GEOPHYSICAL REPORT

On The

GOLDHURST RESOURCES INCORPORATED
PROPERTY

TURNBULL TOWNSHIP

Ontario

Prepared By:

J. C. Grant, CET, AFGAC
May 20, 1986

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INTRODUCTION

Goldhurst Resources Incorporated holds a group of 21 contiguous, unpatented mining claims in Turnbull Township, Porcupine Mining Division, Northeastern Ontario (figure 1).

The entire group of claims is located in the Northeastern Quadrant of the Township, East of the 26 mile creek, as shown in figure 2.

This report will deal with the results of a geophysical program carried out on 12 of the 21 claims held by the company.

The claim numbers are as follows:

Location	Claim #
Turnbull Township	P867086
"	867087
"	867088
"	867089
"	867090
"	867091
"	849088
"	849089
"	849090
"	849091
"	849092
"	849093

(refer to figure 3, Claim Group Sketch).

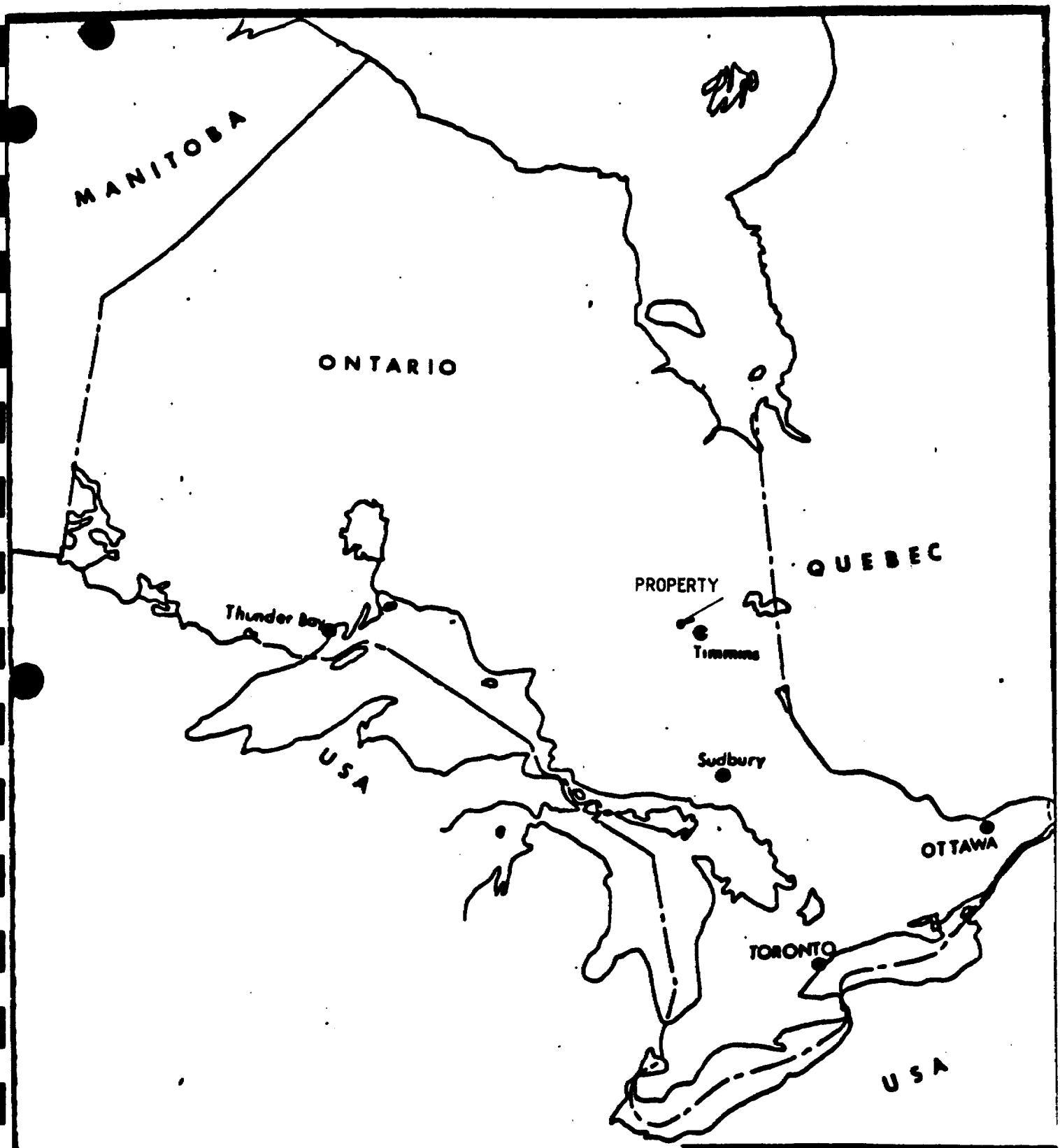
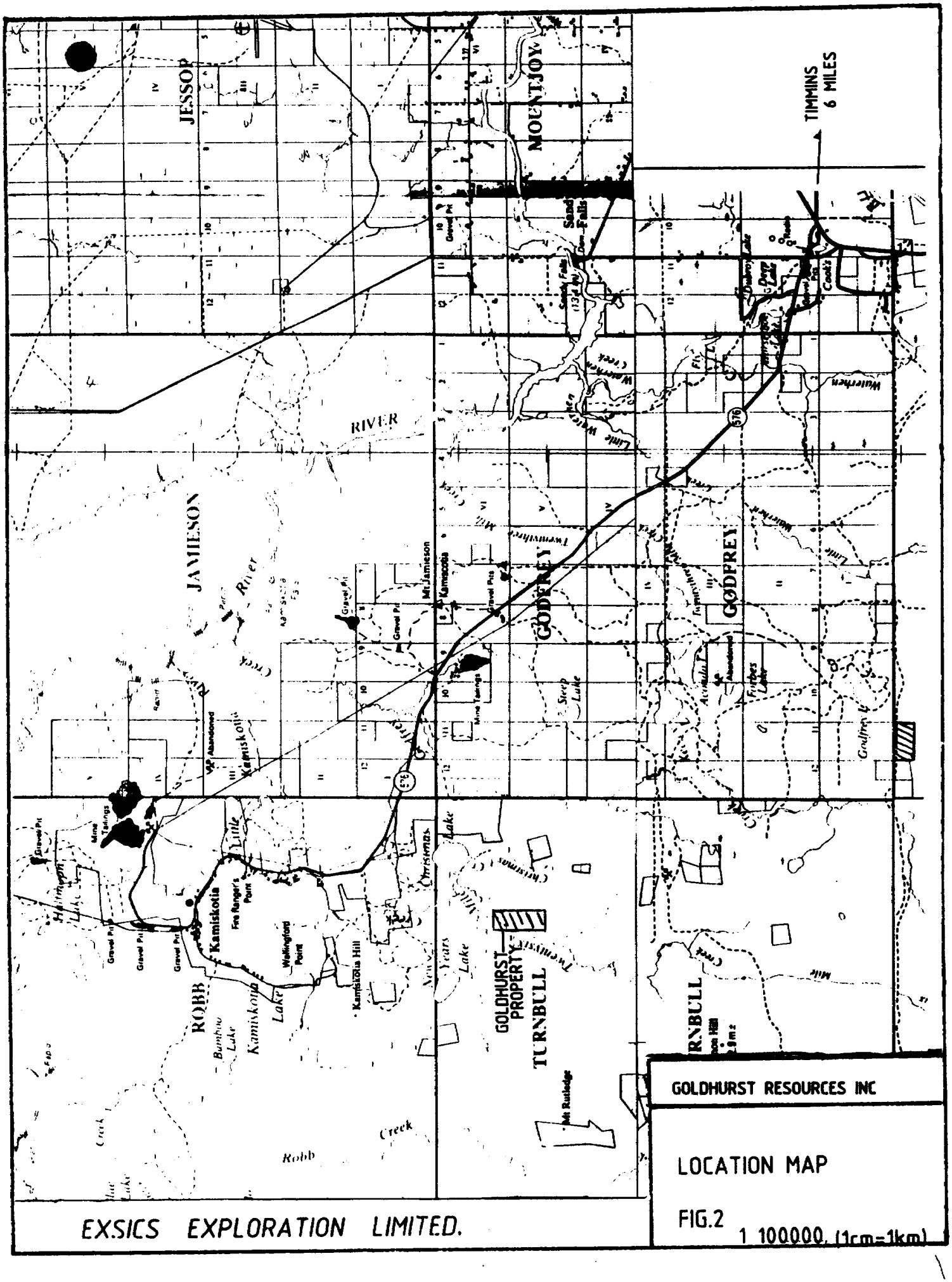


FIGURE 1

LOCATION MAP



GOLDHURST RESOURCES INC

LOCATION MAP

FIG.2 1 100000. (1cm=1km)

EXSICS EXPLORATION LIMITED.

LOCATION

The property is located approximately 14 miles West, Northwest of the City of Timmins, in Turnbull Township. The Eastern boundary of the group is situated 6000 feet West of the Turnbull-Godfrey Township line with the North and South boundaries between the 3.5 and 5.25 mile markers of the Township line. The Northwest corner of the group touches 26 Mile Creek.

ACCESS

Access to the property is ideal during the winter months.

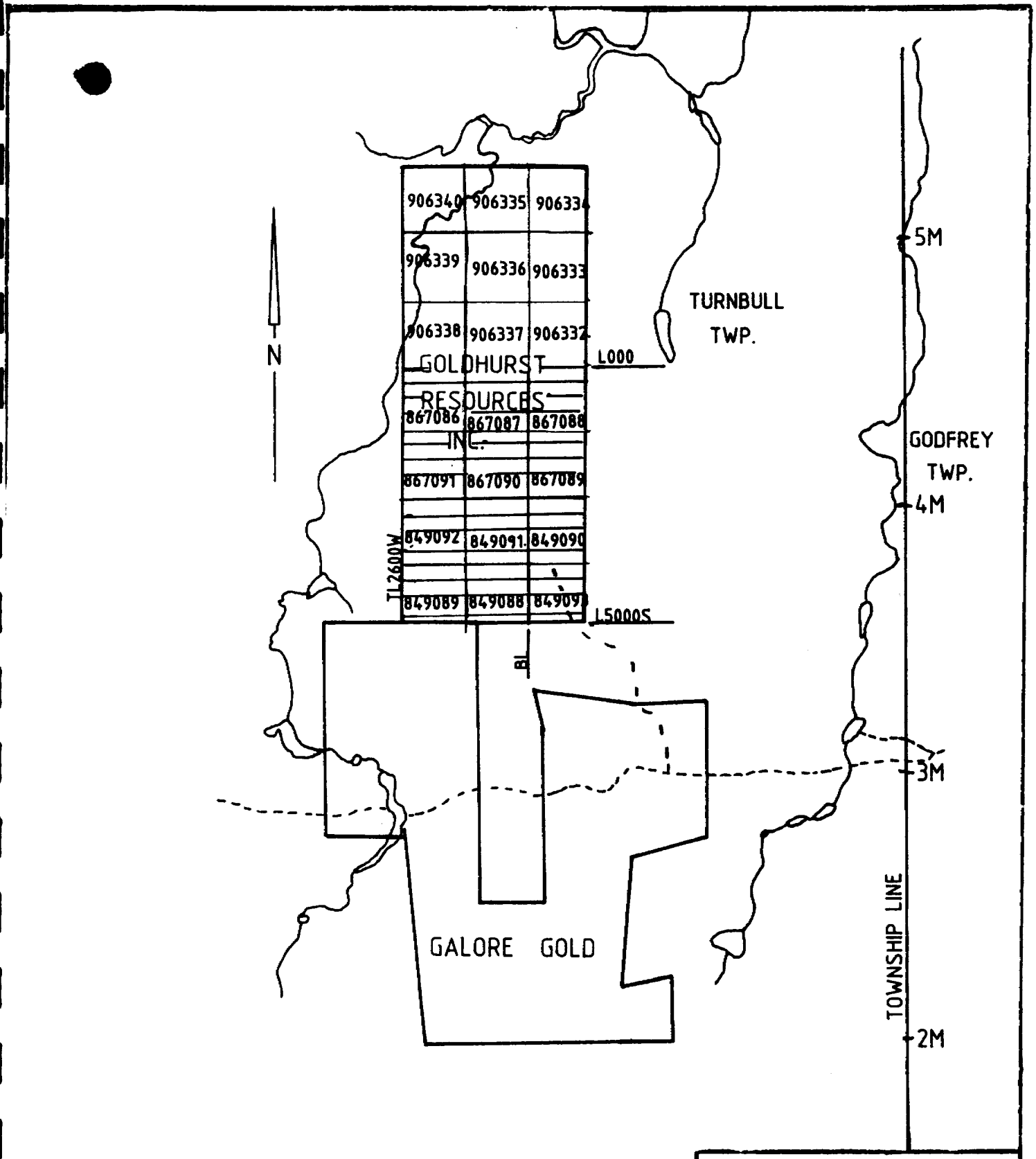
A 20 minute ride, West from the City of Timmins along Highway 101, will bring you to the junction of 101 West and Highway 576 (Kamiskotia Lake Road). Another 20 minute ride Northwest along Highway 576 will bring you to the old Genex Mine road which travels Southwest off of Highway 576.

A six mile skidoo ride along this Genex Road will bring you to the Galore Gold Mine site which is just South of the Southeast corner of Goldhurst's group. A trail for skidooing was cut and flagged to line 4400 South of the survey grid. (refer to Property Location Map).

During the summer months access to the property would be by helicopter to a number of landing sites along 26 Mile Creek.

LINECUTTING PROGRAM

During the month of March 1986 a detailed grid was cut to cover the 12 claim group. A baseline was established 1/4 of a mile West of the East boundary and cut from the North boundary of the group, due South to the Southern boundary.



GOLDHURST RESOURCES INC.

PROPERTY LOCATION MAP

SCALE: 1 inch=1/2 mile

FIG. 3

EXSICS EXPLORATION LIMITED.

Crosslines were turned off and cut at 200 foot intervals from L0+00 to L5000S. All of the crosslines were cut and chained at 100 foot intervals to the East and West boundaries of the group. A tieline was established at 2600W for better grid line control. This tie line was also cut due South from L0+00 to L5000S.

GEOPHYSICAL PROGRAM

This program, completed by Exsics Exploration Limited during the month of April 1986, consisted of a total Field Magnetic Survey and VLF-EM dip and field strength surveys. All of the grid lines were read at 100 foot intervals.

SURVEY PROCEDURE

Magnetic Survey:

The Magnetic survey was completed on 21 miles of grid ines using a Scintrex MP-2 Portable Proton Magnetometer. A total of 1040 readings were recorded. The specifications of the Scintrex mag can be found as Appendix A of this report.

The survey was done by first establishing a number of base magnetic stations. These stations were set up to correct for any variance in the Magnetic Diurnal during the day. These stations were established at the following points:

LOCATION	VALUE IN GAMMAS
L4400S/BL	58944
L2600S/BL	58920
L1000S/BL	58930

The collected data was then plotted on a base map using a scale of 1 inch to 200'. For simplicity in plotting, a background level of 58000 gammas was removed from all the readings. The plotted data was contoured at 10, 25, 50, 100 gamma intervals wherever possible.

This base map can be found in the back pouch of this report.

VLF-EM Survey:

The VLF survey was also completed on 21 miles of grid lines using a Crone VLF-EM (Radem) Receiver.

The survey was completed using a transmitting station of 21.4 khz, Annapolis, Maryland. Both a dip angle measurement and a Field strength measurement were recorded at each station. This field strength data was done to aid in the interpretation of the structure.

After collecting the dip angle data a Low Pass filtering called Fraser Filtering was done. This results in positioning a high positive peak over shallow sources of conductivity and a low positive peak over deeper buried zones.

A total of 2080 readings were recorded over the survey grid and all of the lines were read at 100 foot intervals.

This collected data was then plotted on Base Maps using a scale of 1" to 200'. The dip angle measurements were profiled at 1" to 20 degrees, the Field Strength data was contoured at 10% and the filtered data was contoured at 10 intervals.

All of these base maps can be found in the back pocket of this report.

GENERAL GEOLOGY

The Goldhurst Property is mainly underlain by felsic metavolcanic tuffs, agllomerates and breccias to the Southeast and mafic metavolcanic flows, tuffs and agllomerates to the Northeast section of the block.

The strike of these structures is North-South with a foliation that is generally East-West. A fault zone flanks the Eastern boundary of the block and strikes across the entire length of the property. A diabase dike runs parallel to this fault in the central portion of the group. Some small felsic intrusions also occur in the North-East corner of the claim group.

ECONOMIC GEOLOGY

The eastern section of Turnbull Township has been active in gold exploration since 1910. A fair number of gold occurences are located approximately 1 mile to the Southeast of Goldhurst's property.

These occurences will be discussed seperately below. (refer to Gold Occurences Map, figure 5).

Evans Gold Occurence, 1

A trench 8 feet deep and 20 feet long exposes a quartz porphyry dike cut by quartz stringers mineralized with fine pyrite. A sample was taken by the Provincial Assayer and returned results of 0.07 ounces of gold per ton (2.4 q/t).

Lally Claim, 2

The claim, staked by James Lally in 1909, is reported to have two timbered shafts. The claim is mostly underlain by granites and quartz porphyry.

The Lally vein strikes approximately at 170° and dips to the East at 80°. This vein is traced for 150 feet (45 meters) and pinches and swells from a crack in the host rock to a width of 6 feet (2 meters). Native Gold is reported to occur in this vein.

Bromley Claim, 3

Two small shafts were sunk in granites to mine out a vein reported to contain visible gold.

Hubert Claim, 4

Only the Northwest corner of this claim was mapped. The rock is of andesitic composition including some pillow lavas striking at 040° and facing Southeast. A brecciated zone striking at 030° contains some pyrite across a length of 250 feet (75 meters).

This zone continues off of the claim where some low gold values have been reported.

Evans Showing, 5

Greenstone covers this area which has also been intruded by quartz porphyry dikes.

Finley reports in 1925 that "Gold is said to have been found in quartz veinlets cutting the porphyry."

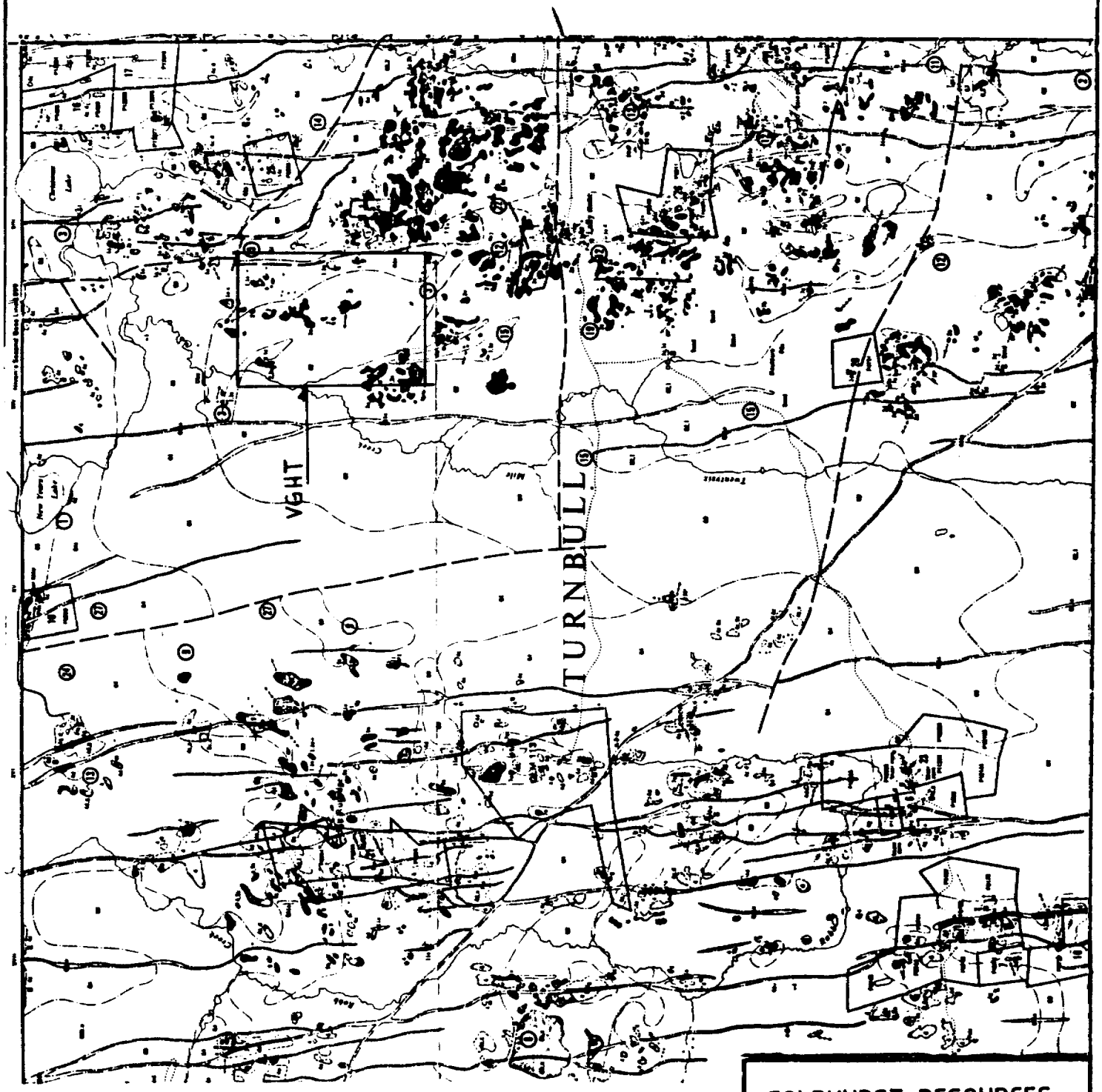
Galore Property, 6

The claim on which the gold showing is located is mainly covered by sand and boulders with very little outcrop exposure. The few outcrops that do occur are of andesitic composition. A 30 foot (9 meter) shaft was sunk. Material on the dump is reported to be sheared, oxidized and disseminated pyrite.

One hundred feet (30 meters) South of this shaft a pit was dug in a quartz vein which is 8 feet (2.4 meters) wide. This vein strikes at 100° and dips vertically. The quartz is largely barren but pockets of calcopyrite occur on the North margin of the vein. Samples from the dump and the quartz vein were taken by the Provincial Assayer. Both samples returned only trace gold.

In April of 1984 Galore Gold Resources Incorporated drilled 5 holes in two parallel Pulse, EM conductors. One of the conductor axis is on the shaft and the second is approximately 30 meters to the East. Both zones are striking North to Northwest. Drill hole #2 intersected a small section of visible gold on the "shaft conductor". Drill hole #5 also intersected a 10 cm wide section containing some visible gold.

This second intersection occurs on the conductor East of the shaft.



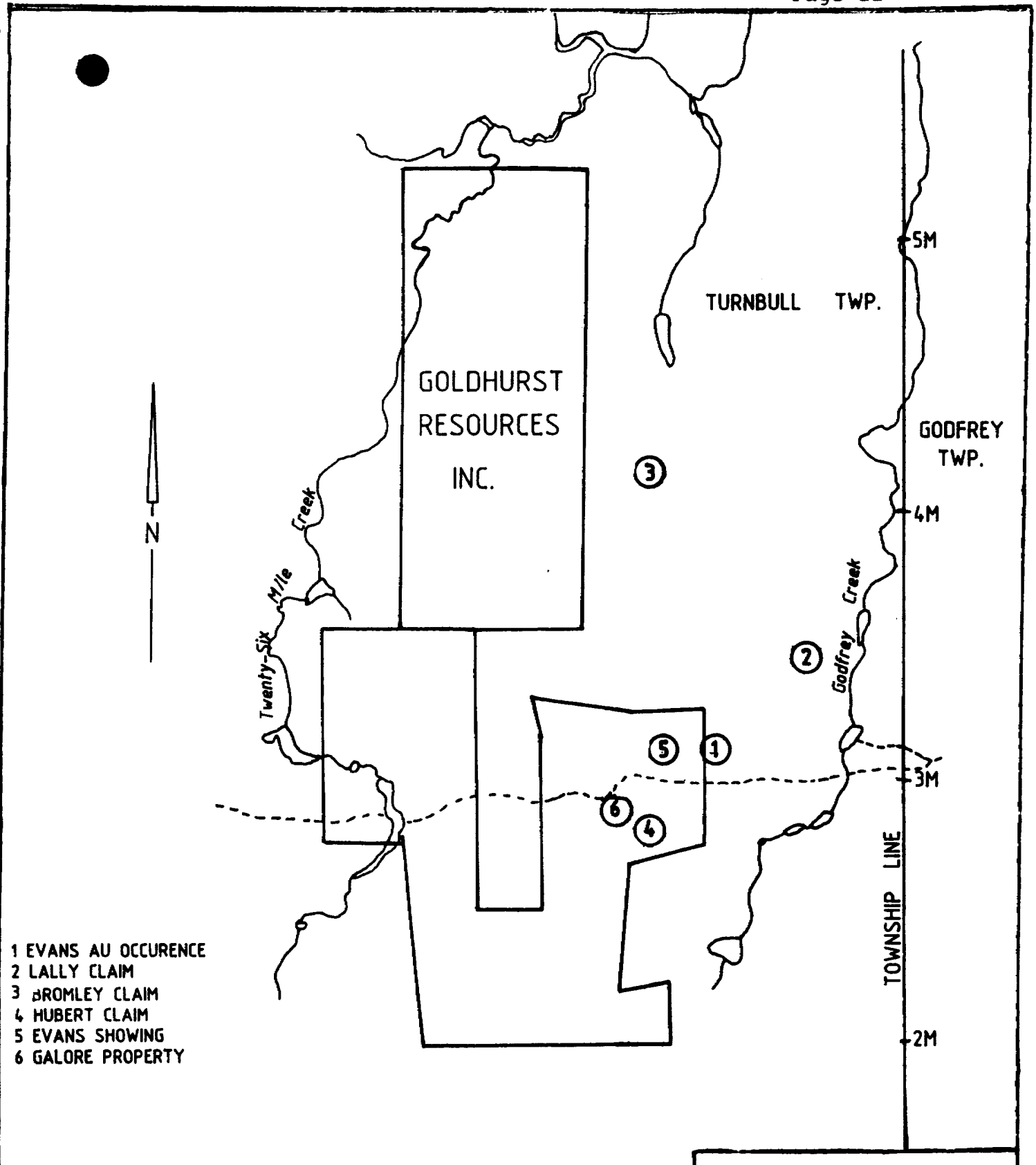
GOLDHURST RESOURCES

GEOLOGY MAP

TURNBULL TOWNSHIP

FIG. 4

EXSICS EXPLORATION LIMITED.



GOLDHURST RESOURCES INC.

GOLD OCCURENCES

SCALE: 1 inch=1/2 mile

FIG.5

EXSICS EXPLORATION LIMITED.

SURVEY RESULTS

The VLF-EM surveys were successful in locating a number of responses. Each of these zones will be discussed separately and in detail below.

Zone A (L400N - L5000S @ 800E)

This VLF zone represents one of the most predominant features of the survey grid and most probably represents a mapped fault zone[1].

The VLF response matches the mapped fault exactly, including the shift in the North-South strike of the fault, evident between lines 2000 and 2200S.

Examination of the field strength data for this section of the survey grid also outlines the fault and a second East-West fault in the vicinity of L2000 and 2200S.

The magnetics also support the fault and its relation to this VLF zone.

Zone B (L400N to L2000S @ 1000W to 700W)

This VLF response appears to represent a legitimate bedrock conductor at depth. The magnetics do not show any direct or definite correlation with the zone; however, there is magnetic signature flanking the zone to the East. A horizontal loop survey was done over this zone and the results show a conductor at a depth of approximately 70 meters (229 feet). The zone has a conductivity value of appeoximately 10 to 30 Mhos which would suggest a good conductor within the search depth of the survey.

Zone B' (L800S to 1200S @ 600W)

This zone also appears to be a legitimate bedrock response at depth. There is a moderate magnetic correlation with the zone. This feature may in fact be associated with Zone B.

The Horizontal loop survey proves the legitimacy of this feature. The results show a conductive zone at a depth of 55 to 75 meters and a conductivity value of 12 - 25 Mhos.

Zone C (L600S to L2400S @ 2200W to 1500W)

This zone may be indicative of a bedrock response but may also relate to a fracture or shear zone.

The magnetics show a good west flanking feature parallelling the entire length of the zone.

The Horizontal loop survey also suggests a thin conductive zone at depth.

The field strength data outlines a well defined structure which may in fact strike Southeast as far as line 3400W, where it then appears to butt up against an Eastwest feature.

Zone D (L3800S to 5000S @ 1900W to 1200W)

This zone represents another and probably the most interesting feature of the survey grid.

The zone has good magnetic correllation with the northern extension but shows an East-West intrusion parallelling Line 4200S. This intrusion also appears to drastically alter the strike of the zone from North-South to NW-SE.

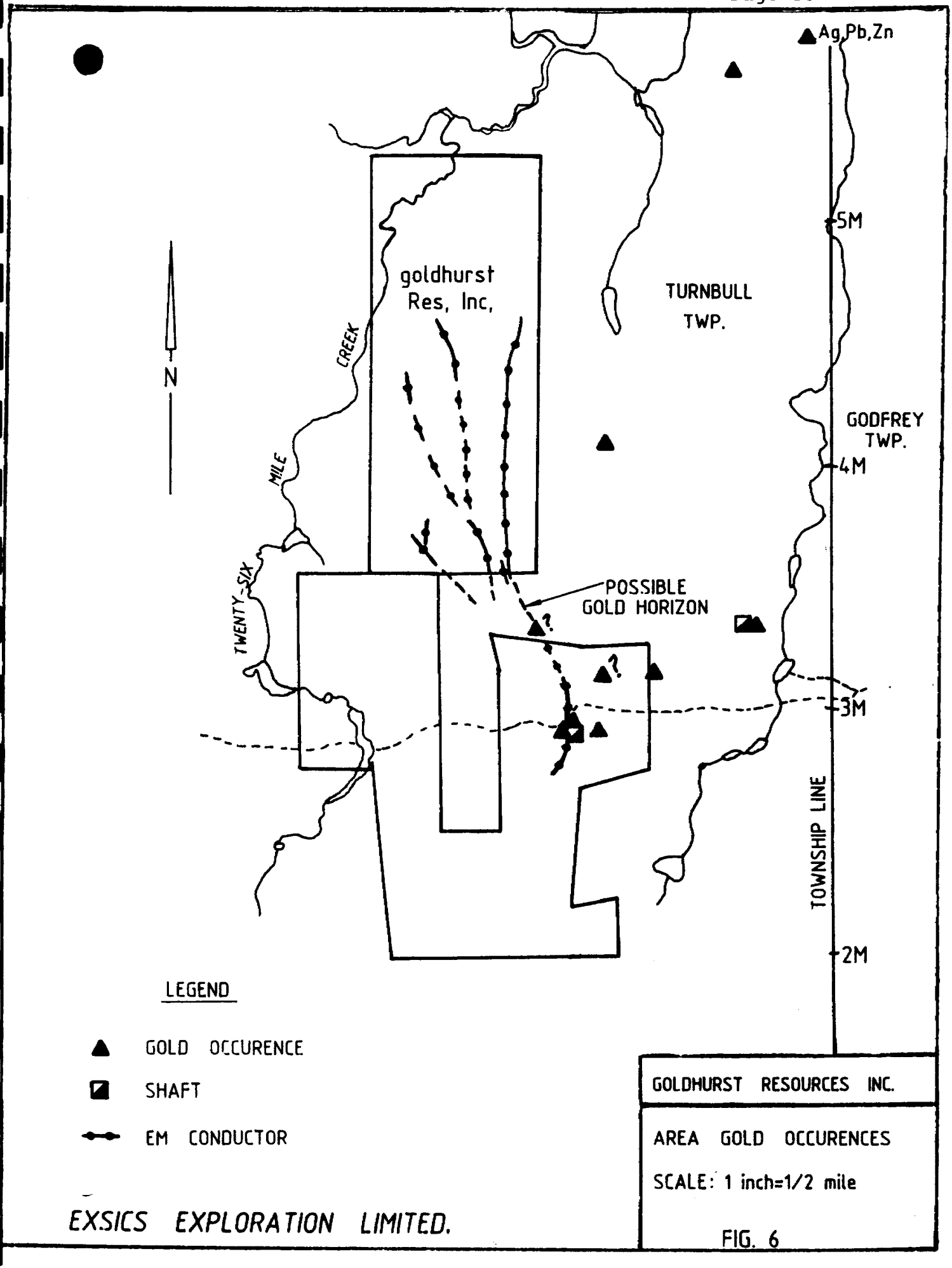
The extreme strike change resulted in establishing a compassed, flagged grid to cross the zone at a better angle.

The results show a good, clean, sharp resonse which continues off of the grid to the Southeast.

The final conductive zone roughly parallels the baseline from L4200S to L5000S at 200W.

This zone may be the south extension of the zone striking Northwest from L3800S to 3200S.

The magnetic feature which seems to be striking West along L4000S may have interrupted the strike direction of the zone.



EXSICS EXPLORATION LIMITED.

GOLDHURST RESOURCES INC.

AREA GOLD OCCURENCES

SCALE: 1 inch=1/2 mile

FIG. 6

RECOMMENDATIONS

There are several conductive zones on the Goldhurst property which most likely relate to legitimate bedrock responses.

Certainly the conductive zones B, C, D and the zone parallelling the baseline from Line 4000S to L5000S should be considered for a follow-up program of both Geology and Geophysics. A Horizontal Loop survey would enhance the importance of each of these zones and provide a much more definite picture.

The abundance of outcrop in the vicinity of the baseline and South section of the grid may provide some explanation of some of the zones. Power stripping and/or trenching may be considered.

CONCLUSIONS

The Goldhurst property represents one of the most interesting properties in the Township. The recent discoveries of the Galore property to the immediate South of Goldhurst would certainly suggest that gold is present in the area.

These results plus the discoveries of the past would certainly upgrade any property which has legitimate bedrock conductors present on it. Not only does this fact apply to the Goldhurst property but using the figure showing the area's gold occurrences and their relation to the strike and position of the Goldhurst's anomalies, definitely suggests that the property may in fact have the potential for a gold deposit.

The anomalies on the Goldhurst property may be North extensions of the Galore zones which have already proven the existence of ore grade gold values.

REFERENCES

Darke, K. H. Drill Hole Location Plan of Galore Gold Resources Incorporated including Au intersections. Turnbull Township, Timmins, Ontario.

Fraser, D. C. 1969 Contouring of VLF-EM data, Geophysics, Volume 34, Number 6 (December, 1969). P 958 - 967.

Holbrooke, G. L. Report on: Craibbe - Fletcher Gold Mines Limited. Timmins, Ontario

Middelton, R. S. Magnetic, Petrochemical and Geological Survey of Turnbull and Godfrey Townships. NTS 42 A/W. Cochrane District, Ontario. O.D.M. OPEN FILE REPORT 5118.

CERTIFICATE

I, John C. Grant, hereby certify that:

1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years), North Bay Office, and as exploration manager and Geophysicist for Exsics Exploration Limited, from 1980 to the present.

2) I am a Member of the Certified Engineering Technologist Association since 1984.

3) I am an Associate Member of the Geological Association of Canada.

4) I have been actively engaged in my profession for the last eleven (11) years, including all aspects of exploration studies, surveys and interpretations.

5) I have no specific or special interest in the described property. I have been retained as a Consulting Geophysicist for property appraisal.

John Charles Grant, CET,AFGAC,
Consulting Geophisicist
Exsics Exploration Limited.

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

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) VLF, Magnetic, HEM

Township or Area Turnbull Township

Claim Holder(s) Goldhurst Resources Incorporated
Mississauga, Ontario

Survey Company Exsics Exploration Limited

Author of Report John C. Grant

Address of Author P.O. Box 1880, Timmins, Ontario

Covering Dates of Survey March - May 1986
(linecutting to office)

Total Miles of Line Cut 21 miles

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	20
–Magnetometer	40
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: May 30/86 SIGNATURE: J. C. Grant
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

P 867086
867087
867088
867089
867090
867091
849088
849089
849090
849091
849092
849093

TOTAL CLAIMS 12

If space insufficient, attach list

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations MAG 1040 / VLF 1040 — Number of Readings MAG 1040 / VLF 2080

Station interval 100' — Line spacing 200'

Profile scale 1"=20'

Contour interval 10, 25, 50, 100 Gammas

MAGNETIC

Instrument Scintrex MP-2 Proton Magnometer

Accuracy – Scale constant ±1 gamma

Diurnal correction method Various Base Stations

Base Station check-in interval (hours) 3 hours

Base Station location and value L4400S/BL (58944), L2600S/BL (58920), L1000S/BL(5893(

ELECTROMAGNETIC

Instrument Crone VLF-EM Radem Receiver

Coil configuration Two coils at right angles in instrument

Coil separation Infinite

Accuracy ±1 degree

Method: ☒ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency Annapolis, Maryland 21.4 Khz (specify V.L.F. station)

Parameters measured In phase Dip Angles, one field strength

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

APPENDIX A

TECHNICAL DESCRIPTION OF MP-2 MAGNETOMETER

SCINTREX

RESOLUTION	1 Gamma.
TOTAL FIELD ACCURACY	± 1 Gamma over full operating range.
RANGE	20,000 to 100,000 gammas in 25 overlapping steps.
INTERNAL MEASURING PROGRAMME	Single reading — 3.7 seconds. Recyc. feature permits automatic repetitive readings 3.7 seconds intervals.
EXTERNAL TRIGGER	External trigger input permits use of sampling intervals longer than 3.7 seconds.
DISPLAY	5 digit LED (Light Emitting Diode) readout displaying total magnetic field in gammas or normalized battery voltage.
RECORDER OUTPUT (Optional)	Multiplied precession frequency and gate time outputs for interfacing with incremental tape recorders (eg. Increlogger) for digital recording. As an additional option a digital to analogue convertor is available for use with analogue recorders.
GRADIENT TOLERANCE	Up to 5000 gammas/metre.
POWER SOURCE	8 alkaline "D" cells provice up to 25,000 readings at 25° C under reasonable signal/noise conditions (less at lower temperatures). Premium carbon-zinc cells provide about 40% of this number.
SENSOR	Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance.
HARNESS	Complete for operation with staff or back pack sensor.
OPERATING TEMPERATURE TANGE	−35°C to +60°C.
SIZE	Console, with batteries: 80 x 160 x 250mm. Sensor: 80 x 150mm. Staff: 30 x 1550mm. (extended) 30 x 600 mm. (collapsed)
WEIGHTS	Console, with batteries: 1.8kg. Sensor: 1.3kg. Staff: 0.6kg.

SCINTREX LIMITED
222 Snidercroft Road,
Concord, Ontario, Canada L4K 1B5
TELEPHONE (416) 669-2280, TELEX 06-964570

SCINTREX

earth science division

Proton Precession Magnetometer for Portable or Base Station Use

MP-2

features

- *1 gamma sensitivity and accuracy over range of 20,000 to 100,000 gammas.*
- *Operates in very high gradients, to 5000 gammas per metre.*
- *Ultra small size and weight.*
- *Up to 25,000 readings from only 8 D cells.*
- *Battery pack isolated from electronics for corrosion protection.*
- *Battery pack easily extended for winter use.*
- *Light-emitting diode digital display, with complete test feature.*
- *Unique no-glare polarized reflector permits easy reading in bright sunlight.*
- *Indicator light warning of excessive gradient, ambient noise or electronic failure.*
- *Digital readout of battery voltage.*
- *Rugged all metal housing for rough field use at all temperatures.*
- *Automatic recycling or external trigger features permit ready conversion to base station use.*
- *Short reading time.*
- *Broad operating temperature range.*

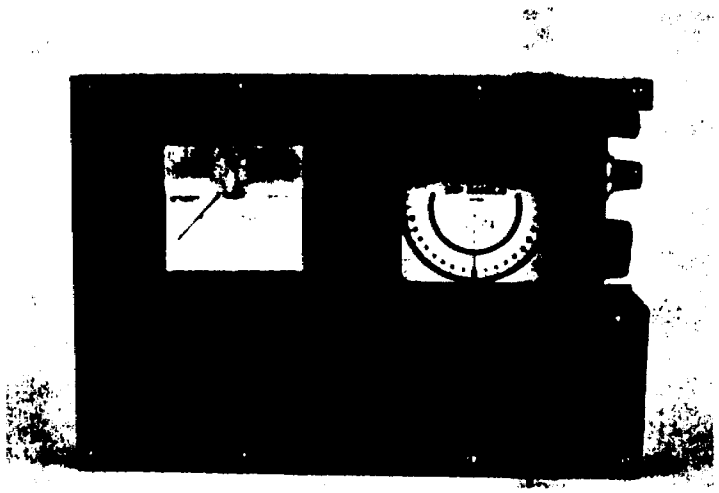
The MP-2 is a portable one gamma proton precession magnetometer for field survey or base station use. The optimized design of sensor and circuitry using the latest CMOS components has resulted in a very light weight, low power consumption, rugged and reliable magnetometer.

Light emitting diodes coupled with an ingenious optically polarized reflector combine solid state reliability with easy reading even in bright sunlight.

A standard automatic recycling feature allows ready use of the MP-2, with suitable (optional) interfacing, as a base station recorder in analogue or ditigal form. Alternatively, a remote trigger can be used.

The noise-cancelling dual-coil sensor and electronics have been so designed as to effectively eliminate reading problems due to virtually all magnetic gradients which may be encountered in field survey conditions.

CRONE GEOPHYSICS LIMITED
RADEM VLF EM RECEIVER



An EM receiver measuring the FIELD STRENGTH, DIP ANGLE and QUADRATURE components of the VI communications stations.

This is a rugged, simple to operate, ONE MAN EM unit. It can be used without line cutting and is thus ideally suited for GROUND LOCATION OF AIRBORNE CONDUCTORS and RECONNAISANCE SURVEYS of MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting poorly conductive sulphide deposits and fault zones. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH POWERLINE NOISE The method is capable of deep penetration but due to the high frequency used its penetration is limited in areas of clay and conductive overburden.

The DIP ANGLE measurement detects a conductor from a considerable distance and is used primarily for locating conducto The FIELD STRENGTH measurement is used to define the shape and attitude of the conductor.

- Instrument Sales, Rental and Repair Services
- Contract Survey Services
- Consulting Services
- Computer Plotting and Processing Services

HEAD OFFICE: 3607 Wolfedale Rd.
MISSISSAUGA, Ontario
CANADA L5C 1V8
PHONE: (416) 270-0096
TELEX: 06-961260

SPECIFICATIONS*

SOURCE OF PRIMARY FIELD: VLF Communications Stations 1 to 25 KHz

NUMBER OF STATIONS: 7 Switch Selectable

STATIONS AVAILABLE: The Seven Stations May Be Selected From:

	CODE	STATION & LOCATION	CALL SIGN	FREQUENCY
Standard	CM	Cutler, Maine	NAA	24.0 KHz
"	SW	Seattle, Washington	NLK	24.8 KHz
"	AM	Annapolis, Maryland	NSS	21.4 KHz
"	H	Laulualei, Hawaii	NPM	23.4 KHz
"	BOF	Bordeaux, Frace	NWU	15.1 KHz
"	E	Rugby, England	GBR	16.0 KHz
Optional	MS	Moscow, Russia	UMS	17.1 KHz
"	OD	Odessa (Black Sea)	EWB	15.6 KHz
"	NC	Exmouth, Australia	NWC	22.3 KHz
"	HN	Helgelend, Norway	JXZ	17.6 KHz
"	YJ	Yosamai, Japan	NDT	17.4 KHz
"	TJ	Tokyo, Japan	JG2AR	20.0 KHz
"	BA	Buenos Aires, Argentina		23.6 KHz

CHECK THAT STATION IS TRANSMITTING: Audible signal from speaker.

PARAMETERS MEASURED:

(1) DIP ANGLE in degrees of the magnetic field component, from the horizontal, of the major axis of the polarization ellipse. Detected by a minimum on the field strength meter and read from an inclinometer with a range of ±½°.

(2) FIELD STRENGTH (total or horizontal) of the magnetic component of the VLF field, (amplitude of the major axis of the polarization ellipse). Measured as a percent of normal field strength established at a base station. Accuracy ±2% dependent on signal. Meter has two ranges: 0-300% and 0-600%.

(3) QUADRATURE component of the magnetic field, perpendicular in direction to the resultant field, as a percent of the normal field strength, (amplitude of the minor axis of the polarization ellipse). This is the minimum reading of the Field Strength meter obtained when measuring the dip angle. Accuracy ±2%.

OPERATING TEMPERATURE RANGE: −40°C to 50°C (−40°F to 120°F)

DIMENSIONS: 9 cm x 19 cm x 27 cm (3½" x 7½" x 10½")

SHIPPING DIMENSIONS: 30 cm x 14 cm x 36 cm (11⅞" x 5½" x 14")

WEIGHT: 2.7 kg (6 lbs)

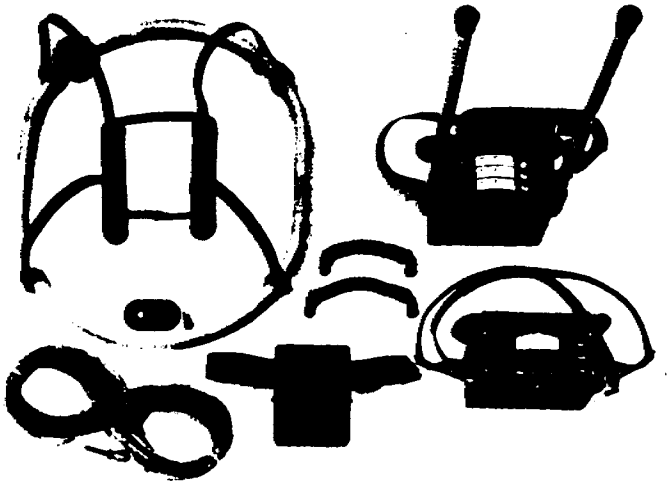
SHIPPING WEIGHT: 6.0 kg (13 lbs)

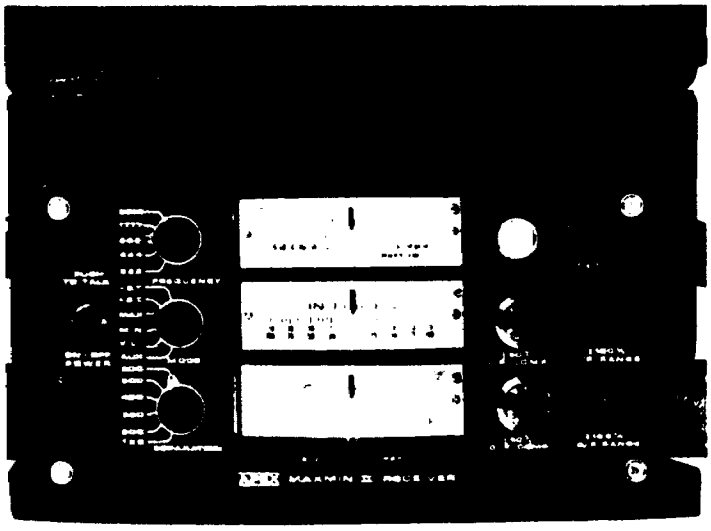
BATTERIES: 2 of 9 volt
Average Life Expectancy
20 Hours for Continuous Operation

Specifications subject to change without notice

APEX MAXMIN II PORTABLE EM

- Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- Maximum coupled (horizontal-loop) operation with reference cable.
- Minimum coupled operation with reference cable.
- Vertical-loop operation without reference cable.
- Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- Reliable data from depths of up to 180 m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.





SPECIFICATIONS

Frequencies: 222, 444, 888, 1777 and 3555 Hz.

Modes:

MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.

MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.

V.L. : Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

Coil Separations: 25, 50, 100, 150, 200 & 250 m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIIF).
Coil separations in V.L. mode not restricted to fixed values.

Parameters Read:
- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in V.L. mode.

Readouts:
- Automatic, direct readout on 90 mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90 mm edgewise meters in V.L. mode.

Scale Ranges:

In-Phase:	±20%, ±100% by push-button switch.
Quadrature:	±20%, ±100% by push-button switch.
Tilt:	±75% slope.
Null (V.L.):	Sensitivity adjustable by separation switch.

Resolution: In-Phase and Quadrature: 0.25% to 0.5%; Tilt: 1%.

Accuracy: ±0.25% to ±1% normally, depending on conditions, frequencies and coil separation used.

- 222 Hz : 220 Atm²
- 444 Hz : 200 Atm²
- 888 Hz : 120 Atm²
- 1777 Hz : 60 Atm²
- 3555 Hz : 30 Atm²

Power: 9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.

Optional Power: 12V 6 Ah Gel-type rechargeable battery. (Charger supplied).

Reference Cable: Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Communications: Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

Signal Strength Lights: Built-in signal and reference warning lights to indicate erroneous readings.

Operating Temperature: -40°C to +60°C (-40°F to +140°F).

Net Weight: 6kg (13 lbs.)

Shipping Weight: 13kg (29 lbs.)

Shipping Weight: Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification

APEX PARAMETRICS LIMITED
200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612 Cables: APEXPARA TORONTO Telex: 06-966773 NORDMK TOR

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#166

W8606.00166

The Mini

42A12SE0502 2.9148 TURNBULL

900

Type of Survey(s)	Township or Area
VLF, Magnetic, HEM	Turnbull Township

Claim Holder(s)	Prospector's Licence No.
Goldhurst Resources Limited	T-4614

Address: 1963 Dean Home Road, Mississauga, Ontario L5J 2K6

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Exsics Exploration Limited	4 Day 4 Mo. 86 Yr. — 2 Day 5 Mo. 86 Yr.	21

Name and Address of Author (of Geo-Technical report): J. C. Grant, Exsics Exploration, P.O. Box 1880, Timmins P4N 7X1

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	20
	Geophysical - Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = 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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	867086				
	867087				
	867088				
	867089				
	867090				
	867091				
	849088				
	849089				
	849090				
	849091				
	849092				
	849093				

RECEIVED JUN - 2 1986

RECEIVED JUN 11 1986 MINING LANDS SECTION

RECORDED JUN - 2 1986

Total number of mining claims covered by this report of work: 12

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
120	June 2/86	
	Date Approved as Recorded: 86.6.16	Branch Director

Date: May 29/86 Recorded Holder or Agent (Signature)

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: J. C. Grant Box 1880 Timmins Ont.

Date Certified: May 30/86 Certified by (Signature)

June 6, 1986 File: 2.9148

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We received reports and maps on June 2, 1986 for a Geophysical (Magnetometer and Electromagnetic) Surveys submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 867086, et al, in the Township of Turnbull.

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

We do not have a copy of the report of work which is normally filed with your office prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

AB/mc
cc: Goldhurst Resources Limited
1963 Dean Home Road
Mississauga, Ontario
L5J 2K6

J.C. Grant
Box 1880
Timmins, Ontario
P4N 7X1

Mining Lands Section

File No 2.9148

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

D. Hurst

Signature of Assessor

June 16/84

Date

Copy

m EM

2.9.48

867086	+	−												
87	+	−												
88	+	−												
89	+	−												
90	+	−												
91	+	−												
849088	+	−												
89	+	−												
90	+	−												
91	+	−												
92	+	−												
93	+	−												

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

PORCUPINE MINING DIVISION
RECEIVED
MAY 27 1985

NOTES

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS.

Robb Tp.

17M. BASE LINE 16M. surveyed in 1908 15M. by O.L.S. A. NIVEN 14M. 13M.

5M. 4M. 3M. 2M. 1M.

Mt. Rutledge

Christmas Creek

Wilson Creek

Godfrey Creek

1st MERIDIAN PB32367

Massey Tp.

Godfrey Tp.

29 M. 28M. BASE LINE 27 M. surveyed in 1899 by 26M. O.L.S. A. NIVEN 25M.

Carscallen Tp.

K. Kolomoy

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	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 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

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 2000
(1 KM) (2 KM)

TOWNSHIP

TURNBULL

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

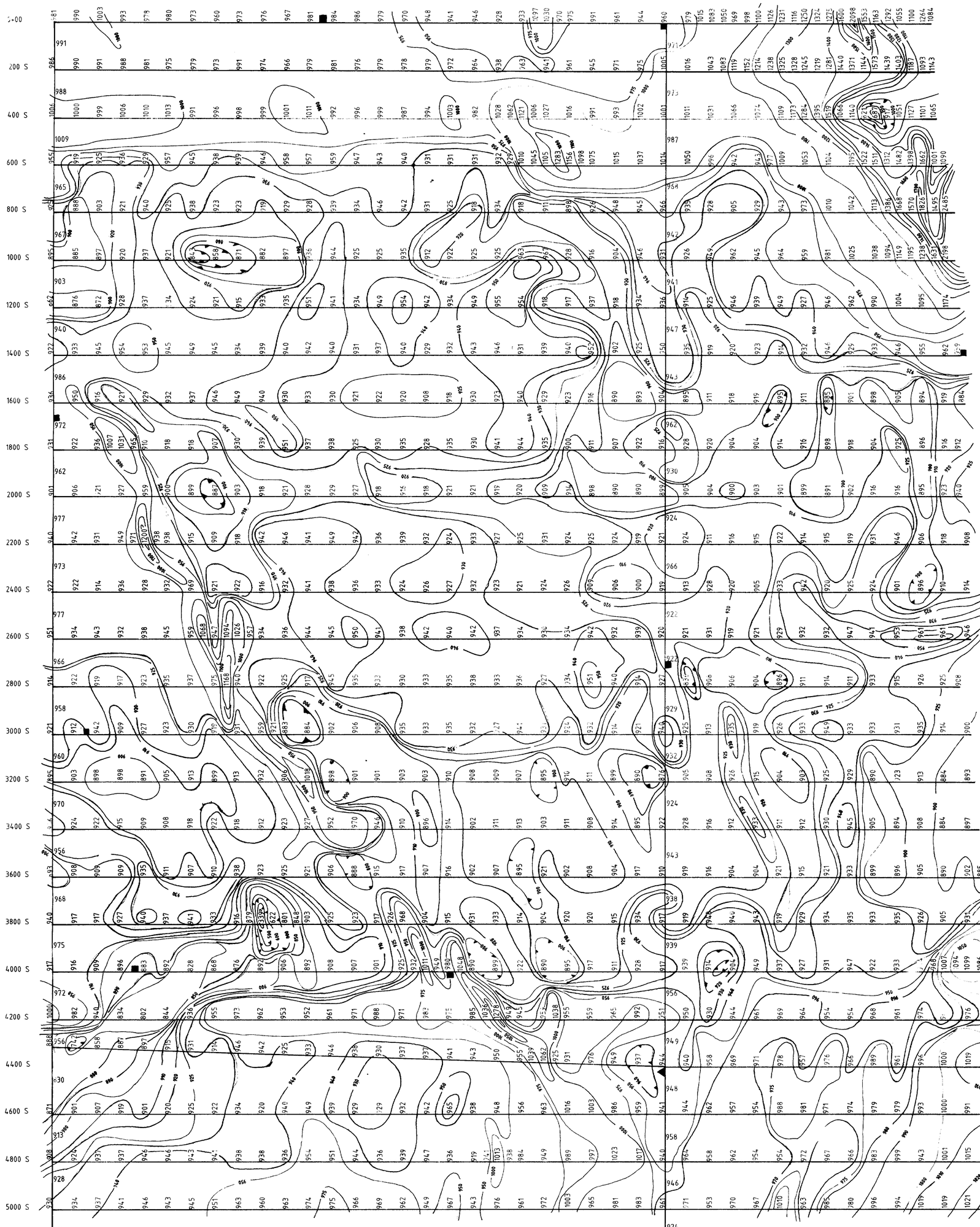
Ontario Ministry of Natural Resources — Land Management Branch

Date MARCH, 1985

Drafted ✓

KMW April 9, 1985

Number G-3250



N

Twenty Six Mile Creek

867086	867087	867088
867091	867090	867089
849092	849091	849090
849089	849088	849093

LOCATION MAP
Scale: 1inch=1/2mile

LEGEND

Total Magnetic Field: 58000 gammas
Contour Intervals: 10,25,50,100 gammas
Depression:
Base Station: ▲
Instrument: MP-2 Scintrex
Operator: Exsics Exploration Ltd.

KEY

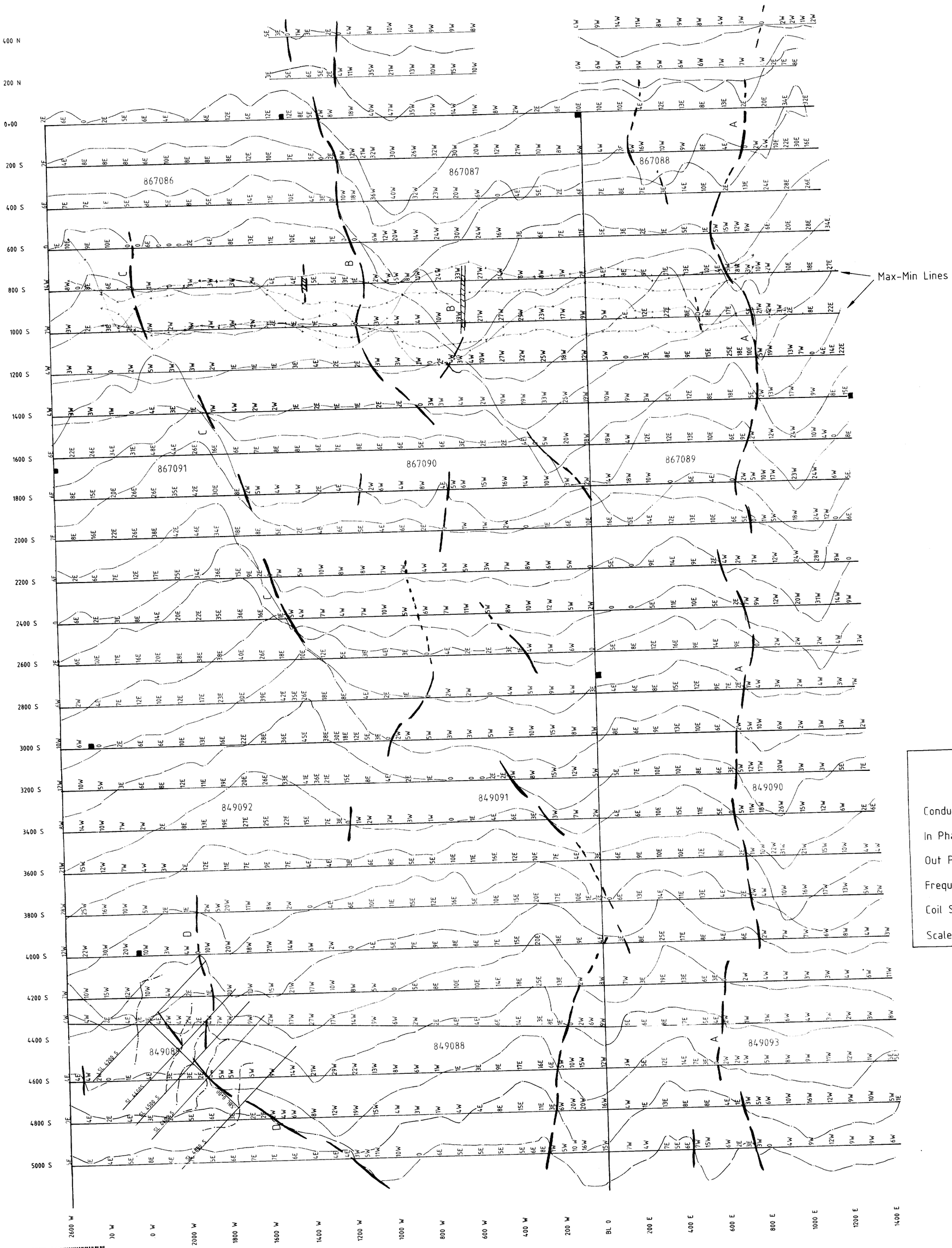
Claim Number: 849092
Claim Post: ■

Client: GOLDHURST RESOURCES Inc.
Grid: Turnbull Township
Survey: Magnetometer

Date: March 1986	Plotting: W.Pearson
Scale: 1"=200'	Interpretation: J.Grant

EXSICS EXPLORATION LIMITED
(705) 267-4151

2.9148



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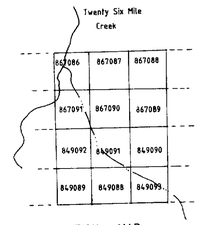

LOCATION MAP
SCALE: 1inch= 1/2mile

Max-Min Legend

Conducor Axis:

In Phase: x——x——x

Out Phase: x——x——x

Frequency: 1777 Hz.

Coil Seperation: 490 feet

Scale: 1 inch= 20%

LEGEND

Conductor Axis:

True Conductor: 4E 2E 0 2W 4W

Dip Angle Measurment:

VLF Tx Station: Annapolis Maryland
Frequency: 21.4 kHz
Instrument: Crone VLF Radem

Operator: Exsics Exploration Ltd.

KEY

Claim Post: ■

Claim Number: 849092

Client: GOLDHURST RESOURCES Inc.

Grid: Turnbull Township

Survey: VLF Dip Angle

Date: March 1986	Plotting: W.Pearson
Scale: 1"=200' 1"=20°	Interpretation: J.Grant

EXSICS EXPLORATION LIMITED
(705) 267-4151

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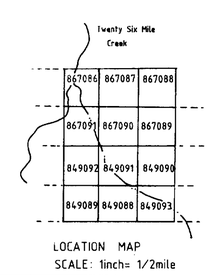


LOCATION MAP
SCALE: 1inch= 1/2mile

LEGEND

VLF Fraser Filter: —— 10 ——

Contour Interval: 10

Tx. Station: Annapolis Maryland

Frequency: 21.4 kHz

Instrument: Crone VLF Radem

Operator: Exsics Exploration Ltd.

KEY

Claim Post:

Claim Number: 849092

Client: GOLDHURST RESOURCES Inc.

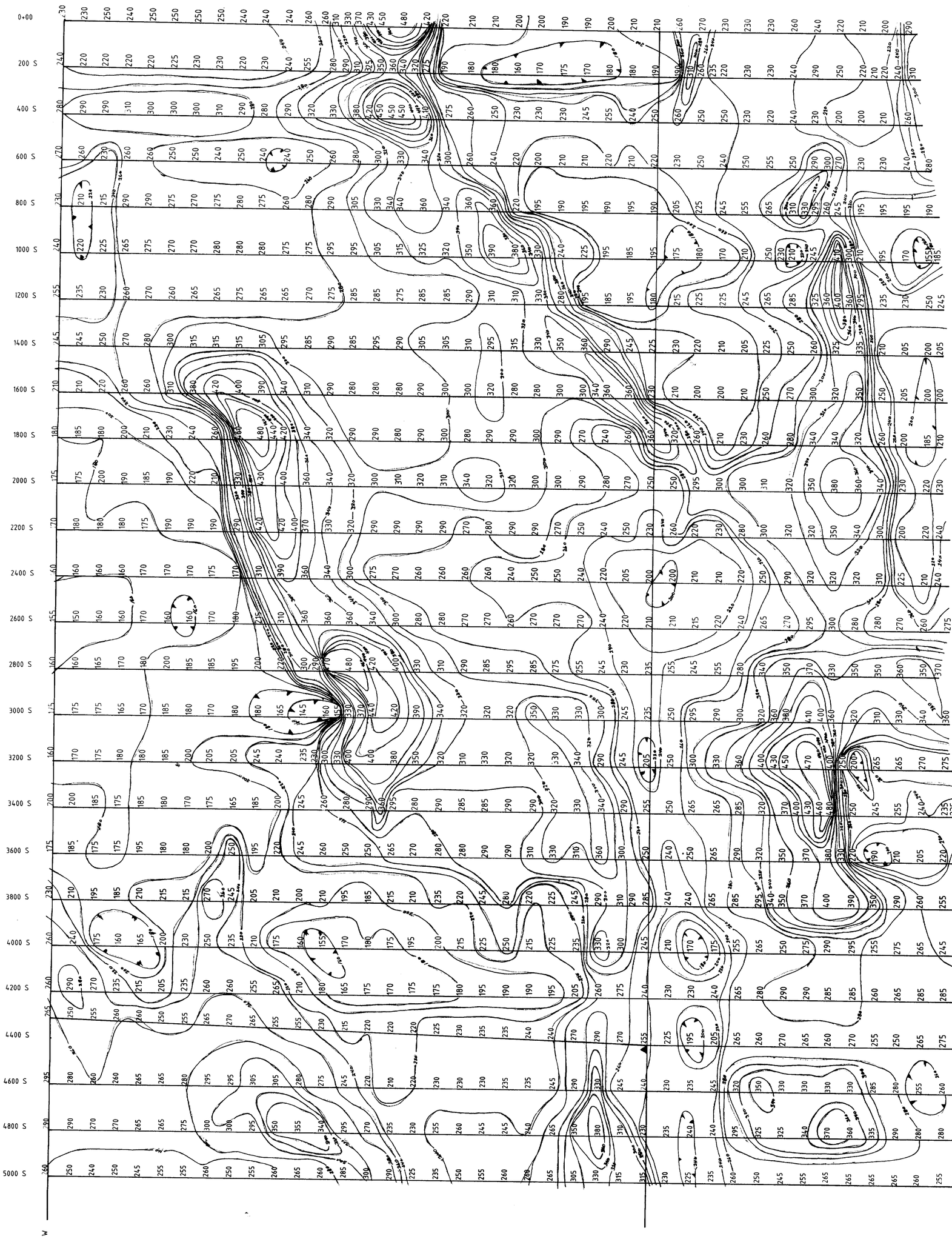
Grid: Turnbul Township

Survey: VLF Fraser Filter

Date: March 1986	Plotting: W.Pearson
Scale: 1"=200'	Interpretation: J.Grant

EXSICS EXPLORATION LIMITED
(705) 267-4151

2.9148



N

Twenty Six Mile Creek

867086	867087	867088
867091	867090	867089
849092	849091	849090
849089	849088	849093

LOCATION MAP
SCALE: 1inch= 1/2mile

LEGEND

VLF Field Strength: ___ 240 ___
Contour Interval: 10%
Base Station Location: ▲
Depression:

Transmitter Station: Annapolis Maryland
Frequency: 21.4 kHz
Instrument: Crone VLF Radem
Operator: Exsics Exploration Ltd.

KEY

Claim Number: 849092
Claim Post: ■

Client: GOLDHURST RESOURCES Inc.
Grid: Turnbull Township
Survey: VLF Field Strength

Date: March 1986	Plotting: W.Pearson
Scale: 1"=200'	Interpretation: J.Grant

EXSICS EXPLORATION LIMITED
(705) 267-4151

2.9148