

RECEIVED
DEC 14 1981
MINING LANDS SECTION



42A10SW0090 2.4400 MATHESON

010

MATHESON TOWNSHIP PROPERTIES

GOLDEIDT EXPLORATIONS INC.

DECEMBER 6, 1981

INTRODUCTION

During the month of September, 1981 Horizontal Loop Electromagnetic (H.E.M.) and magnetometer surveys were conducted over two claims blocks held by Goldeidt Exploration Ltd. Line cutting was performed by Mid-Canada Explorations Ltd. and geophysical surveys were carried out by Geo.Ex Ltd., contracting firms located in Timmins.

Survey results and claim block locations are presented on the maps accompanying this report.

LOCATION AND ACCESS

Grid 'C' covers a block of four contiguous claims located some nineteen miles east of Timmins, Ontario in Lots 1 and 2, Concession 1 in Matheson Township, District of Cochrane. Access is easily provided by Highway 101, a short distance from the northern boundary of the claim block.

Grid 'D' covers a block of four contiguous claims located some seventeen miles east of Timmins, Ontario in Lot 6, Concession 1 in Matheson Township, District of Cochrane. Access is via Highway 101 about one-half mile north of the northern boundary of the claim block. Matheson Creek runs along the eastern boundary of the claims.

OWNERSHIP

Both claims blocks are owned by:

Goldeidt Explorations Inc.,
c/o Mr. R. Sibthorpe,
P. O. Box 25,
Toronto Dominion Centre,
Toronto, Ontario
M5K 1B5

Contracting services employed were,

Mid-Canada Exploration Services Ltd.,
8-251 Third Ave.,
Timmins, Ontario

Geo.Ex Ltd.,
P. O. Box 70,
Timmins, Ontario

This report has been prepared on behalf of Goldeidt Explorations, Inc., by Mr. Robert Sibthorpe. The writer graduated in 1973 with a B.Sc. (4-year, Hons.) in Geological Sciences from the University of Toronto and has been engaged in the mining industry since that date. The writer also spent one full year in Timmins area performing and interpreting geophysical surveys for a major Canadian mining company.

CLAIMS NUMBERS

Grid 'C'	P576992	Grid 'D'	P529001
	P576993		P529002
	P576994		P529003
	P576995		P529004

GENERAL GEOLOGY

Both grids are covered by a thick mantle of glacio-fluvial sediments and no rock outcroppings were encountered on the properties. Both claims blocks are believed to be underlain by a series of Archean metasediments including interbedded greywackes and conglomerates associated with the Destor-Porcupine Fault extending through the Townships to the south.

PREVIOUS WORK

There is no record of previous work on either of the Matheson Tp. grids.

RESULTS AND CONCLUSIONS

Grid 'C'

Magnetometer Survey The Survey revealed very little variation in magnetic relief and no anomalous zones. This result suggests that the area is underlain by rocks of similar magnetic characteristics. Localized magnetic highs are attributed to variations in bedrock topography.

H.E.M. Survey The results of the E.M. survey were negative as no definite conductive zones were revealed on either the high or low frequencies. Variation in profiles is likely due to changes in overburden depths.

Grid 'D'

Magnetometer Survey Variation in vertical magnetic field on grid 'D' was limited to some 400 gammas. There appears to be a general decline in values from south to north which is attributed to either differences in bedrock topography or variations in the magnetic properties of the metasediments suspected to underlie the grid.

H.E.M. Survey Readings were strongly influenced by the power line which transverses the property diagonally southwest to northeast. No conductors were revealed in areas free from this influence.

INSTRUMENT AND SURVEY DATA

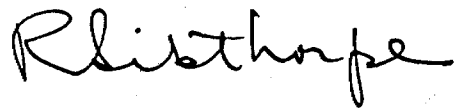
The surveys were carried out over newly-established grids. Lines were cut in a north-south direction every 400 feet with stations every 100 feet. A total of 4.8 miles were cut on grid 'C' and 3.3 miles cut on grid 'D'.

The magnetometer survey was carried out using a Geometrics G-816 Magnetometer capable of measuring variations in the vertical component of the earth's magnetic field ± 1 gamma (γ). Readings were taken along all cut line every 100 feet. On Grid 'C' 252 readings were taken. On Grid 'D' 174 readings were taken. A daily curve of the diurnal was recorded by repeating control points at convenient intervals during the day.

The electromagnetic survey was performed with an Apex Maxmin II Portable EM unit, a two-man EM system designed to measure both the horizontal in-phase and quadrature phase components of the anomalous field from electrically conductive zones. For both grids the transmitting coil and receiving coil were separated by 400 feet and high frequency (1777Hz) and low frequency (444Hz) readings were taken at 100 foot intervals. It should be noted that, because of the coil separation used in this system, a few readings at the ends of cut lines must be omitted. The instrument was used in the Horizontal Loop mode on both grids. The following number of readings (high and low frequency) were taken:

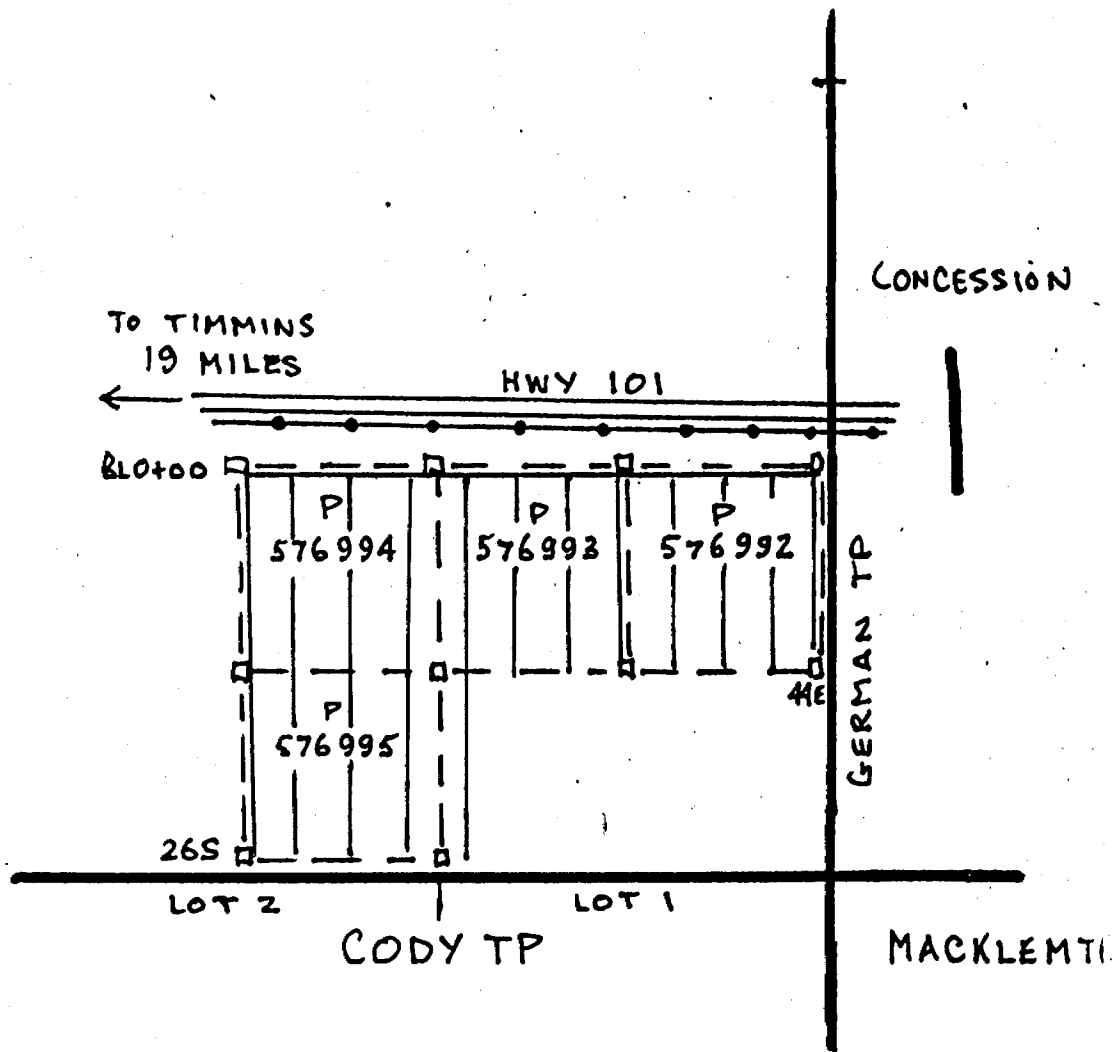
Grid 'C'; 174 readings
Grid 'D'; 138 readings

Respectfully submitted,




A handwritten signature in cursive script, appearing to read "R. Sibthorpe".

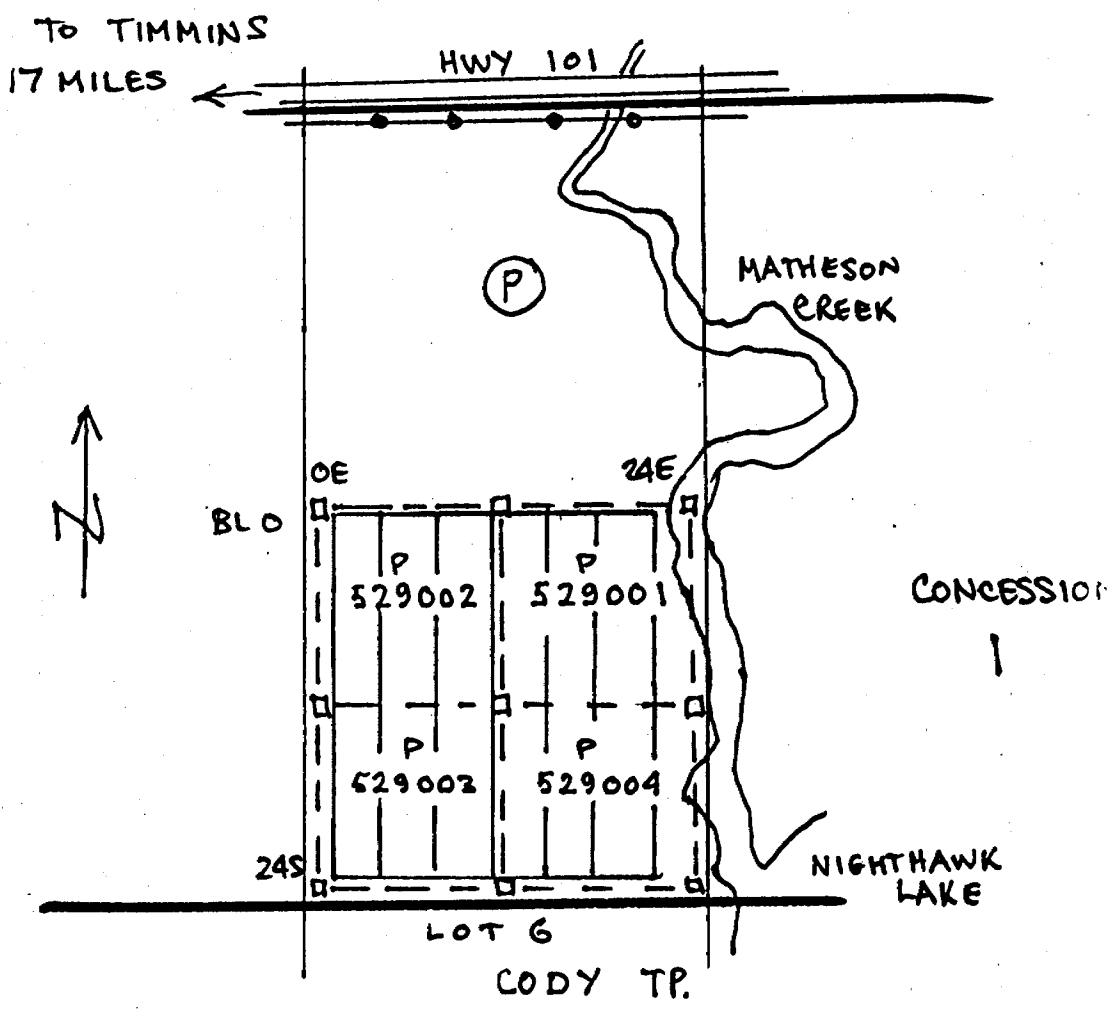
R. Sibthorpe, B.Sc.(Hons.)
Geologist.

RS/cn



LOCATION MAP
 GRID 'C'
 MATHESON TP
 DISTRICT OF COCHRANE
 1 INCH = 1/4 MILE

-  CLAIM BOUNDARY
-  CUT LINE
-  POWER LINE



LOCATION MAP
 GRID 'D'
 MATHESON TP
 DISTRICT OF COCHRANE
 1 INCH = 1/4 MILE

- — CLAIM BOUNDARY
- T — CUT LINE
- ● — POWER LINE



Mining Lands Comments

You wanted this file again

To: Geophysics *Mr. Barlow.*

Comments

Approved Wish to see again with corrections

Date *Jan 3/83*

Signature *Roger [Signature]*

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments

(1)

Approved Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOPHYSICAL
Township or Area MATHESON
Claim Holder(s) GOLDEIDT EXPLORATIONS INC
Survey Company GEO. EX LTD
Author of Report R. SIBTHORPE
Address of Author 47 LYND AV. TORONTO
Covering Dates of Survey 01.09.81 - 25.09.81
(linecutting to office)
Total Miles of Line Cut 8.1

MINING CLAIMS TRAVERSED
List numerically

P ^{EM} 576 992 ^{Mag.}
(prefix) (number)
P / 576 993 ✓
P / 576 994 ✓
P / 576 995 ✓
P ✓ 529 001 ✓
P ✓ 529 002 ✓
P ✓ 529 003 ✓
P / 529 004

If space insufficient, attach list

<u>SPECIAL PROVISIONS CREDITS REQUESTED</u>	DAYS per claim
Geophysical	
-Electromagnetic	<u>40</u>
-Magnetometer	<u>20</u>
-Radiometric	_____
-Other	_____
Geological	_____
Geochemical	_____

ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Dec 13/81 SIGNATURE: R. Sibthorpe
Author of Report or Agent

Res. Geol. _____ Qualifications enclosed

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 8

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 426 Number of Readings 426-Mag 312-EM
Station interval 100' Line spacing 400'
Profile scale 59000 X
Contour interval 25 X

MAGNETIC

Instrument GEOMETRICS G-816
Accuracy - Scale constant +/- 1 gamma
Diurnal correction method BASE STATION REPEATED REPETITION
Base Station check-in interval (hours) 4
Base Station location and value BL 0+00, 12+00E - 594008 GRID C
BL 0+00; 0+00 - 596108 GRID D

ELECTROMAGNETIC

Instrument APEX MAXMIN II
Coil configuration HORIZONTAL LOOP
Coil separation 400 FEET
Accuracy
Method: [] Fixed transmitter [] Shoot back [X] In line [] Parallel line
Frequency
Parameters measured 444 Hz 1777 Hz (specify V.L.F. station)
IN-PHASE AND QUADRATURE PHASE COMPONENTS OF ANOMALOUS FIELDS FROM CONDUCTIVE ZONES

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____
(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

Mining Lands Comments

~~no modifications~~
- no maps signed
- no readings on E.M. maps

To: Geophysics *Mr Barlow*

Comments

*Maps need signature
EM maps require readings*

Approved Wish to see again with corrections

Date *Oct 5/82* Signature *Ryn Rlu*

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections

Date Signature

To: Geochemistry

Comments

Approved Wish to see again with corrections

Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

9981 12 21

2.4400

Mining Recorder's Office
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir;

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims P 529001 et al in the Township of Matheson.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Enclosed is the Report of Work Form which was sent to us by mistake.

Yours very truly

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone 416/965-1380

J. Skura

cc: Goldeidt Explorations Inc.
Toronto, Ontario

1982 10 13

2.4400

Goldaidt Explorations Incorporated
P.O. Box 25
Toronto, Dominion Centre
Toronto, Ontario
M5K 1B5

Attn: Mr. R. Sibthorpe

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer)
Survey submitted on Mining Claims P 529001 et
al in the Township of Matheson

Enclosed are the plans (in duplicate) for the above mentioned survey. In order to complete your submission we require the following information:

- a) all maps must be signed
- b) the E.M. maps require readings, i.e. raw data at each station
- c) claim lines and numbers must be shown on the maps.

For further information, please call Mr. F.W. Matthews at 965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

Encls:

cc: Mining Recorder
Timmins.

47 Lynd Avenue,
Toronto, Ontario.
November 19, 1982.

Mr. E.F. Anderson,
Director-Land Management Branch,
Whitney Block, Room 6450,
Queen's Park,
Toronto, Ontario
M7A 1W3

RECEIVED

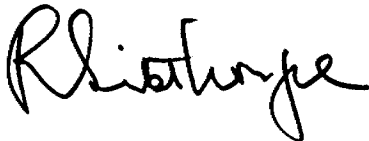
NOV 23 1982

MINING LANDS SECTION

Dear Mr. Anderson:

In response to your request for further information on Mining claims covered in file applications 2.4400 and 2.4401 I have added raw data to the electromagnetic maps, located claim lines and numbers and signed the maps. I have also enclosed a personal resume listing my qualifications as author of the assessment reports.

Yours sincerely,



/cn

PERSONAL RESUME

NAME: Robert Alan Sibthorpe

AGE: 32

ADDRESS: 47 Lynd Avenue,
Toronto, Ontario

PHONE: 534-5652

EDUCATION:

1967-69, 1971-2; Bachelor of Science (Geology) 4 yr.
program, University of Toronto;
specializing in Mineral Exploration.
Thesis; "Metallogeny of Archean Green-
Stone Belts."

1977-1979; Master of Business Administration,
University of Toronto; Natural Resource
Sector option.

1979, Canadian Securities Course;
Investment Dealers Association.

Employment Experience

1970-71; Noranda Exploration Ltd., Timmins Office,
Field Assistant.

1972-74; Ontario Geological Survey, Mineral Deposits
Section, Compilation Geologist.

1975; Prospection Ltd., Sultanate of Oman;
Feasibility studies on copper-zinc develop-
ment project (now in production)

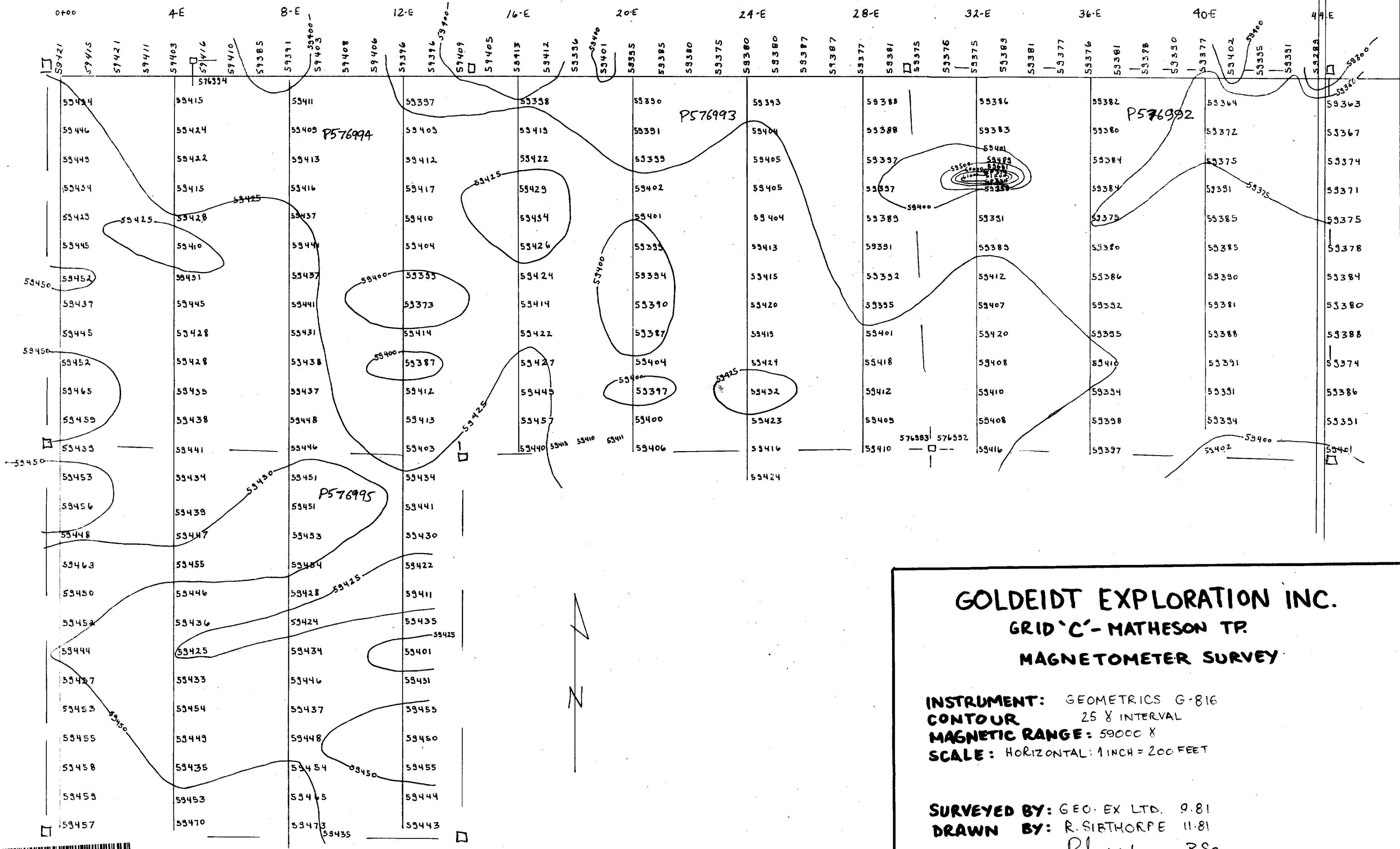
1976-77; Falconbridge Explorations Ltd., Johannesburg,
South Africa; Project Management, Land
acquisition.

1979-present; Mines & Metals Analyst, Midland Doherty Ltd.
Securities analysis and corporate finance.

Memberships

Canadian Institute of Mining & Metallurgy
Toronto Society of Financial Analysts.

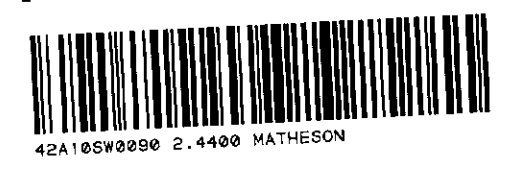
R. Sibthorpe.

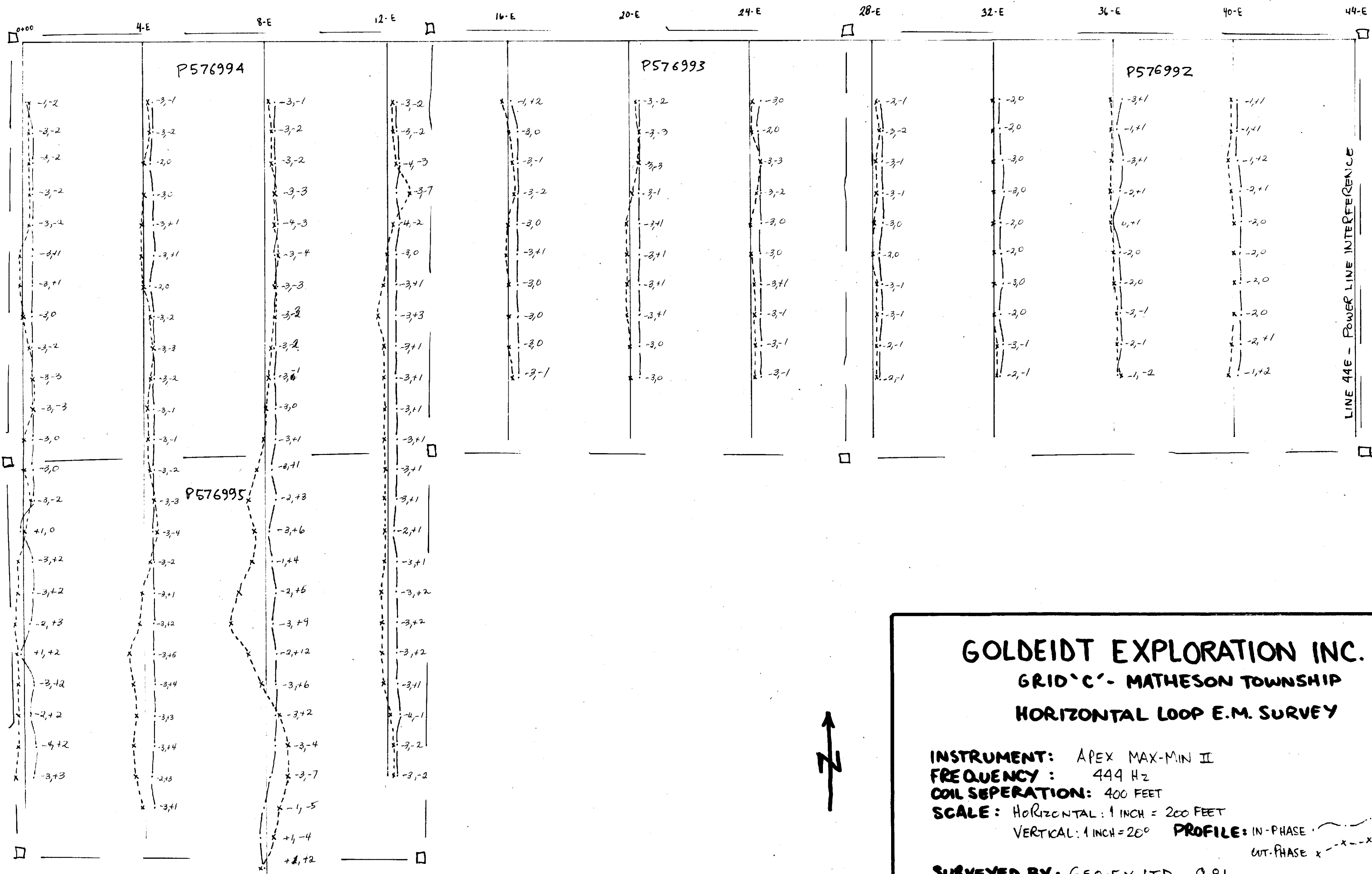


GOLDEIDT EXPLORATION INC.
GRID 'C' - MATHESON TR.
MAGNETOMETER SURVEY

INSTRUMENT: GEOMETRICS G-816
CONTOUR 25 X INTERVAL
MAGNETIC RANGE: 59000 X
SCALE: HORIZONTAL: 1 INCH = 200 FEET

SURVEYED BY: GEO. EX LTD. 9.81
DRAWN BY: R. SIBTHORPE 11.81
R. Sibthorpe B.Sc.



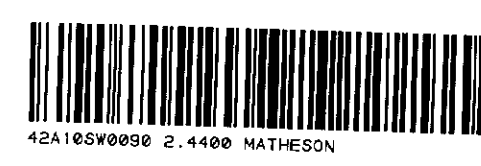


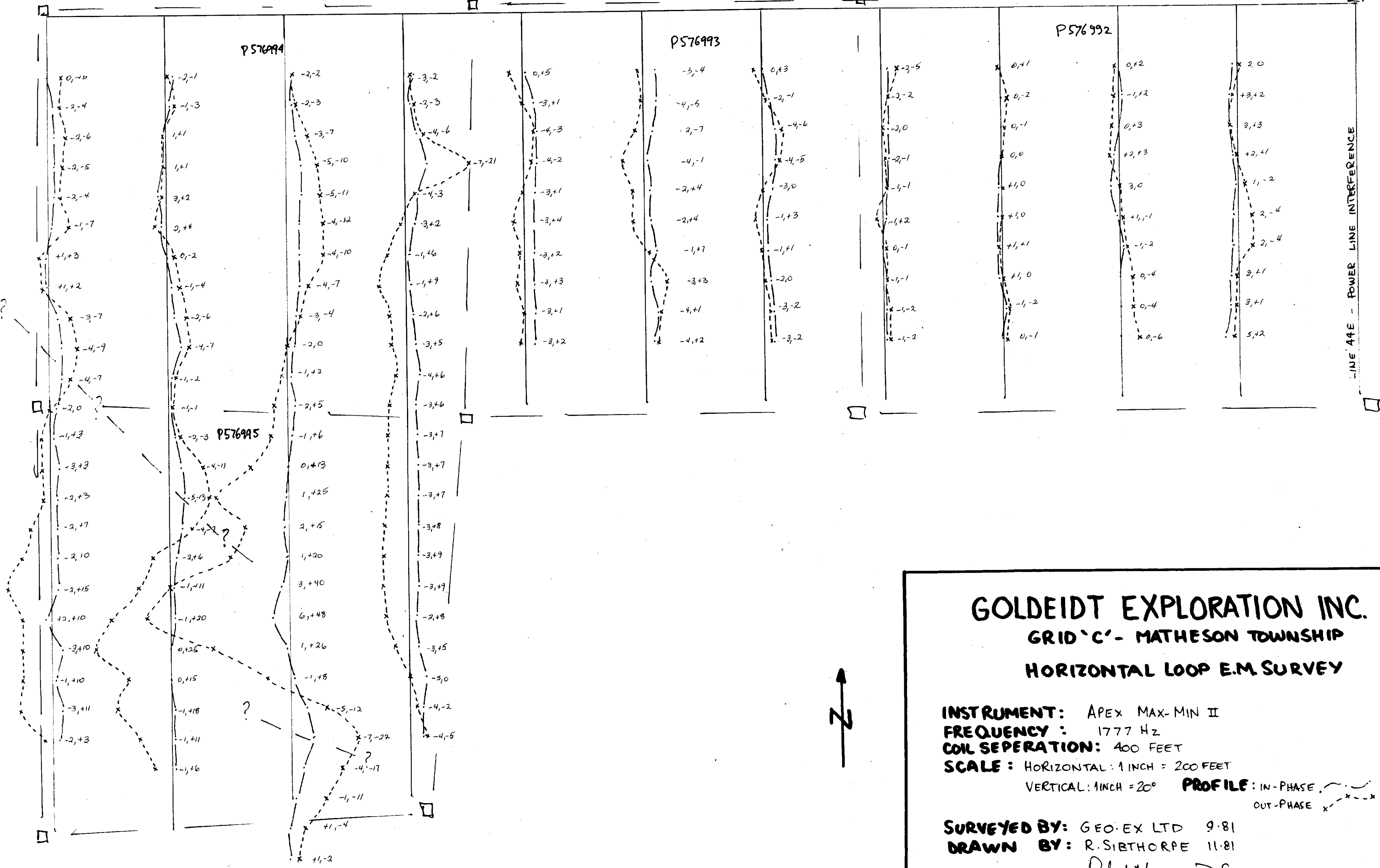
LINE 44E - POWER LINE INTERFERENCE

GOLDEIDT EXPLORATION INC.
GRID 'C' - MATHESON TOWNSHIP
HORIZONTAL LOOP E.M. SURVEY

INSTRUMENT: APEX MAX-MIN II
FREQUENCY: 444 Hz
COIL SEPERATION: 400 FEET
SCALE: HORIZONTAL: 1 INCH = 200 FEET
 VERTICAL: 1 INCH = 20' **PROFILE:** IN-PHASE
 OUT-PHASE

SURVEYED BY: GEO-EX LTD 9-81
DRAWN BY: R. SIBTHORPE 11-81
 R. Sibthorpe B.Sc.

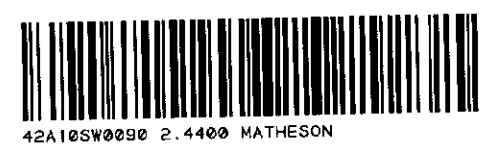


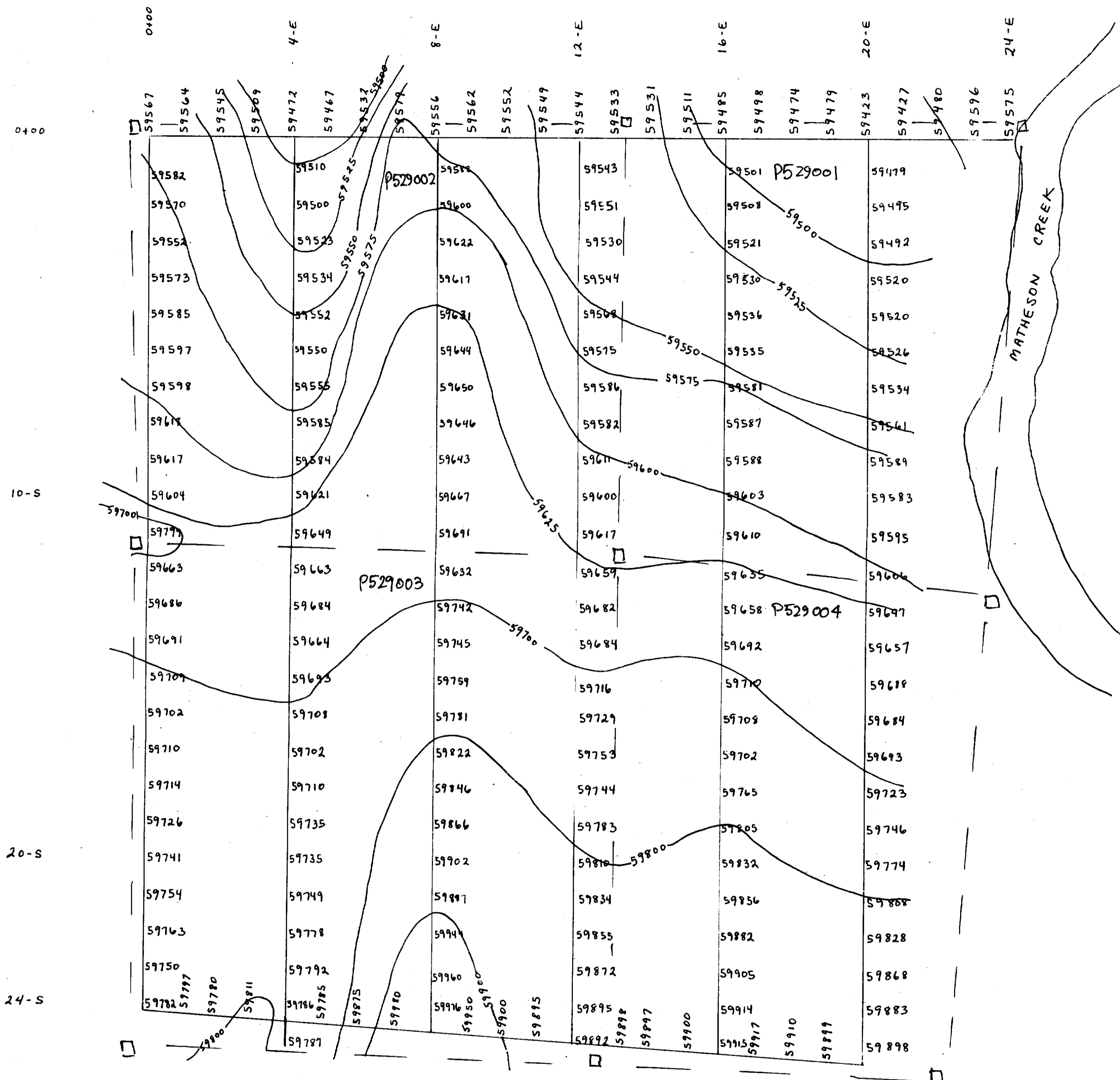


GOLDEIDT EXPLORATION INC.
GRID 'C' - MATHESON TOWNSHIP
HORIZONTAL LOOP E.M. SURVEY

INSTRUMENT: APEX MAX-MIN II
FREQUENCY: 1777 Hz
COIL SEPERATION: 400 FEET
SCALE: HORIZONTAL: 1 INCH = 200 FEET
 VERTICAL: 1 INCH = 20° **PROFILE:** IN-PHASE (solid line), OUT-PHASE (dashed line)

SURVEYED BY: GEO. EX LTD 9-81
DRAWN BY: R. SIBTHORPE 11-81
R. Sibthorpe B.Sc.





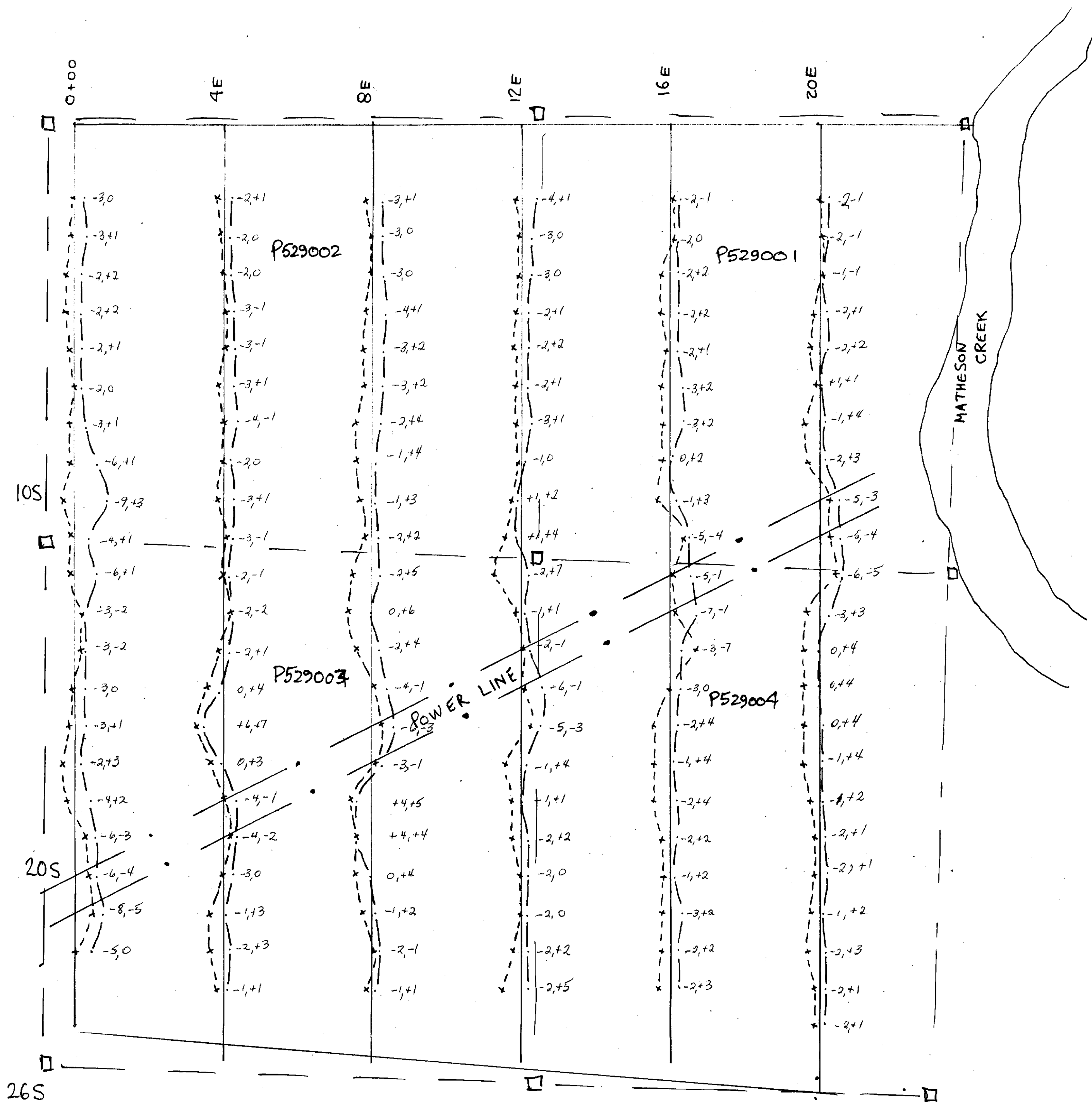
GOLDEIDT EXPLORATION INC.
GRID 'D' - MATHESON TP.
MAGNETOMETER SURVEY

INSTRUMENT: GEOMETRICS G-816
CONTOUR : 25 X INTERVAL
MAGNETIC RANGE: 59000 X
SCALE : HORIZONTAL : 1 INCH = 200 FEET

SURVEYED BY: GEO-EX LTD 9.81
DRAWN BY: R. SIBTHORPE 11.81

R. Sibthorpe





GOLDEIDT EXPLORATION INC
GRID 'D' - MATHESON TP.
HORIZONTAL LOOP E.M. SURVEY

INSTRUMENT: APE X MAX-MIN II

FREQUENCY: 444 HZ

COIL SEPERATION: 400 FEET

SCALE: HORIZONTAL: 1 INCH = 200 FEET

VERTICAL: 1 INCH = 20'

PROFILE: IN-PHASE

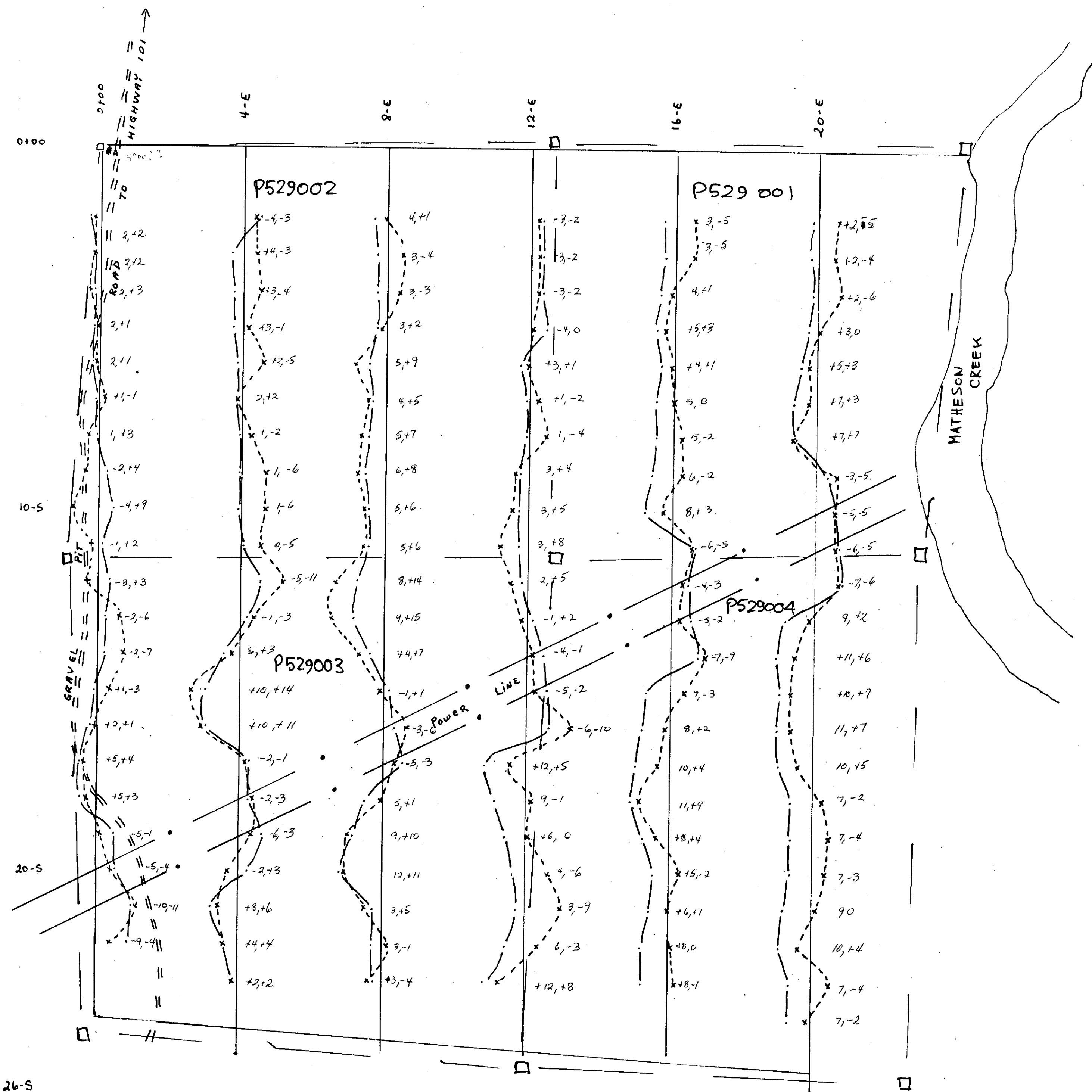
OUT-PHASE x-x-x-x

SURVEYED BY: GEO-EX LTD 9.81

DRAWN BY: R. SIBTHORPE 11.81

R. Sibthorpe





GOLDEIDT EXPLORATION INC
GRID 'D' - MATHESON TP.
HORIZONTAL LOOP E.M. SURVEY

INSTRUMENT: APEX MAX-MIN II
FREQUENCY: 1777 HZ
COIL SEPERATION: 400 FEET
SCALE: HORIZONTAL: 1 INCH = 200 FEET
 VERTICAL: 1 INCH = 20° **PROFILE:** IN-PHASE
 OUT-PHASE

SURVEYED BY: GEO-EX LTD 9-81
DRAWN BY: R. SIBTHORPE 11-81
R. Sibthorpe B.Sc.

