.5 Basic Vol. cut by 4 x ¼"-½" qtz. carb. stringers 45°/core a little fine pyrite | 2093 | 3.0 | NIL |
| | Pink porphyry syenite stringers at 79 & 81 | | | |
| | 83-84 2" white qtz. 30°/core a little buff silicifiction a little pyrite | 2095 | 1.0 | .005 |
| 109-116 | SYENITE PORPHYRY DIKE salmon colour, med. gr. feldspar phenocrysts contacts charp Upper Contact 75-80°/core Lower Contact - broken | | | |
| 116-134.5 | ALTERED BASIC VOLCANIC dark green, fine grained, epitodized | | | |
| | @ 118 - 3" creamy white qtz. 45°/core | | | |
| | ~~134.5-144 SYENITE DIKE, variable textured, fine grained to porphyritic, salmon red, few dark ferromagnesian inclusions around 147-148 Sharp contact ± 70°/core~~ | | | |
| | 134.5-137.0 Brick red to salmon, f.g. a little pyrite | 2096 | 2.5 | NIL |
| | 137-140 qtz. fracturing, a little pyrite | 2097 | 3.0 | NIL |
| | 140-143 " " " " | 2098 | 3.0 | NIL |
| 149.5-161 | ALTERED BASIC VOLCANICS as 116-134.5 | | | |
| 161-211 | ALTERED BASIC VOLCANICS - partly syenitized, green to purple in colour, cut by brick red, f.g. syenite dikes at 160.5-161 - sharp contacts) high | | | |
| | 173-176 " " ) angles | | | |
| | 183.5-185 " " ) to core | | | |
| | 183.5-185 fractured with qtz. stringers and 1" qtz. @ 183.5 | 2099 | 1.5 | NIL |

DRILLED BY

SIGNED

PROPERTY GATEFORD

HOLE No. 74-12

LOCATION:
LATITUDE:
DEPARTURE:
ELEVATION:

STRIKE:
DIP:
DATE DRILLED:

PAGE No. 2/2

PURPOSE:

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| | 195.5-196 2" white qtz. 60°/core | 2100 | 0.5' | NIL |
| | 199 6" flow breccia | | | |
| | 208.5-209 dark purple porphyritic | | | |
| 211-312 | ALTERED BASIC VOLCANIC dark green | | | |
| | 210-216 fractured with qtz-carbonate stringers | | | |
| | 210-212 | 2101 | 2.0 | NIL |
| | 212-214.5 | 2102 | 2.5 | NIL |
| | 214.5-216 2" qtz. & buff silicification little pyrite | 2103 | 1.5 | .005 |
| | 224-225 4" white barren qtz. @ 70°/core | 2104 | 1.0 | .005 |
| | 243-244 2" white qtz. with epidote bands 45°/core | 2105 | 1.0 | NIL |
| | Around 250 becoming highly epidotized massive basic volcanics | | | |
| | 273-274.5 grey qtz. ropy 5°/core wi h silicified buff coloured walls and fine Xline pyrite | 2106 | 1.5 | NIL |
| 312-324 | SYENITE PORPHYRY grey to brown with 6" inclusion of volcanics sharp contacts Upper at 45° lower broken | | | |
| 324-325.4 | BASIC VOLCANICS ALTERED | | | |
| 325.4-326.9 | PORPHYRITIC FRACTURED ZONE with white qtz. to 1/2 wide 10° - 20°/core | 2107 | 1.5 | NIL |
| 326.9-352 | BASIC VOLCANIC altered as above with few irregular qtz. stringers | | | |
| | 333 - 4" porphyry dike | | | |
| | 334 - 1" white qtz. 45°/core | | | |
| | 343-344.6 fractured zone 25% grey to white qtz. 30% to 45°/core a little brown silicification | 2108 | 1.6 | NIL |
| 352 | END OF HOLE | | | |
| | SAMPLES: | | | |
| 284-287.5 | 3.5 1/2" qtz-carb veins 10°-30°/core little pyrite | 2112 | 3.5 | NIL |
| 220-224 | 4" basic vikcabucs few qtz, calcite stringers to ½" | 2109 | 4' | NIL |
| 230-235 | altered silicified volcanics dark f.g. | 2110 | 5' | NIL |
| 230-241 | Silicified f.g. dark | | | |
| 274.5-276.5 | few stringers with fine pyrite in altered basic vol. | 2111 | 2' | NIL |
| 312.5-315 | dark br. feldspar porphyry with vol. inclusion | 2113 | 2.5' | NIL |
| 315-318 | same with ½" white qtz. parallel to core & scattered coarse pyrite | 3114 | 3' | NIL |
| 318-321 | " | 3115 | 3' | NIL |
| 321-324 | " 1/2" irregular qtz. & ¼ creamy qtz. | 3116 | 3' | NIL |
| 326.9-330 | Volcanics with few q. c. fractures | 3117 | 3.1 | NIL |
| 330-333 | " " ½ vein & ¼" vein | 3118 | 3' | NIL |
| 333-336 | 4" brown feldspar porphyry | 3119 | 3' | NIL |
| 336-339 | " | 3120 | 3' | NIL |
| 339-343 | " | 3121 | 4' | NIL |

DRILLED BY

SIGNED

I. J. Cunningham B.Sc. P.Eng

BEARING:
DIP:
STARTED:
COMPLETED:

PROPERTY Gatefford Mines Ltd

HOLE NO. 74-12 Sheet 2 of 2

DATA BY:

PROPERTY: Gatefield Mines Ltd

HOLE NO. G74-12
Sheet 3 of 3

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

| FOOTAGE | Additional Sampling | SAMPLE FOOTAGES | SAMPLE No. | WIDTH FT. | ASSAY DATA Oz/T Au |
|---|---|---|---|---|---|
| | | 12 - 15 | 2206 | 3.0 | NIL |
| | | 79 - 80 | 2207 | 1.0 | NIL |
| | | 109 - 112 | 2208 | 3.0 | NIL |
| | | 112 - 116.5 | 2209 | 4.5 | NIL |
| | | 123.5 - 125 | 2210 | 1.5 | NIL |
| | | 143 - 148 | 2211 | 5.0 | NIL |
| | | 148 - 150 | 2212 | 2.0 | NIL |
| | | 166 - 167 | 2213 | 1.0 | NIL |
| | | ~~167~~ - | | | |
| | | 172.5 - 175.5 | 2214 | 3.0 | NIL |
| | | 185 - 190 | 2215 | 5.0 | NIL |
| | | 190 - 195.5 | 2216 | 5.0 | NIL |
| | | 195.5 - 199.6 | 2217 | 4.1 | NIL |
| | | 201 - 205 | 2218 | 4.0 | .005 |
| | | 205 - 208.6 | 2219 | 3.6 | NIL |
| | | 208.6 - 210 | 2220 | 1.4 | NIL |

REGISTERED PROFESSIONAL ENGINEER MINING H. G. HARPER PROVINCE OF ONTARIO

GEOLOGICAL ASSOCIATION OF CANADA H. G. HARPER FELLOW

H. G. Harper

PROPERTY GATEFORD

HOLE No. 74-14

LOCATION: 113' south of Sta 1 & 50 S on L8 NE

LATITUDE: _____ STRIKE: south

DEPARTURE: _____ DIP: collar 45°

ELEVATION: _____ DATE DRILLED: 27th Nov. 4 Dec. 1974

PAGE No. 1

PURPOSE: To test area east of Hole 74-6

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH |
|---|---|---|---|
| 0- 14 | CASING | | |
| 14- 54.5 | DARK GREY QTZ FELDSPAR PORPHYRY dense phenocrysts med. grained uniform, cut by few qtz. ~~xxxxx~~ veins as follows: | | |
| | 16.5-19 6 x 1/8" qtz. stringers approx. 45°/core | 2122 NIL | 2.5 |
| | 28-31.5 4 x ¼ to ½" qtz. veins at 30°/core | 2123 NIL | 3.5 |
| | 44.5-47.5 minor amount 1/8" qtz. stringers @ random angle | 2124 NIL | 3.0 |
| | 47.5-50.5 4" white qtz. - 20°/core coarse & fine pyrite ± 1% | 2125 NIL | 3.0 |
| | 50.5-53 fine qtz. fracturing random angle fine py. ± 1% | 2126 NIL | 2.5 |
| | 53-55 contact area, a few qtz. fractures a small amount fine pyrite | 2127 NIL | 2.0 |
| 54.5-74.5 | ALTERED BASIC VOLCANIC in part silicified, f.g., dark to black | | |
| | 64-65.5 6" zone of fracturing, brecciation, silicification and qtz. fracturing - 30°/core coarse pyrite ± 2% brown alteration | 2128 NIL | 1.5 |
| | 65.5-70 fracturing, scattered coarse py ± 1% only 3 ft. of core | 2129 NIL | 3.0 |
| 74.5-79 | BASIC SYENITE dark grey rock, f.g. uniform with scattered shadowy inclusions to 1 cm size | | |
| | 78-81 ¼ qtz. calcite & few stringers and a little coarse pyrite | 2130 NIL | 3.0 |
| | 81-83.4 few stringers a little coarse pyrite | 2131 NIL | 2.4 |
| 70-149.5 | ALTERED BASIC VOLCANIC fine grained, grey green to black in part silicified in part epidotized | | |
| 149.5 - | ~~xxxx~~ LIGHT GREY FELDSPAR PORPHYRY with small 1 cm. sparse scattered feldspar phenocrysts and many black shadowy inclusions of less than 1 cm size usually accompanied by a speck of pyrite results in a salt & pepper appearance chilled brownish contact @ 60°/core at 149.5 | | |
| | 149.5 - 152 to 1% fine scattered pyrite | 2132 NIL | 2.5 |
| | 152-154 to .05% " " " | 2133 NIL | 2.0 |

DRILLED BY _____ SIGNED _____

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

PROPERTY Gateford Mines Ltd.

HOLE NO. G74-14

LATITUDE : L8NE

DEPARTURE: 1+50S - Turn E.

ELEVATION:

LOCATION:

BEARING: South

DIP: -45

STARTED:

DRILLED BY:

COMPLETED:

LOGGED BY:

DEPTH:

Sheet 1

H.D. N.D. 45° to South - adjust E.D. 13'

PROPERTY GATEFORD

HOLE No. 74-14

LOCATION:

LATITUDE: STRIKE:

DEPARTURE: DIP:

ELEVATION: DATE DRILLED: December, 1974

PAGE No. 2

PURPOSE: To test area east of hole 74-6

| FOOTAGE | DESCRIPTION | SAMPLE NO. | WIDTH | ASSAY VALUE |
|---|---|---|---|---|
| 149.5-166 | 159-162 altered porphyry fractured with qtz. fine pyrite 2" fractured zone | 2134 | 3.0 | NIL |
| | 162-164 altered porphyry fine pyrite | 2135 | 2.0 | NIL |
| | 164-166 altered basic volcanic qtz. fr. | 2136 | 2.0 | NIL |
| 166-290 | BASIC VOLCANICS, f.g. dark green, altered, in part silicified, fractured, epidotized in part | | | |
| | 203-206 fractured & a ½" calcite fr. | 2137 | 3.0 | NIL |
| | 218-220.5 coarse py. in 1/8" fracture and 1/2 bl. qtz. vein @ 70°/core | 2138 | 2.5 | NIL |
| | 220.5-222.5 1/4 bl. qtz. vein with coarse py | 2139 | 2.0 | NIL |
| | 246-249 fine hair like fractures a little qtz. | 2140 | 3.0 | NIL |
| | 249-252 small amount irregular fracturing | 2141 | 3.0 | NIL |
| | 276-282 highly epidotized | | | |
| | 279-281 fractured, a little qtz. & a little py. | 2142 | 2.0 | NIL |
| | 281-283 " 3/4" qtz.-carbonate & some coarse pyrite | 2143 | 2.0 | TRACE |
| | 285-287 3/4" white qtz. & carb. fracturing over 1" @ 20°/core | 2144 | 2.0 | NIL |
| 290-325 | SILICIFIED lighter in colour a little scattered coarse pyrite | | | |
| | 318-320 ½" qtz.-carb. 10°-20°/core light grey-green | 2145 | 2.0 | NIL |
| | 320-322 1" white milky qtz. 10°/core a little fine py. in wall | 2146 | 2.0 | NIL |
| | 322-325 silicified, grey green to 1% fine py. ½" irregular qtz.carb. fracturing @ 20°/core | 2147 | 3.0 | NIL |
| 325-330 | FELSIC TUFF few lcm. fragments and one fragment to 2.5 cm. roughly banded - 20°/core | | | |
| 330-403 | ALTERED BASIC VOLCANICS f.g. black to dark green epidotized contact 20° - 30°/core | | | |
| | 340-342 ½" dark qtz. 10°/core & a little coarse py. and brown siliceous alteration flow contact or flow breccia | 2148 | 2.0 | NIL |
| | 368-371 bleached silicified section 1" barren wh. qtz. 70°/core | 2149 | 3.0 | NIL |
| | 378-380 altered zone with 1½" grey to pink qtz. | 2150 | 2.0 | NIL |
| | 380-382 " silicified zone fine fracturing 10° - 20°/core | 2152 | 2.0 | NIL |
| | 389-392 altered, silicified zone fractured 20°/core | 2153 | 3.0 | NIL |

DRILLED BY:

SIGNED:

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

LATITUDE: DEP: ELE:

PROPERTY: Gateford Mines Ltd.

BEARING: DIP: STARTED:

LOGGED BY: COMPLETED:

DATA

HOLE NO. 74-14

DEPTH: Short hole 403

PROPERTY OF

# GATEFORD MINES LIMITED

TECK & OTTO TOWNSHIPS

LARDER LAKE MINING DIVISION

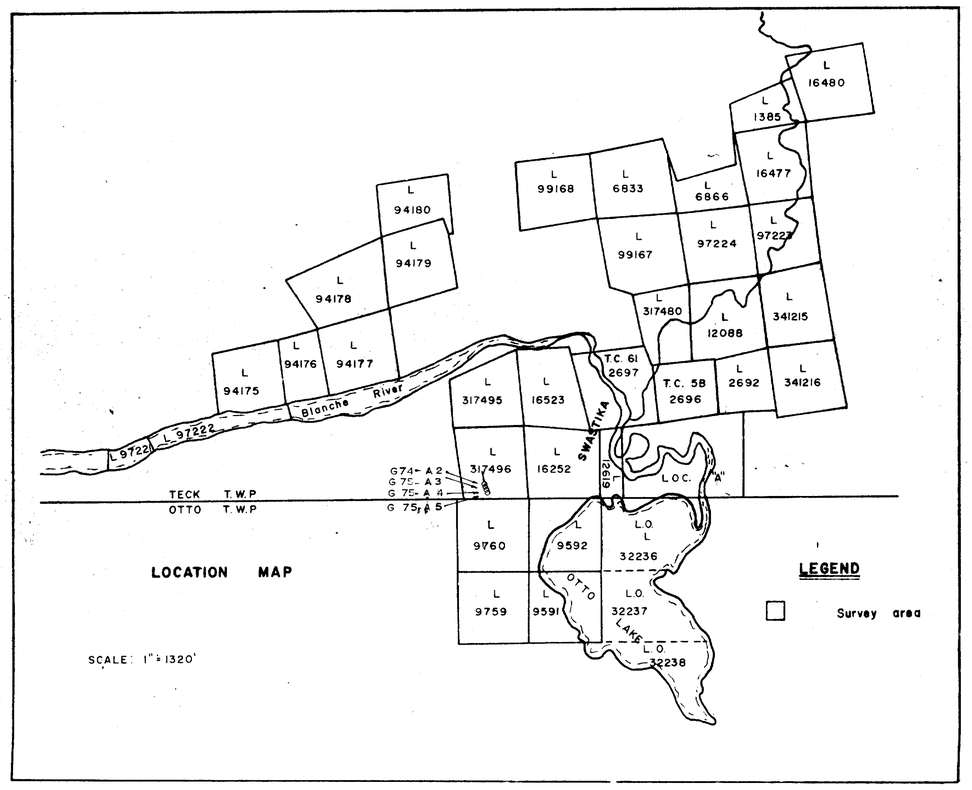
## DRILL PLAN

1" = 200'

GEOLOGICAL ASSOCIATION OF CANADA · H. G. HARPER · FELLOW

REGISTERED PROFESSIONAL ENGINEERS · MINING · H. C. HARPER · PROVINCE OF ONTARIO

H. G. Harper.

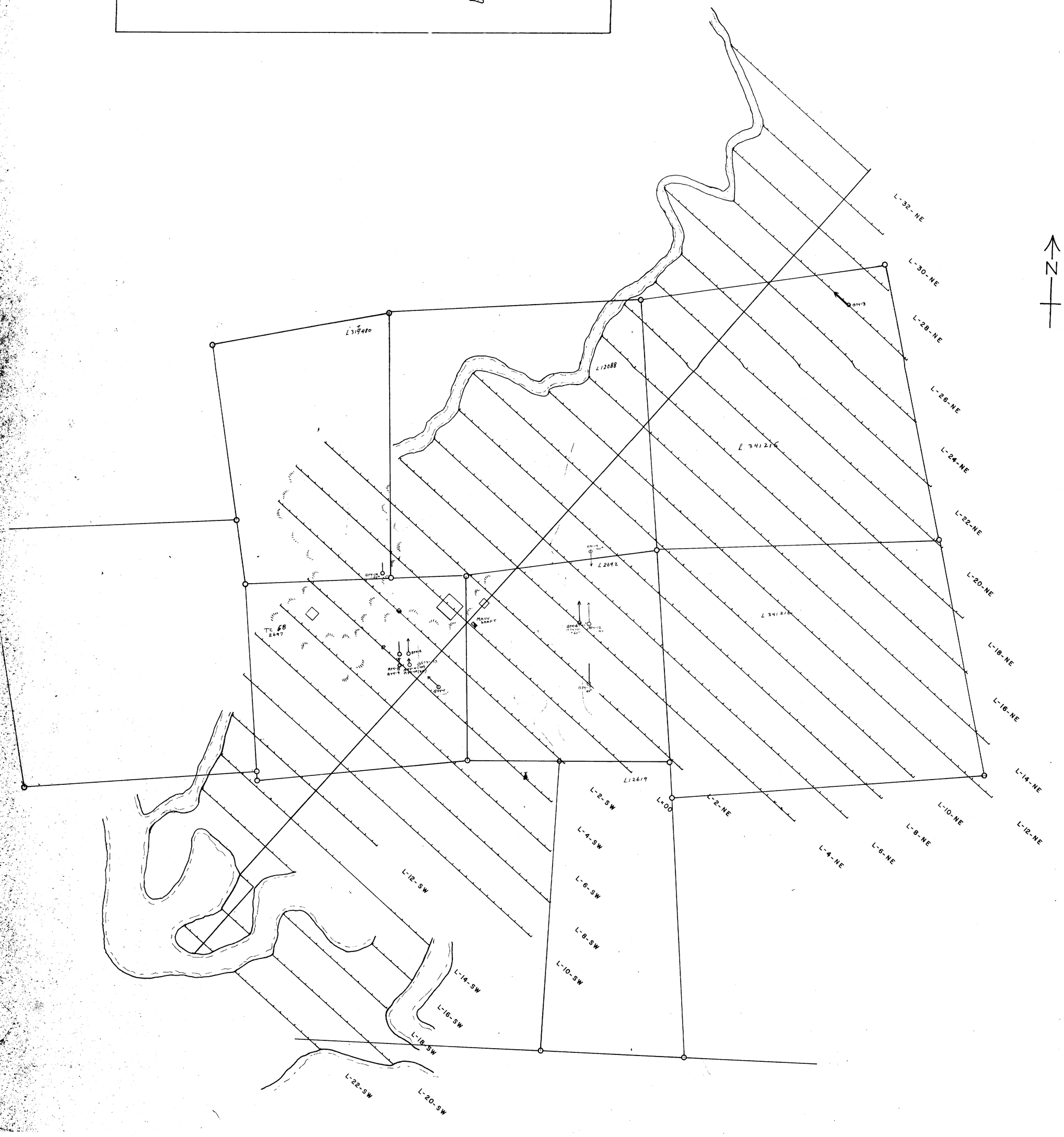



LOCATION MAP

SCALE: 1" = 1320'

LEGEND

Survey area




42A01SE0044 24 TECK