42A01NE0296 14 GRENFELL

Diamond Drilling

Township of GRENFELL

Report Nº: 14

Work performed by: R.R. Burt

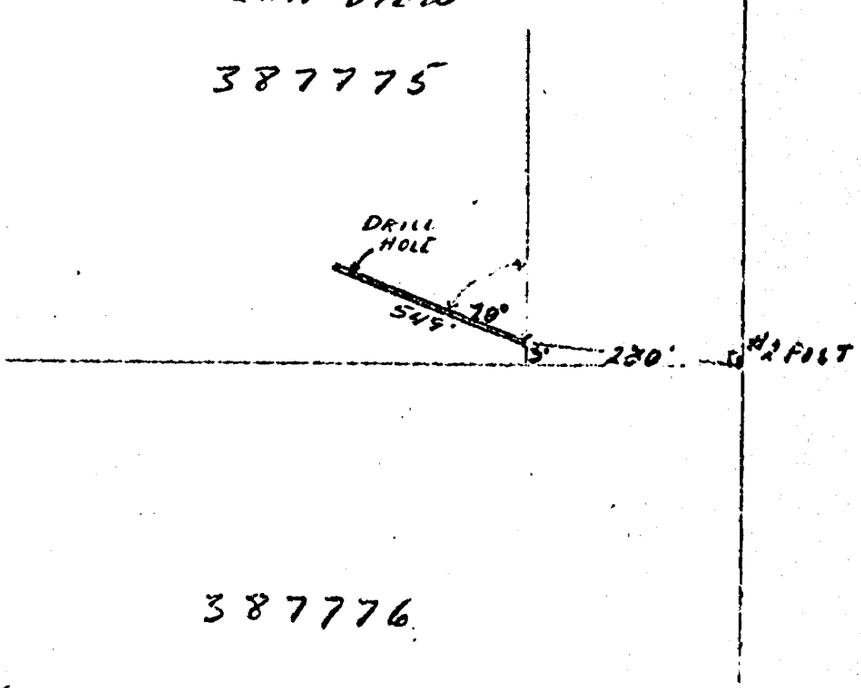
Claim Nº	Hole Nº	Footage	Date	Note
L 387775	1	549.0'	May/75	(1)

Notes:

(1) #276-75

June 27/76

Information re drilling on mining claim 387775



387776

Hole drilled at 85°
Casing remains in hole.

#276-75
GRENFELL TWP.
R. R. BURT

GEOLOGICAL FORMATION RECORD

DIAMOND DRILL Hole 1.

Ross Burt-Grenfell Twp TR.MK. REG. U.S. PAT. OFF.

ORIGINAL COPR. 1919 BY J. C. FARKER

GEOLOGICAL FORMATION RECORD

MADE IN U.S.A.

From	To	Feet	Note change in material, character, and contents of each formation.
Surface	Box 1	12'	Box 1 - MINERAL - Mill -
1-	" 2	12'	o.ccasion iron pyrites
	" 3	12'	very little mineralized
1537'	" 4	12'	high Chalcopyrite -
1021'	" 5	12'	" pyrites Barren
	" 6	12'	" " most barren
1881'	" 7	12'	NO MINERAL
	" 8	12'	" "
2121'	" 9	12'	" "
	" 10	12'	" "
	" 11	12'	spots of Chalco
	" 12	12'	very little Min (pyrites)
576'	" 13	12'	some high Calco -
	" 14	12'	NO minerals
	" 15	12'	" "
	" 16	12'	" "
	" 17	12'	" "
	" 18	12'	" "
329'	" 19	12'	some Chalco (light)
	" 20	12'	NO minerals
	" 21	12'	Calcite - Spark Calco
	" 22	12'	NO Minerals
	" 23	12'	NO MINERALS
	" 24	12'	NO MINERAL
	" 25	12'	NO MINERAL
	" 26	12'	NO MINERALS
	" 27	12'	NO MINERAL
	" 28	12'	NO minerals
	" 29	12'	very little Magnet
	" 30	12'	some pyrites Barren
	" 31	12'	Barren
	" 32	12'	" some Calc

Box 15

From	To	Feet	Note change in material, character, and contents of each formation.
	35		NO MINERALS -
	36		NO MINERALS
	37		NO MINERALS

May 10/15

D. W. Johnson

Saginaw

Line

GEOLOGICAL FORMATION RECORD

DIAMOND DRILL Hole 1.

Ross Bork Grenfell Twp

TR.MK. REG. U.S. PAT. OFF.

From	To	Feet	Note change in material, character, and contents of each formation.
Surface	Bore 1	12'	Bore 1 - MINERAL - NIL -
	" 2	12'	occasional iron pyrites
	" 3	12'	very little mineralized
(157'	" 4	12'	light chalco pyrite -
172'	" 5	12'	" pyrites Banded
	" 6	12'	" " mostly barren
198'	" 7	12'	NO MINERAL
	" 8	12'	" "
212'	" 9	12'	" "
	" 10	12'	" " "
	" 11	12'	spots of Chalco
	" 12	12'	very little Min (pyrites)
276'	" 13	12'	some light Calco -
	" 14	12'	NO minerals
	" 15	12'	" "
	" 16	12'	" "
	" 17	12'	" "
	" 18	12'	" "
329'	" 19	12'	some Chalco (light)
	" 20	12'	No minerals
	" 21	12'	(coke.te - Spark Calco
	" 22	12'	No Minerals
	" 23	12'	No minerals
	" 24	12'	No mineral -
	" 25	12'	No MINERAL
	" 26	12'	No minerals
	" 27	12'	No mineral
	" 28	12'	No minerals
	" 29	12'	very little M. pyrites
	" 30	12'	some pyrites (small
	" 31	12'	Border
	" 32	12'	" some dark R

Bore #1

From	To	Feet	Note change in material, character, and contents of each formation.
	35		No MINERALS -
	36		No Minerals -
	37		No MINERALS -

May 1.0 | 75

C. W. Johnson

Logging

Core

ORIGINAL COPR. 1910 BY J. G. PARKER
GEOLOGICAL FORMATION RECORD
JOLLIPHIA PA. MADE IN U.S.A.

Added Drilled between April 28/75 and May 8/75 by M. Little, Markham Ontario.

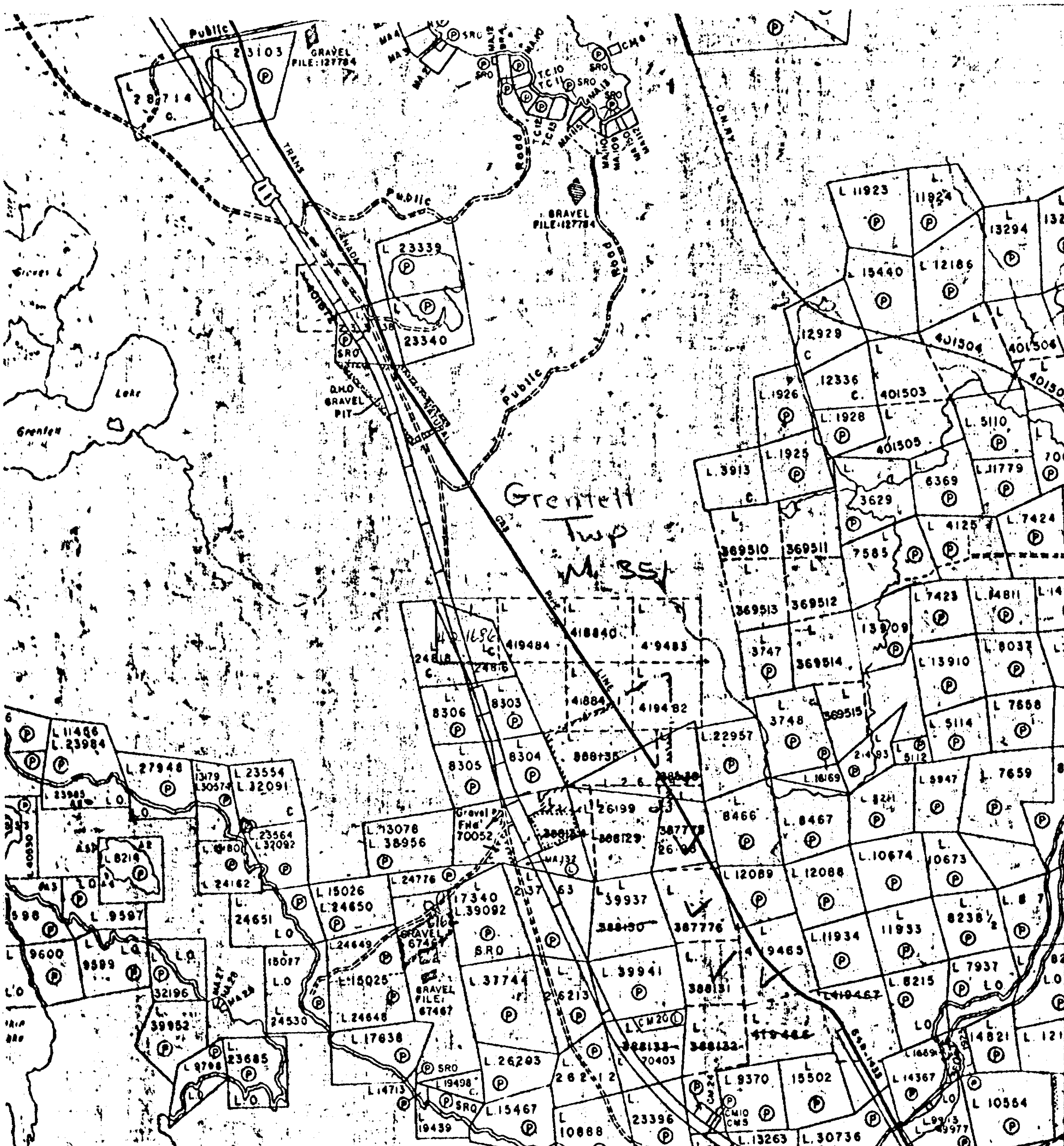
GRENFELL EXPLORATION SYNDICATE /74
Box 48,
Hillsburgh Ontario

DRILL LOCATION: Grenfell Township, 230 feet at 258 degrees fro m #2 post of claim #38775. Hole bearing 290 degrees, dip 80 degrees.

FOOTAGE	ROCK DESCRIPTION	ASSAY SAMPLE #	FOOTAGE	ASSAY RESULTS AU.-OZ/T
0-117	overburden			
117-117.5	This is a fine grained, equigranular, massive rock. It is grey-green in colour, and cut by narrow (1/8") felsic veinlets. Name: possible volcanics, or fine Seds.			
117.5-118	This rock consists of feldspar phenocrysts up to 3/4" in diameter in a fine grained equigranular massive matrix. This is cut by silicious veinlets along planes of weakness imparting a foliated appearance.			
118-330	This rock consists of feldspar phenocrysts up to 1"in diameter in a fine grained equigranular massive matrix. FELDSPAR PHENOCRYSTS- plagioclase composition -are cataclastically altered- account for 35%-50% of total rock volume MATRIX-contains some free quartz, and much feldspar, plus ferromagnesians (chlorite, some amphibole)- some feldspars are quite fresh (striations and cleavage face observed -some feldspars altered to epidote -is fine grained (2 m.m.) equigranular, massive. SULFIDES-less than 2%-mostly pyrite COLOUR-White phenocrysts in a grey matrix This rock is cut by a few small (1/4") carbonate veinlets.	237 240 241 252 253	237 240 241 252 253	< 0.001 < 0.001 < 0.001 < 0.001 < 0.001

FOOTAGE	ROCK DESCRIPTION	ASSAY SAMPLE #	FOOTAGE	ASSAY RESULTS Au.-oz/t
330-490	This rock is very similar to the above described rock (i.e. feldspar phenos in a fine grained matrix) However there is a gradual increase in size and amount of amphibole. They occur as phenocrysts (up to 1/2") and as part of the matrix minerals. The amphibole accounts for 5%-15% of the total rock volume. Thus the rock now appears as white feldspar phenos and black amphibole phenos in a grey matrix. The percentage of the total rock consisting of phenos varies from about 70% to nearly 0%. There are narrow areas (usually less than 3') that are composed entirely of fine to medium grained, equigranular, massive r ock. Generally however the rock is porphyritic with about 35%-50% of the total rock composed of phenos. SULFIDES: less than 2%,-mostly pyrite	409	409	< 0.001
490-494	The rock suddenly becomes foliated. The ferromagnesians become chloritized. The rock is cut by a series of fine calcite veinlets. This is probably not a new formation, but rather a cataclastically altered section of the porphyry.			
494-511	The same igneous rock as earlier described. (i.e. footage 330-490) However because the matrix minerals are becoming larger while the phenocrysts are becoming smaller, the porphyritic texture of the rock is less noticeable. Also with depth the rock appears to become more mafic and thus darker in appearance. Thus the rock has a medium grained equigranular massive matrix, with subphenos of amphibole and altered feldspar. Feldspar phenos are generally subhedral to anhedral and up to 1/2"in diameter. Amphibole phenos are subhedral and up to 1/4"in diameter.			
511-539	Typical feldspar, amphibole prophyty. Subhedral feldspar and amphibole phenos in a fine grained, equigranular massive, grey matrix.	521	521	< 0.001
539-549	The rock appears less porphyritic. It is a medium grained, massive, rock of dioritic composition.			
549	Total depth of hole. Core logged by Frank Eliuliet R.R. #1 Keene Ont.			

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EBY TWP. M-345