



42A01NE0268 2.9346 GRENFELL

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NEIGHBORS RESOURCES INC.

REPORT ON

MAGNETOMETER SURVEY

JOHN SIROLA CLAIMS

GRENFELL TOWNSHIP, ONTARIO

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RECEIVED

AUG 19 1986

MINING LANDS SECTION

NORTH BAY, ONT.

July 7, 1986

C. T. BISCHOFF, Eng.

Qual. 63-1301

NEIGHBORS RESOURCES INC.

REPORT ON MAGNETOMETER SURVEY OVER

JOHN SIROLA CLAIMS - GRENFELL TOWNSHIP, ONT.

INTRODUCTION:

I have completed a magnetometer survey over the Sirola claims held by Neighbors Resources Inc. in Grenfell Township, Ont.. This property was quite extensively explored in the 1930's, including the sinking of a two compartment shaft and performance of underground development at a depth of 250 feet. Several hundred tons of high grade ore are reported to have been shipped from a pit near the shaft and from the 60 foot level beneath the pit.

In the shaft area gold and considerable tungsten occurs in quartz veins and fracture zones trending generally northeast adjacent to a diorite-fine grained volcanic contact and in quartz veins trending generally northwest in association with intrusive porphyry.

It is not known with certainty whether the "diorite" is actually intrusive or an iron-rich phase of tholeiitic lavas which underlie much of the township. In any event it is easily traced with the magnetometer, providing important structural information. The adjacent fine-grained softer flows appear to have yielded under stress and permitted formation of a fracture pattern to admit mineralizing solutions. A magnetometer survey therefor became an obvious choice and the results have proven very interesting.

CLAIM DATA:

The Sirola Group consists of the central or shaft claim and seven surrounding claims. There is also one small patented claim adjoining to the southeast covered by the survey with permission of the owner. Numbers are as follows: 512579 (shaft claim), 522687, 522688, 522689, 522690, 522691, 522692 and 522693. The adjacent patented claim is numbered 39216.

SURVEY DETAILS:

A north-south baseline was cut and chained through the shaft which is approximately in the center of the property. From this east-west picket lines were turned off, cut and chained at 100 meter intervals along the base line. Chainage pickets were marked at 25 meter intervals along these lines.

Readings were taken with a Scintrex MF-2-100 Fluxgate Magnetometer at 25 meter intervals with intermediate readings where strong variation occurred. Readings were corrected for diurnal variation using sufficient control station to limit errors across the entire survey to about 100 gamma.

Slightly over 14 miles of lines were cut, chained and read resulting in about 1200 readings. 70 man days were spent on line cutting and chaining and 16 man days on the actual survey including drafting and report.

SURVEY RESULTS:

A contact between magnetic "diorite" and fine-grained volcanics containing gold-bearing quartz veins was known to extend about N 30° E from the shaft, disappearing under a swamp. Its extension in the opposite

direction was not known although the same or a similar band of fine-grained volcanics was known to extend on strike for at least several hundred feet.

Results of the survey indicate that the magnetic diorite extends on strike northeast without interruption to the northern limit of the claim group. Whether the fine-grained volcanic continues along the contact for the entire distance will require detailed geological observations to determine.

In the opposite direction the diorite appears to have been displaced several hundred feet to the east along a known fault just south of the shaft. If this is true the band of fine-grained volcanics extending southeast from the shaft area would need to be a different one from that extending along the diorite to the northeast. The geological survey which is to follow may provide some explanation.

The apparently displaced portion of diorite contact south of the shaft presents a crumpled appearance on the magnetometer map. This might be interesting from the standpoint of fracturing. A mineralized showing which I have not yet seen is said to occur on the patented claim through which this apparently crumpled contact passes. Its evaluation and extension might prove interesting.

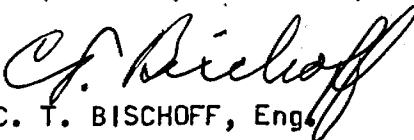
Other magnetic features occur in various parts of the property. Their interpretation and assessment of importance will be greatly aided by the geological survey.

Soil sampling is planned over the more favourable zones of which the northeast trending diorite-fine-grained volcanic contact is one. Overburden is shallow over most of the property and surface sampling of the humus horizon should give useful results. The purpose is to identify

sections along the favourable zones where gold mineralization may have occurred, thereby providing drilling targets. Any commercial values intersected in following up this work would constitute new discoveries which would be in addition to ore developed in exploring and extending known mineralization in the Shaft and Shea Vein areas.

An area of about 7.5 hectares or 18.5 acres in the northwest part of the property is quite swampy and was not covered at this time. This should be done as soon as opportunity permits.

Respectfully submitted,


C. T. BISCHOFF, Eng.



42A01NE0268 2.9346 GRENFELL

900

Mining Lands Section

File No 2.9346

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL

GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

MINING LANDS COMMENTS:

Lgd.
S.

Dennis K.
Signature of Assessor

Aug. 19/86
Date

313/86

- Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) Magnetometer		Township or Area GREENFELL	
Claim Holder(s) NEIGHBORS RESOURCES INC,		Prospector's Licence No. T3624	
Address 500-67 Richmond St. W, Toronto Ont M5H1Z5			
Survey Company C. T. BISCHOFF, P. Eng		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. 1 5 86 15 6 86	Total Miles of line Cut 14
Name and Address of Author (of Geo-Technical report) 295 Lakeshore Dr North Bay, Ont P1A3N8			

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
	- Magnetometer	40
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	512579				
	522687				
	522688				
	522689				
	522690				
	522691				
	522692				
	522693				

RECEIVED
AUG 19 1986
MINING LANDS SECTION

RECEIVED
AUG 11 1986
9:45am.

RECORDED
AUG 11 1986
Receipt #

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **P**

Date **11/8/86** Recorded by or Agent (Signature) **C. T. Bischoff**

For Office Use Only

Total Days Cr. Recorded **320** Date Recorded **AUG 11 1986** Mining Recorder **Acting**

Date Approved as Recorded **8.8.20** **Chinn**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
C. T. BISCHOFF **295 Lakeshore Dr North Bay Ont P1A3N8**

Date Certified **11/8/86** Certified by (Signature) **C. T. Bischoff**

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File	
①			S.R.O.	27993	
②	SEC. 36/80	W. 48/81	11/8/81	S.R.O.	27993
③	SEC. 36/80	W. 101/81	27/10/81	S.R. B.M.R.	
④	SEC. 36/80	W. 102/81	5/11/81	M.W.O.	
⑤	SEC. 36/80	W. 103/81	5/11/81	S.R. B.M.R.	

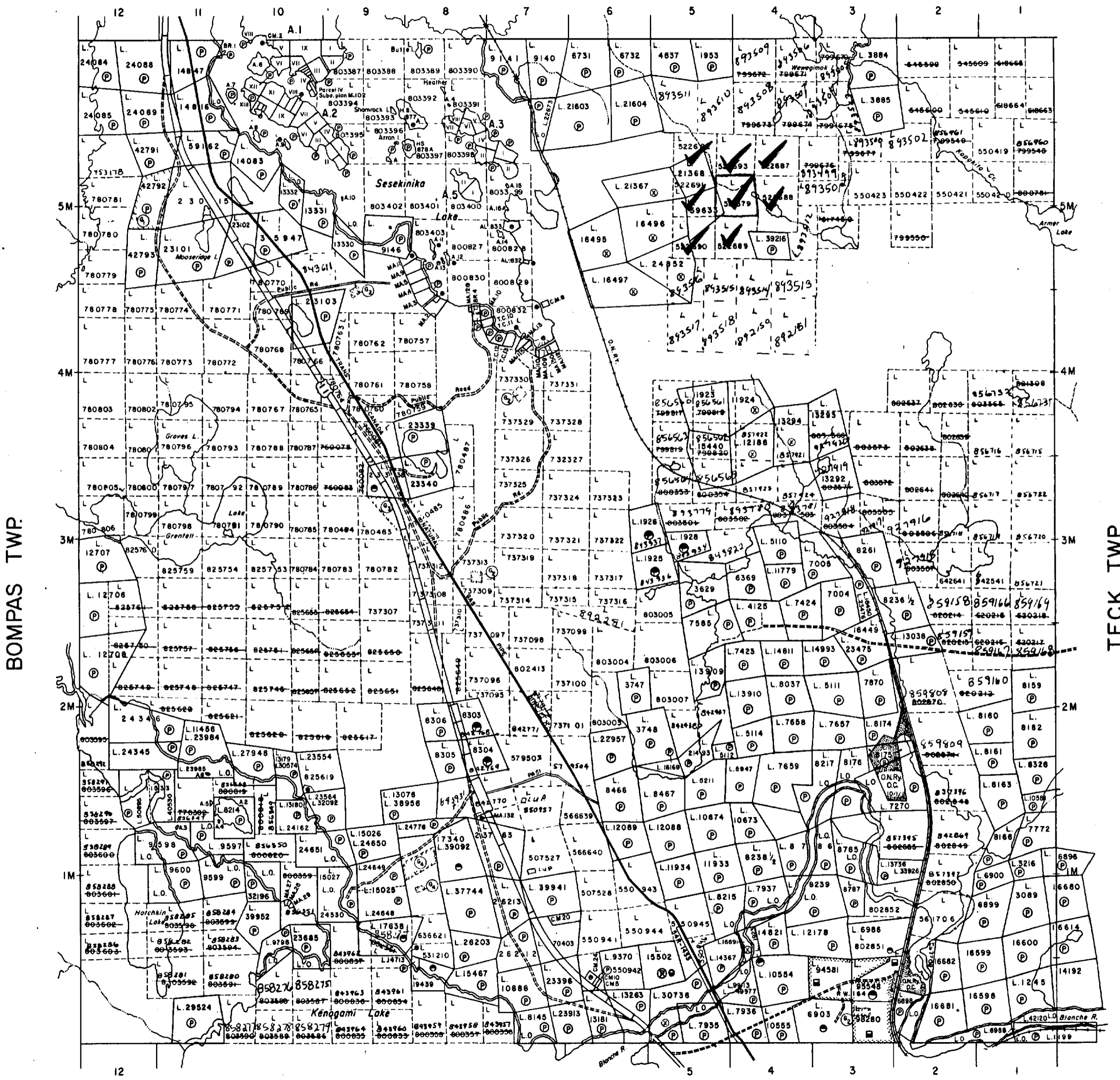
SAND AND GRAVEL

- ① GRAVEL FILE 127536
- ② GRAVEL FILE 127784
- ③ M.V.C. GRAVEL PIT
- ④ GRAVEL FILE 64647

NOTES

ALL ISLANDS IN SESEKINIKA LAKE ARE WITHDRAWN FROM STAKING BY ORDER-IN-COUNCIL DATED DEC. 7, 1921

MAISONVILLE TWP.



LEGEND

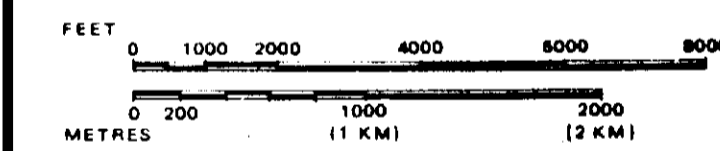
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	⊙ or ●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	⊙
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LICENCE OF OCCUPATION	L.O. or ⊙
ORDER-IN-COUNCIL	⊙
RESERVATION	⊙
CANCELLED	⊙
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS

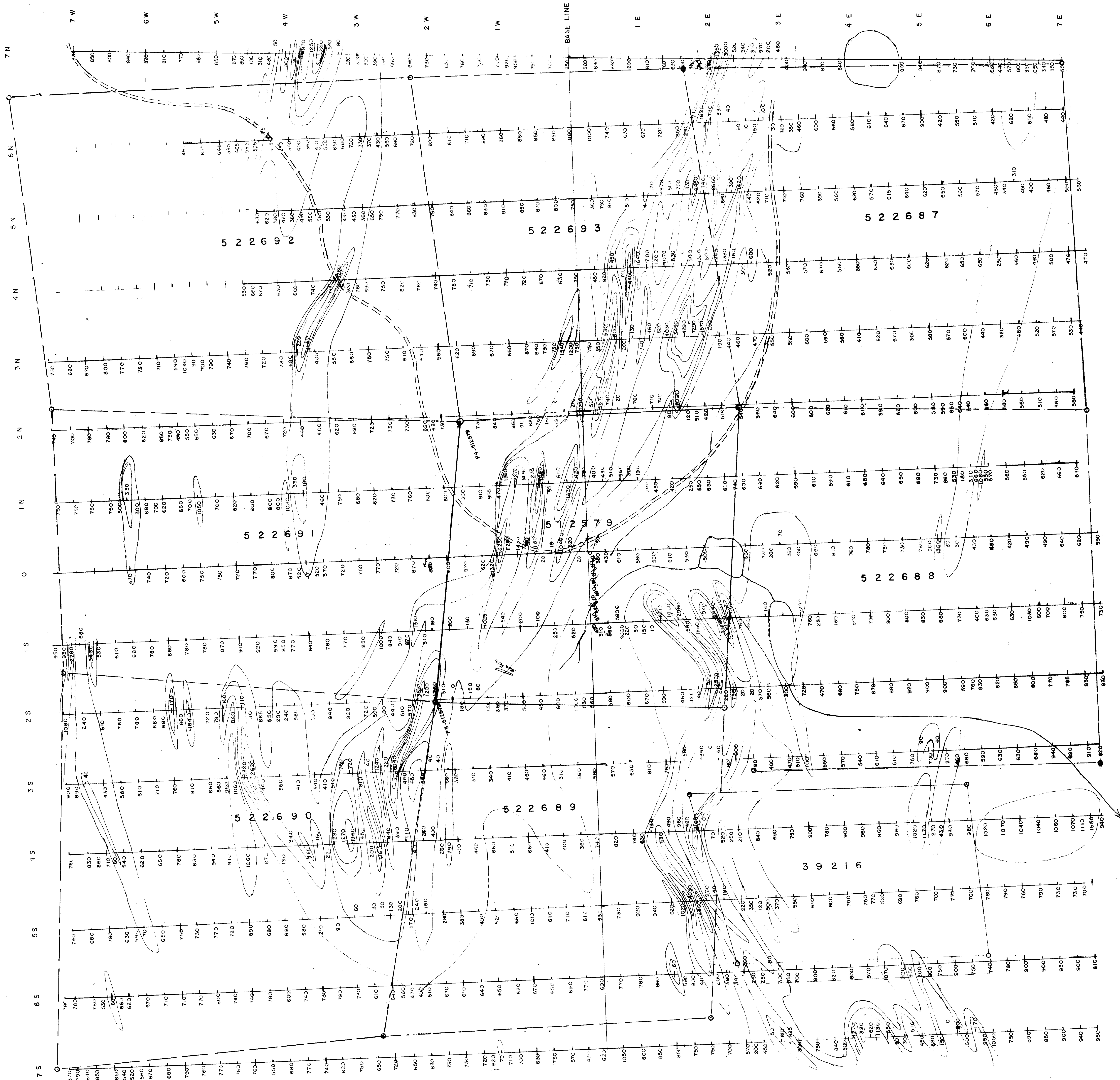


TOWNSHIP
GRENFELL
 M.N.R. ADMINISTRATIVE DISTRICT
 KIRKLAND LAKE
 MINING DIVISION
 LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
TIMISKAMING

Ministry of Natural Resources Land Management Branch

Date JANUARY, 1985
 Number
G-3212
 JUL 7 1986





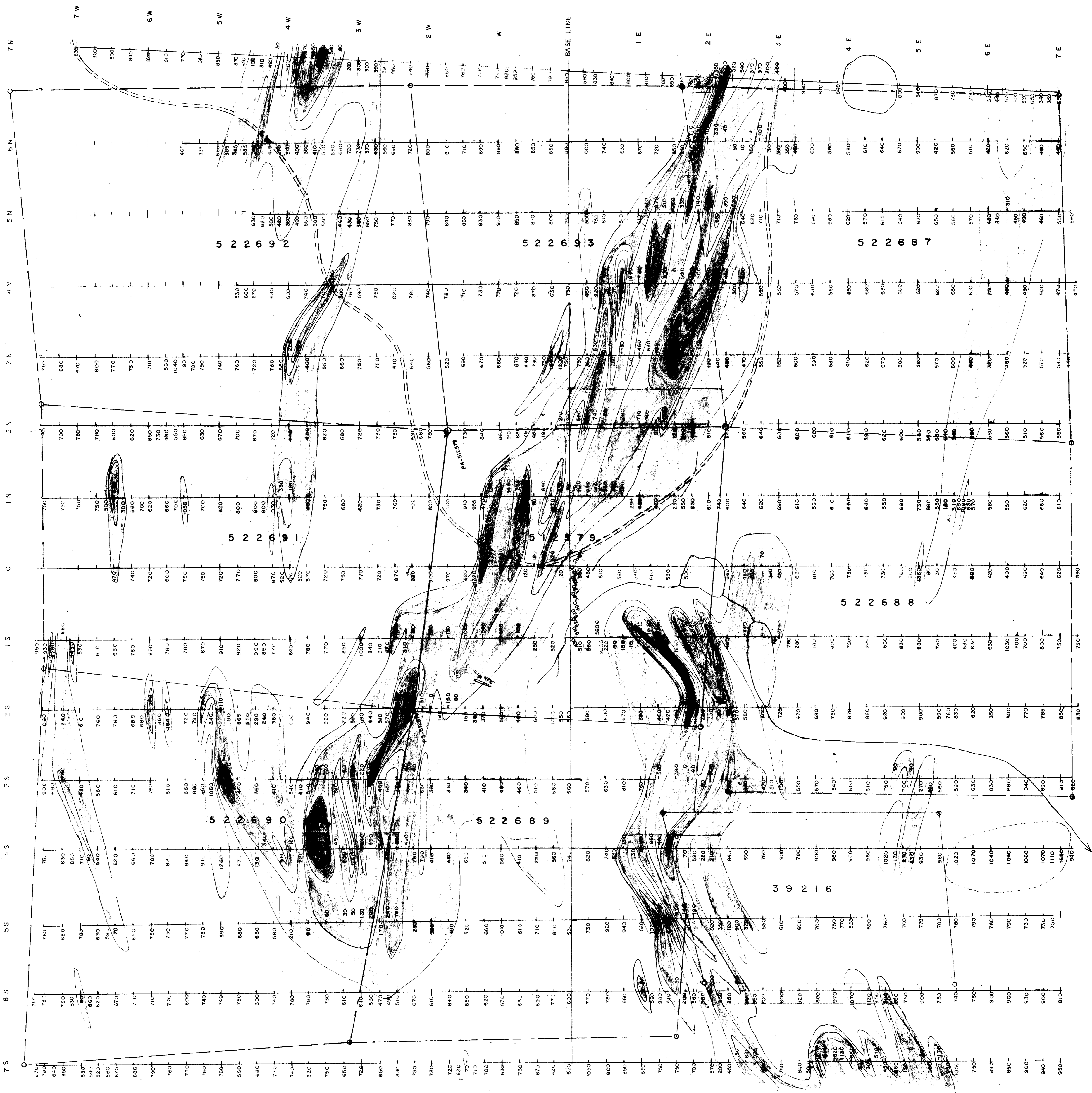
LEGEND

RELATIVE VERTICAL MAGNETIC INTENSITY (GAMMA)	NEG.	POS.
550		
1200		
RELATIVELY POSITIVE AREAS	SHADES OF BLUE	
" NEGATIVE "	" RED "	

29346

NEIGHBORS RESOURCES INC.
 MAGNETOMETER SURVEY
 SIROLA CLAIMS
 GRENFELL TOWNSHIP, ONT.
 SCALE 1:2000 JUNE 1986 C. T. BISCHOFF, Eng.





LEGEND

RELATIVE VERTICAL MAGNETIC INTENSITY (GAMMA)

NEG. POS.

550

1200

RELATIVELY POSITIVE AREAS SHADES OF BLUE

NEGATIVE " RED

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2.9346 (dup)
 OM85-6-C-258

