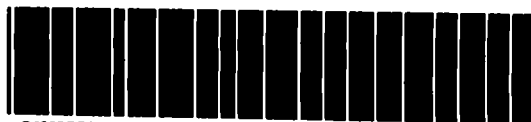


FINAL SUBMISSION - SUMMARY TECHNICAL
REPORT OPAF FILE # OP93-630

DATE: 94/1/26.



31M05SE0031 OP93-630 GILLES LIMIT

010

NAME: Gerry O. Reilly

LIST OF INDIVIDUALS WHO APPLIED FOR ASSISTANCE
FOR THIS PROJECT: Gerry O. Reilly

LOCATION AND ACCESS:

Both projects are located in the Cobalt
Resident Geologist's District.

The Coleman Township Claim (334) - Project
1, is accessed by driving approximately
9 km. southeast of Cobalt on the
old Mayfair Mine road (please see my
map # 1).

The Gilles Limit Township Claim (1467) -
Project # 2, is accessible by driving
approximately 17 km. south of Cobalt on
the Hound Chute road, then along a
series of bush roads/trails, and across

Botha Lake by canoe as shown on my map #1.

CHANGES TO PROJECT: None.

GEOLOGY:

The Coleman Township claim (Project # 1) is located in Archean metavolcanics as is the old Mayfair shaft which is about 500 feet to the east of the east boundary of the claim. The claim is bisected by the Silver Crater Fault; and a large sill of Nipissing Diabase plus the granites of the Chown-Kirk Lakes Stock, outcrop nearby to the east (please see O.G.S. Map 2052).

I found there to be considerably more outcrop on the claim than is shown on Map 2052 (please see my map #2). Elsewhere, the parcel is covered by a mostly shallow blanket of till. The topography is mostly gentle to rolling. The southeastern section of the claim is

alder swamp.

The Gilles Limit Township claim (Project #2) is bisected by the Nipissing Diabase Archean contact (please see O.G.S. map 2551, which accompanies Born and Hitch's report).

WORK DONE:

- Lines / stations were located on each claim at 30 yard intervals (please see my maps #4 [Coleman] and #5 [Gilles Limit]), in order to facilitate the geological and geophysical surveys.
- a basic geological reconnaissance was done on each claim (please see my maps #2 [Coleman] and #3 [Gilles Limit]).
- Magnetometer and V.L.F. readings were taken at each station on each claim (please see my maps #6 and #8 [Coleman mag and V.L.F., respectively] and #7 and 9 [Gilles Limit mag and V.L.F., respectively]). Followup work was done with a Beep Mat. Effort was concentrated

in the area of ⁴ old pits / trenches,
mag "highs" and "lows", and V.L.F.
cross-overs.

RESULTS AND RECOMMENDATIONS:

No conductors were located on the
Coleman Township claim and the only
mineralized rock found was near a pit
on line # 5 near station # 3. A selected*
(high-grade) sample with weak sulphide
mineralization yielded the following results
(assay certificate is enclosed):

Au (P.P.B.) 408-446

Ag (P.P.M.) 4.0

Bi " 38

Cd " 6

Co " 482

Cu " 227

Ni " 53

Pb " 712

Zn " 1,460

The results, unfortunately, would not appear to
justify any further work on this claim.

* "High grade" is used here in a relative sense:
although poorly mineralized, it was the richest looking material I could find!

Some new occurrences of sulphide and magnetite were found on the Gilbe Limit claim (please refer to my map # 3).

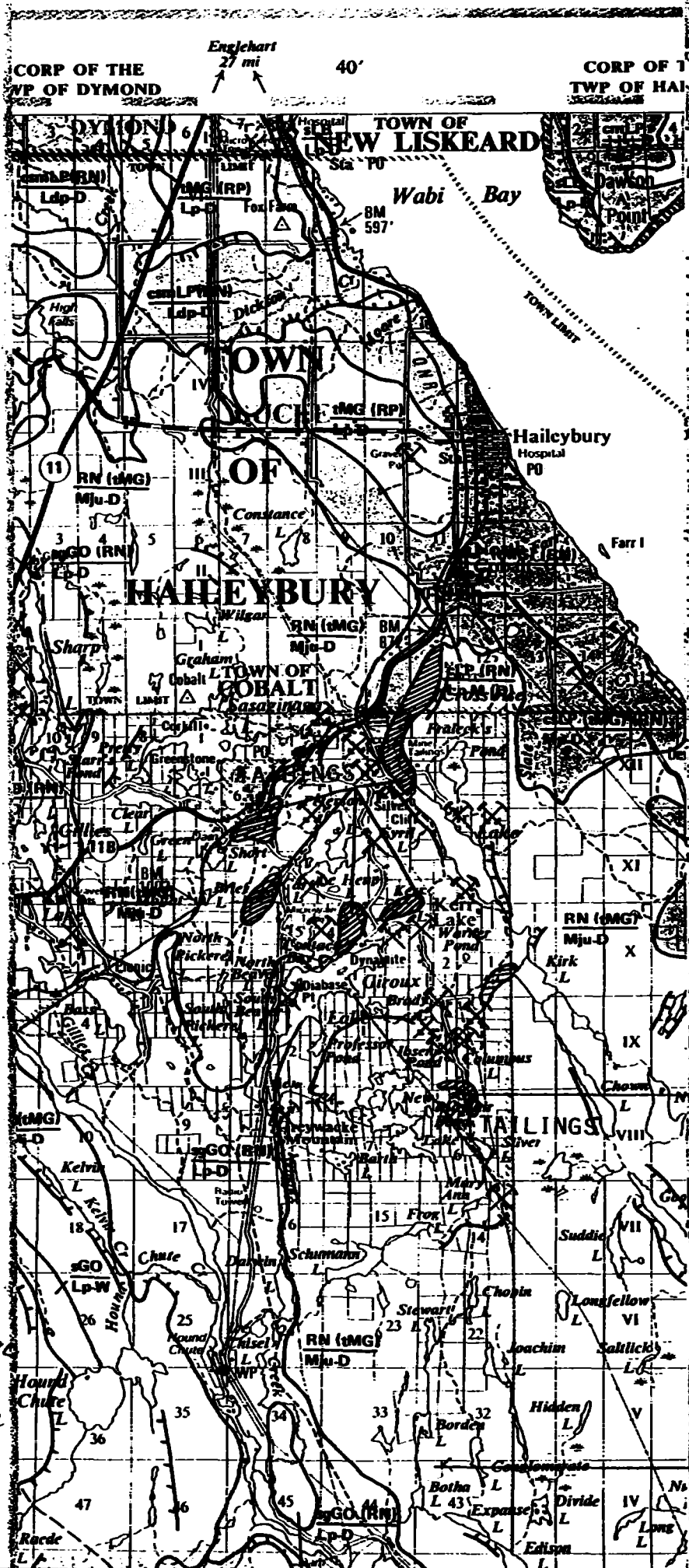
The results were as follows (assay certificate is enclosed).

<u>Sample #</u>	<u>Type of Sample</u>	<u>Rx Type</u>	<u>Mineralization</u>	<u>Assay Result</u>
F-2	Grab	gabbro	5%+ py/PO	Please see
F-3	Grab	Rhyolite-dacite?		assay certificate
F-6	Grab	very fine grained chlorite plus sericite		
F-21	Grab	Mineralized quartz float	minor sulphides	
F-22	Grab	Rhyolite	magnetite	
F-23	Grab	Rhyolite	minor sulphides	
F-24	Grab	Rhyolite	Minor sulphides	
F-25	Grab	Rhyolite	minor sulphides	
No #	Grab	Rhyolite	minor sulphides	

Although the results are not encouraging, there is a chance that Falconbridge Limited may be interested in optioning the claim in order to do some geophysical work in the Borden/Botha lakes area this year (1994)*.

* personal communication last fall with Mr. Steve Kormos of Falconbridge.

MAP # 1, LOCATION AND ACCESS

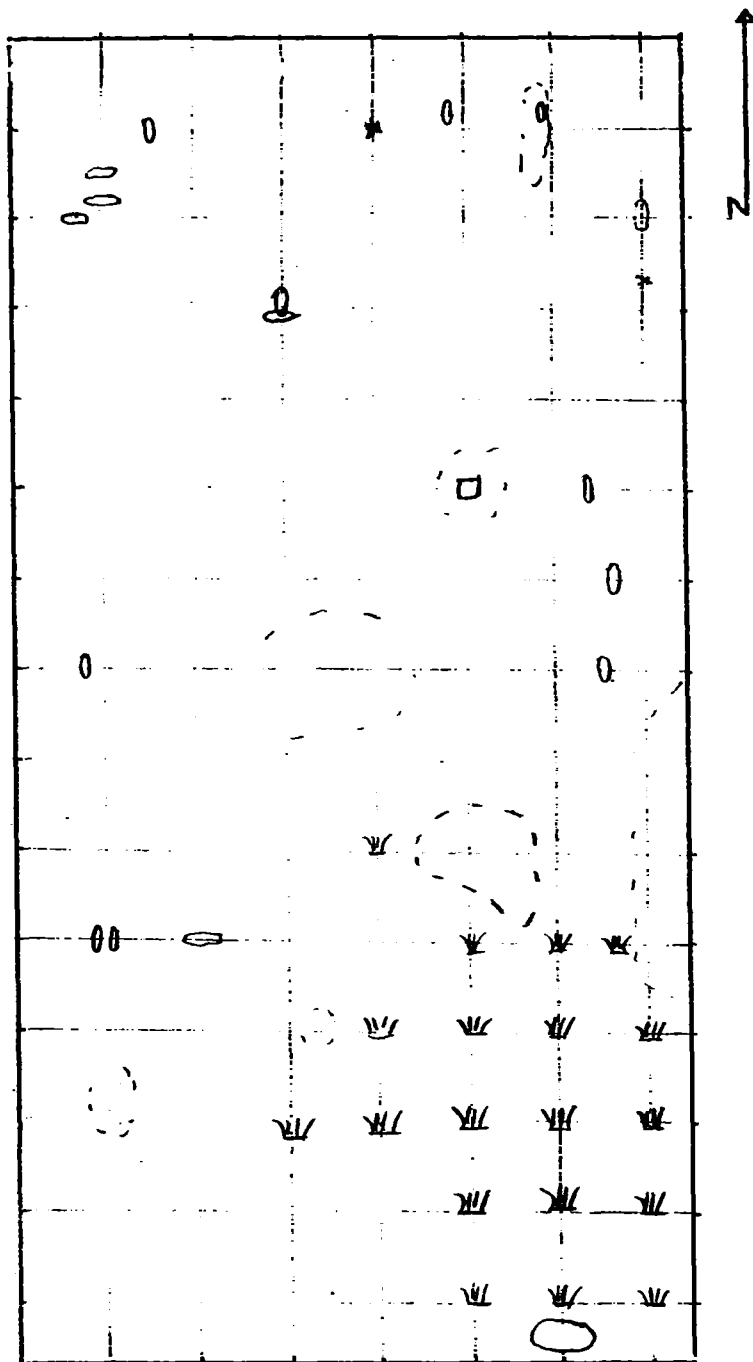


Scale: One centimetre
represents
one kilometre

Claim # 334,
Coleman Township

Claim # 19467,
Gilles Limit
Township

CLAIM # 334, COLEMAN TOWNSHIP: GEOLOGY MAP # 2

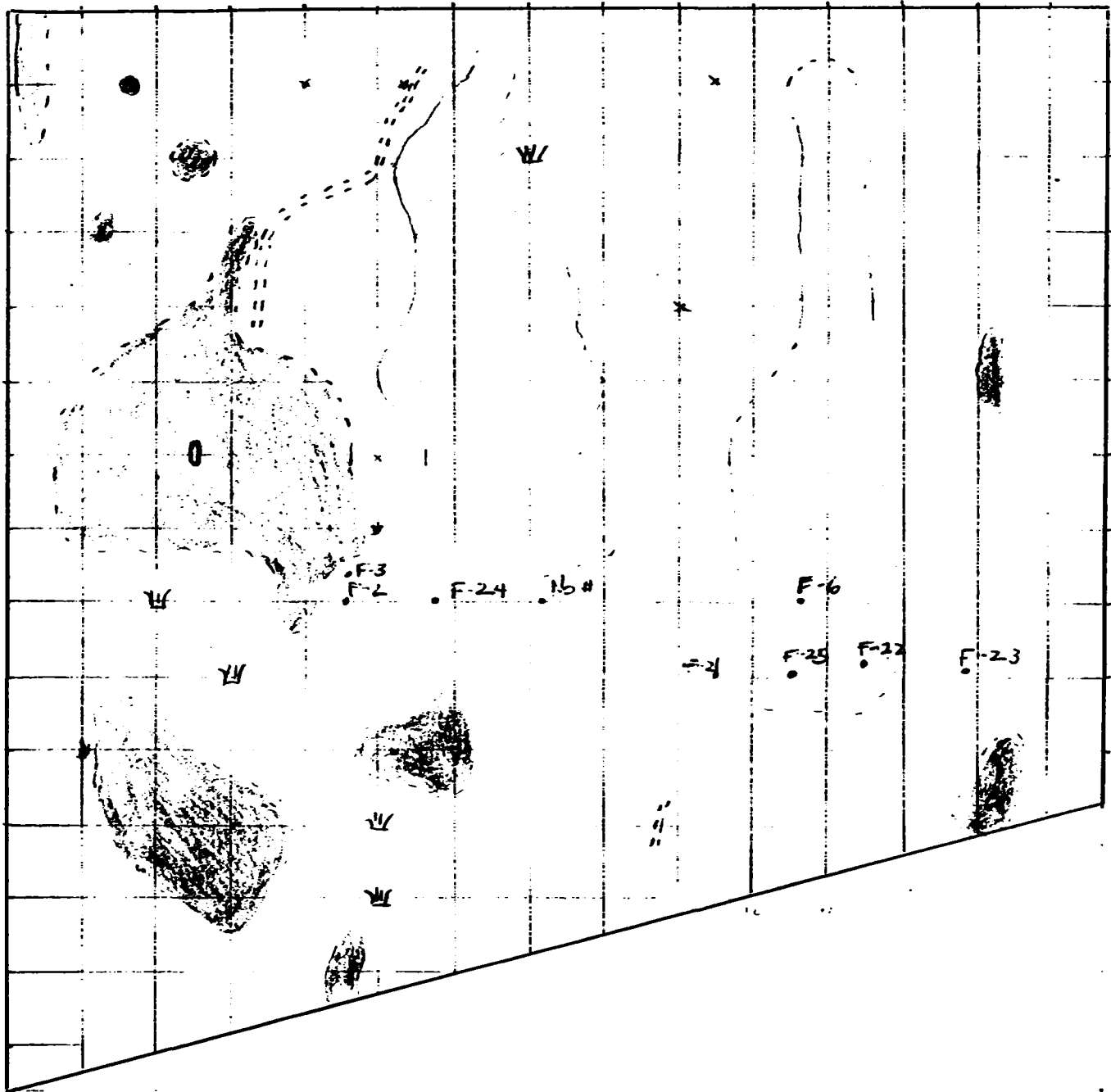


Scale: Four centimetres represent 100 yards

Legend

- Archean metavolcanic outcrop
- x Pit
- Trench
- W Swamp

CLAIM # 19467, GILLES LIMIT TOWNSHIP: GEOLOGY
 MAP # 3

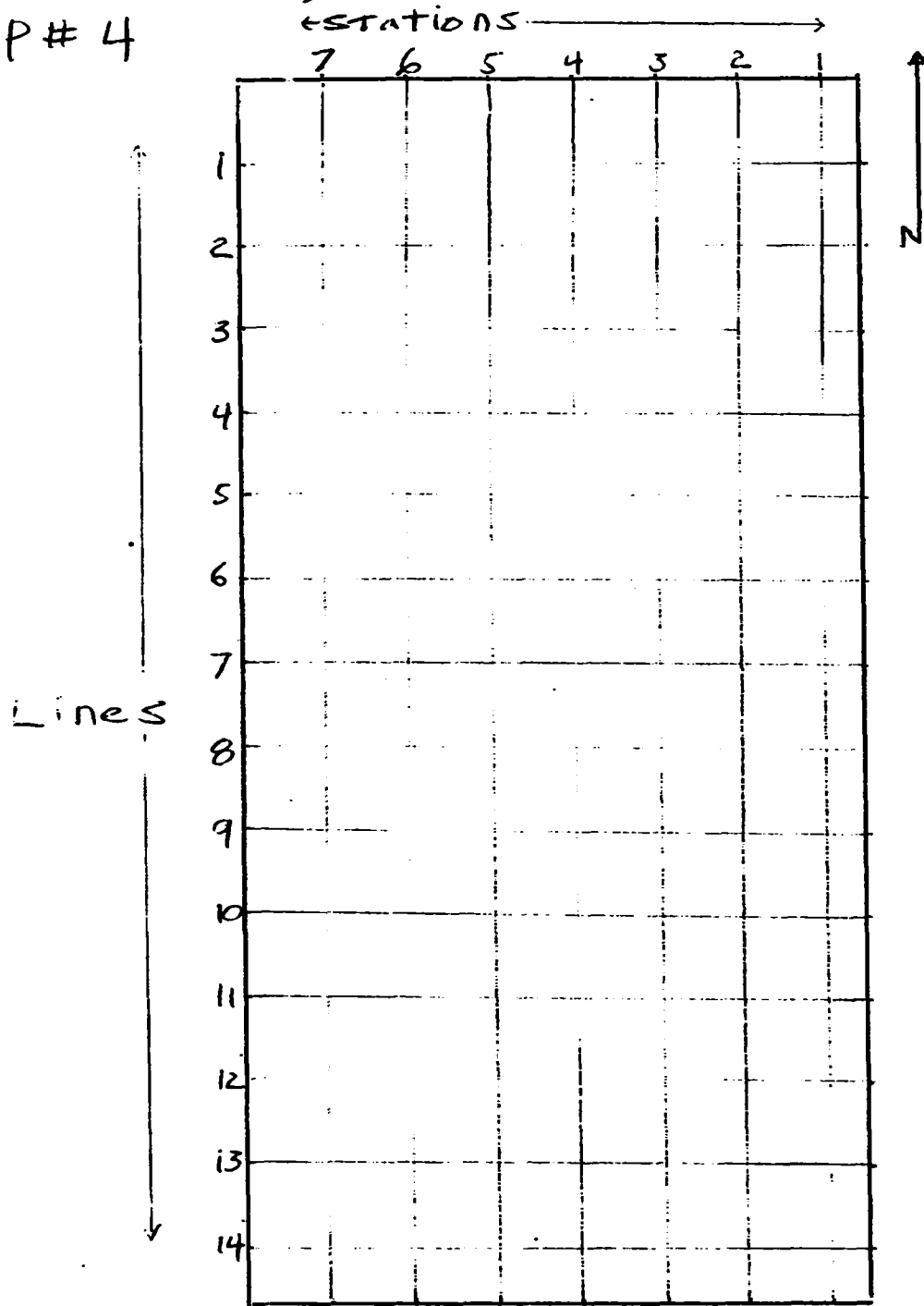


Scale: Four centimetres represent 100 yards

Legend

- (x) Sabbro outcrop
- (x) Rhyolite outcrop
- (x) Basalt outcrop
- old road
- W Swamp
- O Trench
- F-2 Sample location

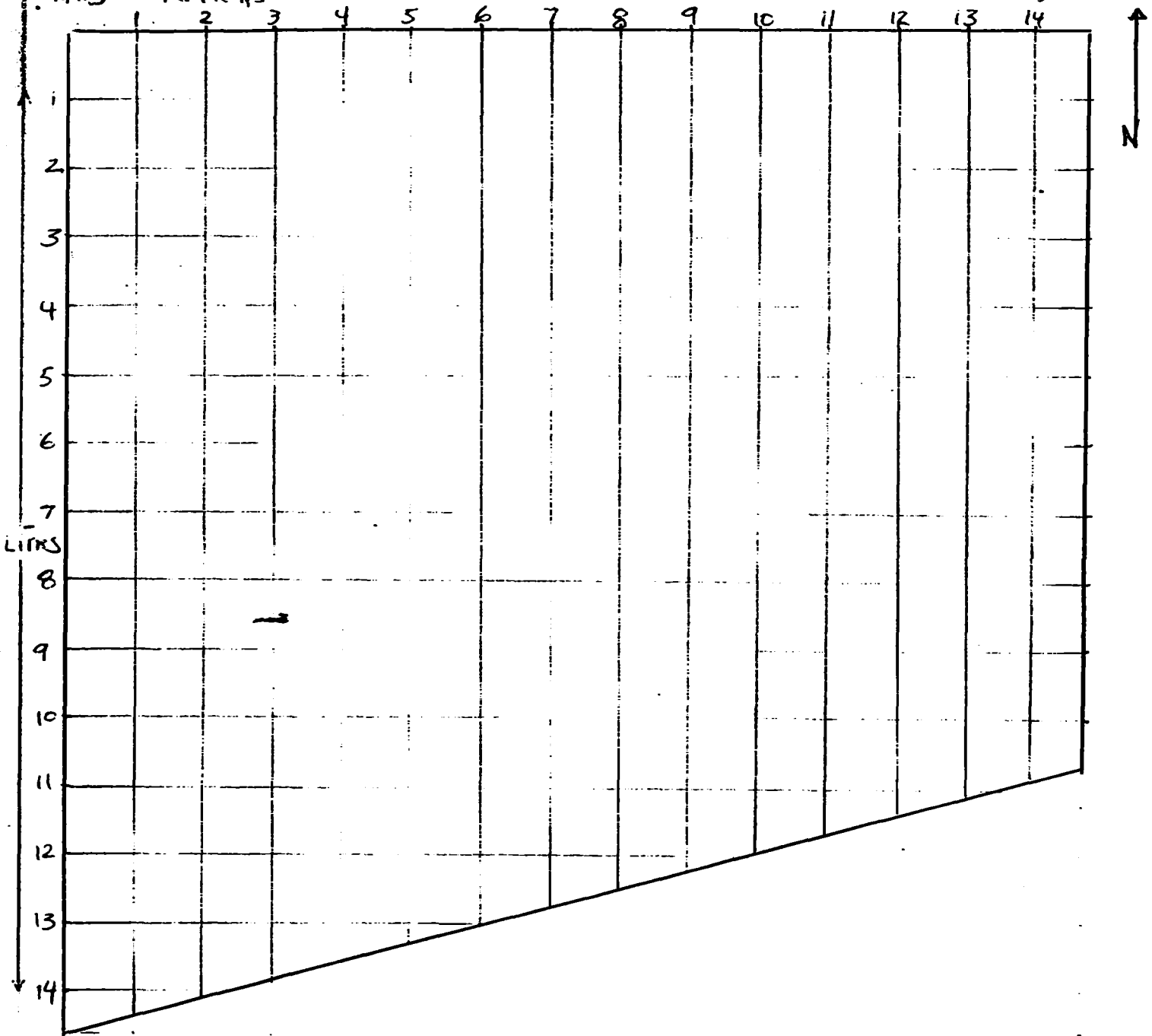
CLAIM # 334, COLEMAN TOWNSHIP: LINES/STATIONS
MAP # 4



Scale: Four centimetres represent 100 yards

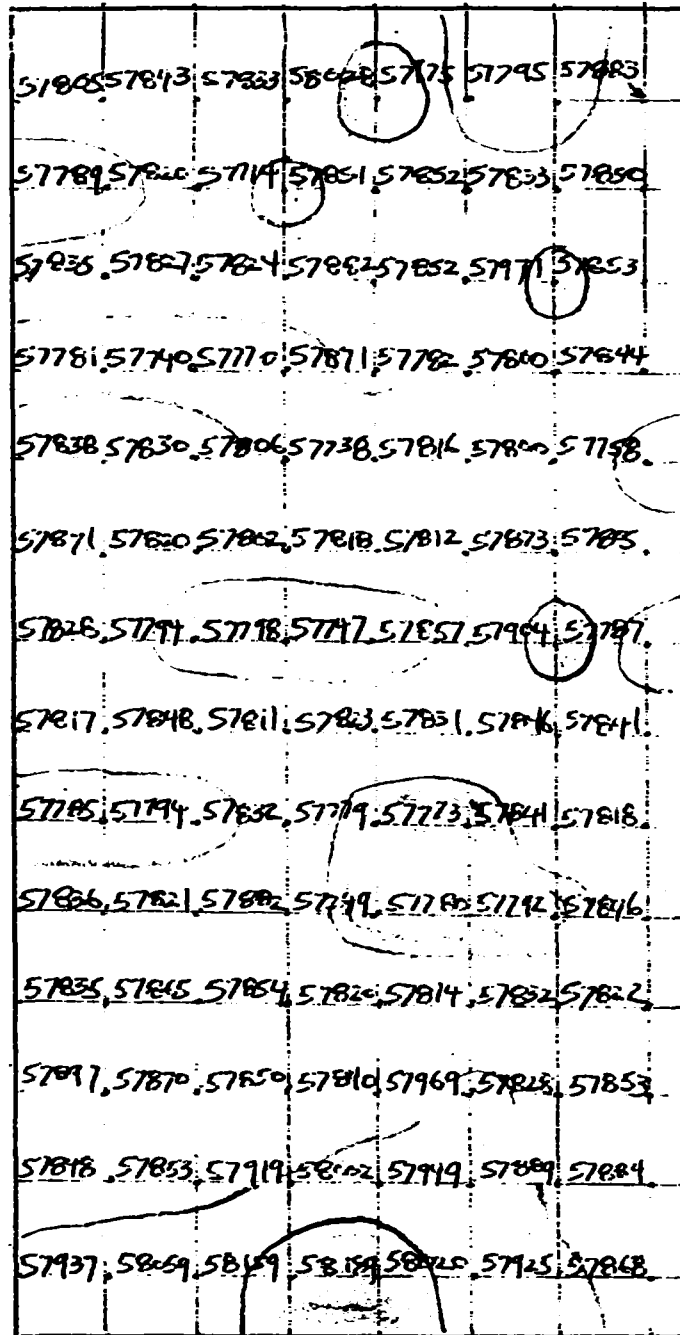
LIMIT # 19467, GILLES LIMIT TOWNSHIP: LINES / STATIONS

MAP # 5 Stations



Scale: Four centimetres represent 100 yards

CLAIM # 334, COLEMAN TOWNSHIP: MAG.
MAP # 6



Notes

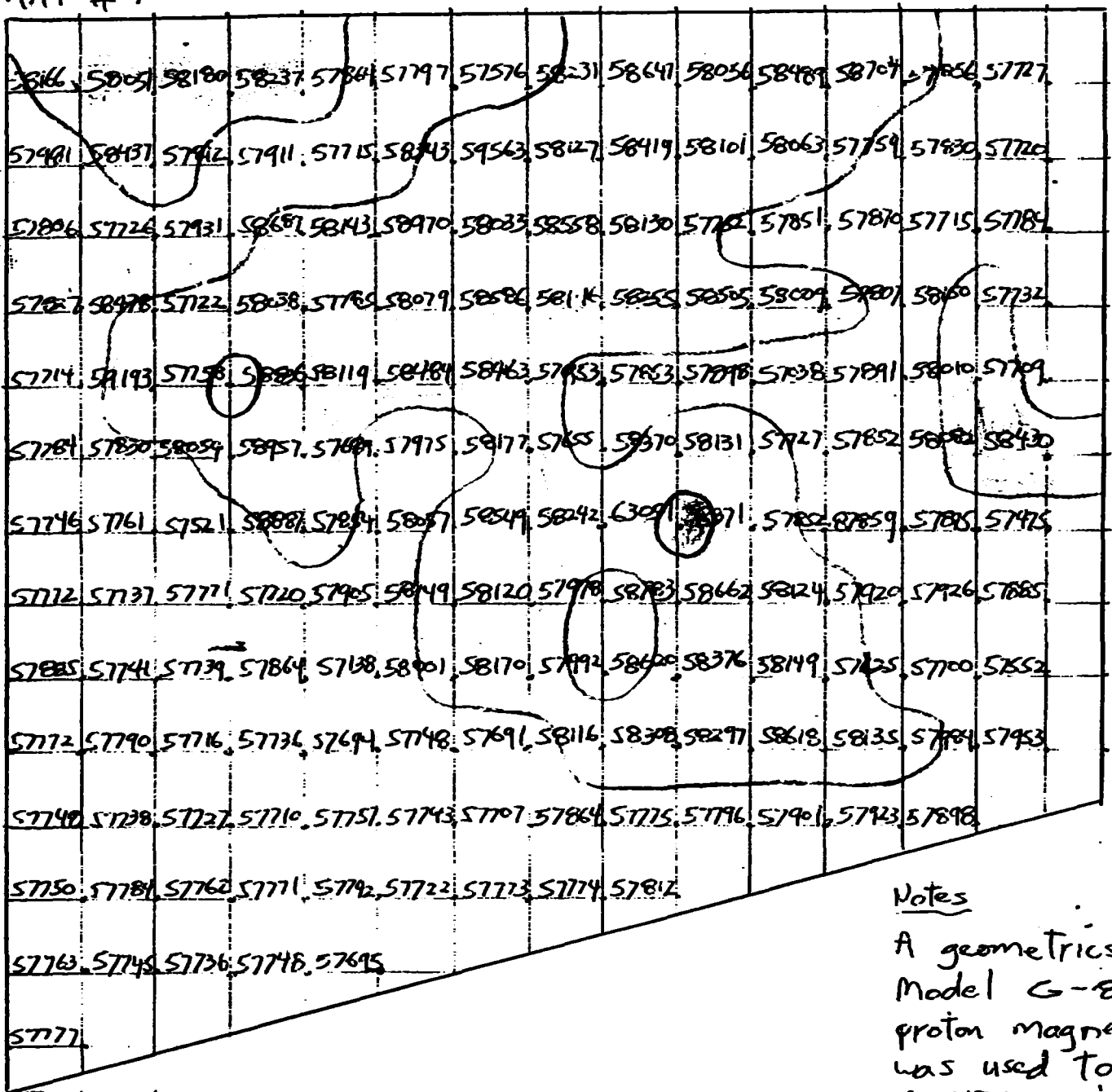
A Geometrics Model G-816 Proton magnetometer was used to do the survey.

Scale: Four centimetres represent 100 yards

Legend

- 57805 Reading in gammas
- > 58100
- 58000 - 58099
- 57900 - 57999
- 57800 - 57899
- < 57799

CLAIM # 19467, GILLES LIMIT TOWNSHIP: MAG.
MAP # 7



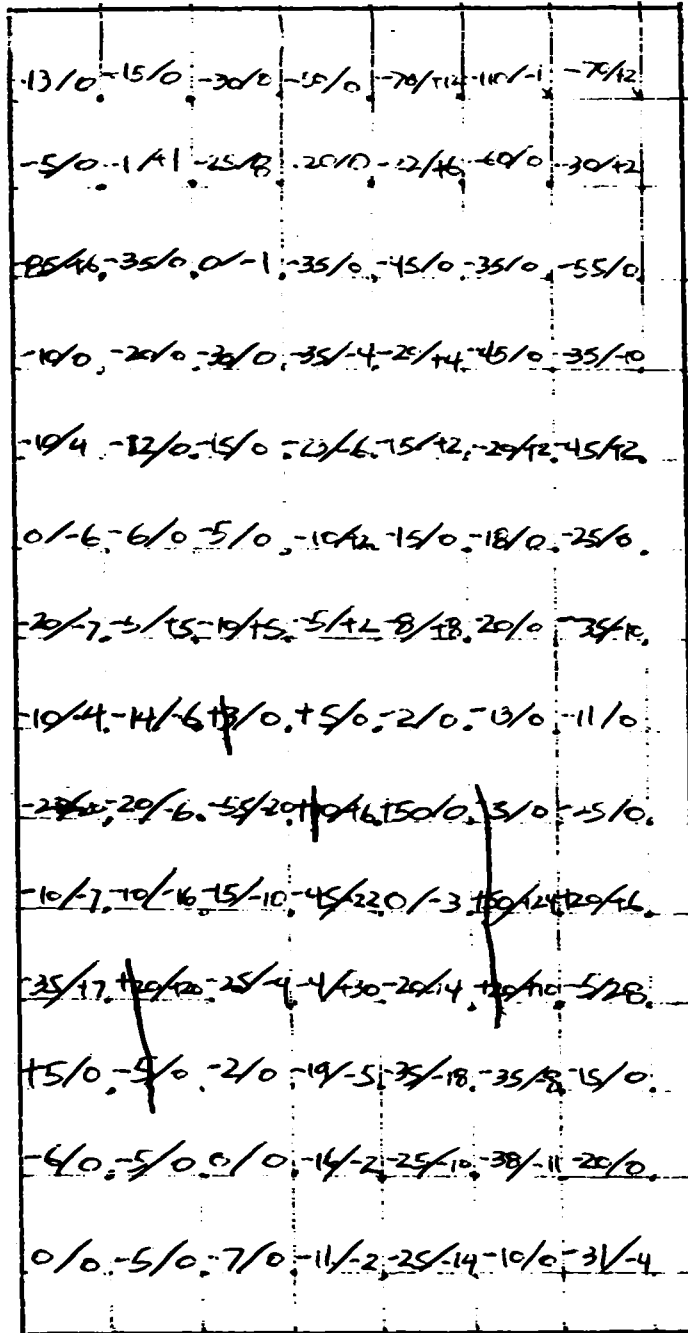
Notes
A geometrics
Model G-816
proton magnetometer
was used to do the
survey.

Scale: Four centimetres represent 100 yards

Legend

- 58166 Reading in gammas
- > 60 000
- 59 000 - 59 999
- 58 000 - 58 999
- < 57 999

CLAIM # 334, COLEMAN TOWNSHIP: V.L.F.
MAP #8



Notes

A GEONICS EM 16
was used. V.L.F.
transmission station
NAA - Cutler,
Maine was selected.

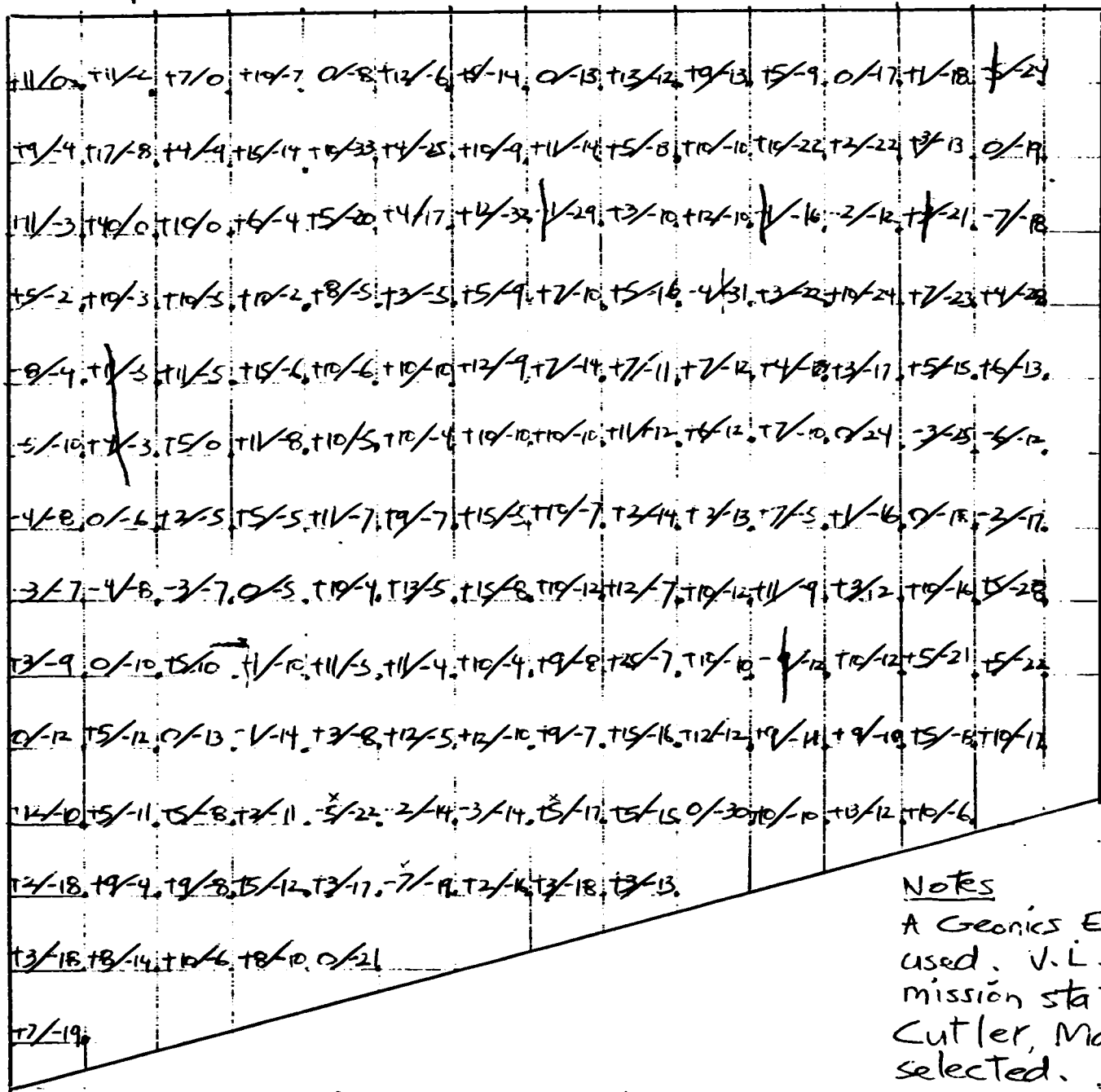
Scale: Four centimetres represent 100 yards

Legend

In-phase → - 70/12 ← Quadrature

— Possible V.L.F. anomaly (No conductors were located)

CLAIM # 19467, GILLES LIMIT TOWNSHIP: V.L.F. MAP # 9



NOTES

A Geonics EM16 was used. V.L.F. Transmission station NAA Cutler, Maine was selected.

Scale: Four centimetres represent 100 yards

Legend

In phase + 11/0 ← Quadrature

— Possible V.L.F. anomaly (No conductors were located with the possible exception of a weak one on the mineralized area on line 9 between stations 10 and 11.)



Established 1928

Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

3W-2450-RG1

Company: **GERRY O'REILLY**

Date: **SEP-17-93**

Project:

Attn:

We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted SEP-10-93 by:

Coleman Township

Sample	Au	Au	Ag	Bi	Cd	Co	Cu	Ni	Pb	Zn
Number	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
#1	446	408	4.0	38	6	482	227	53	712	1460

Certified by *Dennis Chantre*



Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

3W-2603-RG1

Company: **G. O'REILLY**

Date: OCT-07-93

Project:

Attn:

We hereby certify the following Geochemical Analysis of 9 ROCK samples submitted OCT-01-93 by

Gilles Limit Township

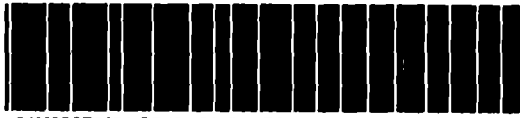
Sample Number	Au PPB	Ag PPM	Co PPM	Cu PPM	Zn PPM	Ti PPM
F-2	Nil	0.2	26	79		to
F-3	Nil	0.1	8	12		follow
F-6	Nil	0.1	22			
F-21	Nil	1.1	15	217	113	
F-22	Nil	0.1	17			
F-23	65	0.7	34			
F-24	3	0.1	27			
F-25	3	0.1	19			
NO NUMBER	Nil	0.4	18			

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



31M05SE0031 OP93-830 GILLES LIMIT

020

THE BEEP MAT: SOME UNSOLICITED COMMENTS

THE BEEP MAT: SOME UNSOLICITED COMMENTS

Over the years, since the days of the "Beep Boots" (the prototype Beep Mat), the Beep Mat concept has fascinated me. Last year (1993), however, was the first time I ever used the device.

I realize that the mat has its share of shortcomings: it can be a bit awkward to use in dirty bush; having to "re-initiate" the gismo is a nuisance; and, like other EM equipment, it tends to be selective in its sulphide mineralization responses. Most O.G.S. offices I deal with have good yarns about how some Beep Mat tests have failed utterly over some areas with abundant economic sulphide mineralization at or close to the surface. In this connection, it's worth mentioning that the sophisticated gear used by DIGEM in the recent provincial air

mag/EM surveys ² have missed some good ones! An example I'm familiar with is the Mammoth metals prospect a few miles northeast of Wawa. Although there are many tons of glena on the surface around old pits and muck piles at this showing, the fancy equipment used by DIGHEM gave absolutely no geophysical response.

My first experience with the Beep mat on the Coleman Township claim was unequivocally disappointing. The mag alarm responded well to the old compressed air pipe at the north end of the claim and to an old overgrown garbage dump with lots of tins cans in it, and that was it.

The Botha Lake claim was a different story. The mat located a considerable amount of magnetite float and some in situ magnetite in the area

of a mag high on line #9. More significantly, it found considerable sulphide mineralization on lines 8 and 9. Most of this was very innocent looking stuff with little or no mineral stain which I'm sure I would have bypassed without the instrument. Significantly, nearly all of the sulphides were very finely disseminated and the material in general was weakly mineralized with considerably less than 5% sulphides. I'm no geophysicist; but, to my knowledge, I.P. systems and, in some situations, resistivity methods are the only ones to give much of a response to this sort of stuff - hence their great value in the search for some gold and P.G.M. deposits where all or most of the mineralization is disseminated. As it turned out, my assay

4

results were not encouraging, but the mat certainly did its job. I had a similar experience on another property later on last fall.

I also found the mat to be very rugged and straightforward to use / interpret.

The bottom line is this: where sulphide mineralization is a target in areas covered by shallow till, the Beep Mat can be a real asset, and I think M.N.D.M. has done the Ontario prospecting community a real service by making these instruments available at no cost. I'm so impressed with the device that I wouldn't consider doing any "boot and hammer" prospecting without one, and in out-of-province situations I'd definitely be willing to rent a unit.

Gerry O'REILLY,

Prospector,

Box 991,

Cochrane, Ontario P0L 1C0

Canada

(705) 272-5262



31MOSSED031 OP93-630 GILLES LIMIT

900

Blasting, drilling, geobotany,
mag. radiation, resistivity, V.L.F.
Claims for option/sale, etc.

January 26, 1994.

Mr. E. Solonyka,
Ontario Ministry of Northern Development and Mines,
Mineral Development Section,
5th Floor,
933 Ramsey Lake Road,
Sudbury, Ontario P3E 6B5.

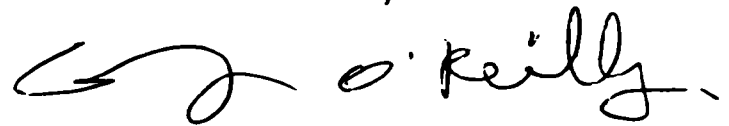
Dear Mr. Solonyka:

Enclosed herewith is my final
report for OPAP Grant File # OP93-630

I'd like to take this occasion
to thank M. N. D. M. for its help
during the project. I'm convinced
the grant funds, the good advice and
help from Jim Ireland, Elaine Basa,
and Ray Zanerinus; and the free

use of the Cobalt Resident Geologist's
Beep Mat helped me to do the best
job possible.

Thanks sincerely, folks: that kind
of support was and is enormously
appreciated.

Yours very truly,
 J. O'Reilly.