

# GM 44072

DIAMOND DRILLING LOG, DLS-GRATTON GROUP PROPERTY

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Énergie et Ressources  
naturelles

Québec 

Diamond  
Drilling  
Log

# Queenston

See: 205907

Fill in on every page  Hole No. DL-85-3 Page

|   |                                 |                             |                                      |                         |                             |   |  |                                    |
|---|---------------------------------|-----------------------------|--------------------------------------|-------------------------|-----------------------------|---|--|------------------------------------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                 | Collar Elevation<br>Surface | Bearing of hole from true North<br>0 | Total Footage<br>152.4m | Dip of Hole at Collar<br>45 | Location of hole in relation to a fixed point on the claim.<br><br>From #1 post 409044-2<br>260m West,<br>40m South | Map Reference No.<br>DLJV-85-31                                      | Claim No.<br>409044-2 and 1        |
| Date Hole Started<br>Sept 19, 1985          | Date Completed<br>Sept 21, 1985 | Date Logged<br>Sept 21      | Logged by<br>Dale R. Alexander       |                         | 50.9 m   43.5               |   | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>Manthet Township | Property Name<br>DLS-Gratton Group |
| Date Submitted                              |                                 | Submitted by (Signature)    |                                      | 152.4 m   42.5          |                             |   |  |                                    |
| SUMMARY LOG                                 |                                 |                             |                                      |                         |                             |   |  |                                    |

| Footage |        | Rock Type              | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays       |          |           |
|---------|--------|------------------------|---|----------------------|-----------------------|-----------------|----------------|----|---------------|--------------|----------|-----------|
| From    | To     |                        |   |                      |                       |                 | From           | To |               | Au           | Cu       | Zn        |
| 0       | 40.23  | Overburden             | Casing-casing pulled, 34.14m lost in hole   |                      |                       |                 |                |    |               |              |          |           |
| 40.23   | 83.27  | Mafic Volcanics        | Fine grained and granular to coarse grained and gabbroic textured rocks. Core varies from streaky, altered with chlorite-carbonate ± epidote, to mottled and spotted in appearance. Weak, local schistosity at 55-60°, quartz-calcite ± hematite veins/fractures, traces of sulphides in coarse grained sections. Coarse grained section 62.79 - 75.9m with grains of magnetite.  |                      |                       |                 |                |    |               |              |          |           |
| 83.27   | 94.19  | Exhalite/<br>Interflow | Carbonate-chert sequence with some graphite at base.<br>83.27 - 87.9m: carbonate-chert with heavy pyrite in fine grained aggregates and scattered nodules (up to 60-70% of rock).<br>87.9 - 92.9m: more massive carbonate-chert, pitted and vuggy with dull, dirty pyritic mud, brassier pyrite and streaks of pyrite-chalcopryrite.<br>92.9 - 94.19m: graphitic interflow, moderate sulphides, layered at 40°.   |                      |                       |                 | 83             | 94 | 11m           | oZS<br><<.01 | %<br>.04 | %<br>.073 |
| 94.19   | 152.4  | Mafic Volcanic         | Fine grained to medium grained rocks, strongly altered at top of section (to 94.43m). Core is variably mottled and spotted with alteration to 140.5m.<br>140.5 - 142.5: grey, fine grained, mafic volcanic accessory pyrite<br>142.5 - 146.95: grey, chert, carbonate and bleached mafic volcanics with up to 15% pyrite plus traces pyrrhotite, chalcopryrite, sphalerite.<br>146.95 - 148.85: buff to beige carbonate-chert, minor sulphides<br>148.85 - 152.40: layered (50 - 65°) chlorite-rich and grey altered mafic volcanics, minor pyrite, pyrrhotite, traces magnetite. |                      |                       |                 |                |    |               |              |          |           |
|         | 152.4m |                        | End of Hole   |                      |                       |                 |                |    |               |              |          |           |

Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 12 MARS 1987  
No. G.M.: 44072

|  |                                  |                               |                                       |                         |                              |  |  |                             |
|--|----------------------------------|-------------------------------|---------------------------------------|-------------------------|------------------------------|--|--|-----------------------------|
| Drilling Company<br>Bradley Brothers Limited |                                  | Collar Elevation Surface      | Bearing of hole from true North<br>0° | Total Footage<br>152.4m | Dip of Hole at Collar<br>45° | Location of hole in relation to a fixed point on the claim.<br>From #1 post 409044-2<br>260m West,<br>40m South<br><br>Grid Co-Ord: XL2E@6+75S | Map Reference No.<br>DLJV-85-31                                      | Claim No.<br>409044-2 and 1 |
| Date Hole Started<br>Sept. 19, 1985          | Date Completed<br>Sept. 21, 1985 | Date Logged<br>Sept. 21, 1985 | Logged by<br>D. R. Alexander          |                         | 50.9 m   43.5                |  | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>MANTHET TOWNSHIP | Property Name<br>Gratton    |
|  |                                  | Date Submitted                | Submitted by (Signature)              |                         | 152.4 m   42.5               |  |  |                             |
|  |                                  |                               |                                       |                         |                              |  |  |                             |

| Footage |       | Rock Type      | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | %Strs | %S= | Your Sample No. | Sample Footage |    | Sample Length | Assays |  |
|---------|-------|----------------|--|-------|-----|-----------------|----------------|----|---------------|--------|--|
| From    | To    |                |  |       |     |                 | From           | To |               | Au     |  |
| 0       | 40.23 | Overburden     | Casing driven to 41.75m (casing pulled but lost 34.14m)  |       |     |                 |                |    |               |        |  |
| 40.23   | 83.27 | Mafic Volcanic | A sequence of medium to dark grey green and dark green volcanic rocks with fine to medium grained sections.<br><br>The sequence is more or less zoned into fine grained schistose rocks from 40.23-43.35m followed by fine grained mottled rocks from 43.35-53.34m, coarser grained mottled and spotted volcanics from 53.34-62m coarse grained, chloritic volcanics from 62m-77m, plus a finer grained and more altered basal (physically) section from 77-83.27m.<br><br>The mafic volcanics are essentially composed of plagioclase, hornblende and chlorite with variable chlorite, carbonate ± epidote alteration.<br><br>In the coarser grained sections a few dull white earthy flecks of leucoxene (?) are noted in addition to scattered pinkish blebs of carbonate.<br><br>The schistosity at the collar of the hole varies from 55-60° to the core axis, and is defined by streaks and lenses of carbonate-chlorite ± epidote alteration.<br><br>The core is poorly to moderately veined with stringers of quartz-calcite that range from 0-15°, 30-40° and 50-60° to the core axis. There is no obvious relationship between the three potential sets of veins.<br><br>Early in the sequence many of the veins contain traces of hematite at the margins and hematite slips are common along the core with/without associated veining. Hematite, however, is notably scarce in the coarser grained volcanics after 62m. Further, some of the veins |       |     |                 |                |    |               |        |  |



|                   |                |                  |                                 |               |                       |   |  |           |  |
|-------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company  |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started | Date Completed | Date Logged      | Logged by                       |               |                       |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|                   |                | Date Submitted   | Submitted by (Signature)        |               |                       |   | Property Name                                |           |  |
|                   |                |                  |                                 |               |                       |   |  |           |  |

| Footage |       | Rock Type          | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | %Strs | %S=        | Your Sample No. | Sample Footage |    | Sample Length | Assays |      |
|---------|-------|--------------------|---|-------|------------|-----------------|----------------|----|---------------|--------|------|
| From    | To    |                    |   |       |            |                 | From           | To |               | Au     | oz/g |
|         |       |                    | by coarsely spotted, soft volcanics from 81.23 - 83.27m. These carbonated basal-rocks have coarse dark clots of chlorite (after hornblende?) in a lighter coloured carbonated matrix. The core is poorly veined and effectively unmineralized except near the lower 30cm of the unit where there is some accessory pyrite related to the underlying unit. |       |            |                 |                |    |               |        |      |
|         |       |                    | At 79.2 there is a trace of fuchsite along the margins of a 1cm quartz carbonate vein.  |       |            |                 |                |    |               |        |      |
|         |       |                    | Lower contact at 25.0   | minor | -          | M3601           | 80             | 81 | 1             | Nil    |      |
|         |       |                    |   | 10    | -          | M3602           | 81             | 82 | 1             | Nil    |      |
| 83.27   | 94.19 | Exhalite/Interflow | A carbonate-chert sequence with a minor amount of graphite that can be subdivided into three separate zones.  | 5     | -          | M3603           | 82             | 83 | 1             | 0.002  |      |
|         |       |                    | The upper section, from 83.27 - 87.9 is a carbonate, carbonate-chert unit with pyrite making up to 60-70% of the rock in some instances.  | 10    | 35% py     | M3604           | 83             | 84 | 1             | Nil    |      |
|         |       |                    | The pyrite occurs as fine grained aggregates and more rarely nodules.   | minor | 60% py     | M3605           | 84             | 85 | 1             | 0.01   |      |
|         |       |                    | The section from 83.7 - 87.0m is characterized by quartz fragments to 3 cm in size, that are fractured with carbonate and sitting in a sea of pyrite. A weak layering and lination of fragments varies from 20 - 40° to the core axis - average 40°.  | "     | 70% py     | M3606           | 85             | 86 | 1             | 0.01   |      |
|         |       |                    | The lower part of the upper section from 87-87.9m has a somewhat diminished pyrite content and the carb - chert rock contains micaeous sericite and locally emerald green streaks of fuchsite or barium mica.   | "     | 60% py     | M3607           | 86             | 87 | 1             | 0.002  |      |
|         |       |                    |   | "     | 30% pytrcp | M3608           | 87             | 88 | 1             | 0.002  |      |
|         |       |                    |   | 10    | 25% pytrcp | M3609           | 88             | 89 | 1             | Nil    |      |
|         |       |                    |   | 10    | 20% pytrcp | M3610           | 89             | 90 | 1             | Nil    |      |
|         |       |                    |   | 15    | 15% pytrcp | M3611           | 90             | 91 | 1             | Nil    |      |
|         |       |                    |   | minor | 20% pytrcp | M3612           | 91             | 92 | 1             | 0.002  |      |
|         |       |                    |   | "     | 7% py      | M3613           | 92             | 93 | 1             | 0.002  |      |
|         |       |                    |   | minor | 10% py     | M3614 (gf)      | 93             | 94 | 1             | 0.002  |      |





Diamond  
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Log



Fill in on every page  Hole No. DL-85-3 Page 6

|                   |                |                  |                                 |               |                       |   |  |           |  |
|-------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company  |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started | Date Completed | Date Logged      | Logged by                       |               |                       |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|                   |                | Date Submitted   | Submitted by (Signature)        |               |                       |   |  |           |  |
|                   |                |                  |                                 |               |                       |   | Property Name                                |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | %Strs | %S=            | Your Sample No | Sample Footage |       | Sample Length | Assays |      |
|---------|----|-----------|--|-------|----------------|----------------|----------------|-------|---------------|--------|------|
| From    | To |           |  |       |                |                | From           | To    |               | Au     | pp.b |
|         |    |           | chalcopyrite.  | neg   | -              | M3638          | 120            | 121   | 1             | Nil    |      |
|         |    |           | From 113.16 - 113.35 the core is layered/schistose with accessory carbonate - layering at 65°.   |       |                |                |                |       |               |        |      |
|         |    |           | Around 122m, there is an increase in the chlorite content and there is some fine grained, blotchy carbonate alteration. The rock is slightly coarser grained at this point and is dark green, sugary textured and composed of plagioclase, carbonate, chlorite ± hornblende.   | minor | -              |                | 140            | 141   | 1             |        |      |
|         |    |           |  | "     | 3% py          | M3637          | 141            | 142   | 1             | Nil    |      |
|         |    |           |  | 10    | 5% popytrzn    | M3636          | 142            | 143   | 1             | Nil    |      |
|         |    |           |  | minor | 5% popytrcpzn  | M3635          | 143            | 144   | 1             | Nil    |      |
|         |    |           |  | 10    | 5% popytrzn    | M3634          | 144            | 145   | 1             | Nil    |      |
|         |    |           |  | minor | 10% pypotrzn   | M3633          | 145            | 146   | 1             | 20     |      |
|         |    |           |  | "     | minor pypo     | M3632          | 146            | 147   | 1             | Nil    |      |
|         |    |           | After 140.5m, there is a rapid gradation to finer grained rocks - a grey mafic volcanic that becomes lightly sprinkled with dull brassy pyrite at 141.3m, with more veining (?) / chert and carbonate alteration below 142.5m.   | 15    | 7% pypo        | M3631          | 147            | 148   | 1             | Nil    |      |
|         |    |           |  | 10    | 5% pypo        | M3630          | 148            | 149   | 1             | 10     |      |
|         |    |           |  | 5     | 3% popy        | M3629          | 149            | 150   | 1             | Nil    |      |
|         |    |           |  | 10    | -              | M3628          | 150            | 151   | 1             | Nil    |      |
|         |    |           | The zone (142.5 - 146.95) is not nearly as notable as the previous interflow/exhalite unit but it does contain accessory chert and carbonate and up to 15% sulphides. This chert carbonate section is partly altered with dark chlorite, clear micaceous sericite and emerald green barium mica or fuchsite. The sulphide mineralogy is mixed, with up to 15% dull muddy to brassy pyrite, pyrrhotite (here magnetic) plus traces of chalcopyrite and reddish sphalerite. The chert-carbonate rock is medium to light grey in colour and | 5     | minor popytrcp | M3627          | 151            | 152.4 | 1.4           | Nil    |      |



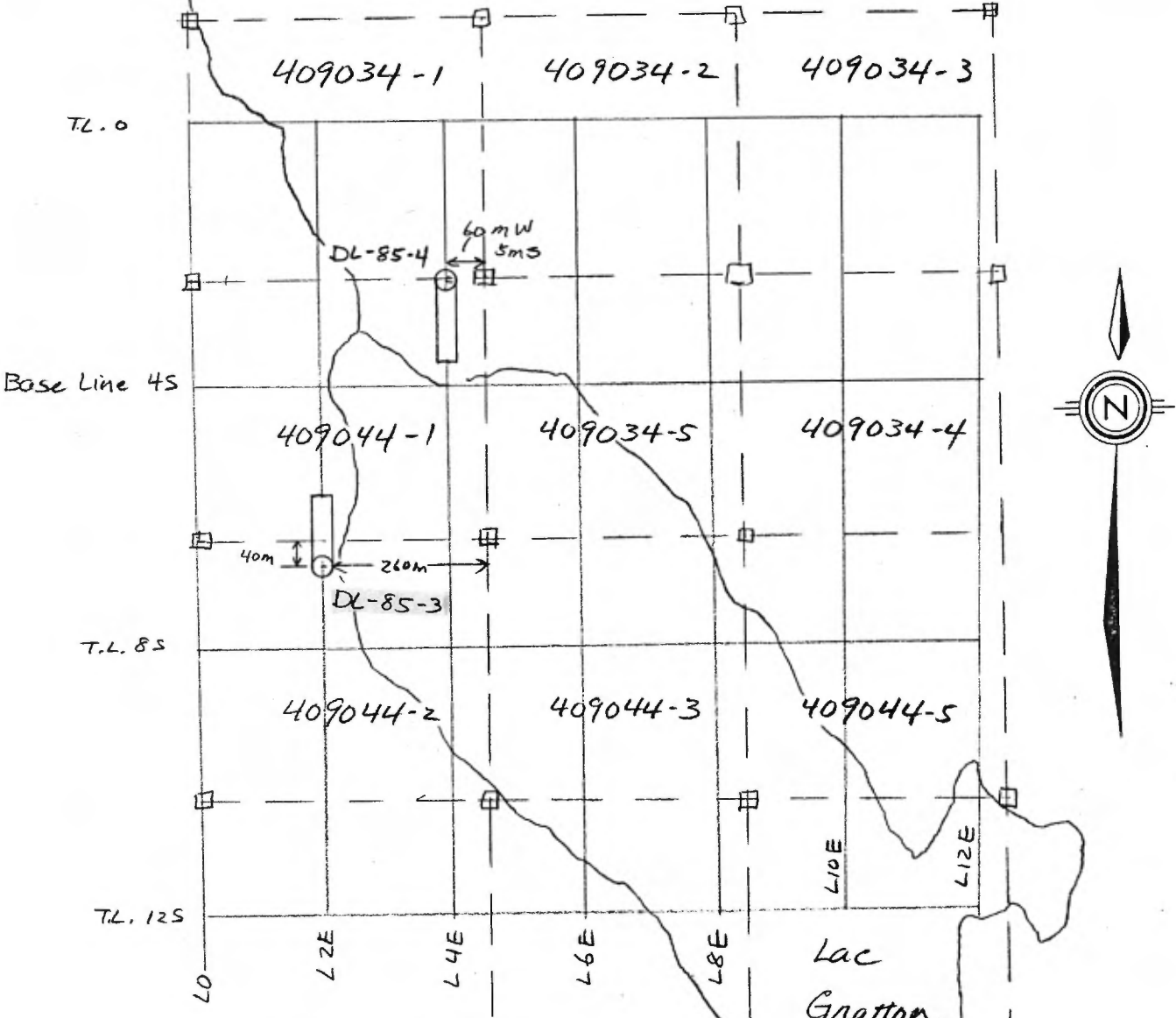


SUPPLEMENTARY ASSAYS

DDH DL-85-3

| Sample No. | From | to | Width | Ag oz/ton | Cu %   | Zn %   |
|------------|------|----|-------|-----------|--------|--------|
| M3601      | 80   |    | 81    | Nil       | 0.01   | 0.01   |
| M3602      | 81   |    | 82    | Nil       | 0.01   | 0.02   |
| M3603      | 82   |    | 83    | Nil       | 0.01   | 0.05   |
| M3604      | 83   |    | 84    | Tr        | 0.03   | 0.16   |
| M3605      | 84   |    | 85    |           |        |        |
| M3606      | 85   |    | 86    | 0.07      | 0.03   | 0.03   |
| M3607      | 86   |    | 87    | 0.03      | 0.03   | 0.04   |
| M3608      | 87   |    | 88    | Tr        | 0.04   | 0.02   |
| M3609      | 88   |    | 89    | 0.03      | 0.05   | 0.03   |
| M3610      | 89   |    | 90    | 0.03      | 0.05   | 0.07   |
| M3611      | 90   |    | 91    | Nil       | 0.03   | 0.06   |
| M3612      | 91   |    | 92    | Tr        | 0.06   | 0.14   |
| M3613      | 92   |    | 93    | 0.12      | 0.05   | 0.06   |
| M3614      | 93   |    | 94    | 0.21      | 0.03   | 0.12   |
| M3615      | 94   |    | 95    | 0.03      | 0.01   | 0.04   |
| M3616      | 95   |    | 96    | Tr        | 0.01   | 0.01   |
|            |      |    |       | Ag ppm    | Cu ppm | Zn ppm |
| M3636      | 142  |    | 143   | Nil       | 276    | 1740   |
| M3635      | 143  |    | 144   | Nil       | 200    | 1040   |
| M3634      | 144  |    | 145   | Nil       | 128    | 430    |
| M3633      | 145  |    | 146   | Nil       | 244    | 1220   |
| M3632      | 146  |    | 147   | Nil       | 160    | 467    |
| M3631      | 147  |    | 148   | Nil       | 117    | 245    |
| M3630      | 148  |    | 149   | Nil       |        |        |

**Queenston**  
 QUEENSTON GOLD MINES LIMITED



Drillhole Location Plan  
 Gratton Group  
 Manthet Township

Scale 1:10,000.



|   |                                      |                              |   |                          |                              |  |  |   |
|---|--------------------------------------|------------------------------|---|--------------------------|------------------------------|--|--|---|
| Drilling Company<br>Bradley Brothers    |                                      | Collar Elevation<br>Surface  | Bearing of hole from true North<br>180° | Total Footage<br>182.88m | Dip of Hole at Collar<br>50° | Location of hole in relation to a fixed point on the claim.<br>From #1 post 409044-1<br>60m West<br>5m South<br><br>Grid Co-Ord: XL 4E@2+40S | Map Reference No.<br>DLJV-85-32                                      | Claim No.<br>409044-1                   |
| Date Hole Started<br>September 21, 1985 | Date Completed<br>September 25, 1985 | Date Logged<br>Sept. 25 & 26 | Logged by<br>Dale R. Alexander          |                          | 45.72 m   48                 |  | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>Manthet Township | Property Name<br>D.L.S. - Gratton Group |
|   |                                      | Date Submitted               | Submitted by (Signature)                |                          | 182.88 m   39.5              |  |  |   |

| Footage |        | Rock Type      | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | %Strs | %S=         | Your Sample No | Sample Footage |    | Sample Length | Assays |  |
|---------|--------|----------------|---|-------|-------------|----------------|----------------|----|---------------|--------|--|
| From    | To     |                |   |       |             |                | From           | To |               | Au     |  |
| 0       | 31.01  | Overburden     | Casing through sand and boulder. Casing pulled, 100' lost)  |       |             |                |                |    |               | ppb    |  |
|         |        |                | A first attempt to collar the hole at 45° was lost at 23.16m-the casing broke between a sand seam and boulders at 20.11m.   |       |             |                |                |    |               |        |  |
| 31.01   | 182.88 | Mafic Volcanic | A sequence of fine to medium grained schistose mafic volcanics that are dipping/schistose at a poor angle to the core axis - much of the core is blocky.<br><br>The volcanics vary from medium to dark green and brownish green in colour and are essentially composed of chlorite, plagioclase and calcite ± biotite. The rocks are strongly lineated at 10-30° to the core axis defined by streaks, lenses, wisps and stringers of calcite ± quartz, and chlorite. Some of the schistosity/layering is contorted. Locally, due to variations in grain size and amount of chlorite-calcite present, individual sections (flows?) are recognized dipping at comparable angles.<br><br>The rocks are strongly altered with chlorite-calcite, and to a lesser extent hematite and epidote. The sequence is poorly veined with stringers of quartz-calcite and is very sparsely mineralized with tiny blebs of pyrite. Several sections of the core contain tiny blebs of magnetite, such that much of the core varies from weakly to moderately magnetic. |       |             |                |                |    |               |        |  |
|         |        |                |   | 10    | -           | M3639          | 33             | 34 | 1M            | NIL    |  |
|         |        |                |   | 15-00 | -           | M3640          | 55             | 56 | 1M            | NIL    |  |
|         |        |                |   | 5     | minor pyhem | M3641          | 56             | 57 | 1M            | NIL    |  |
|         |        |                |   | 100   | minor pyhem | M3642          | 57             | 58 | 1M            | NIL    |  |

Diamond  
Drilling  
Log



|                   |                |                  |                                 |               |                       |   |  |               |  |  |
|-------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|---------------|--|--|
| Drilling Company  |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No.     |  |  |
| Date Hole Started | Date Completed | Date Logged      | Logged by                       |               |                       |   | Location (Twp., Lot, Con. or Lat. and Long.) |               |  |  |
|                   |                | Date Submitted   | Submitted by (Signature)        |               |                       |   |  | Property Name |  |  |
|                   |                |                  |                                 |               |                       |   |  |               |  |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | %Strs | %S=    | Your Sample No  | Sample Footage |     | Sample Length | Assays |  |
|---------|----|-----------|---|-------|--------|-----------------|----------------|-----|---------------|--------|--|
| From    | To |           |   |       |        |                 | From           | To  |               | Au ppb |  |
|         |    |           | of non magnetic rock and pyrite is rarely noted in the more noteworthy magnetite - rich sections.   |       |        |                 |                |     |               |        |  |
|         |    |           | 43.06 - 43.28 - A more massive fine grained mafic volcanic, with magnetite, at 20° to the core axis.  |       |        |                 |                |     |               |        |  |
|         |    |           | 56.30 - 57.46 - Contact along calcite - epidote-hematite alteration/veining into a flow top zone or breccia with blotchy epidotized feldspar clots, along with irregular calcite-epidote - chlorite alteration. The upper contact is irregular with veining, the lower contact is at 20°. This unit contains scattered blebs of pyrite and pyrite - hematite - calcite ± relict magnetite.  |       |        |                 |                |     |               |        |  |
|         |    |           | The unit 56.30 - 57.46, is followed by schistose chloritic rocks that are slightly coarser grained and cut by more numerous calcite-hematite slips.   | 10-QC | minor  | py M3644        | 75             | 76  | 1M            | Nil    |  |
|         |    |           | From 71.5 - 73.4m, the core grades to dark brownish green with brick red sections due to preferential staining of more siliceous (± carbonate and plagioclase) layers. Although no magnetite is visible the core is weakly magnetic. Below 73.4m, the rock grades back toward green mafic volcanics but retains scattered brick red to orangish portions that are notably harder (at 5-6) than the adjacent rock (hardness circa 4). The schistosity also appears to steepen marginally to 30° to the core axis at this point. There are fairly | 5     | minor  | py trmgat M3645 | 79             | 80  | 1M            | Nil    |  |
|         |    |           |   | 15QC  | 2% mg+ | M3646           | 86             | 87  | 1M            | Nil    |  |
|         |    |           |   | 10    | minor  | py trcp M3647   | 104            | 105 | 1M            | 140    |  |

Diamond  
Drilling  
Log



Fill in on  
every page

Hole No.  
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3

|                   |                |                  |                                 |               |  |   |                   |           |
|-------------------|----------------|------------------|---------------------------------|---------------|--|---|-------------------|-----------|
| Drilling Company  |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar                        | Location of hole in relation to a fixed point on the claim. | Map Reference No. | Claim No. |
| Site Hole Started | Date Completed | Date Logged      | Logged by                       |               | Location (Twp., Lot, Con. or Lat. and Long.) |   |                   |           |
|                   |                | Date Submitted   | Submitted by (Signature)        |               |  |   |                   |           |
|                   |                |                  |                                 | Property Name |  |   |                   |           |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | %Strs | %S=          | Your Sample No | Sample Footage |     | Sample Length | Assays |  |
|---------|----|-----------|--|-------|--------------|----------------|----------------|-----|---------------|--------|--|
| From    | To |           |  |       |              |                | From           | To  |               | Au ppb |  |
|         |    |           | numerous sections in this zone, particularly from 80 - 97m, containing   | minor | trpy         | M3648          | 105            | 106 | 1M            | 10     |  |
|         |    |           | ing grains of magnetite. Sulphide content is very minor with scattered   | "     | "            | M3649          | 106            | 107 | 1M            | 20     |  |
|         |    |           | ered blebs of disseminated pyrite locally in cubes to 5mm in size -      | "     | trcpy        | M3650          | 107            | 108 | 1M            | 80     |  |
|         |    |           | as at 95.0m.   | "     | trpy         | M3651          | 108            | 109 | 1M            | Nil    |  |
|         |    |           | At 79.4m, there is a 14mm quartz vein at 60° to the core axis with       | "     | minor py     | M3652          | 109            | 110 | 1M            | 30     |  |
|         |    |           | pyrite and brick red hematization in the wall rock at the lower contact. |       |              |                |                |     |               |        |  |
|         |    |           | Commencing at 97.2m, and extending to 119.4m, there are accessory        | 15    | trpy         | M3653          | 119            | 120 | 1M            | 20     |  |
|         |    |           | streaks of dull brownish red to brick red staining, scattered grains     | 15    | "            | M3654          | 120            | 121 | 1M            | Nil    |  |
|         |    |           | and streaks of magnetite, and a shallower core angle at 15 - 20° to      |       |              |                |                |     |               |        |  |
|         |    |           | the core axis. For the most part, this zone is only weakly to            |       |              |                |                |     |               |        |  |
|         |    |           | moderately magnetic except for a greener coloured central portion        |       |              |                |                |     |               |        |  |
|         |    |           | from 106.9 - 110.2m, where the rock is streaked with fine grained        |       |              |                |                |     |               |        |  |
|         |    |           | black, magnetite and is moderate to strongly magnetic. There are         |       |              |                |                |     |               |        |  |
|         |    |           | also a few, narrow (1-3mm) quartz-calcite veins in this area             |       |              |                |                |     |               |        |  |
|         |    |           | at 60-70° to the core axis, carrying coarse splashes of chalcopyrite.    |       |              |                |                |     |               |        |  |
|         |    |           | The lower contact of the zone (97.2 - 119.4m) is veined and broken,      | 10    | minor pytrcp | M3655          | 123            | 124 | 1M            | 10     |  |
|         |    |           | marking a rapid gradation into softer (hardness 4), more chlorite        | 5     | minor py     | M3656          | 124            | 125 | 1M            | 30     |  |
|         |    |           | calcite-rich rocks as seen earlier in the hole. Except in isolated       | 5     | "            | M3657          | 125            | 126 | 1M            | 240    |  |
|         |    |           | sections, magnetite appears to be effectively absent and the rocks       | 5     | "            | M3658          | 126            | 127 | 1M            | 30     |  |
|         |    |           | are very weakly to non magnetic. Schistositities, enhanced as before     | 40    | trpy         | M3659          | 127            | 128 | 1M            | 30     |  |
|         |    |           | by the streaky calcite-chlorite alteration, range from nearly along      | 50    | "            | M3660          | 128            | 129 | 1M            | Nil    |  |
|         |    |           | the core axis to 30° (average 20-30°) and are locally contorted.         | 5     | "            | M3661          | 129            | 130 | 1M            | Nil    |  |
|         |    |           |  | 10    | "            | M3662          | 130            | 131 | 1M            | Nil    |  |

|                   |                |                  |                                 |               |                       |   |  |           |  |
|-------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company  |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started | Date Completed | Date Logged      | Logged by                       |               |                       |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|                   |                | Date Submitted   | Submitted by (Signature)        |               |                       |   | Property Name                                |           |  |
|                   |                |                  |                                 |               |                       |   |  |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | %Strs | %S=      | Your Sample No | Sample Footage |     | Sample Length | Assays |     |
|---------|----|-----------|---|-------|----------|----------------|----------------|-----|---------------|--------|-----|
| From    | To |           |   |       |          |                | From           | To  |               | Au     | ppb |
|         |    |           | Portions of this zone contain some wider off-white to slightly pinkish quartz vein breccias with occasional traces of ankerite concentrated at stringer margins. The wider veins and aggregates of veins are at variable angles to the core axis. Sulphide content is very minor although there are traces of finely disseminated pyrite as well as coarser aggregates of pyrite and rare splashes of chalcopyrite.   | 10    | trpy     | M3663          | 131            | 132 | 1M            | Nil    |     |
|         |    |           | The early part of this section is blocky from 119 - 126.5m and has a poor RQD.  |       |          |                |                |     |               |        |     |
|         |    |           | From 133.28 - 143.90m, contact at 40° into a slightly coarser grained zone of mafic volcanics that do not contain as much of the strong, streaky calcite-chlorite alteration as the surrounding rocks, but do cleave at shallow angles to the core axis. From this sequence the mineralogy of the volcanics is more easily determined and includes chlorite, calcite, plagioclase, and hornblende ± biotite. The coarser grained rocks are soft (hardness 4), poorly veined, sparsely mineralized and non magnetic. | 10    | "        | M3664          | 140            | 141 | 1M            | 10     |     |
|         |    |           | The unit (133.28 - 143.90) is followed by soft, streaky, schistose carbonate - chlorite - rich rocks as seen earlier in the hole, with local grains of magnetite.   | 15    | minor py | M3665          | 147            | 148 | 1M            | 10     |     |
|         |    |           | At 153.03 - 153.63, there is a narrow unit with accessory chert and pyrite (3-5%), within the mafic volcanics. The rock is fine grained,  |       |          |                |                |     |               |        |     |
|         |    |           |   | 30    | minor py | M3666          | 152            | 153 | 1M            | 20     |     |
|         |    |           |   | 7     | 3% py    | M3667          | 153            | 154 | 1M            | Nil    |     |

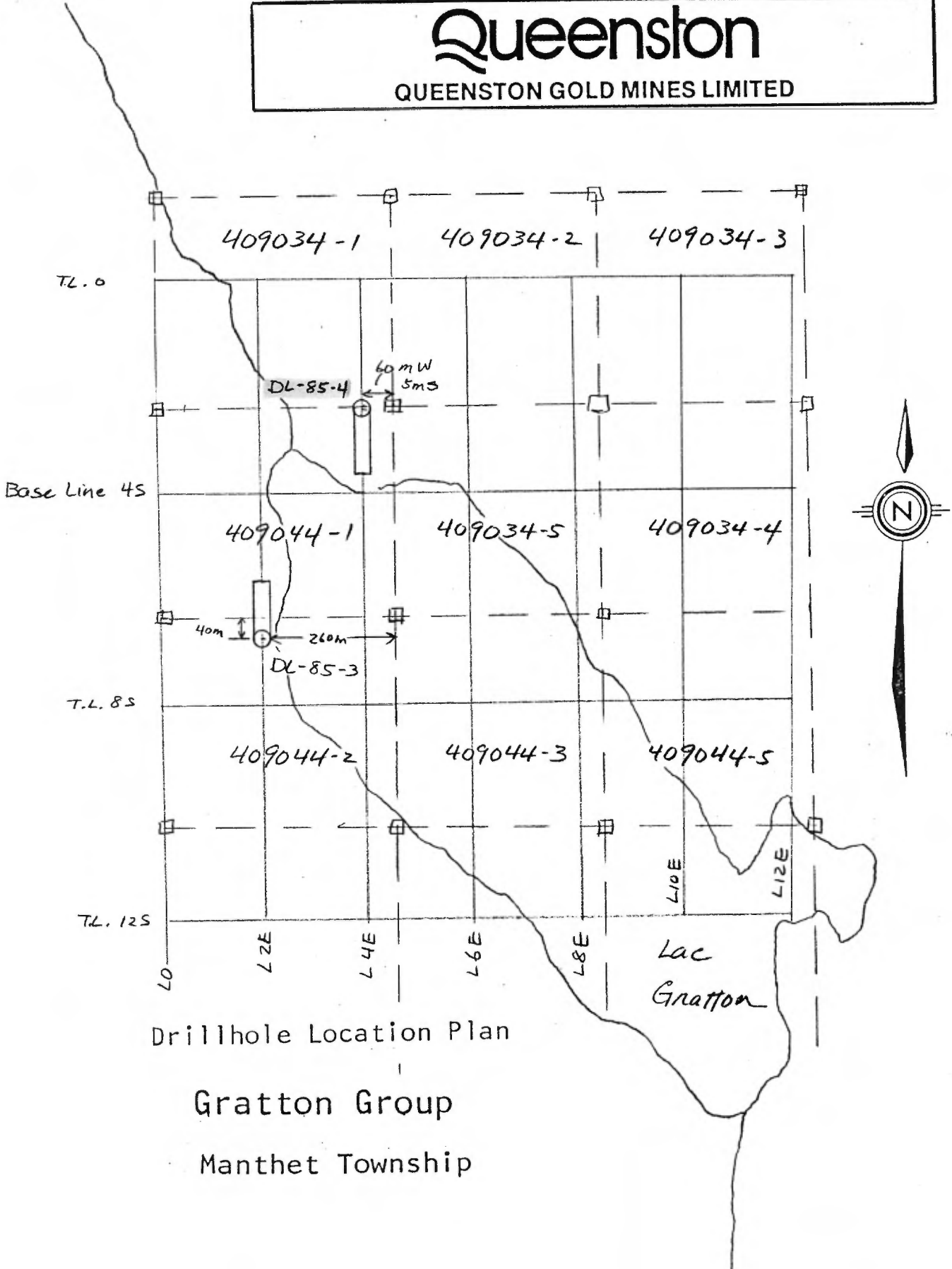






# Queenston

QUEENSTON GOLD MINES LIMITED



Drillhole Location Plan

Gratton Group

Manthet Township

Scale 1:10,000.



Drilling  
Log



|   |                                   |                             |   |                          |                              |   |   |                       |  |
|---|-----------------------------------|-----------------------------|---|--------------------------|------------------------------|---|---|-----------------------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                   | Collar Elevation<br>Surface | Bearing of hole from true North<br>180° | Total Footage<br>151.48m | Dip of Hole at Collar<br>50° | Location of hole in relation to a fixed point on the claim.<br>From #1 post 412669-5<br>300m W<br>10m S<br><br>Grid Co-Ord. XLIE @ 0+10S<br>40ms of D D H DL-85-1 | Map Reference No.<br>DLJV-85-33                                     | Claim No.<br>412669-5 |  |
| Hole Started<br>September 26/85             | Date Completed<br>September 27/85 | Date Logged<br>Sept 28/85   | Logged by<br>DALE R. ALEXANDER          |                          | 151.48m                      |   | Location (Twp., Lot, Con. or Lat. and Long.)<br>La Peltrie Township |                       |  |
|   |                                   | Date Submitted              | Submitted by (Signature)                |                          | Ft.                          |   | Property Name<br>DLS - Lemieux North Group                          |                       |  |

| Footage |       | Rock Type                | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |        |        |
|---------|-------|--------------------------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|--------|--------|
| From    | To    |                          |  |                      |                       |                 | From           | To |               | Au ppb | Ag ppm | Zn ppm |
| 0       | 29.5  | Overburden               | Casing driven to 31.09m, All casing pulled   | %str                 | %S=                   |                 |                |    |               |        |        |        |
| 29.5    | 49.54 | Graphitic Tuff Interflow | A sequence of dark grey to black moderate to strongly graphitic rocks locally intercalated with carbonate - rich and cherty, felsic tuffs/volcaniclastics. At 29.5m the drill hole collars in interlayered graphite and pyrite layering is contorted/dragfolded and ranges from 10-70° to the core axis - average layering 45°. Most individual layers have a constant orthogonal thickness and do not appear attenuated, slumped or boudinaged. Pyrite, in addition to being present as fine grained layers within the graphite, also occurs as nodules and fine grained aggregates. Pyrite constitutes about 30% of the upper section. The graphite zone also contains lenses/fragments of carbonate ± quartz often with nodules of pyrite. Some of the graphite is pitted and vuggy from dissolution of carbonate (?), and there are sections of graphite that appear gouged/granulated as at: 32m, 34.0 - 34.13m, 35.65m - 1cm @ 75°, and 35.99m - 1cm @ 75°. At 36m there is an introduction of carbonate (ankerite) into the system such that there are dark, graphitic layers and grey, carbonate-rich, partly graphite-soaked layers. The carbonate layers appear tuffaceous with light coloured, lapilli-sized fragments (?) rather than a sandy detrital texture - probably felsic tuff/volcaniclastic. With an introduction of carbonate layers, there is a corresponding decrease in pyrite content - the pyrite layers become absent, although nodules and fine grained aggregates of sulphide remain. Below 38m, there is a second increase in the carbonate/volcanic component at the expense | 5                    | 20%py                 | M3832           | 29.5           | 31 | 1.5           | 40     | 0.7    | 400    |
|         |       |                          |  | minor                | 30%py                 | 33              | 31             | 32 | 1             | 65     | 0.7    | 348    |
|         |       |                          |  | 10                   | 40%py                 | 34              | 32             | 33 | 1             | 30     | 0.6    | 475    |
|         |       |                          |  | 5                    | 30%py                 | 35              | 33             | 34 | 1             | 30     | 0.5    | 490    |
|         |       |                          |  | 10                   | 30%py                 | 36              | 34             | 35 | 1             | 50     | 0.6    | 1500   |
|         |       |                          |  | 5                    | 25%py                 | 37              | 35             | 36 | 1             | 30     | 0.5    | 894    |
|         |       |                          |  | 15                   | 5%py                  | 38              | 36             | 37 | 1             | Nil    |        |        |
|         |       |                          |  | 10                   | 10%py                 | 39              | 37             | 38 | 1             | 30     |        |        |
|         |       |                          |  | 10                   | 10%py                 | 40              | 38             | 39 | 1             | 30     |        |        |
|         |       |                          |  | minor                | 5%py                  | 41              | 39             | 40 | 1             | 30     |        |        |



|                  |                  |                                 |                          |                       |   |  |           |
|------------------|------------------|---------------------------------|--------------------------|-----------------------|---|--|-----------|
| Drilling Company | Collar Elevation | Bearing of hole from true North | Total Footage            | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |
| Hole Started     | Date Completed   | Date Logged                     | Logged by                | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |
|                  |                  | Date Submitted                  | Submitted by (Signature) | Ft.                   |   |  |           |
|                  |                  |                                 |                          | Ft.                   |   |  |           |
|                  |                  |                                 |                          | Ft.                   |   | Property Name                                |           |

| Footage |       | Rock Type                      | Description<br><small>Colour, grain size, texture, minerals, alteration, etc.</small>       | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |  |
|---------|-------|--------------------------------|---|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|--|
| From    | To    |                                |   |                      |                       |                 | From           | To |               | Au ppb |  |
|         |       |                                | the upper contact.  |                      |                       |                 |                |    |               |        |  |
|         |       |                                | From 48.30 - 48.60, there is some quartz-   | %strs                | %S=                   |                 |                |    |               |        |  |
|         |       |                                | ankerite veining within a graphitic unit. At the lower                                      | -                    | 10%py                 | M3852           | 50             | 51 | 1             | 10     |  |
|         |       |                                | contact of the veining there is accessory pyrite and traces                                 | -                    | 10%py                 | 53              | 51             | 52 | 1             | Nil    |  |
|         |       |                                | of sphalerite within the graphitic unit.  | -                    | 5%py                  | 54              | 52             | 53 | 1             | Nil    |  |
| 49.54   | 80.27 | Felsic Tuff/<br>Volcaniclastic | A sequence or predominately non-graphitic rocks containing the grey green, granular and the | -                    | 10%py                 | 55              | 53             | 54 | 1             | Nil    |  |
|         |       |                                | more massive cherty units. Upper contact at 45.   | -                    | 3%py                  | 56              | 54             | 55 | 1             | Nil    |  |
|         |       |                                | The upper part of this sequence, to 50.07m,   | -                    | 3%py                  | 57              | 55             | 56 | 1             | Nil    |  |
|         |       |                                | is dark greyish and partly soaked with graphite,  | -                    | 3%py                  | 58              | 56             | 57 | 1             | Nil    |  |
|         |       |                                | followed by the mix of light grey and grey green rocks.                                     | -                    | minor py              | 59              | 57             | 58 | 1             | Nil    |  |
|         |       |                                | The cherty style of unit predominates to  | -                    | 30%py                 | 60              | 58             | 59 | 1             | 25     |  |
|         |       |                                | approximately 60m, below which most of the core is  | minor                | minorpy               | 61              | 59             | 60 | 1             | Nil    |  |
|         |       |                                | of the grey green, granular, carbonated variety. Core                                       | 10                   | minorpy               | 62              | 60             | 61 | 1             | Nil    |  |
|         |       |                                | angles vary from 35 - 70° to the core axis but average 50 - 55°                             |                      |                       |                 |                |    |               |        |  |
|         |       |                                | Grca 58m, the core is weakly streaked   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | with graphite previous to a cherty zone with almost   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | massive pyrite from 58.3 - 58.6m. The streaks with  |                      |                       |                 |                |    |               |        |  |
|         |       |                                | graphite are contorted but average 50° to the core axis.                                    |                      |                       |                 |                |    |               |        |  |
|         |       |                                | This zone is followed by graphite -   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | streaked core and a more strongly graphitic section   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | mixed with the grey green, granular volcaniclastic/tuff                                     |                      |                       |                 |                |    |               |        |  |
|         |       |                                | from 59.5 - 59.69m at 45°/75°; and a 2cm. graphitic   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | section from 60.21 - 60.23m at 55°.   |                      |                       |                 |                |    |               |        |  |
|         |       |                                | In the first half of this sequence  |                      |                       |                 |                |    |               |        |  |
|         |       |                                | (49.54 - 60.23m) there is a decreasing amount of the cherty                                 |                      |                       |                 |                |    |               |        |  |
|         |       |                                | unit with depth. The grey green unit is soft (hardness                                      |                      |                       |                 |                |    |               |        |  |
|         |       |                                | 4-5); finely granular, and has a strong positive  |                      |                       |                 |                |    |               |        |  |
|         |       |                                | reaction to the presence of ankerite. The cherty unit is                                    |                      |                       |                 |                |    |               |        |  |
|         |       |                                | partly carbonated, and contains a relatively  |                      |                       |                 |                |    |               |        |  |
|         |       |                                | higher percentage of pyrite than the grey green rock.                                       |                      |                       |                 |                |    |               |        |  |







Drilling  
Log

# Queenston

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every page

Hole No.  
DL-85.5

Page No.  
6

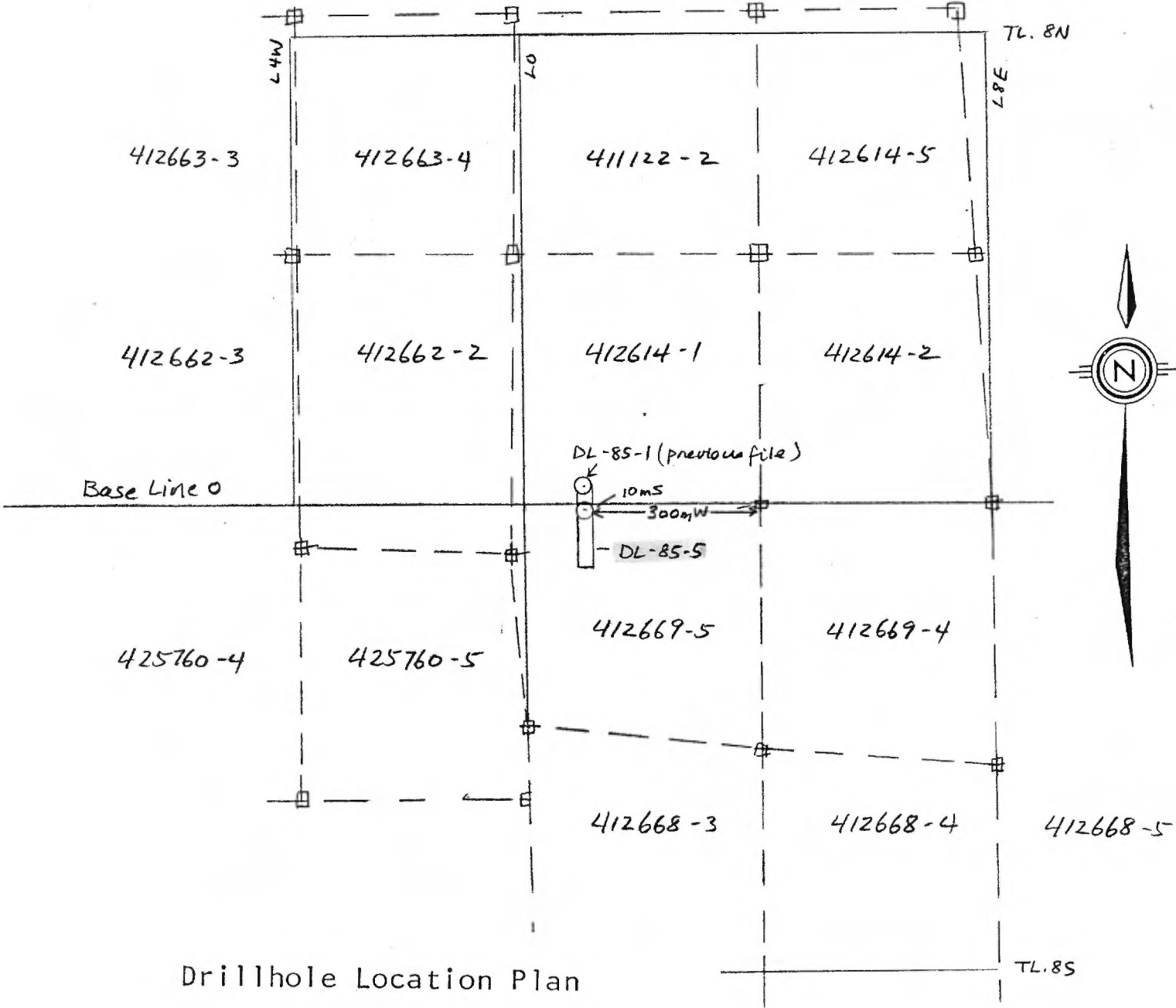
|                                      |                |                  |                                 |               |                       |   |  |               |  |
|--------------------------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|---------------|--|
| Drilling Company<br>BRADLEY BROTHERS |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No.     |  |
| Hole Started                         | Date Completed | Date Logged      | Logged by                       |               | Fl.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |               |  |
|                                      |                | Date Submitted   | Submitted by (Signature)        |               | Fl.                   |   |  |               |  |
|                                      |                |                  |                                 |               | Fl.                   |   |  | Property Name |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |     | Sample Length | Assays |        |        |
|---------|----|-----------|--|----------------------|-----------------------|-----------------|----------------|-----|---------------|--------|--------|--------|
| m       | To |           |  |                      |                       |                 | From           | To  |               | Au ppb | Ag ppm | Zn ppm |
|         |    |           | veining from 115.42 - 116.17, the strongly siliceous rocks are followed by more of the grey green, finely granular ankeritic rocks with variably silicified sections, and chlorite - streaked sections.  | % str                | % S=                  |                 |                |     |               |        |        |        |
|         |    |           | 120.83 - 123.53m - silicified, contorted rocks again that look in part, brecciated. As previous the siliceous rocks are sprinkled with pyrite and sphalerite (?).  | 30                   | -                     | M3900           | 115            | 116 | 1             | 325    | Nil    | 35     |
|         |    |           | The lower contact of this second siliceous unit is broken with veining and accessory pyrite leading into a section of graphite - streaked rocks, from 123.53 - 124.84m. The streakiness/layering in this section averages 65° to the core axis. Accessory graphite is also found in the volcanoclastics at 125.80 - 125.91; 126.10 - 126.80 and 149.30 - 149.86. The section from 126.10 - 126.80m, is highly contorted, contains accessory pyrite (10%) and rusting from pyrite, and the contacts are with veining. | 5                    |                       | 01              | 116            | 117 | 1             | 10     | Nil    | 38     |
|         |    |           | The main part of the felsic tuff/volcanoclastic zone, below 126.80m, consists of pale grey to pale grey green, streaked, moderate to strongly silicified rocks intercalated with weakly to non-streaked, grey green, granular ankeritic rocks along with scattered, strongly streaked, crenulated, more chloritic sections that are medium grey green to grey olive in colour.   | -                    | -                     | 02              | 117            | 118 | 1             | Nil    |        |        |
|         |    |           | The chloritic, crenulated sections, the most noteworthy examples being 128.24 - 128.40, 128.87 - 129.54, 130.20 - 130.35, 131.04 - 132.0, and 135.93 - 136.30 are strongly altered with chlorite-ankerite-calcite and are highly contorted/crenulated with carbonate-rich and chlorite rich layers. Often, the carbonate-rich layers have a strong, partly curved, cleavage  | minor                | -                     | 3928            | 118            | 119 | 1             | 10     |        |        |
|         |    |           |  | -                    | -                     | 27              | 119            | 120 | 1             | Nil    |        |        |
|         |    |           |  | 10                   | trpy                  | 26              | 120            | 121 | 1             | 10     |        |        |
|         |    |           |  | 10                   | trpyZns               | 25              | 121            | 122 | 1             | 40     |        |        |
|         |    |           |  | -                    | minor py              | Zns 24          | 122            | 123 | 1             | 525    |        |        |
|         |    |           |  | 5                    | minor py              |                 | 123            | 124 | 1             | 180    |        |        |
|         |    |           |  | minor                | trpy                  |                 | 124            | 125 | 1             | Nil    |        |        |
|         |    |           |  | 10                   | trpy                  |                 | 125            | 126 | 1             | 50     |        |        |
|         |    |           |  | 15                   | 5% py                 |                 | 126            | 127 | 1             | 10     |        |        |
|         |    |           |  | minor                | trpyZns               |                 | 127            | 128 | 1             | 20     |        |        |
|         |    |           |  | minor                | -                     |                 | 128            | 129 | 1             | 410    |        |        |
|         |    |           |  | minor                | -                     |                 | 129            | 130 | 1             | 80     |        |        |



# Queenston

QUEENSTON GOLD MINES LIMITED



Drillhole Location Plan

Lemieux Group  
LaPeltrie Township

Scale 1:10,000.

Diamond  
Drilling  
Log



Fill in on every page Hole No. DL-85-10 Page 1

|   |                                   |                          |                                       |                          |                              |   |   |                       |
|---|-----------------------------------|--------------------------|---------------------------------------|--------------------------|------------------------------|---|---|-----------------------|
| Drilling Company<br><b>Bradley Brothers</b>   |                                   | Collar Elevation Surface | Bearing of hole from true North<br>0° | Total Footage<br>169.77m | Dip of Hole at Collar<br>48° | Location of hole in relation to a fixed point on the claim.<br><br>From #1 Post 424074-3<br>285m South<br>0m East | Map Reference No.<br>DLJV-85-38                                       | Claim No.<br>424074-3 |
| Date Hole Started<br>October 5, 1985  | Date Completed<br>October 6, 1985 | Date Logged<br>Oct 7 & 8 | Logged by<br>Date R. Alexander        |                          | 160 m   42.5°                |   | Location (Twp., Lot, Con. or Lat and Long.)<br><br>LaPeltrie Township |                       |
| Summary Log<br>Internal breakdowns correspond with interpretations from later drilling) |                                   | Date Submitted           | Submitted by (Signature)              |                          | Ft.                          |   |   |                       |
|   |                                   |                          |                                       |                          |                              | Grid Co-Ord: XL8W@3+40N   | Property Name<br>DLS - Turgeon Township                               |                       |

| Footage |        | Rock Type                                     | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |     | Sample Length | Assays |     |
|---------|--------|---|---|----------------------|-----------------------|-----------------|----------------|-----|---------------|--------|-----|
| From    | To     |   |   |                      |                       |                 | From           | To  |               | Au     | ppb |
| 0       | 23.77  | Overburden                                    | Casing - casing pulled  |                      |                       |                 |                |     |               |        |     |
| 23.77   | 97.0   | Mafic Volcanics                               | Fine grained carbonate-chlorite schists, schistose at 50-60°. Increased sericite content below 87m.   |                      |                       |                 |                |     |               |        |     |
| 97.0    | 120.13 | Sericite Schist & Graphitic Tuff              | Strongly sericitic and ankeritic mafic volcanics along with graphitic tuffs and sericite schists cum felsic volcanics.<br>97.0 - 99.14m: sericitic, ankeritic mafic volcanics, elevated pyrite content, some fractures with fuchsite.<br>99.14 - 111.26m: Graphitic tuff and altered felsic volcanics, with gouged graphite and 1m of lost core between 108.70 and 110.64m.<br>Some heavy pyrite and veining around upper contact, and, 111 - 111.26m a cherty breccia with 3 splashes of visible gold.<br>111.26 - 120.13m: sericitic, ankeritic mafic volcanics with a moderately graphitic unit 117.37 - 117.86m; traces of graphite, elevated pyrite, and traces fuchsite 117.86 - 120.13m. |                      |                       |                 |                |     |               |        |     |
|         |        |   |   |                      |                       |                 | 108.70         | 113 | 4.3m          | 341*   |     |
|         |        |   |   |                      |                       |                 | (111.5         | 112 | .5m           | 637)   |     |
| 97.0    | 130.93 | Chlorite-Sericite-Carbonate Schist and Chert. | Altered mafic volcanics, streaky and contorted from 120.13 - 125.18m, followed by carb (ankerite) - chert rocks from 125.18 - 130.93m.  |                      |                       |                 |                | 124 | 125           | 1 m    | 395 |
| 130.93  | 169.77 | Mafic Volcanics plus Graphite                 | Fine grained mafic volcanics - contact gradational from carb-chert rocks, schistose/layered at 55-60°. 143.89 - 148.80m: section with graphite intercalated with cherty sericite schists cum felsic volcanics. The main zone with graphite extends from 145.40 - 146.60m - layered at 45 - 50°. Accessory sericite and graphite 143.48 - 145.40, and mainly sericitic chert 146.60 - 148.80m.   |                      |                       |                 |                |     |               |        |     |
|         | 169.77 |   | End of Hole   |                      |                       |                 |                |     |               |        |     |

\*Represents some assays converted from ozs/ton

Diamond  
Drilling  
Log



Fill in on  
every page

Hole No. DL-85-10 Page No. 1

|                                      |                                   |                          |                                       |                          |                              |   |  |                       |
|--------------------------------------|-----------------------------------|--------------------------|---------------------------------------|--------------------------|------------------------------|---|--|-----------------------|
| Drilling Company<br>BRADLEY BROTHERS |                                   | Collar Elevation Surface | Bearing of hole from true North<br>0° | Total Footage<br>169.77m | Dip of Hole at Collar<br>48° | Location of hole in relation to a fixed point on the claim.<br><br>From #1 Post 424074-3<br>285m South<br>0m East | Map Reference No.<br>DLJV-85-38  | Claim No.<br>424074-3 |
| Date Hole Started<br>October 5, 1985 | Date Completed<br>October 6, 1985 | Date Logged<br>Oct 7/85  | Logged by<br>Date R. Alexander        |                          | 160 m   42.5                 |   | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>LaPeltrie Township |                       |
|                                      |                                   | Date Submitted           | Submitted by (Signature)              |                          | Ft.                          |   | Property Name<br>DLS - Turgeon   |                       |

| Footage |       | Rock Type      | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays    |    |    |
|---------|-------|----------------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|-----------|----|----|
| From    | To    |                |  |                      |                       |                 | From           | To |               | Au<br>ppb | Cu | Ni |
| 0       | 23.77 | Overburden     | Casing (casing pulled)   | %Strs                | %S=                   |                 |                |    |               |           |    |    |
| 23.77   | 97.0  | Mafic Volcanic | A sequence of schistose, layered very fine grained mafic volcanics. The rock varies from medium to dull greenish in colour and is moderately soft - hardness 4-5. The layering is defined by carbonate - rich and carbonate - poor sections in very strongly chloritized volcanics, and is enhanced by streaky sericite - chlorite + biotite alteration. Layering ranges from 50 - 60° to the core axis, and most of the rocks cleave in a similar direction. The carbonate in the system is largely calcite although there are local positive reactions to the presence of ankerite. The ankeritic sections often colour slightly more earthy to buff than the calcite zones. Aside from calcite streaks and calcite - rich layers, the core is poorly to moderately veined with quartz - calcite - the largest vein noted is found at 30.09 - 30.21m at 40°/80°. The core is only sparsely mineralized with rare traces of pyrite and chalcopyrite. Near the top of the hole, some of the carbonate sections are partly rusted as:<br>31 - 31.05m, 31.30 - 31.34m, 31.71 - 32.13m, 32.42 - 32.46m, 33.05 - 33.10m, 33.35 - 33.44m, 33.66 - 33.67m, 38.30 - 38.35, 44.15 - 44.26m and 49.28 - 49.40.<br>At 57.48 - 57.70m (@ 48°/40°) and 61.06 - 62.66m (@ 45°/50°), there are two more granular sections within the very fine grained chlorite - carbonate schist. The zones are apparently granular from a higher carbonate content and are not as strongly schistose as the adjacent rocks. | 15                   | trpycp                | M3685           | 30             | 31 | 1             | 10        |    |    |
|         |       |                |  | 5                    | -                     | 86              | 31             | 32 | 1             | 10        |    |    |
|         |       |                |  | 5                    | trcp                  | 87              | 32             | 33 | 1             | 20        |    |    |
|         |       |                |  | 10                   | -                     | 88              | 51             | 52 | 1             | 20        |    |    |
|         |       |                |  | 30                   | trpy                  | 89              | 52             | 53 | 1             | Nil       |    |    |
|         |       |                |  | 10                   | -                     | 90              | 53             | 54 | 1             | Nil       |    |    |
|         |       |                |  | 5                    | trpycp                | 91              | 54             | 55 | 1             | Nil       |    |    |



Drilling  
Log

# Queenston

|   |                |                  |                                 |               |  |   |                   |           |
|---|----------------|------------------|---------------------------------|---------------|--|---|-------------------|-----------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar                        | Location of hole in relation to a fixed point on the claim. | Map Reference No. | Claim No. |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       | Ft.           | Location (Twp., Lot, Con. or Lat. and Long.) |   |                   |           |
|   |                | Date Submitted   | Submitted by (Signature)        | Ft.           |  |   |                   |           |
|   |                |                  |                                 | Ft.           |  |   |                   |           |
|   |                |                  |                                 |               |  | Property Name   |                   |           |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |       | Sample Length | Assays |        |
|---------|----|-----------|---|----------------------|-----------------------|-----------------|----------------|-------|---------------|--------|--------|
| From    | To |           |   |                      |                       |                 | From           | To    |               | Au ppb | Zn ppm |
|         |    |           | layers of finely granular pyrite and some fuchsitic fractures at 45 - 55°. Accessory fine 'muddy' to disseminated pyrite is noted below 98m where this rock first becomes strongly sericitic and ankeritic.   | %Strs                | %S=                   |                 |                |       |               |        |        |
|         |    |           | From 99.14 - 99.43, there is a moderate graphite, minor pyrite component within grey sericitic carbonate rocks, followed by strong graphite with heavy pyrite to 100.0 m - layered at 40 - 45°. From 99.46 - 99.60m the graphite contains roughly 50% pyrite and from 100.0 - 100.26m, is massive pyrite with quartz veining.   | 30                   | 40%py                 | M3804           | 100            | 100.5 | .5            | 25     |        |
|         |    |           | Below the massive pyrite from 100.0 - 100.26m, the core contains intercalated graphitic and greyish to yellowish, sericitic carbonate rocks up to 103.22m where the main graphite zone begins. Layering in this section is at 45-50°. The pyrite content ranges from 10 - 15% over 100.0 - 101.15m to minor in amount from 101.15 - 103.22. There is a second section of massive pyrite in this area from 101.05 - 101.10m. | 15                   | 30% py                | 5               | 100.5          | 101   | .5            | Nil    |        |
|         |    |           | The main graphitic zone extends from 103.22 - 110.64m, and is layered/contorted at 20 - 45° to the core axis (average 40 - 45°). The graphitic rocks are intercalated with grey to yellowish sericitic - ankeritic rocks and are sparsely mineralized with a minor amount of pyrite.  | 15                   | 15% py                | 6               | 101            | 101.5 | .5            | Nil    |        |
|         |    |           | The base of the main graphitic zone is gouged and granulated from 108.70 - 110.64m and contains granular graphite mud/gouge with broken bits of veining, and is weakly sprinkled with pyrite. Core recovery is only .85m across this zone - there is 1m of lost core here (i.e. 50% recovery).  | minor                | minor py              | 7               | 101.5          | 102   | .5            | Nil    |        |
|         |    |           |   | "                    | "                     | 8               | 102            | 103   | 1             | Nil    |        |
|         |    |           |   | "                    | "                     | M3680           | 103            | 104   | 1             | Nil    |        |
|         |    |           |   | "                    | "                     | 79              | 104            | 105   | 1             | 30     |        |
|         |    |           |   | 10                   | 3% py                 | 78              | 105            | 106   | 1             | Nil    |        |
|         |    |           |   | minor                | trpy                  | 77              | 106            | 107   | 1             | Nil    |        |
|         |    |           |   | "                    | 3% py                 | 76              | 107            | 108   | 1             | 30     | 72     |



|                                      |                |                  |                                 |               |                       |   |  |           |  |
|--------------------------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br>BRADLEY BROTHERS |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                    | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|                                      |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|                                      |                |                  |                                 | Ft.           | Ft.                   |   | Property Name                                |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |        | Sample Length | Assays |         |  |
|---------|----|-----------|--|----------------------|-----------------------|-----------------|----------------|--------|---------------|--------|---------|--|
| From    | To |           |  |                      |                       |                 | From           | To     |               | AU oz  | Te      |  |
|         |    |           | From 110.64 - 111.26, blocky broken core of sericitic graphitic rocks with a narrow quartz veined cherty horizon/cherty breccia from 111.0 - 111.26m with a couple of splashes of visible gold at it's base. The lower contact of the cherty zone is broken at 38° (?)   | %Strs                | %S=                   |                 |                |        |               |        |         |  |
|         |    |           | From 111.26 - 117.37m, return to streaky contorted, yellowish grey to yellowish grey green sericite - ankerite ± chlorite schist with traces of pyrite, followed by moderately graphitic rocks with extraneous carbonate and traces of pyrite from 117.37 - 117.86m. The sericitic section is more strongly contorted than the graphitic unit, although layering averages 40 - 45° to the core axis. The base of the sequence from 117.86 - 120.13m is a yellowish grey to grey streaky sericite carbonate schist with traces of graphite. Within this zone there are two cherty sections from 119.33 - 119.74 at 25°/30° and 120.00 - 120.13m at 30°/50°. The cherty sections are finely layered at shallow angles to the core axis (20 - 30°) and contain traces of pyrite in narrow streaks. There is some accessory granular to muddy pyrite in this basal section - the two largest sections being at 119.17 - 119.33 @ 35°/25°, and 119.74 - 119.88m @ 25°/20°, which are in contact with the cherty rocks. Two other, narrow sections with heavy granular pyrite are found at 118.80m - a narrow streak @ 30°, and 119.07m - 1cm, @ 30°. This section is also fractured with fuchsite and appears to be a repeat of the very top of the sericite schist - graphitic tuff sequence noted from 98.10 - 99.14m. The lower contact of the graphitic | 10 gouge             | minor py              | M3668           | 108            | 108.70 | .7            | 0.002  |         |  |
|         |    |           |  | 15                   | minor py              | V.G.370         | 110.64         | 111.50 | 1.94          | 0.01   |         |  |
|         |    |           |  | 20                   | 3% py                 | 3675            | 111.50         | 112.   | .86           | 0.010  | <0.001% |  |
|         |    |           |  | 10                   | minor py              | 74              | 112            | 113    | .5            | Au 637 |         |  |
|         |    |           |  | 5                    | trpy                  | 73              | 113            | 114    | 1             | 170    |         |  |
|         |    |           |  | minor                | trpy                  | 72              | 114            | 115    | 1             | Nil    |         |  |
|         |    |           |  | 5                    | "                     | 71              | 115            | 116    | 1             | Nil    |         |  |
|         |    |           |  | minor                | "                     | 3681            | 116            | 117    | 1             | 10     |         |  |
|         |    |           |  | 10                   | minor                 | 82              | 117            | 118    | 1             | 30     |         |  |
|         |    |           |  | 15                   | 5% py                 | 83              | 118            | 119    | 1             | 10     |         |  |
|         |    |           |  | minor                | 25% py                | 84              | 119            | 120    | 1             | 50     |         |  |





Diamond  
Drilling  
Log



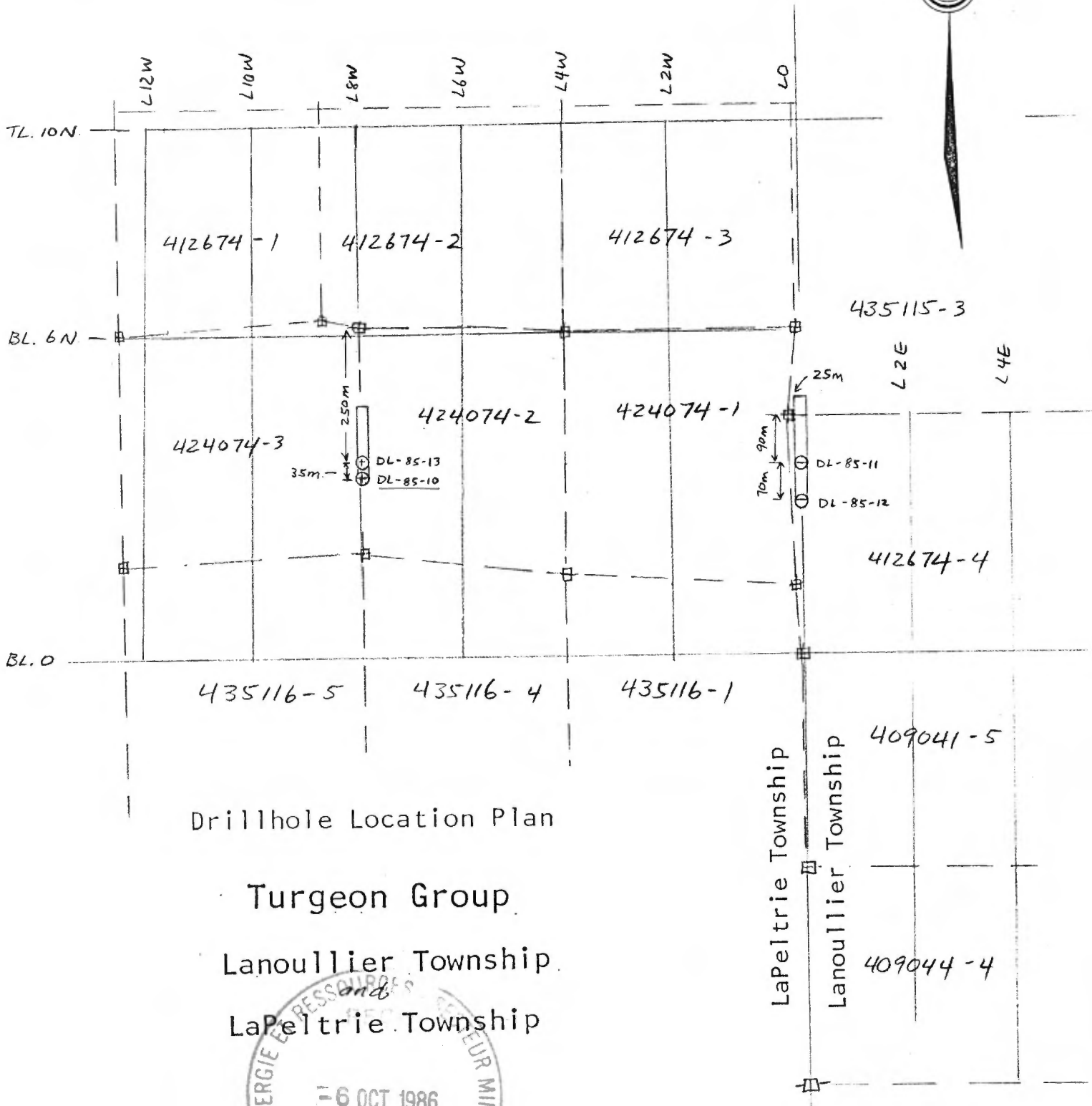
|   |                |                  |                                 |               |                       |   |  |           |  |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|   |                |                  |                                 |               | Ft.                   |   | Property Name                                |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |     | Sample Length | Assays |  |
|---------|----|-----------|--|----------------------|-----------------------|-----------------|----------------|-----|---------------|--------|--|
| From    | To |           |  |                      |                       |                 | From           | To  |               | Au ppb |  |
|         |    |           | content continues to increase with depth, and by 140.50m the rock is a dark grey green to dark green chloritic mafic volcanic. The rock is darker in colour but is not as thoroughly chloritic nor as soft as the chlorite - calcite schists at the top of the hole.   | 10                   | trpy                  | M3813           | 143            | 144 | 1             | Nil    |  |
|         |    |           | Circa 143.48m, there are isolated streaks of graphite/carbonaceous material and scattered sericitic - rich sections within the mafic volcanic (at 55-60°). This is followed by a granular chloritic - ankeritic unit from 143.72 - 143.89 at 55/50° before entering into a zone of intercalated graphite and greyish sericite - rich cherty rocks from 143.89 - 148.80m.   | 5                    | -                     | 14              | 144            | 145 | 1             | Nil    |  |
|         |    |           | The main zone with graphite (potentially non-conductive) extends from 145.40 - 146.60 and is layered at 45 - 50°. Above the main zone, from 143.89 - 145.40m the core contains intercalated units of graphite and sericitic chert; below the main zone most of the rock is a cherty sericitic schist. The cherty sections are normally light grey in colour, fine grained, partly carbonated, and streaked with chlorite, sericite and calcite - ankerite. There is an increasing chlorite component in the cherty sericitic rocks with depth approaching more normal, grey green mafic volcanics at 148.80 - layering at the contact is at 75°. | 10                   | -                     | 15              | 145            | 146 | 1             | Nil    |  |
|         |    |           | Below 148.80m, the rock is a dark grey green to dark green, chloritic, laminated mafic volcanic with streaks of calcite ± quartz at 60° to the core axis. There is a slight decrease in the streakiness of the rock after 162m and there are some coarse cubes of disseminated pyrite to 4mm on edge in this area from 161.70 - 163.40m. At 154.16m, there is 5mm of gouge at 55°  | 10                   | -                     | 16              | 146            | 147 | 1             | Nil    |  |
|         |    |           | At 163.40m, contact along quartz   | 10                   | -                     | 17              | 147            | 148 | 1             | Nil    |  |
|         |    |           |  | 10                   | -                     | 18              | 148            | 149 | 1             | Nil    |  |
|         |    |           |  | 10                   | -                     | 19              | 149            | 150 | 1             | Nil    |  |
|         |    |           |  | 15                   | trpy                  | M3812           | 161            | 162 | 1             | Nil    |  |
|         |    |           |  | 10                   | minor py              | 11              | 162            | 163 | 1             | 70     |  |
|         |    |           |  | 10                   | minor py              | 10              | 163            | 164 | 1             | 60     |  |
|         |    |           |  | 10                   | -                     | 09              | 164            | 165 | 1             | Nil    |  |



# Queenston

QUEENSTON GOLD MINES LIMITED



Drillhole Location Plan

Turgeon Group  
 Lanoullier Township  
 LaPeltrie Township



Scale 1:10,000.

|   |                                    |                             |                                       |                           |                             |   |   |                                    |
|---|------------------------------------|-----------------------------|---------------------------------------|---------------------------|-----------------------------|---|---|------------------------------------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                    | Collar Elevation<br>Surface | Bearing of hole from true North<br>0° | Total Footage<br>182.88 m | Dip of Hole at Collar<br>51 | Location of hole in relation to a fixed point on the claim.<br><br>From #4 post 412674-4<br>25m East<br>90m South | Map Reference No.<br>DLJV-85-39   | Claim No.<br>412674-4              |
| Date Hole Started<br>October 7, 1985        | Date Completed<br>October 12, 1985 | Date Logged<br>Oct 11, 16   | Logged by<br>Dale R. Alexander        |                           | 78.33 m   49                |   | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>Lanoullier Township | Property Name<br>DLS-Turgeon Group |
| SUMMARY LOG                                 |                                    | Date Submitted              | Submitted by (Signature)              |                           | 157.58 m   46.5             |   |   |                                    |
|   |                                    |                             |                                       |                           |                             | Grid Co-Ord: XLC@3+60N  |   |                                    |

| Footage                 |        | Rock Type      | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |  |  |
|-------------------------|--------|----------------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|--|--|
| From                    | To     |                |  |                      |                       |                 | From           | To |               |        |  |  |
| 0                       | 50.60  | Overburden     | Casing - casing pulled - 9.14mNW, 18.29m BW casing lost.<br>A first attempt at this hole was lost at 65.23m.   |                      |                       |                 |                |    |               |        |  |  |
| 50.60                   | 182.88 | Mafic Volcanic | Fine grained, medium to dark grey green moderately altered volcanics. In general, the rocks are poorly veined and sparsely mineralized.<br>50.60 - 61.74m: ankeritic, schistose zone with some accessory veining, strong chlorite, traces fuchsite.<br>61.74 - 111.66m: volcanics are variably speckled with chlorite.<br>111.66 - 139.91m: volcanics with pillowed and flowtop sections (?) Lapilli tuff 134.02 - 134.20m and 134.61 - 135.41m. Gouged sections - 121.95 - 122m, 135.41 - 135.47m, 135.61 - 1 cm.<br>139.91 - 192.99m: porphyritic mafic volcanics. |                      |                       |                 |                |    |               |        |  |  |
|                         | 182.88 |                | End of Hole  |                      |                       |                 |                |    |               |        |  |  |
| -no significant assays- |        |                |  |                      |                       |                 |                |    |               |        |  |  |

Diamond  
Drilling  
Log



Fill in on every page Hole No. DL-85-11 Page

|   |                                    |                               |                                       |                           |                               |  |   |                                      |
|---|------------------------------------|-------------------------------|---------------------------------------|---------------------------|-------------------------------|--|---|--------------------------------------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                    | Collar Elevation Surface      | Bearing of hole from true North<br>0° | Total Footage<br>182.88 m | Dip of Hole at x Collar<br>51 | Location of hole in relation to a fixed point on the claim.<br><br>From #4 Post 412674-4<br>25m East<br>90m South<br><br>Grid Co-Ord: XLO @3+60N | Map Reference No.<br>DL IV-85-39  | Claim No.<br>412674-4                |
| Date Hole Started<br>October 7, 1985        | Date Completed<br>October 12, 1985 | Date Logged<br>Oct 11 & 16/85 | Logged by<br>Dale R. Alexander        |                           | 78.33 m   49                  |  | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>Lanoullier Township | Property Name<br>DLS - Turgeon Group |
|   |                                    | Date Submitted                | Submitted by (Signature)              |                           | 157.58 m   46.5               |  |   |                                      |
|   |                                    |                               |                                       | Fl.                       | Fl.                           |  |   |                                      |

| Footage |        | Rock Type      | Description<br><small>Colour, grain size, texture, minerals, alteration, etc.</small>   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |    |    |
|---------|--------|----------------|---|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|----|----|
| From    | To     |                |   |                      |                       |                 | From           | To |               | Au     | Cu | Ni |
| 0       | 50.60m | Overburden     | Casing - bedrock potentially at 50.0m, tricone to 50.60m. A first attempt at this hole glanced off the bedrock at 50m(?) and was lost at 65.23m entering bedrock again casing broke at 50m. Casing pulled 9.14m NW, 18.29 BW lost.  | %Strs                | %S=                   |                 |                |    |               | ppb    |    |    |
| 50.60   | 182.88 | Mafic Volcanic | A sequence of fine grained, medium to dark grey green, moderately altered rocks with some accessory veining and alteration around the collar of the hole. At the collar, from 50.60 - 61.74m, the sequence is represented by dark grey green to dark green and brownish grey green, fine grained mafic volcanics with local bleached pale grey green to emerald green sections - normally around veining. Portions of this sequence, particularly from 60.0 - 61.74m are similar to the chlorite-carbonate schists/mafic volcanics seen at the collar of Turgeon hole 85-10, 800m W. The rocks vary from moderately schistose to crudely layered with carbonate and chlorite± biotite-rich sections - the most notable crudely layered section extends from 58.55 - 59.24m with quartz-carbonate-rich streaks, chlorite-rich streaks and biotite-chlorite-rich streaks at 40-45° to the core axis. Otherwise, most of this upper zone consists of lensoid to streaky carbonate alteration with a lamination at 50-55° to the core axis. The mafic volcanics are moderate to strongly chloritic and ankeritic - little calcite is noted in the upper section. The core averages 10-15% veining in irregular, milky to greyish quartz stringers often with ankeritic margins. In two areas, 51.60 - 51.80m and 55.60 - 55.90m the mafic volcanics are bleached pale grey green in colour and contain traces of fuchsite (?) adjacent to the veining. The core is very sparsely to unmineralized - | 15                   | -                     | M3938           | 50.60          | 51 | .4            | Nil    |    |    |
|         |        |                |   | 15                   | -                     | 39              | 51             | 52 | 1             | Nil    |    |    |
|         |        |                |   | 15                   | -                     | 40              | 52             | 53 | 1             | Nil    |    |    |
|         |        |                |   | minor                | trpy                  | 41              | 53             | 54 | 1             | Nil    |    |    |
|         |        |                |   | 5                    | -                     | 42              | 54             | 55 | 1             | Nil    |    |    |
|         |        |                |   | 10                   | trpy                  | 43              | 55             | 56 | 1             | Nil    |    |    |
|         |        |                |   | 5                    | "                     | 44              | 56             | 57 | 1             | Nil    |    |    |
|         |        |                |   | minor                | -                     | 45              | 57             | 58 | 1             | 10     |    |    |
|         |        |                |   | 30                   | trpy                  | 46              | 58             | 59 | 1             | Nil    |    |    |
|         |        |                |   | 15                   | "                     | 47              | 59             | 60 | 1             | Nil    |    |    |
|         |        |                |   | 10                   | -                     | 48              | 60             | 61 | 1             | Nil    |    |    |
|         |        |                |   | 20                   | -                     | 49              | 61             | 62 | 1             | Nil    |    |    |
|         |        |                |   | minor                | -                     | 50              | 62             | 63 | 1             | Nil    |    |    |



Drilling Log



|   |                |                  |                                 |               |                       |   |  |           |  |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br><b>BRADLEY BROTHERS =</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                             | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|   |                |                  |                                 | Ft.           | Ft.                   |   | Property Name                                |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |     | Sample Length | Assays |     |
|---------|----|-----------|---|----------------------|-----------------------|-----------------|----------------|-----|---------------|--------|-----|
| From    | To |           |   |                      |                       |                 | From           | To  |               | Au     | ppb |
|         |    |           | there are only local sections with scattered, disseminated cubes of pyrite as in the crudely layered sequence from 58.55 - 59.24m.  | %Strs                | %S=                   |                 |                |     |               |        |     |
|         |    |           | The lower contact of the upper section is along an irregular quartz vein from 61.64 - 61.74m, followed by blocky and broken core over the next 30cm.  |                      |                       |                 |                |     |               |        |     |
|         |    |           | Below 61.74, the rock is a moderately altered, medium to dark grey green and dark green, fine grained mafic volcanic that is neither as well veined nor as schistose/streaky as the upper zone.   |                      |                       |                 |                |     |               |        |     |
|         |    |           | The mafic volcanics are very fine grained rocks with fairly numerous ovoid to subrectangular blebs of chlorite averaging 3-5mm in size. There are rare sections of fine grained massive rocks. The core is moderately altered with chlorite ± calcite and is cut by irregular, milky calcite to dull, opaque, yellowish green, epidote - calcite ± pinkish carbonate - chlorite, fractures and stringer aggregates. |                      |                       |                 |                |     |               |        |     |
|         |    |           | There are two apparent sets of calcitic stringers, at 40-50° to the core axis and at 0-30° to the core axis - relative ages being ambiguous.  |                      |                       |                 |                |     |               |        |     |
|         |    |           | The speckled chloritic nature of the core diminishes around 95m, such that this phenomenon is absent, except in very local sections below that point. The rock grades to a medium to dark grey green, fairly uniform mafic volcanic cut by irregular fractures and stringers of calcite ± quartz, pinkish calcite and dull epidote alteration.  | 5                    | -                     | M3937           | 95             | 96  | 1             | Nil    |     |
|         |    |           | At 111.66 - 112.63m, there is a narrow breccia horizon/flow top breccia beneath a slightly darker grey green, fine grained mafic volcanic circa 108-111.66m. The flow top appears to relate   | minor                | -                     | 36              | 112            | 113 | 1             | Nil    |     |

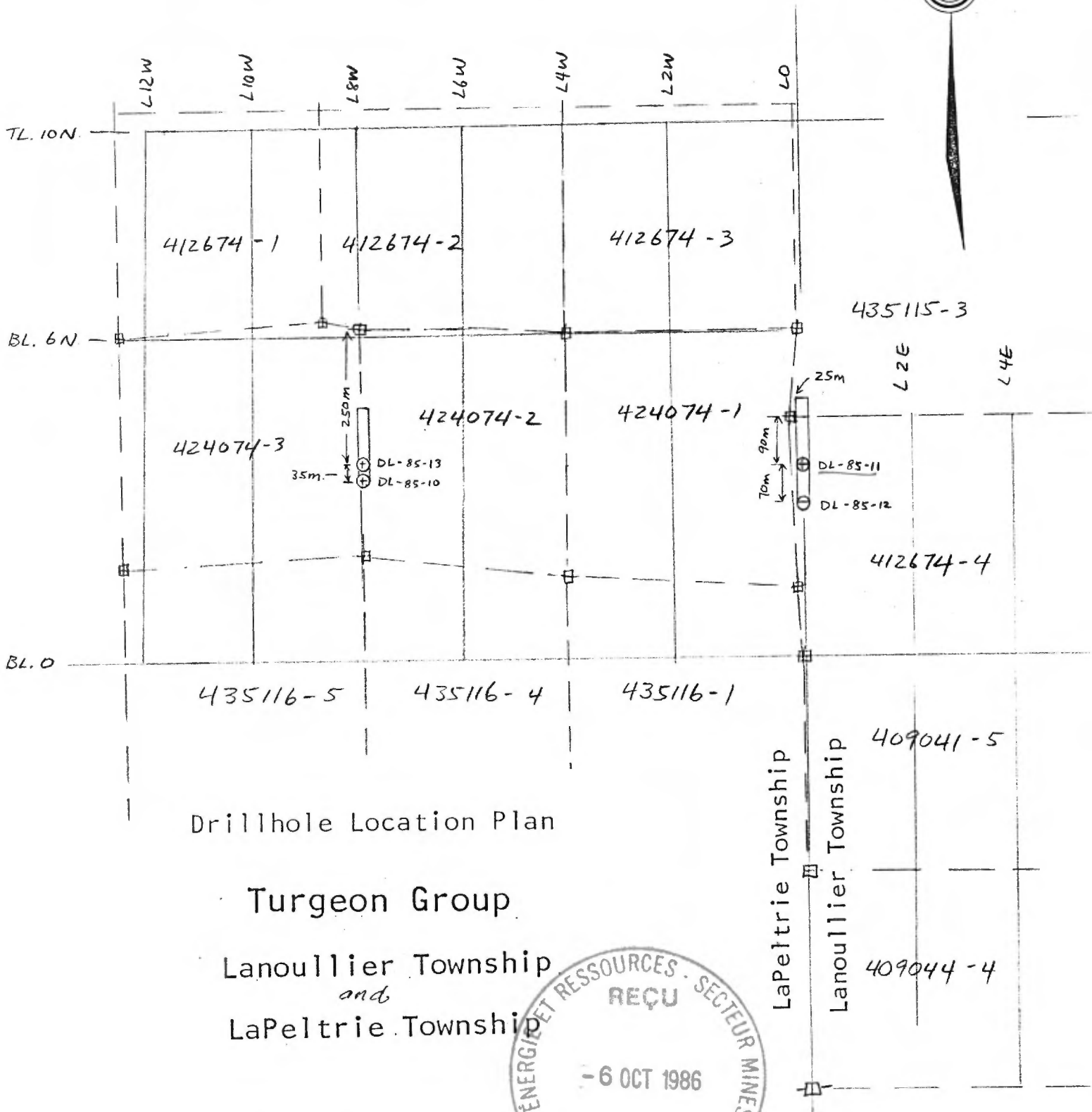
Drilling  
Log



|   |                |                  |                                 |               |                       |   |  |           |  |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|   |                |                  |                                 | Ft.           | Property Name         |   |  |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |     | Sample Length | Assays |  |
|---------|----|-----------|---|----------------------|-----------------------|-----------------|----------------|-----|---------------|--------|--|
| From    | To |           |   |                      |                       |                 | From           | To  |               | Au ppb |  |
|         |    |           | to the underlying unit (i.e. tops south) since the upper contact of the breccia is fairly sharp at 45°, while the lower contact is gradational into grey green mafic volcanics. The flow top breccia consists of mafic volcanic fragments in a network of fine carbonate-rich material. Fragments range up to 4cm in size and are weakly alligned at 45-50° to the core axis near the top of the section. | 15                   | -                     | M3935           | 122            | 123 | 1             | Nil    |  |
|         |    |           | At 121.95 - 122m, there is some granulated, gouged core followed by accessory veining with orange-red iron (?) staining from 122.08 - 122.28m, and blocky core to 123.40m - a minor fault??. Around the area of the gouge, the core is bleached pale grey green and is weakly ankeritic.  |                      |                       |                 |                |     |               |        |  |
|         |    |           | Around 131m, there is a weakly pillowed appearance to the core with irregularly spaced chloritic zones that could be interpreted as selvage material.   |                      |                       |                 |                |     |               |        |  |
|         |    |           | At 133.09m, the core grades softer, more chloritic, calcitic, weakly talcose and more strongly schistose (at 35-50°). The rock contains isolated sections with stretched lenses of chlorite (fragments?) and two potential zones of lapilli tuff at 134.02 - 134.20 @ 35°; and 134.61 - 135.41 @ 50°/35° - both units are linedated/schistose at 50°.   | 10                   | -                     | 34              | 133            | 134 | 1             | Nil    |  |
|         |    |           | The lower contact of the second lapilli tuff unit is along mud gouge from 135.41 - 135.47m at 35°, with another 1cm of mud gouge at 135.61 @ 35°. The core is partly blocky and broken to 137.40m.  | 15                   | -                     | 33              | 134            | 135 | 1             | Nil    |  |
|         |    |           | The unit below the lapilli tuff sections appears to be fine grained pillowed mafic volcanics with biotite-rich selvage zones containing accessory pyrite. The pillow margins (?) are bleached, cherty   | 10                   | -                     | 32              | 135            | 136 | 1             | Nil    |  |
|         |    |           |   | 5                    | trpy                  | 31              | 136            | 137 | 1             | Nil    |  |
|         |    |           |   | minor                | "                     | 30              | 137            | 138 | 1             | Nil    |  |
|         |    |           |   | "                    | .-                    | 29              | 138            | 139 | 1             | Nil    |  |





Drillhole Location Plan

Turgeon Group  
 Lanoullier Township  
 and  
 LaPeltrie Township



Scale 1:10,000.





**Diamond  
Drilling  
Log**



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| Hole No.  | Page No. |
| DL-85-12  | 2        |
| Claim No. |          |

|   |                |                  |                                 |               |                       |   |  |               |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|---------------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No.     |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) | Property Name |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |               |
|   |                |                  |                                 | Ft.           |                       |   |  |               |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle<br>%Strs | Core Specimen Footage<br>%S= | Your Sample No. | Sample Footage |    | Sample Length | Assays    |    |    |
|---------|----|-----------|---|-------------------------------|------------------------------|-----------------|----------------|----|---------------|-----------|----|----|
| From    | To |           |   |                               |                              |                 | From           | To |               | Au<br>ppb | Cu | Ni |
|         |    |           | A weak pinkish hue is retained in some of the carbonate-rich layers down to the base of a rusty weathered, ankeritic section from 22.88 - 23.27m. Below 23.27m, there are very local, narrow (in the order of 2 - 3cm) partly rusted sections down to 26.82m, with only one other isolated rusty section (3cm) noted at 30.25m. The core is strongly altered with chlorite and carbonate plus minor epidote-sericite at the collar of the hole. Sericite becomes a major alteration product below 51.5m. In the early part of the sequence, many of the slip faces seem to be talcose, and there appears to be a weak, bluish grey to blue black serpentine component in the area 25.30 - 27.0m. The rock is soft (hardness 4 or less) and some of the chloritic layers are locally granular with ankerite. |                               |                              |                 |                |    |               |           |    |    |
|         |    |           | Around 49m the mafic volcanics grade more strongly ankeritic such that the majority of the rock is dull beige to greyish beige in colour with dark chloritic sections and streaks. Around 51.5m, there is a strong introduction of yellowish to clear, micaceous sericite at the apparent expense of chlorite - the base of the sequence consisting of sericite-chlorite-ankerite-rich zones and chlorite-ankerite-rich zones that are layered at 40 - 45°.   |                               |                              |                 |                |    |               |           |    |    |
|         |    |           | The lower contact zone of the mafic volcanics (56.08 - 63.35m) is a narrow sequence of sericitic carbonate rocks presumed to be related to the mafic volcanic package, but was logged separately in hole 85 - 10. The zone varies from yellowish grey to straw and ochre coloured with dull grey to grey brown portions (the ankeritic member). The core is more crudely layered and contorted than previous with core  |                               |                              |                 |                |    |               |           |    |    |
|         |    |           |   |                               |                              | M5009           | 47             | 48 | 1m            | Nil       |    |    |
|         |    |           |   |                               |                              | 10              | 48             | 49 | 1             | Nil       |    |    |
|         |    |           |   |                               |                              | 11              | 49             | 50 | 1             | 30        |    |    |
|         |    |           |   |                               |                              | 12              | 50             | 51 | 1             | 690       |    |    |
|         |    |           |   |                               |                              | 13              | 51             | 52 | 1             | Nil       |    |    |
|         |    |           |   |                               |                              | 14              | 52             | 53 | 1             | 10        |    |    |
|         |    |           |   |                               |                              | 15              | 53             | 54 | 1             | 10        |    |    |
|         |    |           |   |                               |                              | 16              | 54             | 55 | 1             | 230       |    |    |











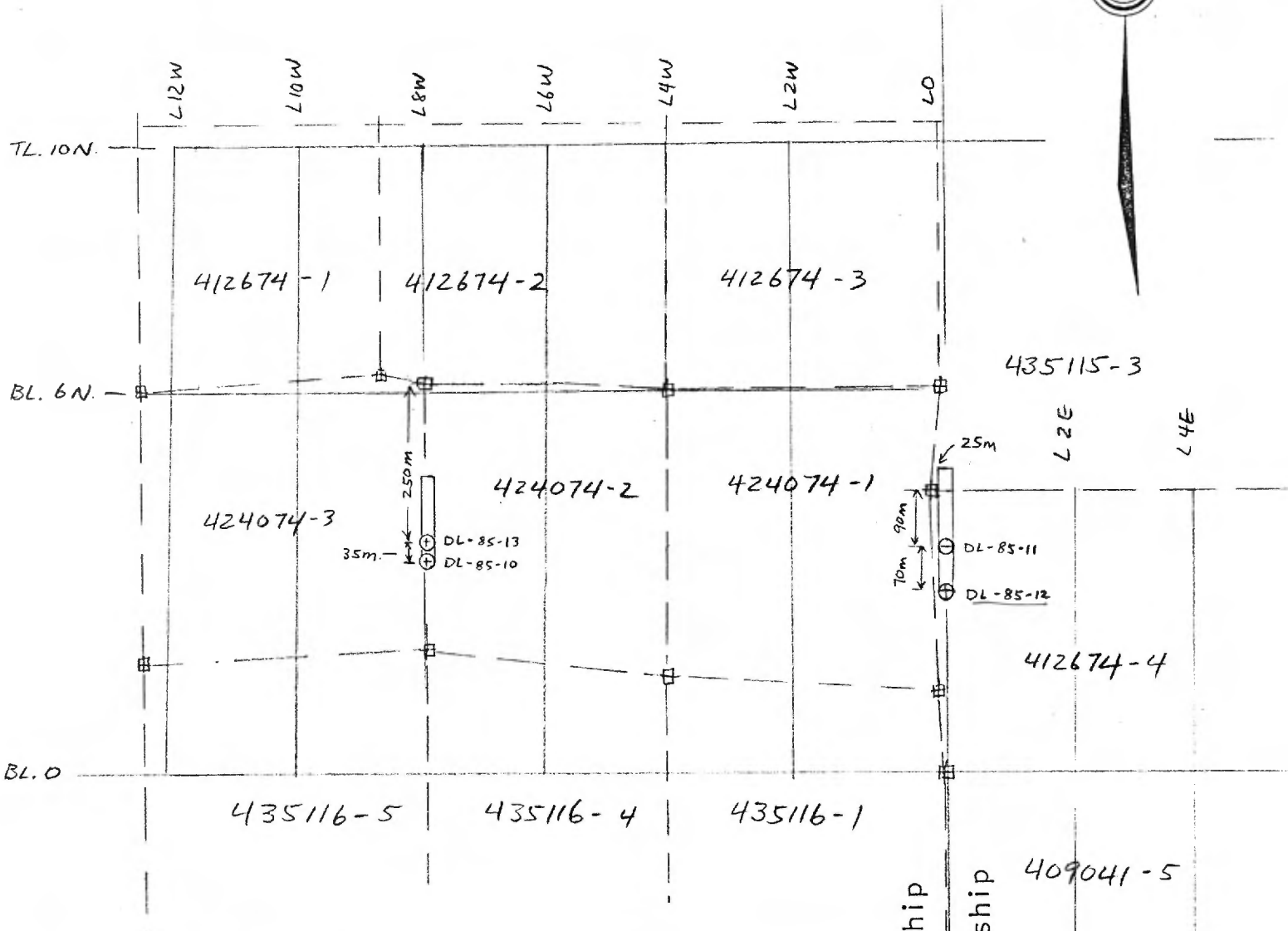


DDH DL-85-12  
SLUDGES

| From  | to      | Sample No. | Au ppb |
|-------|---------|------------|--------|
| 20.4  | - 23.5  | 67-77      | 10     |
| 23.5  | - 26.5  | 77-87      | 90     |
| 26.5  | - 29.6  | 87-97      | 40     |
| 29.6  | - 32.6  | 97-107     | 80     |
| 32.6  | - 35.7  | 107-117    | 50     |
| 35.7  | - 38.7  | 117-127    | Nil    |
| 38.7  | - 41.8  | 127-137    | 20     |
| 41.8  | - 44.8  | 137-147    | 80     |
| 44.8  | - 47.9  | 147-157    | 80     |
| 47.9  | - 50.9  | 157-167    | 1440   |
| 50.9  | - 53.9  | 167-177    | 1300   |
| 53.9  | - 57.0  | 177-187    | 1650   |
| 57.0  | - 60.0  | 187-197    | 1885   |
| 60.0  | - 63.1  | 197-207    | 3325   |
| 63.1  | - 66.1  | 207-217    | 1580   |
| 66.1  | - 69.2  | 217-227    | 1230   |
| 69.2  | - 72.2  | 227-237    | 860    |
| 72.2  | - 75.3  | 237-247    | 390    |
| 75.3  | - 78.3  | 247-257    | 180    |
| 78.3  | - 81.4  | 257-267    | 230    |
| 81.4  | - 84.4  | 267-277    | 310    |
| 84.4  | - 87.5  | 277-287    | 100    |
| 87.5  | - 90.5  | 287-297    | 60     |
| 90.5  | - 93.6  | 297-307    | 20     |
| 93.6  | - 96.6  | 307-317    | 30     |
| 96.6  | - 99.7  | 317-327    | 70     |
| 99.7  | - 102.7 | 327-337    | 475    |
| 102.7 | - 105.8 | 337-347    | 80     |
| 105.8 | - 108.8 | 347-357    | 90     |
| 108.8 | - 111.9 | 357-367    | 60     |
| 111.9 | - 114.9 | 367-377    | 30     |
| 114.9 | - 118.0 | 377-387    | 30     |

## DDH DL-85-12

| From  | to      | Sample No. | Au ppb |
|-------|---------|------------|--------|
| 118   | - 121.0 | 387-397    | 80     |
| 121.0 | - 124.1 | 397-407    | 30     |
| 124.1 | - 127.1 | 407-417    | 30     |
| 127.1 | - 130.1 | 417-427    | 30     |
| 130.1 | - 133.2 | 427-437    | 1580   |
| 133.2 | - 136.2 | 437-447    | 1010   |
| 136.2 | - 139.3 | 447-457    | 440    |
| 139.3 | - 142.3 | 457-467    | 200    |
| 142.3 | - 145.4 | 467-477    | 150    |
| 145.4 | - 148.4 | 477-487    | 190    |
| 148.4 | - 151.5 | 487-497    | 80     |
| 151.5 | - 154.5 | 497-507    | 340    |
| 154.5 | - 157.6 | 507-517    | 960    |
| 157.6 | - 160.6 | 517-527    | 210    |
| 160.6 | - 163.7 | 527-537    | 260    |
| 163.7 | - 166.7 | 537-547    | 360    |
| 166.7 | - 169.8 | 547-557    | 225    |
| 169.8 | - 172.8 | 557-567    | 180    |
| 172.8 | - 175.9 | 567-577    | 130    |
| 175.9 | - 178.9 | 577-587    | 60     |
| 178.9 | - 182.0 | 587-597    | 60     |



Drillhole Location Plan

Turgeon Group  
 Lanoullier Township  
 and  
 LaPeltrie Township



Scale 1:10,000.





Diamond  
Drilling  
Log

# Queenston

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Hole No.  
DL-85-13 Page No.  
1

|   |                                    |                             |                                      |                          |                             |  |  |                                      |
|---|------------------------------------|-----------------------------|--------------------------------------|--------------------------|-----------------------------|--|--|--------------------------------------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                    | Collar Elevation<br>Surface | Bearing of hole from true North<br>0 | Total Footage<br>122.22m | Dip of Hole at Collar<br>47 | Location of hole in relation to a fixed point on the claim.<br>From #1 Post 424074-3<br>250m South<br>0 m East<br><br>Grid Co-Ord: XL8W@3+75N<br>35mNof DL-85-10 | Map Reference No.<br>DLJV-85-38  | Claim No.<br>424074-3                |
| Date Hole Started<br>October 22, 1985       | Date Completed<br>October 24, 1985 | Date Logged<br>Oct 24, 25   | Logged by<br>Dale R. Alexander       |                          | 122.22 m   40.5             |  | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>LaPeltrie Township | Property Name<br>DLS - Turgeon Group |
|   |                                    | Date Submitted              | Submitted by (Signature)             |                          | Fl.                         |  |  |                                      |
|   |                                    |                             |                                      | Fl.                      | Fl.                         |  |  |                                      |

| Footage |       | Rock Type       | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays    |  |
|---------|-------|-----------------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|-----------|--|
| From    | To    |                 |  |                      |                       |                 | From           | To |               | Au<br>ppb |  |
| 0       | 34    | Overburden      | Casing - all casing pulled   | %Strs                | %S=                   |                 |                |    |               |           |  |
| 34      | 51.96 | Mafic Volcanics | A sequence of chlorite carbonate schists identical to the rocks at the collar of hole 85-10, 35m south. The only difference in this sequence is the inclusion of the lower strongly sericitic unit with the mafic volcanic package similar to the approach in hole 85-12, 800m East. The chlorite-carbonate schists are fine grained; medium to dark green in colour and moderate to strongly laminated/schistose at 55-60° to the core axis. The rocks are strongly altered with chlorite and carbonate - the carbonate being a mixture of calcite and ankerite from the start of the hole. Ankerite becomes the dominant carbonate mineral circa 46.5m. Layering is defined by chlorite-rich and carbonate-rich sections and is locally enhanced by knots, lenses and discontinuous stringers of quartz-carbonate. Only traces of pyrite are noted in the early part of the sequence although there are two narrow lenses of near-massive, granular pyrite in the schist between 35.13 and 35.16m. There is a minor amount of rusting from carbonate in the mafic volcanics from 44.42 - 44.47m, 44.56 - 44.65m, 45.13 - 45.82 and in the lower sericitic zone from 51.19 - 51.96m. Just above the first rusty section at 43.20m and extending down to 45.43m, some of the quartz-calcite stringers are pitted and vuggy and contain pinkish-stained carbonate. There are also isolated grains of magnetite noted in this area. At 45.58m there is a dramatic, although gradational increase in the amount of buff, earthy | 25                   | trpy                  | M3951           | 34             | 35 | 1             | Nil       |  |
|         |       |                 |  | 15                   | 3% py                 | 52              | 35             | 36 | 1             | Nil       |  |
|         |       |                 |  | 30                   | trpymgt               | 53              | 43             | 44 | 1             | Nil       |  |
|         |       |                 |  | 15                   | "                     | 54              | 44             | 45 | 1             | Nil       |  |
|         |       |                 |  | 10                   | "                     | 55              | 45             | 46 | 1             | Nil       |  |
|         |       |                 |  | minor                | "                     | 56              | 46             | 47 | 1             | 50        |  |
|         |       |                 |  | "                    | trpy                  | 57              | 47             | 48 | 1             | 30        |  |
|         |       |                 |  | "                    | "                     | 58              | 48             | 49 | 1             | Nil       |  |
|         |       |                 |  | "                    | "                     | 59              | 49             | 50 | 1             | Nil       |  |



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Drilling  
Log



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Hole No.  
DL-85-13 Page No.  
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|   |                |                  |                                 |               |                       |   |  |           |  |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|   |                |                  |                                 | Ft.           | Ft.                   |   | Property Name                                |           |  |

| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |     |
|---------|----|-----------|---|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|-----|
| From    | To |           |   |                      |                       |                 | From           | To |               | Au     | ppb |
|         |    |           | non-existent felsic rocks as the section 62.74 - 63.85m.  | %Strs                | %S=                   |                 |                |    |               |        |     |
|         |    |           | The felsic rocks vary from an earthy, medium to light grey and yellow grey colour, and are weakly to moderately schistose/foliated at 45-50°. The rock is essentially composed of chert and sericite (mainly the clear, micaceous sericite), and is pervasively altered with ankerite. Locally the felsic rocks contain isolated lenses/'eyes' of quartz similar to most of the sequence in hole 85-12. One of the felsic units, from 60.28 - 61.33m @ 40/55°, is softer, more strongly altered with ankerite and contains trace amounts of chlorite and fuchsite. In general the sequence is poorly veined, except around the contact zones, and is sparsely to moderately mineralized with pyrite. The pyrite occurs as small dirty blebs of pyrite mud, with brassier disseminations, fine grained aggregates and streaks. Core angles in the sequence are shallower than previous, averaging from 45-50° with some of the graphitic units being contorted from 0-90° to the core axis. Portions of the zone are weakly rusted from carbonate. At 63.03 (5mm @ 50°) and 63.16 - 63.18m (@ 70°) is gouged/granulated graphite, and, at 64.81 - 65.0m some of the felsic rocks are granulated/gouged. The lower section (64.81 - 65.0m) marks the start of a more strongly veined lower contact zone with quartz veining and/or cherty breccias extending into the underlying unit (as 65.72 - 66.0m). There is also an inclusion (?) of veined/brecciated sericitic-ankeritic rocks in this section from 65.21 - 65.35m @ 60°, containing accessory pyrite and traces of fuchsite at the margins. The lower contact is irregular with | minor trpy           |                       | M3971           | 60             | 61 | 1             | Nil    |     |
|         |    |           |   | "                    | minor py              | 72              | 61             | 62 | 1             | Nil    |     |
|         |    |           |   | "                    | trpy                  | 73              | 62             | 63 | 1             | Nil    |     |
|         |    |           |   | "                    | 3% py                 | 74              | 63             | 64 | 1             | 30     |     |
|         |    |           |   | "                    | trpy                  | 75              | 64             | 65 | 1             | Nil    |     |

|   |                |                  |                                 |               |                       |   |  |           |  |
|---|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|-----------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |  |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |  |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |           |  |
|   |                |                  |                                 | Ft.           | Ft.                   |   | Property Name                                |           |  |

| Footage |        | Rock Type       | Description<br><small>Colour, grain size, texture, minerals, alteration, etc.</small>   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |      | Sample Length | Assays |  |
|---------|--------|-----------------|---|----------------------|-----------------------|-----------------|----------------|------|---------------|--------|--|
| From    | To     |                 |   |                      |                       |                 | From           | To   |               | Au     |  |
|         |        |                 | veining at 48°.   | %Strs                | %S=                   |                 |                |      |               |        |  |
| 65.72   | 122.22 | Mafic Volcanics | A mixed sequence of variably altered rocks, all of which appear to be part of the mafic volcanic package as described in hole 85 - 12 (800m East), although more normal grey green, fine grained mafic volcanics are not encountered until approximately 83.5m. Contacts between units are defined by a variety of characteristics although the changes between 65.72 and 83.5m are overall gradational variations.   | 40                   | 3% py                 | M3976           | 65             | 66   | 1             | 190    |  |
|         |        |                 |   | 10                   | minor py              | 77              | 66             | 67   | 1             | 80     |  |
|         |        |                 |   | 10                   | "                     | 78              | 67             | 67.5 | .5            | 665    |  |
|         |        |                 |   | 10                   | 10% py                | 79              | 67.5           | 68   | .5            | 490    |  |
|         |        |                 |   | minor                | 15% py                | 80              | 68             | 68.5 | .5            | 40     |  |
|         |        |                 |   | 15                   | trpy                  | 81              | 68.5           | 69   | .5            | 50     |  |
|         |        |                 |   | minor                | trpy                  | 82              | 69             | 70   | 1             | 30     |  |
|         |        |                 | At the upper contact zone the rocks are dull yellow brown to grey brown and ochre coloured, and are rich in sericite and ankerite. The core is strongly veined from 65.72 - 66.0m with, minor accessory pyrite and veining from 66.0 - 67.70m. At 67.70, contact at 40° into streaky, ochre-coloured, sericitic, ankeritic rocks with accessory dull pyrite mud and granular pyrite in stretched lenses and 2-3mm layers at 25-45 to the core axis. This section contains traces of fuchsite, and is very similar in appearance to the zone 51.80 - 51.96m at the upper contact with the graphitic tuff-felsic sequence. From 68.46 - 68.61m @ 43/40° and 68.74 - 68.98m @ 30°, there are two, narrower, grey sections of potential felsic rocks marking the transition from the sericitic-ankeritic sequence with accessory pyrite from 67.70 - 68.46m to streaky, layered, contorted mafic volcanics below 68.98m. The intervening section between the narrow felsic units (i.e. 68.61 - 68.74m) is a dull yellow brown, sericite-ankerite-rich mafic volcanic. | 5                    | -                     | 83              | 70             | 71   | 1             | Nil    |  |
|         |        |                 |   | 5                    | -                     | 84              | 71             | 72   | 1             | 30     |  |
|         |        |                 |   | minor                | trpy                  | 85              | 72             | 73   | 1             | 20     |  |
|         |        |                 |   | "                    | "                     | 86              | 73             | 74   | 1             | Nil    |  |
|         |        |                 |   | 5                    | "                     | 87              | 74             | 75   | 1             | Nil    |  |

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|---|----------------|------------------|---------------------------------|---------------|--------------------------|---|--|-----------|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at<br>Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No. |
| Date Hole Started                           | Date Completed | Date Logged      | Logged by                       |               | Ft.                      |   | Location (Twp., Lot, Con. or Lat. and Long.) |           |
|   |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                      |   |  |           |
|   |                |                  |                                 | Ft.           |                          |   |  |           |
|   |                |                  |                                 | Ft.           | Property Name            |   |  |           |

| Footage |    | Rock Type | Description<br><small>Colour, grain size, texture, minerals, alteration, etc.</small>  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |     |
|---------|----|-----------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|-----|
| From    | To |           |  |                      |                       |                 | From           | To |               | As     | ppb |
|         |    |           | rich mafic volcanics from 68.98 - 71.29m exhibit an average layering of 40°, defined by grey green to grey brown chlorite-ankerite sections and earthy, buff to beige ankerite-sericite-rich sections. The rocks contain a minor amount of knots and discontinuous stringers of quartz-carbonate, and are very sparsely to unmineralized.  | 5                    | trpy                  | M3988           | 75             | 76 | 1             | Nil    |     |
|         |    |           | Portions of this zone are contorted from 25 - 60° to the core axis. The lower contact is at 55°.   | 10                   | "                     | 89              | 76             | 77 | 1             | Nil    |     |
|         |    |           | From 71.29 - 79.05m, the mafic volcanics are more coarsely laminated with scattered thinly laminated/streaky sections. The majority of the rock in this zone is buff to beige in colour and strongly ankeritic with erratic grey brown to grey green and ochre coloured sections plus a couple of greyer, more-cherty sections.  | 5                    | "                     | 90              | 77             | 78 | 1             | 30     |     |
|         |    |           | Layering ranges from 45 - 65° to the core axis, averaging about 50°. The rocks are poorly veined and sparsely to unmineralized.  | 5                    | trpy                  | 91              | 78             | 79 | 1             | 25     |     |
|         |    |           | Around 79.05m, the rocks, become more thinly laminated again (on average at 60°), and grade through yellowish grey, to brownish grey and putty coloured sericite-ankerite units, to darker grey brown, yellowish grey and grey rocks with buff coloured streaky sections at 80.95m.  | 5                    | "                     | 92              | 79             | 80 | 1             | Nil    |     |
|         |    |           | Around 83.47m, the chlorite component becomes stronger at the apparent expense of sericite and the rocks grade to more normal, medium to dark grey green, brownish grey green, and grey brown mafic volcanics that are schistose/laminated at 40 - 65° to the core axis. Many of the chloritic streaks/layers in this section, that extends to 89.40m, are contorted and very dark in colour although none can be positively identified as graphite. It is also with the start of these darker coloured rocks, that calcite is | 5                    | "                     | 93              | 80             | 81 | 1             | Nil    |     |
|         |    |           |  | minor                | "                     | 94              | 81             | 82 | 1             | Nil    |     |
|         |    |           |  | 5                    | "                     | 95              | 82             | 83 | 1             | 10     |     |
|         |    |           |  | 5                    | "                     | 96              | 83             | 84 | 1             | Nil    |     |
|         |    |           |  | 10                   | "                     | 97              | 84             | 85 | 1             | Nil    |     |



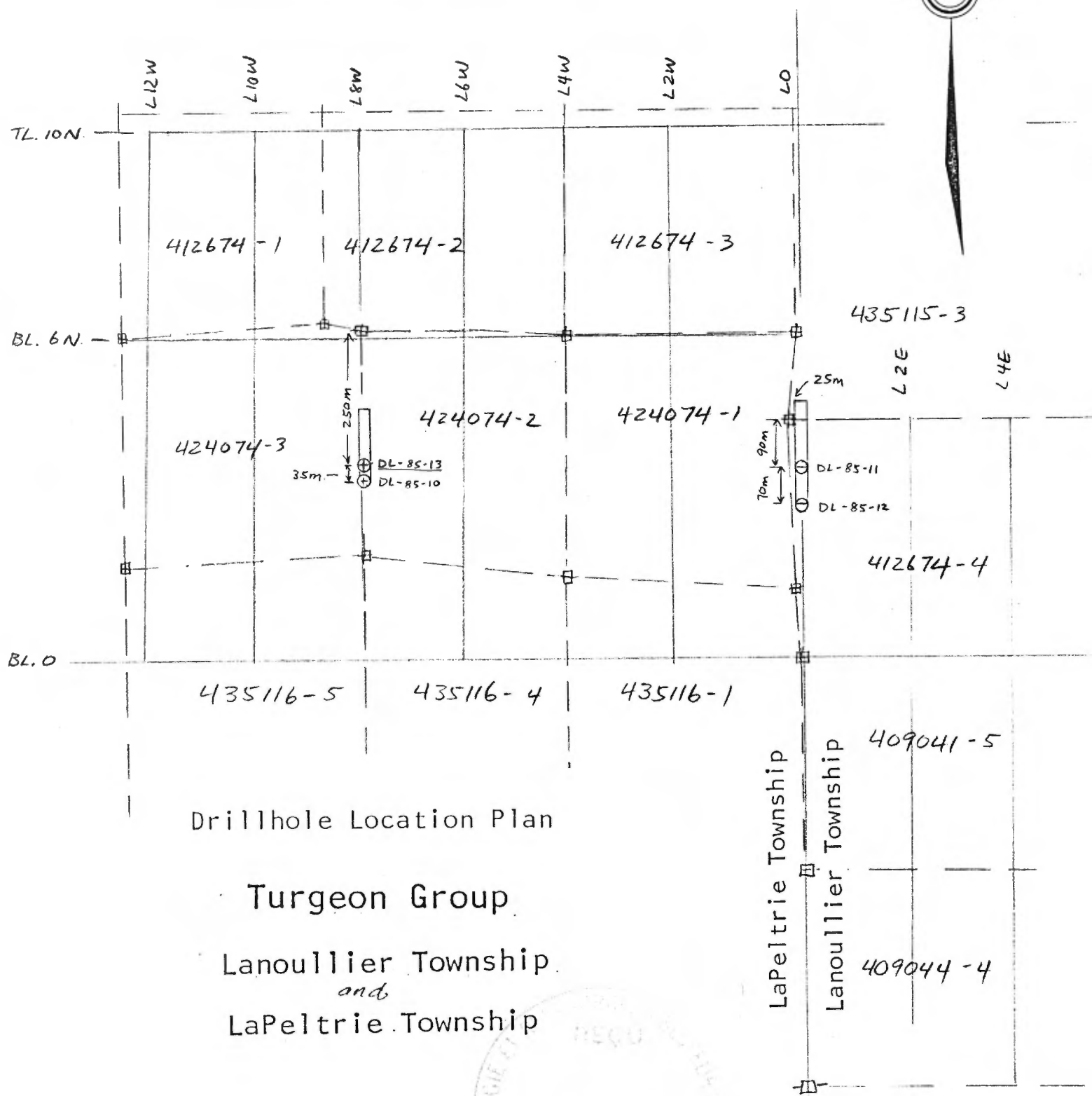


DDH DL-85-13  
SLUDGES

| From   | to     | Interval | Au ppb    |
|--------|--------|----------|-----------|
| 34 -   | 35.7   | 117'     | Nil       |
| 35.7-  | 38.7   | 117-127  | Nil       |
| 38.7-  | 41.8   | 127-137  | Nil       |
| 41.8-  | 44.8   | 137-147  | 10        |
| 44.8-  | 47.9   | 147-157  | 210       |
| 47.9-  | 50.9   | 157-167  | 50        |
| 50.9-  | 53.9   | 167-177  | Nil       |
| 53.9-  | 57.0   | 177-187  | Nil       |
| 60.0-  | 63.1   | 197-207  | Nil       |
| 63.1-  | 66.1   | 207-217  | 110       |
| 66.1-  | 69.2   | 217-227  | 460       |
|        |        |          | 620 } 540 |
| 69.2-  | 72.2   | 227-237  | 100       |
| 72.2-  | 75.3   | 237-247  | 180       |
| 75.3-  | 78.3   | 247-257  | 240       |
| 78.3-  | 81.4   | 257-267  | 80        |
| 81.4-  | 84.4   | 267-277  | 70        |
| 84.4-  | 87.5   | 277-287  | 10        |
| 87.5-  | 90.5   | 287-297  | 30        |
| 90.5-  | 93.6   | 297-307  | Nil       |
| 93.6-  | 96.6   | 307-317  | 20        |
|        |        |          | 40 } 30   |
| 96.6-  | 99.7   | 317-327  | 10        |
| 99.7-  | 102.7  | 327-337  | 30        |
| 102.7- | 105.8  | 337-347  | Nil       |
| 105.8- | 108.8  | 347-357  | Nil       |
| 108.8- | 111.9  | 357-367  | 30        |
| 111.9- | 114.9  | 367-377  | 30        |
| 114.9- | 118.80 | 377-387  | Nil       |
| 118.0- | 121.0  | 387-397  | 20        |
| 121.0- | 122.2  | 397-407  | 30        |







Drillhole Location Plan

Turgeon Group  
 Lanoullier Township  
 and  
 LaPeltrie Township



Scale 1:10,000.

|   |                                    |                           |                                      |                          |                             |   |   |                                      |  |
|---|------------------------------------|---------------------------|--------------------------------------|--------------------------|-----------------------------|---|---|--------------------------------------|--|
| Drilling Company<br><b>BRADLEY BROTHERS</b> |                                    | Collar Elevation Surface  | Bearing of hole from true North<br>0 | Total Footage<br>133.20m | Dip of Hole at Collar<br>45 | Location of hole in relation to a fixed point on the claim.<br>From #1 Post 409041-2<br>22m W<br>219m S | Map Reference No.<br>DLJV-85-40   | Claim No.<br>409041-2                |  |
| Date Hole Started<br>October 24, 1985       | Date Completed<br>October 27, 1985 | Date Logged<br>Oct 28, 29 | Logged by<br>Dale R. Alexander       |                          | 130.15m   39.5              |   | Location (Twp., Lot, Con. or Lat. and Long.)<br><br>Lanoullier Township | Property Name<br>DLS - Turgeon Group |  |
|   |                                    | Date Submitted            | Submitted by (Signature)             |                          | Ft.                         |   |   |                                      |  |
|   |                                    |                           |                                      |                          | Ft.                         | Grid Co-Ord: XL10E@6+20S  |   |                                      |  |

| Footage |        | Rock Type                           | Description<br>Colour, grain size, texture, minerals, alteration, etc.   | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |    |    |
|---------|--------|-------------------------------------|--|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|----|----|
| From    | To     |                                     |  |                      |                       |                 | From           | To |               | Au     | Cu | Ni |
| 0       | 69.20  | Overburden                          | Casing - casing driven to 69.30m All casing pulled   | %Strs                | %S=                   |                 |                |    |               | ppb    |    |    |
| 69.20   | 133.20 | Mafic Volcanics/<br>Volcaniclastics | A sequence of mafic flows, tuffs, and /or volcaniclastics that can be subdivided into a couple of major units along a zone of gouged and granulated graphite, from 92.41 - 93.57m.<br>The upper half of the sequence consists of very fine grained, almost amorphous mafic flows separated by narrow, granular, carbonate-rich horizons. Around 85.04m the sequence becomes more distinctly tuffaceous in appearance.<br>Some 90% of the sequence from 69.20 - 85.04m, is fine grained mafic flow - the more granular carbonated horizons being most notable at the collar of the hole and below 80m. Contacts between the two units are often clean and sharp at 50 - 55° with little accessory bleaching or variation in grain size. The core is also streaked with thin layers/stringers of calcite at 50 - 55° to the core axis.<br>The granular carbonate units are fine grained and very finely granular and are essentially composed of calcite and ankerite ± chlorite and rare traces of biotite. Local lenseoid to ovate grains/metacrysts of plagioclase and quartz are occasionally visible.<br>The fine grained flows show a moderate reaction to the presence of ankerite while the more granular sections produce a stronger reaction to the presence of calcite, with lesser ankerite. The core is very poorly veined and sparsely to unmineralized.<br>At 81.53m, the first potential traces of graphite are noted in the system at 50° to the core axis. | minor                | -                     | M5426           | 69.20          | 70 | .8            | 10     |    |    |
|         |        |                                     |  | "                    | trpy                  | 27              | 70             | 71 | 1             | Nil    |    |    |

Diamond  
Drilling  
Log



Fill in on  
every page

Hole No. DL-85-14 Page No. 2

|                                      |                |                  |                                 |               |                       |   |  |               |
|--------------------------------------|----------------|------------------|---------------------------------|---------------|-----------------------|---|--|---------------|
| Drilling Company<br>BRADLEY BROTHERS |                | Collar Elevation | Bearing of hole from true North | Total Footage | Dip of Hole at Collar | Location of hole in relation to a fixed point on the claim. | Map Reference No.                            | Claim No.     |
| Date Hole Started                    | Date Completed | Date Logged      | Logged by                       |               | Ft.                   |   | Location (Twp., Lot, Con. or Lat. and Long.) | Property Name |
|                                      |                | Date Submitted   | Submitted by (Signature)        |               | Ft.                   |   |  |               |
|                                      |                |                  |                                 | Ft.           |                       |   |  |               |

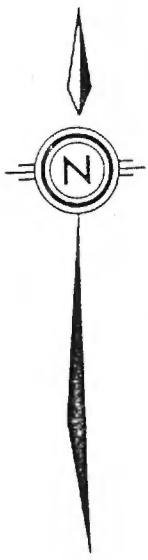
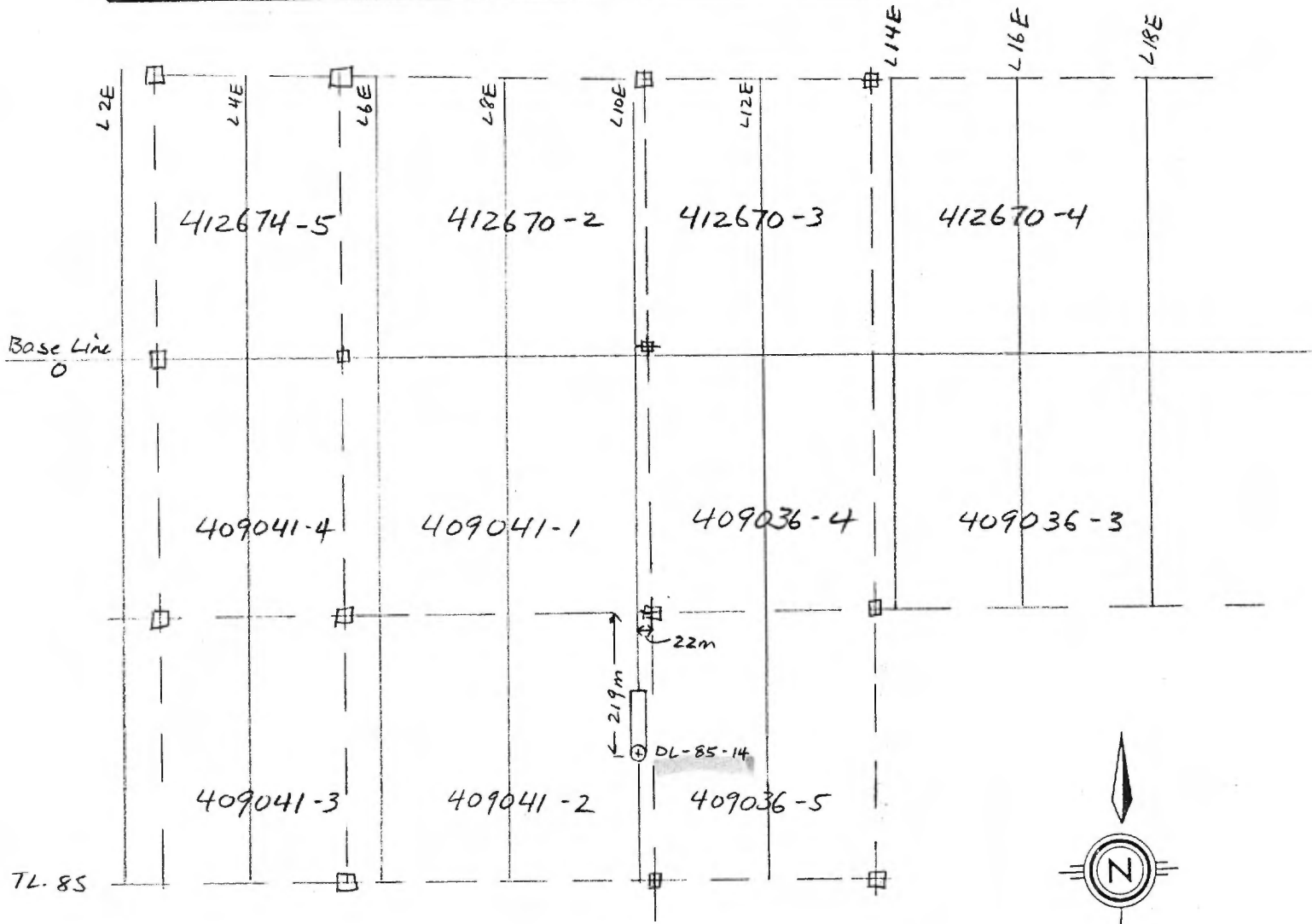
| Footage |    | Rock Type | Description<br>Colour, grain size, texture, minerals, alteration, etc.  | Planar Feature Angle | Core Specimen Footage | Your Sample No. | Sample Footage |    | Sample Length | Assays |  |
|---------|----|-----------|---|----------------------|-----------------------|-----------------|----------------|----|---------------|--------|--|
| From    | To |           |   |                      |                       |                 | From           | To |               | Au     |  |
|         |    |           | With the introduction of graphite, the rocks become darker in colour and are more strongly chloritic while the granular sections tend to become slightly coarser grained with blebs/lenses of albite, quartz and carbonate 1 - 2mm in size. The calcite content, in streaks and layers also increases. Layering is moderate to poorly defined.  | %Strs                | %S=                   |                 |                |    |               |        |  |
|         |    |           | From 83.73 - 84.13m, there is some accessory chert, sericite and chlorite alteration above irregular quartz-calcite veining with accessory chlorite alteration from 84.13 - 84.26m.   | minor                | -                     | M5428           | 83             | 84 | 1             | Nil    |  |
|         |    |           | At 85.04m, (contact at 40°), the rocks become contorted with layering nearly along the core axis over 20cm leading into a much more thinly layered section that extends to 86.75m. Layering averages 50 - 60° to the core axis, and consists of grey green to grey brown finely granular layers to 1cm in thickness surrounded by very fine grained rocks that are streaked with chlorite and minor graphite ± biotite. The core is moderately carbonated with calcite and ankerite, moderately chloritized and contains some very fine grained biotite. Most of the more granular layers are attenuated - occurring as lenses rather than well defined layers. | 10                   | trpy                  | 29              | 84             | 85 | 1             | 10     |  |
|         |    |           | From 86.75 - 88.60m, the volcanics have a high bluish-grey chert component and are streaked/layered at 50° with chlorite, sericite ± graphite.  | minor                | -                     | 30              | 85             | 86 | 1             | 10     |  |
|         |    |           | Below the cherty section the rocks grade back to fine grained, finely laminated chloritic tuffs with a decreasing number of granular carbonate-chlorite sections, and decreasing chlorite alteration, while the amount of graphite increases approaching the main graphite zone at 92.41m.  | "                    | -                     | 31              | 86             | 87 | 1             | 10     |  |
|         |    |           |   | "                    | -                     | 32              | 87             | 88 | 1             | Nil    |  |
|         |    |           |   | 5                    | trpy                  | 33              | 88             | 89 | 1             | Nil    |  |
|         |    |           |   | 5                    | -                     | 34              | 89             | 90 | 1             | 20     |  |





# Queenston

QUEENSTON GOLD MINES LIMITED



Drillhole Location Plan  
 Turgeon Group  
 Lanoullier Township



Scale 1:10,000.