

42A15SW0158 15 LITTLE

010

Diamond Drilling

Township OF LITTLE

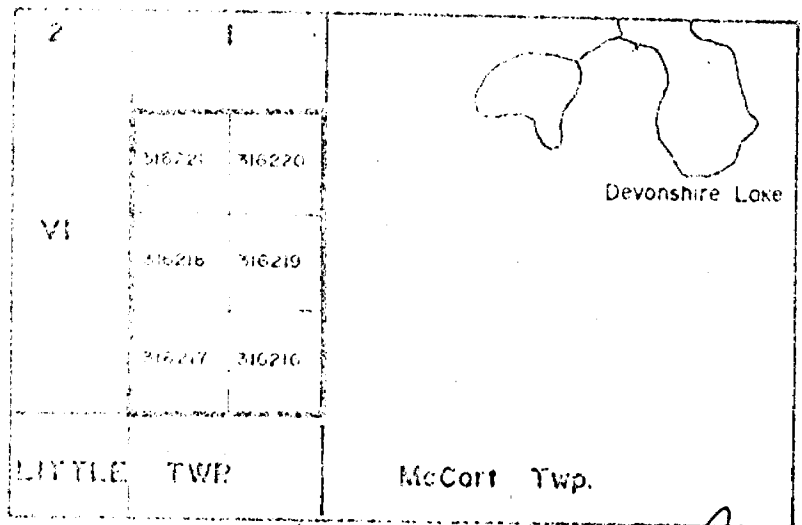
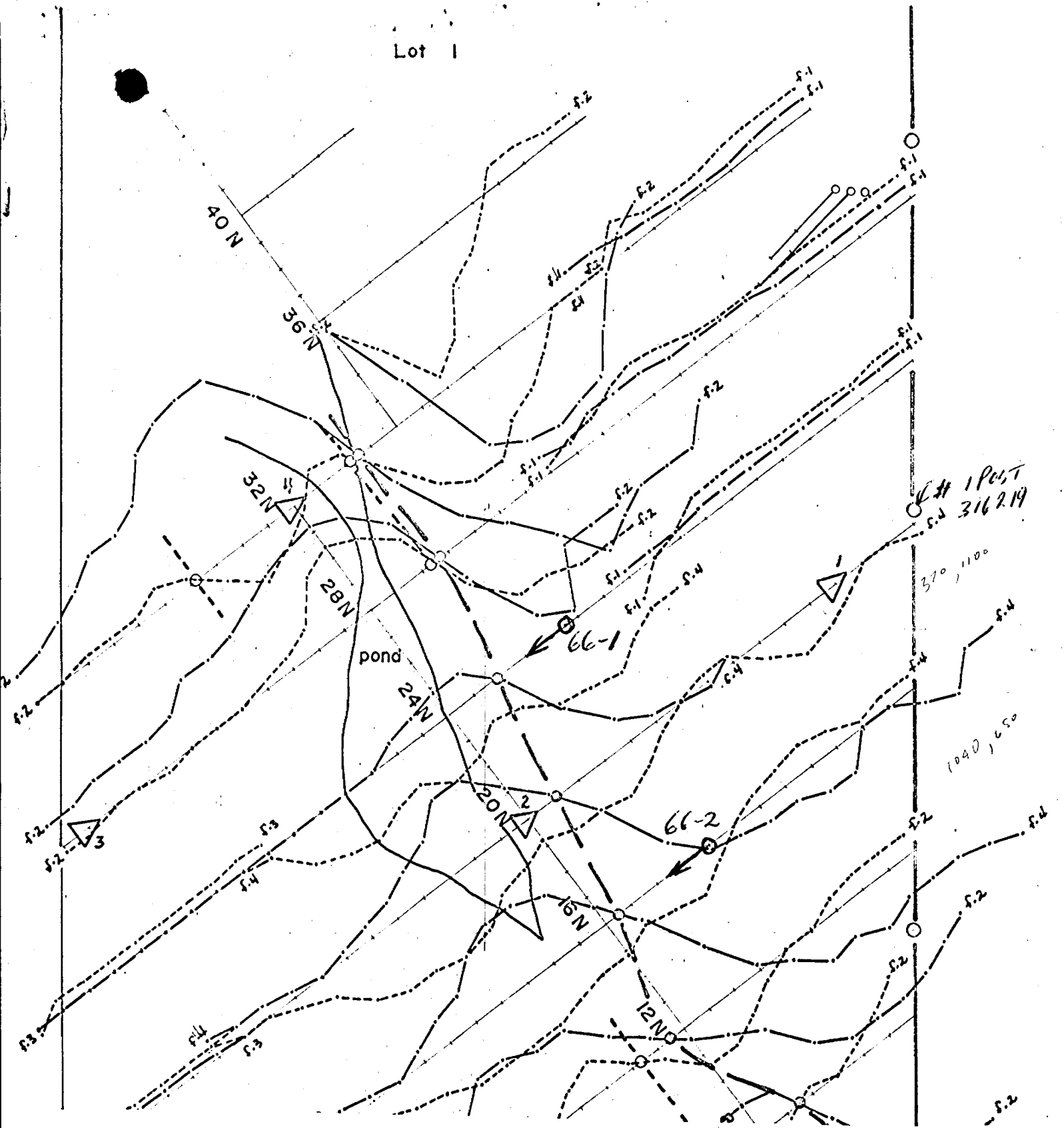
Report NO: 15

Work performed by: VANGULF EXPLORATION COMPANY

Claim NO	Hole NO	Footage	Date	Note
P. 316219	L66-1		Dec/71	(1)
	L66-2		Dec/71	(1)

Notes: (1) 47/72

Lot 1

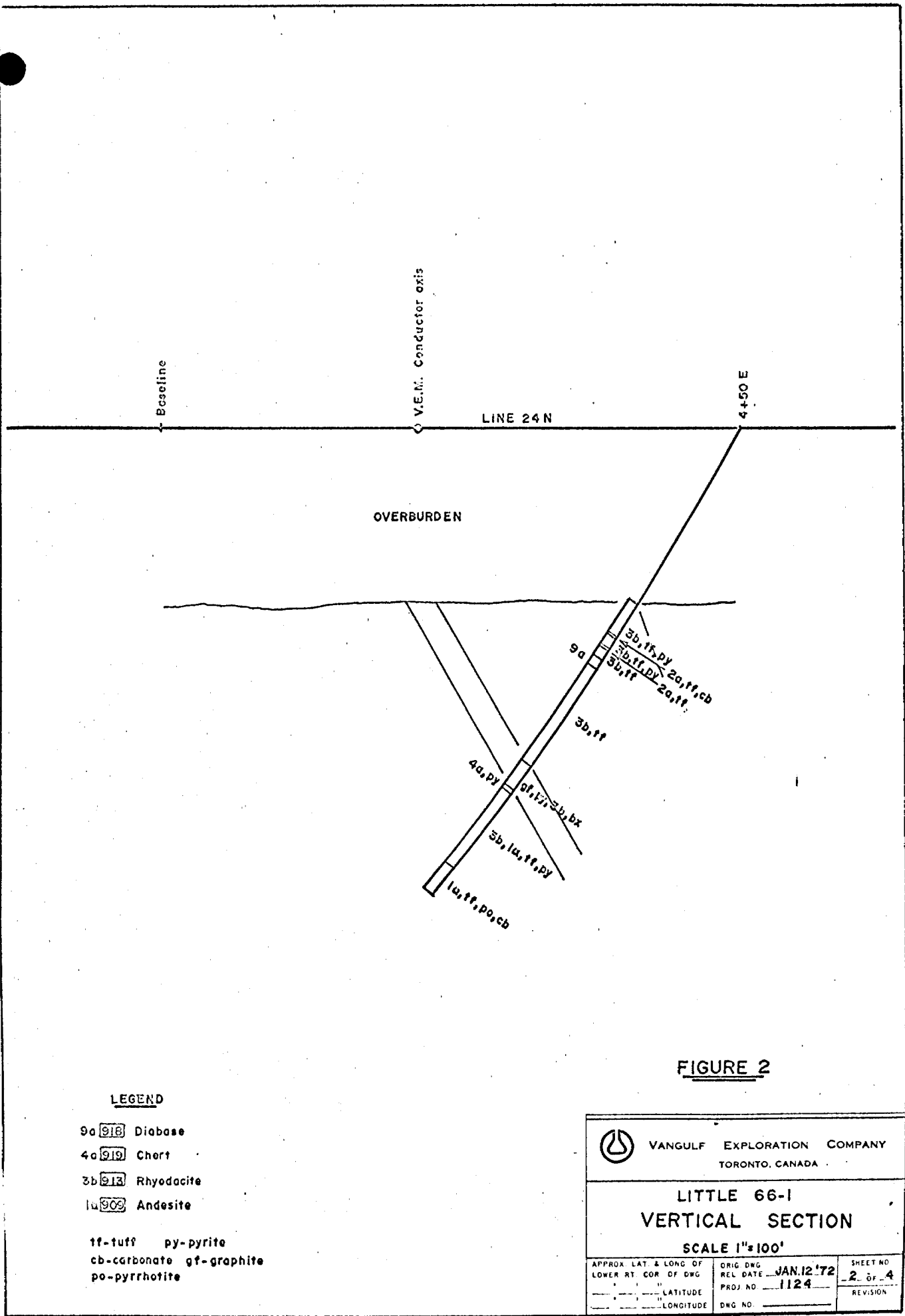


KEY MAP

one inch to one half mile

47172

Handwritten signature: Fuller & George



John George

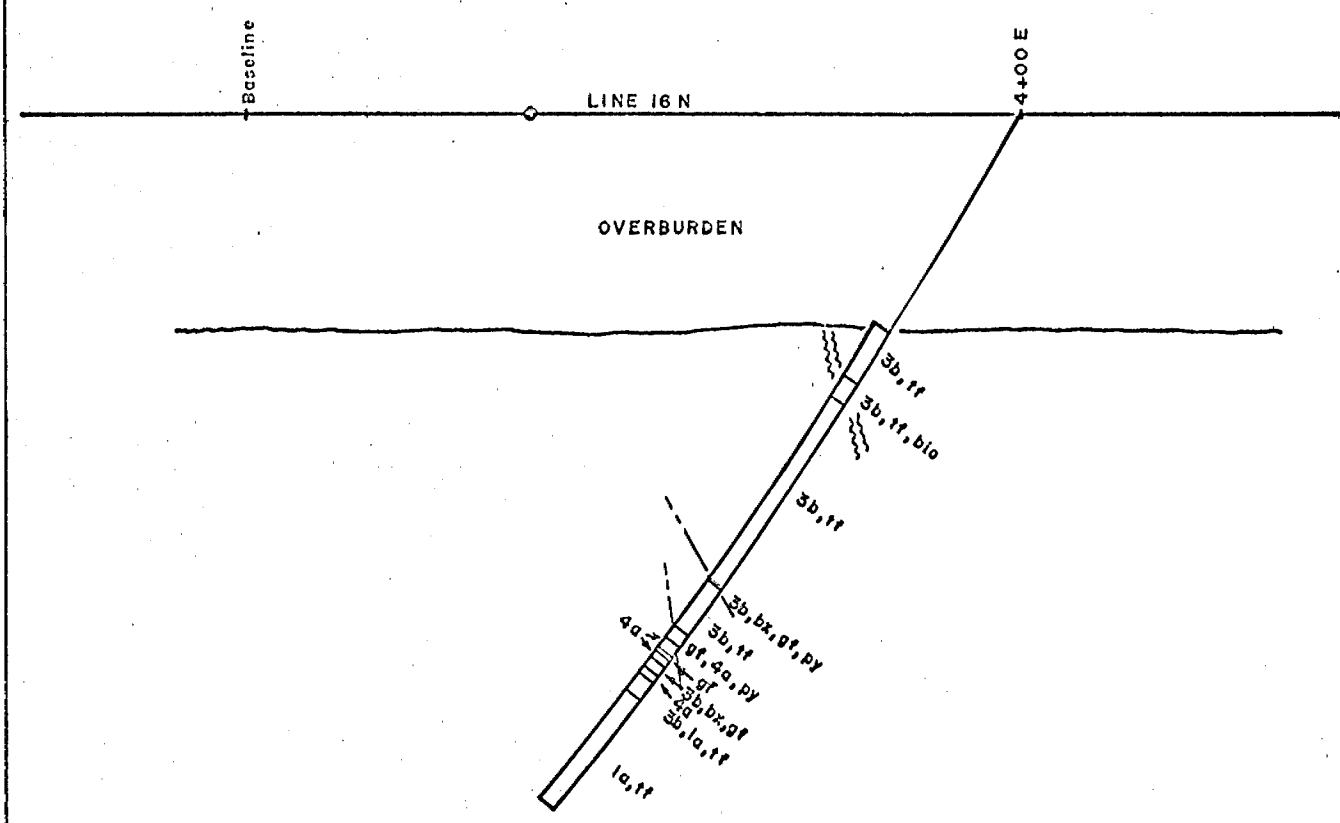


FIGURE 3

LEGEND

4a 919 Chert

3b 913 Rhyodacite

1a 903 Andesite

tt - tuff bx - breccia

gt - graphite py - pyrite

bio - biotite

--- Bedding

~~~~ Fault

|                                                                |                     |           |
|----------------------------------------------------------------|---------------------|-----------|
| <b>VANGULF EXPLORATION COMPANY</b><br>TORONTO, CANADA          |                     |           |
| <b>LITTLE 66-2</b><br><b>VERTICAL SECTION</b><br>SCALE 1"=100' |                     |           |
| APPROX. LAT. & LONG. OF LOWER RT. COR. OF DWG                  | ORIG. DWG REL. DATE | SHEET NO. |
| ---                                                            | JAN. 12 '72         | 3 of 4    |
| ---                                                            | PRJ. NO.            | REVISION  |
| ---                                                            | 1124                |           |
| ---                                                            | DWG. NO.            |           |
| ---                                                            |                     |           |

*John George*



D. D. HOLE No. L-66-2

Loc. : ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: ..... Core size: ..... Begun: ..... Ended: ..... Logged by: .....

| Samples | Footage drilled |       |      | Geology                                                                                                                                                                                                                                                                                                                                                                                |
|---------|-----------------|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | From            | To    | Len. |                                                                                                                                                                                                                                                                                                                                                                                        |
| xxxx    | 314             | 321   | 7    | GRAPHITIC ZONE, upper contact of zone marked by a 1/4" dark grey chert band at 25° to the core axis. Siliceous breccia (1/2" to 1/4" fragments, rounded to subangular) grades into black graphitic material at 315'. Numerous discontinuous 1/8" bands of pyrite in addition to approx. 10% irregular to euhedral patches of pyrite (less than 1/4" diameter)<br><br>Weak conductivity |
|         | 321             | 328.5 | 7.5  | CHERT, light grey to buff, aphanitic, massive to fractured to faintly banded at 40° to the core axis, chert.                                                                                                                                                                                                                                                                           |
|         | 328.5           | 330   | 1.5  | GRAPHITIC ZONE, CONDUCTOR<br>Massive graphite with irregular angular fragments of felsic material and minor pyrite.<br><br>Very conductive                                                                                                                                                                                                                                             |
|         | 330             | 334.8 | 4.8  | CHERT, buff to pale yellow, carbonate rich, siliceous material with 1-5% finely disseminated pyrite at 330 becoming massive buff to grey chert (as 321-328.5') at 333.                                                                                                                                                                                                                 |
|         | 334.8           | 340   | 5.2  | GRAPHITIC ZONE CONDUCTOR<br>Massive graphite with up to 80% rounded to subangular felsic material (<1/2" diameter). Up to 20% pyrite in discontinuous bands and rounded to euhedral grains.<br><br>Very conductive.                                                                                                                                                                    |
|         | 340             | 343.5 | 3.5  | CHERT, white to greenish white, aphanitic chert                                                                                                                                                                                                                                                                                                                                        |

*Peter George*

Loc. Little 66 Dip collar : 60° Bearing collar : 230° True Length : 426'  
 Line 16N, 4+00E 425':50° corrected Collar el. : 950'  
 (approx.)  
 Bottom el. :  
 Drilled by Bradley Bros size: AQ Begun: Dec. 12/71 Ended: Dec. 15/71 Logged by: P. T. G.

| Samples | Footage drilled |       |      | Geology                                                                                                                                                                                                                                                                                                                                                                      |
|---------|-----------------|-------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | From            | To    | Len. |                                                                                                                                                                                                                                                                                                                                                                              |
| xxxx    | 0               | 127   | 127  | CASING                                                                                                                                                                                                                                                                                                                                                                       |
|         | 127             | 159.5 | 32.5 | FELSIC TUFF, medium grey, fine grained, equigranular, hard (5) rock; locally inequigranular with clots of carbonate (secondary) up to 1/4" diameter. The rock consists of quartz (15%), feldspar (45%), biotite (5%), carbonate (20%), unknown mineral (light buff, rectangular habit, sharp contacts) 15% (possibly an altered feldspar). Minor finely disseminated pyrite. |
|         | 159.5           | 172   | 12.5 | FELSIC TUFF, as 127-159.5 except that the biotite is concentrated in 1/8" diameter clots imparting a spotted appearance to the rock.                                                                                                                                                                                                                                         |
|         |                 |       |      | 162.5 - 3" rusty, broken core (Fault?). Rusty spots are centred on the biotite clots.                                                                                                                                                                                                                                                                                        |
|         |                 |       |      | 168-169 - vein breccia; buff carbonate veins with angular fragments of felsic wall rock 1/2" to 3/4" long.                                                                                                                                                                                                                                                                   |
|         | 172             | 283   | 111  | FELSIC TUFF, as 127-159.5 with occasional clots of biotite as 159.5-172'.                                                                                                                                                                                                                                                                                                    |
|         | 283             | 284.8 | 1.8  | GRAPHITIC ZONE, fine grained black matrix with 1/4" diameter sub to euhedral grains of pyrite and angular breccia fragments of felsic material up to 1" diameter. The matrix consists of finely disseminated graphite and fine silt sized silicate particles. Very weak conductivity.                                                                                        |
|         | 284.8           | 314   | 29.2 | FELSIC TUFF, as 127-159.5                                                                                                                                                                                                                                                                                                                                                    |

*Fisher George*

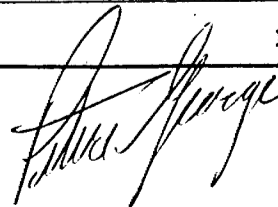
## D. D. HOLE No. L-66-1

Loc. Little 66 Dip collar: 60° Bearing collar: 230° True Length: 427 feet  
 Line 24N, 4+50E 425 : 49° corrected Collar el.: 950'  
 Claim 316219 Bottom el.: (approx.)

Drilled by: Bradley Bros. Core size: AQ Begun: Dec. 1/71 : Ended: Dec. 10/71 Logged by: P.T. George

| Samples   | Footage drilled |       |      | Geology                                                                                                                                                                                                                                                                                                |
|-----------|-----------------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | From            | To    | Len. |                                                                                                                                                                                                                                                                                                        |
| xxxx      | 0               | 156   | 156  | CASING                                                                                                                                                                                                                                                                                                 |
|           | 156             | 187.5 | 31.5 | FELSIC TUFF, light to medium mottled grey colour, very fine grained, equigranular, massive to faintly banded at 50° to core axis, angular clastic texture. Hardness 5. Locally brecciated with grey, cherty quartz in fractures. Carbonate veinlets common. Fine pyrite (<1%) disseminated throughout. |
|           | 187.5           | 188.5 | 1    | INTERMEDIATE TUFF, grey green, more chloritic than 156-187.5', very fine grained, massive, clastic textured. Minor carbonate veining.                                                                                                                                                                  |
|           | 188.5           | 196   | 7.5  | FELSIC TUFF, as 156-187.5' except with minor carbonate veining.                                                                                                                                                                                                                                        |
|           | 196             | 197.5 | 1.5  | INTERMEDIATE TUFF, as 187.5 to 188.5'                                                                                                                                                                                                                                                                  |
|           | 197.5           | 207   | 9.5  | FELSIC TUFF, as 188.5 to 196'                                                                                                                                                                                                                                                                          |
|           | 207             | 213   | 6    | DIABASE DIKE(?), dark grey, very fine grained to medium grained, massive, equigranular, igneous texture, minor py. Apparent chilled contact suggests dike (N.B. no magnetic expression on magnetic survey.                                                                                             |
|           | 213             | 302.5 | 89.5 | FELSIC TUFF, as 188.5-196'                                                                                                                                                                                                                                                                             |
|           | 302.5           | 324.5 | 22   | GRAPHITE ZONE, sharp contact with felsic tuffs at 55° to core axis. Contact marked by 1/4" limonite, siderite, calcite band.                                                                                                                                                                           |
| CONDUCTOR |                 |       |      | 302.5-303.5 - Numerous angular fragments of light grey rhyolite material up to 2" across. Graphite and pyrite occurs between fragments. Pyrite occurs as very fine grained to 1/8" irregular blebs and cubes.                                                                                          |

D. D. Hole No. L-66-1



47/72



Loc. : ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: ..... Core size: ..... Begun: ..... Ended: ..... Logged by: .....

| Samples | Footage drilled |       |      | Geology                                                                                                                                                                              |
|---------|-----------------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | From            | To    | Len. |                                                                                                                                                                                      |
| xxxx    |                 |       |      | 303-317 - Graphite dominates with locally up to 25% pyrite. Pyrite occurs uniformly throughout as fine grained cubes and locally as seams up to 1/4" wide.                           |
|         |                 |       |      | 317-324.5 - Gradual increase in content of clastic felsic material initially in rounded to sub-rounded grains (<1/8"), increasing to a mixture of clastic fragments up to 2" across. |
|         |                 |       |      | Numerous pyrite nodules in addition to disseminated and seam pyrite as above (303-317).                                                                                              |
|         |                 |       |      | 324.5 - Fragmental felsic material consisting of light grey fragments (<1/4") with minor graphite and 5% disseminated pyrite.                                                        |
|         | 324.5           | 327.5 | 3    | CHERT, very hard, siliceous (minor feldspar?), very fine grained, white to greenish white, massive. Approximately 10% pyrite as fine grained cubes and irregular blebs.              |
|         | 327.5           | 400   | 72.5 | FELSIC TUFF-MAFIC TUFF TRANSITION                                                                                                                                                    |
|         |                 |       |      | 327.5 - Light grey, fine grained, clastic textured hard (5), minor pyrite. Gradual increase in content of mafic (chlorite, pyroxene, amphibole) clasts to 400'.                      |
|         |                 |       |      | 400 - Dark grey green, fine grained, clastic textured, moderately hard (3.5-4). Rare pyrite.                                                                                         |
|         | 400             | 427   | 27   | MAFIC TUFF, dark grey green, fine grained, tuffaceous rock consisting of light grey feldspar and mafic material. Minor pyrrhotite and minor carbonate veining.                       |
|         | 427             |       |      | END OF HOLE                                                                                                                                                                          |

