GEOPHYSICAL REPORT
FOR
MR. JOHN ROY
ON THE
PARTRIDGE RIVER PROJECT
MOOSEONEE DISTRICT
NORTHEASTERN, ONTARIO

Prepared by: J.C.Grant, CET, FGAC
January, 1998

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INTRODUCTION:

The services of Exsics Exploration Limited were retained by Mr. Todd Keast on behalf of Mr. John Roy to complete a geophysical program across several airborne targets situated on claims held by Mr. John Roy in the Partridge River area of the Mooseonee District.

The survey equipment used was a low powered Pulse Electromagnetic system, (PEM), manufactured by Crone Geophyisics of Toronto, Ontario. The equipment is a moving coil system that is primarily used with a horizontal loop configuration. The transmitter consists of a transmit loop 15 meters in diameter that is laid out horizontally on the ground. The loop is energized by a pulse of current of approximately 20 amperes obtained from a 12 volt battery pack. The current is turned off by a special ramp circuit. The on-off time is 10.8 milliseconds,(ms).

The receiver coil is generally situated 50, 100 or 150 meters from the transmit loop where the signal on the receiver coil is sampled, averaged and then stored during the reading interval. One sample is taken of the promary pulse and eight samples are taken of the secondary field during the off time. Time synchronization is by radio link or cable link and the reading point is midway between the transmitter and the receiver. Both coils are moved along the survey line together at a fixed seperation.

ADVANTAGES OF THE PEM SYSTEM:

There are a number of advantages obtained with this system over conventional systems.

1) The depth of penetration of the PEM system is greater than conventional systems, up to .8 times the coil seperation.
2) The wide frequency spectrum of information obtained with the PEM system permits a more accurate analysis of the conductors within the earth.
3) With the PEM system, the secondary field from a conductor is measured directly rather than a distortion of a primary field. Simple field procedures can be used to directly determine the strike and dip of the conductive body.
4) The pulse method is free of the geometrical restrictions between the transmit and receiver coil positions. This means that accurate surveys can be obtained in rugged and heavily timbered terrain.

Specifications for the Crone PEM system can be found as Appendix A of this report.

SURVEY PROCEDURE:

The following parameters were kept constant throughout this survey.

Line spacing.....300 meters
Station spacing.....25 meters
Reading interval.....25 meters
Coil seperation.....150 meters
Theoretical search depth..75 to 120 meters
Side seeking range.....75 meters,either side of survey line.
Sample time .....10 milliseconds
Synchronization.....radio link
Primary pulse.....500

PERSONNEL:

The crew consisted of four men, two to layout the transmit loop, one to control the transmitter and on to operate the receiver. The survey was completed over two compass paced grid lines labelled 0+00 and 300ME.

The name of the crew members are as follows:

J.C.Grant.....Timmins, Ontario
Y.L. Collin.....Timmins, Ontario
Norm Collins, ...Timmins, Ontario
Paul Otis.....Timmins, Ontario.

The program was completed under the direct supervision of J.C.Grant and all of the plotting and compilation was completed by P. Gauthier of Exsics.

SURVEY RESULTS:

The following are the results of the ground program. Line 0+00 did not return any significant results and it was thought that the location of the conductors may in fact be about 250 to 300 meters east of the line. Line 0+00 was read from 1000MS to the base line.

The next line was set up 300 meters to the east and was read from the baseline to 950 meters south. This survey was successfull in locating at least four conductive zones on this line. They have been labelled zones A,B,C and D. The zones appear to be dipping slightly south to near vertical with zones A,B and C being interpreted to be at a depth of 45 to 75 meters and with a conductivity of 13 to 23 mhos.

Conductive zone D appears to be situated at a depth of 105 meters and with a conductivity of 25 mhos.

The profile of the line suggest that the zones may represent several sulphide rich lenses, relatively close together, within a more predominant system.

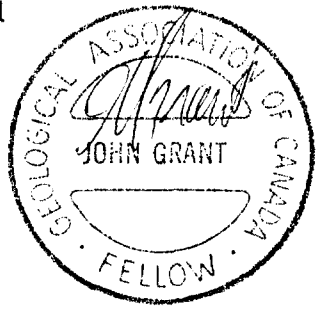
CONCLUSIONS AND RECOMMENDATIONS:

The survey results of at least line 300ME suggest that there is a conductive system in the underlying geology composed of what seems to be several sulphide rich lenses. All of the zones except zone D are well within the search depth capabilities of the survey and all of the zones are well defined by the frequency range of the unit. The lower channel responses would also suggest that the zones are legitimate bedrock conductors, albeit somewhat narrow.

A follow up drill hole through the conductive zones from the south to north along line 300ME would test all of the main target areas. There is abundant outcroppings in the area and should the results of the geological and or geochemical survey return encouraging results then the drill hole would be warranted.

Respectfully submitted

J.C.Grant, CET, FGAC
January, 1998



CERTIFICATE

I, John C. Grant, hereby certify that:

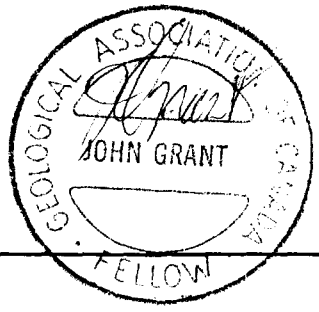
1) I am a graduate technologist, (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years), North Bay office and currently as Exploration Manager and Geophysicist for Exsics Exploration Limited since 1980.

2) I am a member in good standing of the Certified Engineering Technologist Association,(CET), since 1984

3) I am a Fellow of the Geological Association of Canada, (FGAC), since 1986.

4) I have been actively engaged in my profession since May of 1975, including all aspects of exploration studies, surveys and interpretation.

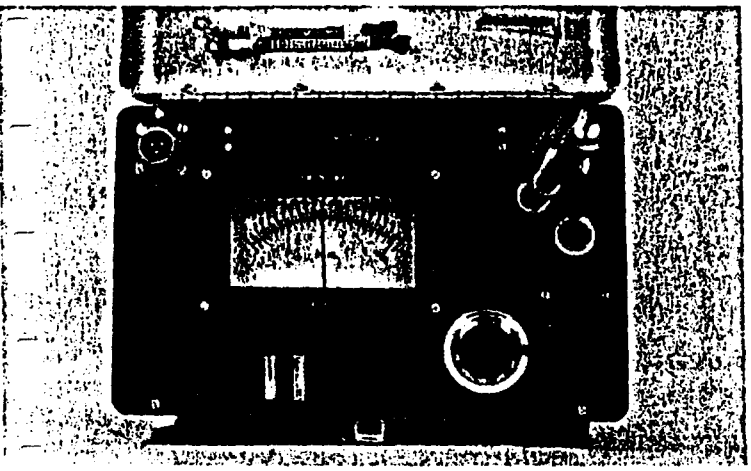
5) I have no specific or special interest in the described property. I have been retained as a Consulting Geophysicist by the Property holders.

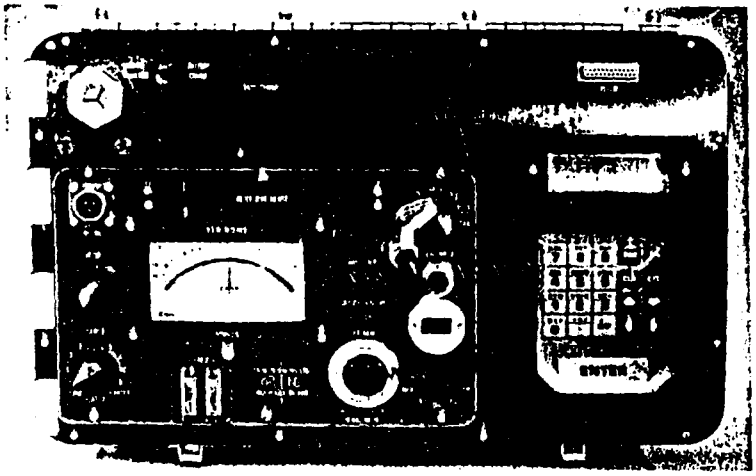


John Charles Grant, CET, FGAC.

APPENDIX A

CRONE GEOPHYSICS LIMITED
PEM RECEIVER





Proven Reliability & Flexibility

- In use since 1973.
- Compatible with surface and borehole systems.
- Can be used in a fixed or moving source operating mode.
- Discriminates targets in areas of surficial conductivity.
- Operates under adverse environmental conditions (desert, arctic, jungle).

Optional Datalogger Receiver

- A/D convertor for digital storage
- Memory capacity for 140 stations DEEPEM or 280 readings Borehole
- LCD good to −50°C
- Filtered readings in areas of spheric and powerline noise

- 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*

1. STANDARD RECEIVER

BATTERY SUPPLY:

±12 VDC, two internal, rechargeable, 12V gel type batteries

MEASURED QUANTITIES:

Primary shut-off voltage pulse (PP). Time derivative of the transient magnetic field by integrative sampling over eight, contiguous time gates (microseconds).

CH. NO.	WINDOW	WIDTH	MID PT.	REL. GAIN	WINDOW	WIDTH	MID PT.
PP	-100 to 0	100	-50	1.00	-200 to 0	200	-100
1	100 to 200	100	150	1.00	200 to 400	200	300
2	200 to 400	200	300	1.39	400 to 800	400	600
3	400 to 700	300	550	1.93	800 to 1400	600	1100
4	700 to 1100	400	900	2.68	1400 to 2200	800	1800
5	1100 to 1800	700	1450	3.73	2200 to 3600	1400	2900
6	1800 to 3000	1200	2400	5.18	3600 to 6000	2400	4800
7	3000 to 5000	2000	4000	7.20	6000 to 10K	4000	8000
8	5000 to 7800	2800	6400	10.00	10K to 15.6K	5600	12.8K
	10.8ms. Time Base				21.6ms. Time Base		

READOUT:

Readings are output on an analog meter (6V FSD), over three sensitivity ranges (X1, X10, X100). Data retrieval made by channel select switch.

TIMING:

A telemetry link ("sync.") is maintained by radio signal, or a back-up cable, between the transmitter and the receiver, and is meter monitored.

SENSITIVITY:

Adjustable through a ten turn, calibrated gain pot.

SAMPLING MODES:

"S & H" (Sample & Hold)

The receiver averages 512 (10.8 ms), or 256 (21.6ms), readings for all channels, and stores the results for display.

"CONT" (Continuous)

A running average for all channels is stored, enabling the operator to reject thunderstorm spikes and power line noise by visual inspection.

OPERATING TEMPERATURE RANGE:

-40°C - 50°C (-40°F - 122°F)

DIMENSIONS: 28cm x 18cm x 27cm (11" x 7" x 10½")

SHIPPING DIMENSIONS: 37cm x 27cm x 35cm (14½" x 10½" x 14")

WEIGHT: 7kg (16lb)

SHIPPING WEIGHT: 14.5kg (32lb)

2. OPTIONAL DATALOGGER RECEIVER

- Uses above receiver in conjunction with Omnidata Polycorder.®
- Data is A/D converted and stored in 32k memory.
- RS-232C serial interface allows for connection to modem.
- Continual monitoring of readings through LCD.
- Spheric and powerline rejection through software filter.
- Operating temp range from -40°C - 50°C (-40°F - 122°F)

WEIGHT: 14.5kg (32lb)

SHIPPING WEIGHT: 21.8kg (48lb)

DIMENSIONS: 22cm x 28cm x 46cm (8¾" x 11" x 18")

SHIPPING DIMENSIONS: 35cm x 30cm x 53cm (14" x 11¾" x 21")

*Specifications subject to change without notice.

PULSE EM TRANSMITTER EQUIPMENT

- Flexible, multi-purpose transmitter and complete transmitting equipment for all types of surface and borehole time-domain EM surveys.

- 2000 Watt Transmitter can be powered 3 ways:
  - 24V rechargeable Battery Pack.
  - 24V Battery and 500W Motor Generator.
  - 24V-120V from 2000 W Motor Generator and Voltage Regulator.

- 24V input for Low-Power PEM surveys:

  18 Amps through 7-turn, 14m diameter Moving Coil (19,000 Am^2 dipole moment)
  - locates shallow (up to 150m deep) conductors even in conductive environments when used in profiling mode (Slingram method).
  - shallow resistivity soundings to 200m or more.

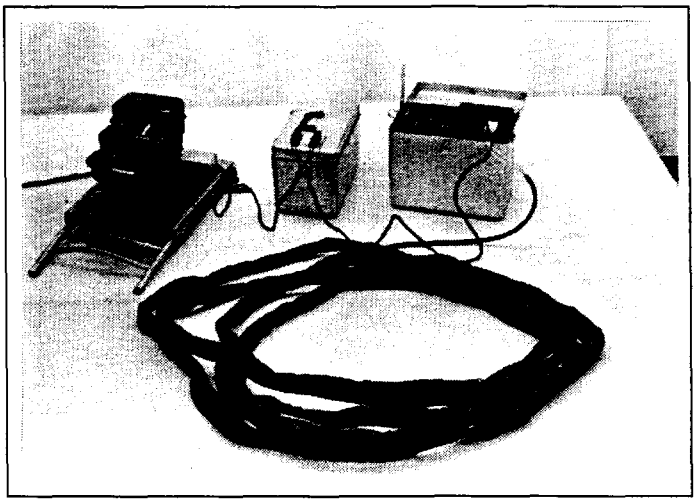
  18 Amps through 100m x 100m loop (180,000 Am^2 dipole moment)
  - Moving Loop or Moving In-Loop surveys for deeper conductor detection even in conductive environments.
  - Borehole logging to 300m or 300m long surface lines outside loop (small scale DEEPEM).
  - Resistivity sounding to hundreds of metres.

- 24V-120V input for High-Power PEM surveys:
  - Any loop size from 100m x 100m to 1 or 2 km square.
  - Can be used for all Surface and Borehole PEM surveys for deep conductor detection or deep resistivity sounding.

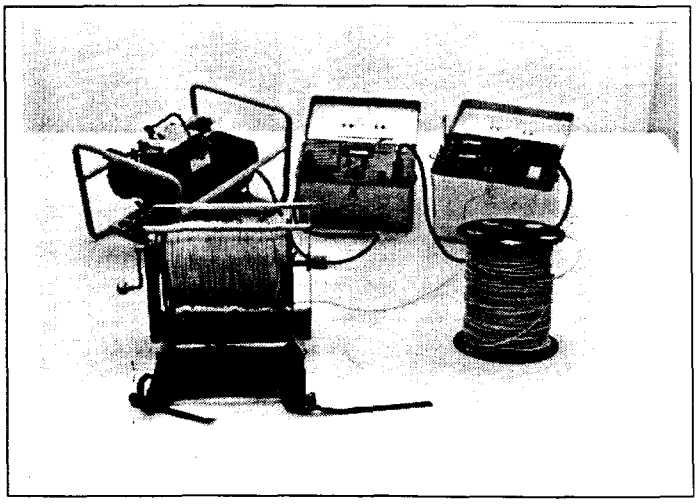
- 3 selectable current ramp times, 8 selectable time bases, and 3 synchronization methods.

- **Ramp times are fixed** to allow for proper data comparisons from loop to loop.

- Cleared for safe use in producing mines for underground borehole surveys.



Lower Power Gear
The 500W Motor Generator is required if the Transmitter is on for long periods. It is optional for the Moving Coil method.



2000 Watt Gear
Can power any size loop from 100m x 100m to 1 or 2 km square

SPECIFICATIONS - PULSE EM TRANSMITTER EQUIPMENT

2000 WATT PEM TRANSMITTER:

Controls bipolar, on-off waveform and linear current shut-off ramp time. Operating voltage: 24V to 120V.

Synchronization: Radio and cable synchronization are standard. Internal radio powers 1 metre long telescoping antenna (standard) or optional 1/4 Wave CB booster antenna on mast. In hilly terrain, use external (remote) radio and booster antenna on high point of grid, controlled by cable sync. Optional external crystal clock sync system.

On-Off times for 60 Hz powerline filtering: 8.33ms, 16.66ms, 33.33ms; for 50 Hz powerline filtering: 10.0ms, 20.0ms, 40ms; for analog PEM operation: 10.9ms, 21.8ms.

Linear controlled current shut-off ramp times of 0.5, 1.0 and 1.5ms. Ramp time is fixed and non-drifting with temperature and loop size to allow for accurate data comparison and interpretation.

Monitors for shut-off ramp operation, instrument temperature, Tx loop continuity, and overload output current.

Meters for loop current, input voltage, sync test.
Automatic shut-down for open Tx loop, high instrument temperature, and overload.

Net weight: 12.5 kg, shipping: 22 kg.

2000WATT MOTOR GENERATOR:

4 1/2 H.P. Wisconsin Robin, 4 cycle engine with belt drive to D.C. alternator; both mounted on frame; output: 120V, 20 Amps; external gas tank with hose and valve for full day of unattended operation; Net weight: 33 kg; shipping: 47 kg.

24V-120V VARIABLE VOLTAGE REGULATOR:

Controls and filters the alternator output; continuously variable between 24V and 120V D.C., 20 Amp maximum current; Net weight: 10kg, shipping: 20 kg.

WIRE, SPOOLS AND WINDERS:

Transmitter wire is usually No. 10 or 12 AWG insulated copper wire in 300m or 400m lengths, 1 length per spool; 2 spools in a shipping box; winder is mounted on a magnesium packframe.

MULTI-TURN MOVING COIL:

7 turn, 14 meter diameter Tx loop; plugs to break loop into 2 sections for easy station-to-station movement. Aluminum or copper wire and various coverings depending on area being used.

BATTERY POWER SUPPLY:

24V, 20 amp hour; rechargeable battery supply for use with PEM Transmitter as power source rather than motor-generator-regulator. In aluminum case, with clamp connectors. Net weight: 20.5 kg, shipping: 29 kg.

500 WATT, LOW-POWER MOTOR GENERATOR:

For continuous transmitter operation in Low-power PEM surveys. 3.5 H.P. Motor with belt drive to Alternator and Regulator; mounted on frame; output: 24V DC, 500W; connect to transmitter in parallel with 24V Battery Pack.

- Battery chargers supplied for all rechargeable battery units.
- All instruments and equipment operational from -40°C to +50°C.
- Plywood boxes for shipping and field transport with closed cell foam shock protection.

* Specifications subject to change without notice.

CRONE
Since 1962

CRONE GEOPHYSICS & EXPLORATION LTD.

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Geological Report on the Patridge River Project

for

Mr. Jean Roy

Southbluff Creek Area

Porcupine Mining Division, Ontario

N.T.S 32 L/NW

January 28, 1998

Todd Keast, F.G.A.C.

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INTRODUCTION

Between October 1, 1996 and October 3, 1996, an exploration program was completed on the Partridge River Project, owned by Mr. Jean Roy of Timmins Ontario. The exploration program consisted of linecutting, mapping, prospecting, and a geophysical survey. The project is situated approximately 70 km south of Moosonee Ontario, in the southeast portion of the Southbluff Creek Area (G-1571), within the Porcupine Mining Division.

The project is located in the Quetico Subprovince. The Quetico Subprovince is a sediment dominated sequence that extends from Minnesota in the southwest of Ontario, for 1,000 km eastward into Quebec.

A total of 2 km of grid lines were cut, mapped, prospected, and covered with an electromagnetic (EM) survey. A total of 4 samples were collected for XRF and ICP analysis. All outcrops mapped and prospected consisted of massive quatz-feldsapar-biotite gneiss. Four conductive anomalies were identified during the EM survey. All anomalies were situated in areas of overburden cover. The bedrock source of the EM anomalies was not identified.

Further work is recommended for the Partridge River Project. Although no significant copper or zinc assays, or significant hydrothermal alteration was returned from the prospecting program, the source of the strong EM anomalies remains unknown. The anomalies could be tested with short (20-30m) drill holes.

LOCATION AND ACCESS

The Partridge River Project is situated approximately 70 km south of Moosonee Ontario, in the southeast portion of the Southbluff Creek Area (G-1571), of the Porcupine Mining Division (**Figure 1**). The latitude and longitude of the project is NTS 32 L / NW, 50° 38' N 80° 30' E.

Access to the property is poor. A helicopter was used to access the property. Winter trails may be possible for winter access however distances from the nearest center is in excess of 80 km.

PROPERTY

The Partridge River Project consists of 1 unpatented mining claim 1211141 (16 units), comprising 256 hectares (**Figure 2**). The claim is situated in the Southbluff Creek Area (G-1571), of the Porcupine Mining Division. The claim is held by Mr. Jean Roy, of Timmins, Ontario.

TOPOGRAPHY

The Partridge River Project is characterized by flat to gently rolling topography. The vegetation consists predominantly of balsam and spruce. Outcrop exposure is approximately five to ten percent.

REGIONAL GEOLOGY

The geology of the Partridge River Area consists of a number of east-west trending volcano-sedimentary sequences, intruded by numerous felsic and mafic intrusions. The eastern portion of the map area consists of large granodiorite intrusions. The volcanic rocks include both felsic and mafic compositions. Sedimentary rocks are intercalated with the volcanics. Both folding and faulting are prominent throughout the area.


MANITOBA
ONTARIO
QUEBEC
USA
USA
James Bay
Project Claim
Red Lake
Kenora
Thunder Bay
Lake Superior
Timmins
Kirkland Lake
Matagami
Noranda
Val-d'Or
Quebec
Montreal
Ottawa
Sudbury
Toronto
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
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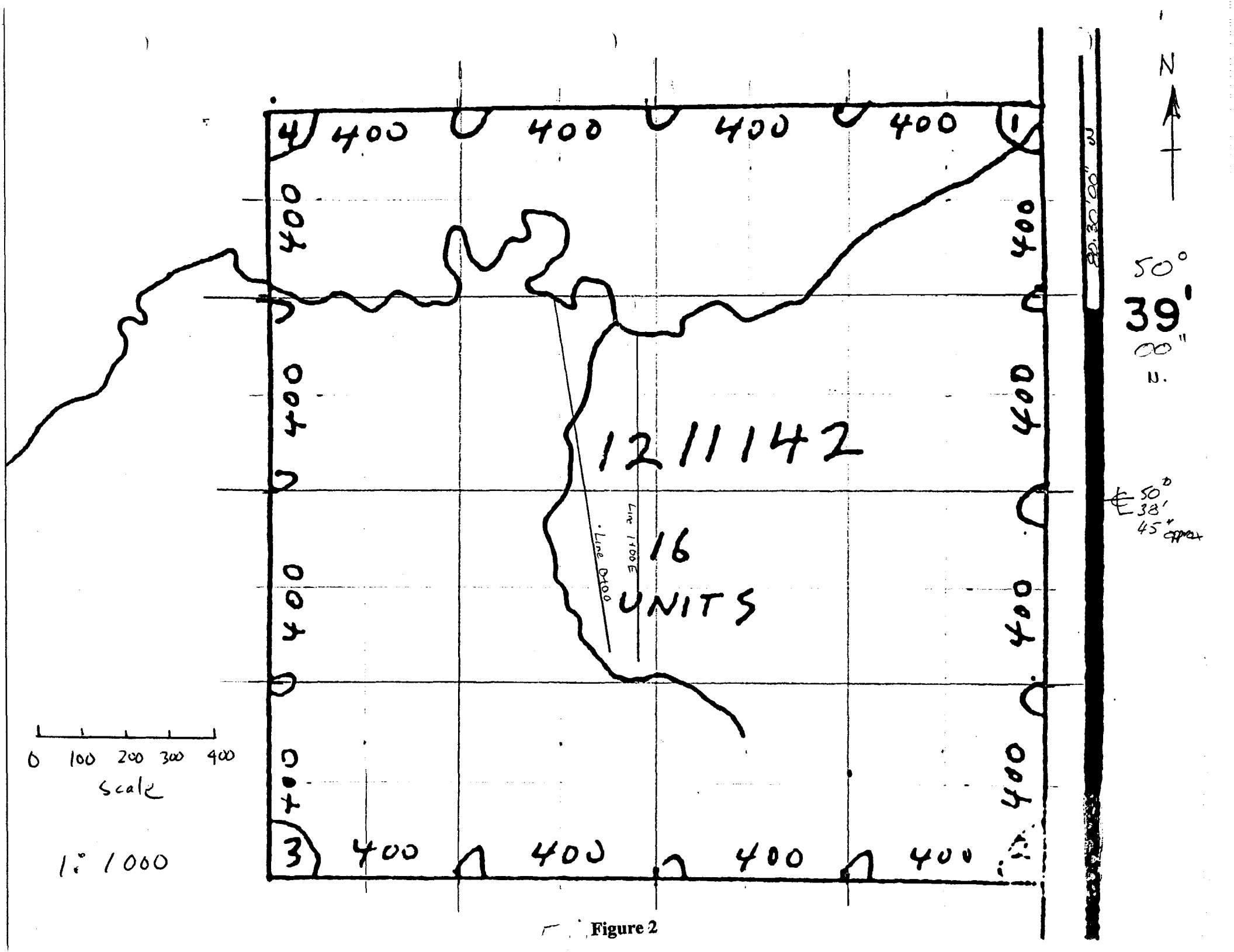
100 0 100 200 300 400
(Kilometers)

Figure 1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16
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Scale
1" 1000

Figure 2

The Ontario Department of Mines completed a mapping project of the Partridge River Area in 1966, Map P 376. The Ontario Geological Survey Completed an Airborne Electromagnetic Survey in 1991, Map 81548.

PROPERTY GEOLOGY

The Partridge River Project is situated within an east west trending 6 km X 12 km trough of massive biotite-quartz feldspar gneiss, interpreted to be massive greywacke. Amphibolite grade metamorphism makes visual interpretation of the original rock types difficult. A strong airborne EM anomaly with coincident airborne magnetic anomaly is situated on the property and is the focus of the exploration program.

PREVIOUS WORK

No previous exploration work has been completed on the property. The Ontario Department of Mines completed a mapping project of the Partridge River Area in 1966, Map P 376. The Ontario Geological Survey Completed an Airborne Electromagnetic Survey in 1991, Map 81548.

1996 EXPLORATION PROGRAM

Between October 1, 1996 and October 3, 1996, an exploration program was completed on a portion of the Partridge River Project. The exploration program consisted of linecutting, mapping, prospecting, and geophysical surveys.

The linecutting and geophysics survey was completed by Exics Exploration Inc., and the mapping and prospecting was completed by Todd Keast and Jean Roy. A helicopter was utilized to mobilize the crew to and from the project.

A one-day traverse was completed over the north portion of the claim (**Figure 2**), where widespread outcrop exposure was evident. The purpose of the mapping and prospecting was to evaluate the potential of an airborne EM anomaly situated in the north central

portion of the claim. A 2.0 km traverse was completed along two grid lines established by the geophysical crew performing an EM survey that same day.

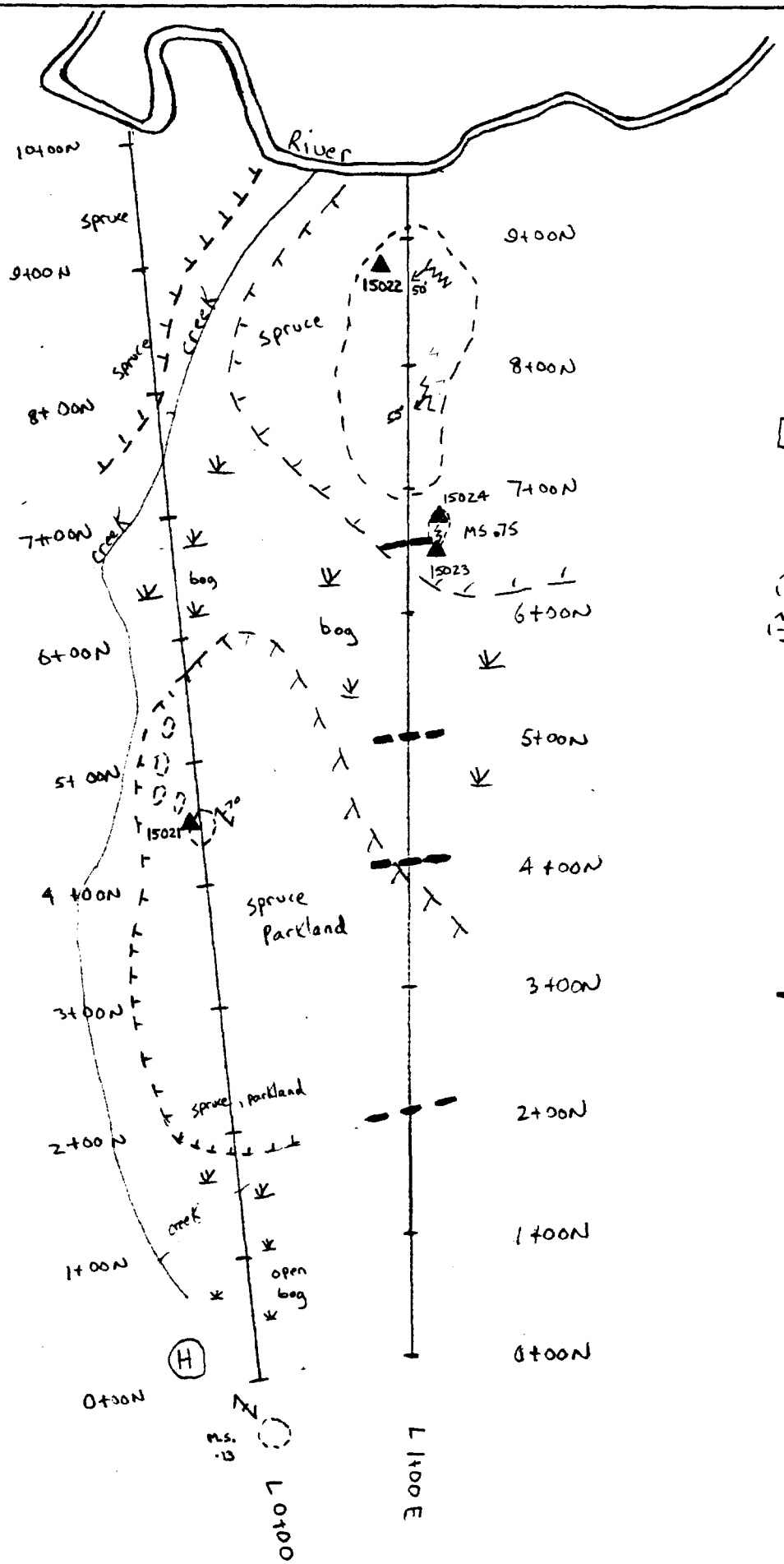
All outrcops visited consisted of massive quartz-feldspar-biotite gneiss, interpretted to be greywacke (**Figure 3**). Bedding was not observed at any location, however strong foliations were observed at all locations. Strong isoclinal folding was observed at several locations. A consistant plunge direction to the southwest was observed in a number of locations.

Four EM anomalies were identified by the EM survey (**Appendix I**). Outcrop exposure was present at only one of the four EM anomalies. No sulphide mineralization, nor any observable hydrothermal alteration products were evident from the outcrops visited. Four samples were collected for whole rock analysis (**Appendix II**). The results of the analysis indicate that three of the samples are greywacke. The fourth sample #15023 has major element compositions of a rhyolite. Significant hydrothermal alteration (associated with massive sulphide deposits), is not apparant in the whole rock data. ICP results do not show significant copper or zinc enrichment.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the available information the following points are concluded:

1. The airborne anomalies are genuine as verified by the ground EM survey.
2. The majority of the property is underlain by massive greywacke.



N

Legend

- Quartz-feldspar Biotite Gneiss (Greywacke)
- outcrop
- positive topographic feature
- Sample location
- foliation, dip
- Isoclinal folds with plunge direction
- Bog
- (H) Helicopter Pad
- EM anomaly

GEOLOGICAL ASSOCIATION OF CANADA
T. KEAST
F 5787
FELLOW
ASSOCIATION GÉOLOGIQUE DU CANADA

0 50 100
metres

Jean Roy

Partridge River Project
Geological Compilation
scale 1:5000

Claim 1211142

Figure 3

3. One sample appears to be rhyolite, suggesting a narrow rhyolite horizon in the vicinity of one of the EM anomalies.
4. No anomalous copper or zinc values were encountered in the samples.
5. Only one of the conductors was adjacent to outrop, the other anomalies were overlain by muskeg.
6. The cause of the conductors remains unknown.

Based upon the airborne geophysical results it is anticipated that the conductors may consist of massive pyrrhotite. There is a pronounced magnetic high associated with the conductors suggesting pyrrhotite or magnetite. The folding pattern indicates that a single conductive horizon may be folded into the pattern of the EM anomalies. The cause of four separate EM anomalies may be the fold repetition of the same horizon. In addition the folding will generate linear rod shaped bodies (**Figure 4**), rather than tabular bodies

The source of the EM anomalies remains unexplained. Drill testing is the only way to determine the source. Due to the remote location and lack of infrastructure (no roads), a small lightweight portable drill would be the most economical way to test the anomalies. A drill that could penetrate 10-20 metres into bedrock would be the most cost effective way to evaluate the source of the conductors. The complex folding observed in outrop would suggest that the conductors are rod shaped bodies, possibly part of one continuous horizon folded back upon itself in the same pattern as observed in outcrop. Drilling the anomalies with long holes would probably result in overshooting and undershooting the anomalies. Short holes set up on the conductor axis would be the most cost effective way to evaluate the anomalies

An estimated budget of **$15,000** would be required to drill test the EM anomalies. The majority of this cost would be allocated to mobilizing and demobilizing the drill.

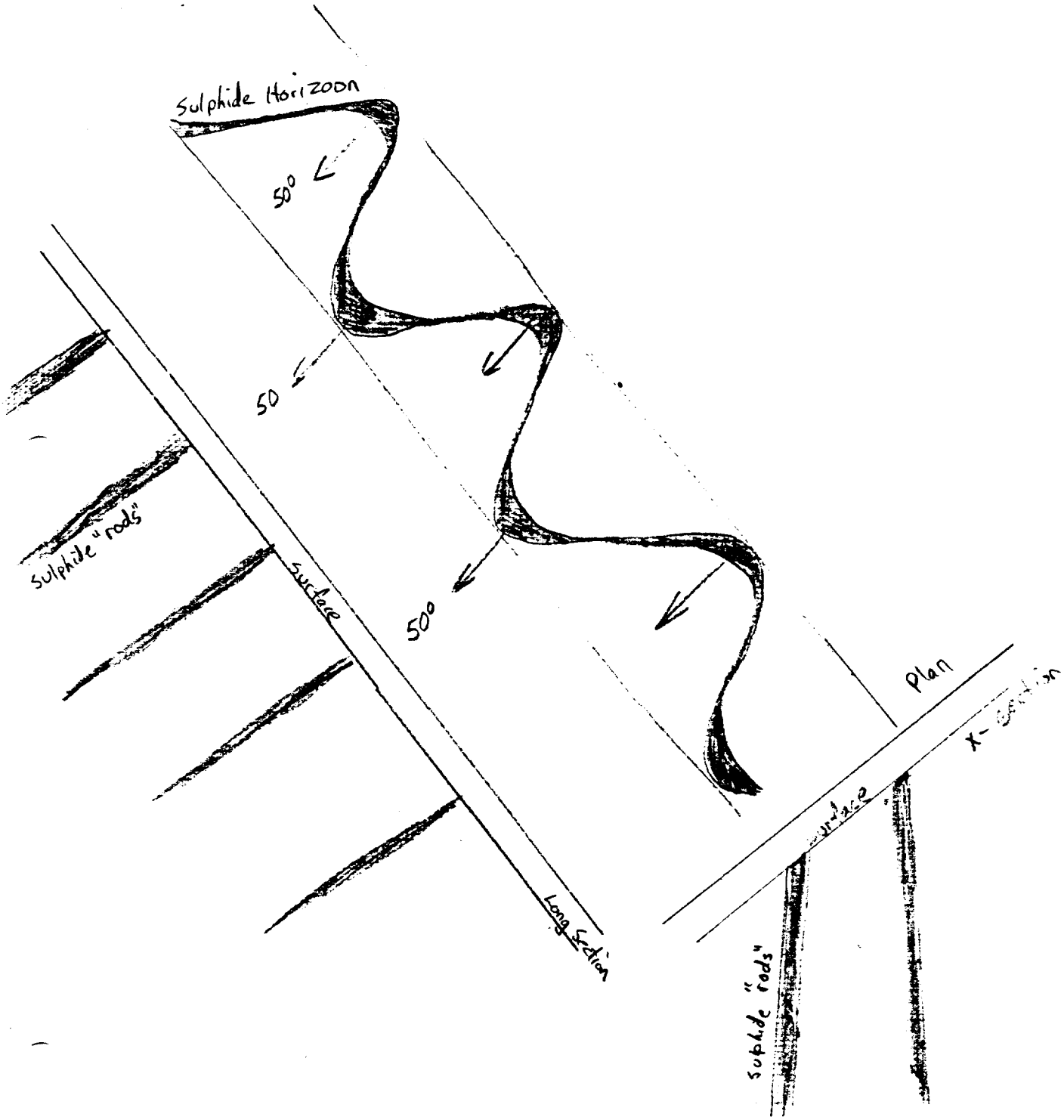


Figure 4

Figure 4

REFERENCES

Bennett, G. 1966

Ontario Department of Mines Partridge River Sheet. O.D.M. Map P.376.

O.G.S. 1990

Airborne Electromagnetic an Total Intensity Magnetic Survey, Partridge River Area; O.G.S. Map 81548 scale 1:20,000.

Williams, H.R. 1991

Quetico Suprovince; in Geology of Ontario, Ontario Geological Survey, Special Volume 4, part 1, p383-404.

CERTIFICATE OF QUALIFICATIONS

I, **Todd Keast**, of 1204 Grace Ave., Porcupine, Ontario, do hereby certify that:

1. I am the author of this report.

2. I am a graduate of the University of Manitoba, Winnipeg, Manitoba, having received an Honors Bachelor of Science (Geology), in 1986.

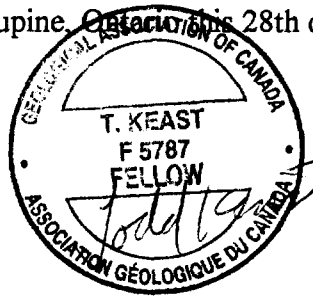
3. I have practiced in the field of mineral exploration since 1987, for a number of exploration companies throughout Manitoba, Ontario, and Quebec.

4. I am a Fellow of the Geological Association of Canada.

5. I am a member of the Canadian Institute of Mining and Metallurgy.

6. I do not hold any interest in the Partridge River Project, nor any interest in any properties within ten kilometres of the Partridge River Project.

Dated at Porcupine, Ontario, this 28th day of January, 1998.



Todd Keast, F.G.A.C.

Appendix 1

EM Geophysical Survey Attached

Appendix II

ICP and XRF Results

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

REPORT: T96-57574.1 (COMPLETE)

REFERENCE: -

CLIENT: JEAN ROY

PROJECT: NONE

SUBMITTED BY: JEAN ROY

DATE PRINTED: 19-NOV-96

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	4	-150	4	SAMPLES FROM STORAGE	4

REPORT COPIES TO: P.O. BOX 1184
TO FAX: 1-705-268-6132

INVOICE TO: P.O. BOX 1184

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: JEAN ROY
PROJECT: NONE
REPORT: T96-57574.1 (COMPLETE)
DATE PRINTED: 19-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT
15021		0.2	9	30	125	5	144	21	<0.2	<5	<5	<5	4.94
15022		<0.2	51	18	104	4	66	20	<0.2	<5	<5	<5	4.50
15023		<0.2	18	25	107	6	52	17	<0.2	<5	<5	<5	5.24
15024		<0.2	6	10	45	2	17	5	<0.2	<5	<5	<5	1.53

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: JEAN ROY
PROJECT: NONE
REPORT: T96-57574.1 (COMPLETE)
DATE PRINTED: 19-NOV-96 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
15021		940	<10	641	342	103	<20	<20	30	5.00	3.05	1.39	0.14
15022		682	<10	207	254	88	<20	<20	5	2.78	2.10	0.24	0.06
15023		685	<10	428	258	107	<20	<20	4	3.43	2.41	0.11	0.04
15024		255	<10	98	191	24	<20	<20	3	1.08	0.72	0.10	0.05

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220 Fax: (613) 749-7170

MB
Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificat
of
Analysis

CLIENT: JEAN ROY
PROJECT: NONE
REPORT: T96-57574.1 (COMPLETE)
DATE PRINTED: 19-NOV-96

SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
15021		2.92	96	13	26	33	13	10	<10	0.30	4
15022		1.52	6	7	20	16	7	9	<10	0.27	6
15023		2.03	6	4	21	30	4	10	<10	0.28	7
15024		0.57	7	2	7	8	2	<5	<10	0.09	5

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220 Fax: (613) 749-7170

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): W9860.00075
Assessment Files Research Imaging

42I10NE2001 2.18115 SOUTHBLUFF CREEK 900

of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the review the assessment work and correspond with the mining land holder. Recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2.18115

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
Jean Roy 50%	189806
Address: 321 Lois Cres.	Telephone Number: 268-3233
Timmins, Ont.	Fax Number: 268 6132
Name: Raynold Bernier 50%	Client Number: 107833
Address: General Delivery	Telephone Number: 705-895-2183
Foleyet, Ontario	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

		Office Use
Work Type: Prospecting, Mapping, Line cutting, Pulse EM Survey.		Commodity
		Total $ Value of Work Claimed: $15,356
Dates Work Performed: From 1 / 10 / 96 (Day / Month / Year) To 03 / 10 / 96		NTS Reference
Global Positioning System Data (if available): 50° 38' 40" N, 80° 30' 45 W	Township/Area: Southbluff Creek	Mining Division: Porcupine
	M or G-Plan Number: G-1484	Resident Geologist District: Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Todd Keast Geological Services Inc.	Telephone Number: 705-235-2540
Address: Box 147 South Porcupine Ont.	Fax Number: 705 235-2991
Name: Exics Exploration Ltd (John Grant)	Telephone Number: 705 267-4151
Address: Timmins, Ontario.	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED JAN 30 1998 1:15 PM PORCUPINE MINING DIVISION

RECEIVED FEB - 2 1998 10:00 GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Jean Roy (Print Name) do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date
X [signature] Deemed April 29/98		Jan 28/1998
Agent's Address: 321 Lois Cres. Timmins, Ont. P4P-1G6	Telephone Number: 705-268-3233	Fax Number: 705-268-6132

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	**Number of Claim Units.** For other mining land, list hectares.	**Value of work performed** on this claim or other mining land.	**Value of work applied to** this claim.	**Value of work assigned** to other mining claims.	**Bank. Value of work** to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1	1211142	256	$15,336.00	$15,336.00	0	0
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals				

I, Jean Roy (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
X	Jan 22/2008

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9860.00075

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.18119

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Line Cutting	2 Km Line Cutting	$325/Km	$650
EM Geophysics Survey	2 Km Survey	$900/Km	$1800
Mapping	1 manday	$250/day	$250
Prospecting	1 manday	$175/day	$175.00
Supervisor	1 manday	$400/day	$400.00
Report	3 mandays + Supplies		$428.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Maps - Geology			$18.39
NTS - Maps			$40.62
Drafting			$175.00
Mobilization			$6810.55
Mobilization			$3418.65
Transportation Costs			
Travel - Moosonee - Timmins			$339.96
Travel Moosonee - Timmins			$779.92
Food and Lodging Costs			
		Total Value of Assessment Work	$15,336.09

RECEIVED FEB 2 1998 GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

RECEIVED JAN 30 1998 1:15 PM PORCUPINE MINING DIVISION

Certification verifying costs:

I, Jean Roy (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as X recorded Holder (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
	Jan 28/1998

0212 (02/96)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

May 14, 1998

JEAN ROBERT ROY
BOX 1184
321 LOIS CRESCENT
TIMMINS, ON
P4N-7J5

Dear Sir or Madam:

Submission Number: 2.18115

Subject: Transaction Number(s):		**Status**
	W9860.00075	Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 12266
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18115

Date Correspondence Sent: May 14, 1998 **Assessor:** Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00075	1211142	SOUTHBLUFF CREEK	Approval After Notice	May 13, 1998

Section:
12 Geological GEOL
9 Prospecting PROSP
14 Geophysical EM

Thank you for your prompt response to the 45 Day Notice dated April 23, 1998. The submitted material has corrected all deficiencies associated with this submission. Accordingly, assessment credit has been approved as outlined on the Report of Work form that accompanied this submission.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

JEAN ROBERT ROY
TIMMINS, ON

RAY JOSEPH BERNIER
FOLEYET, ONTARIO

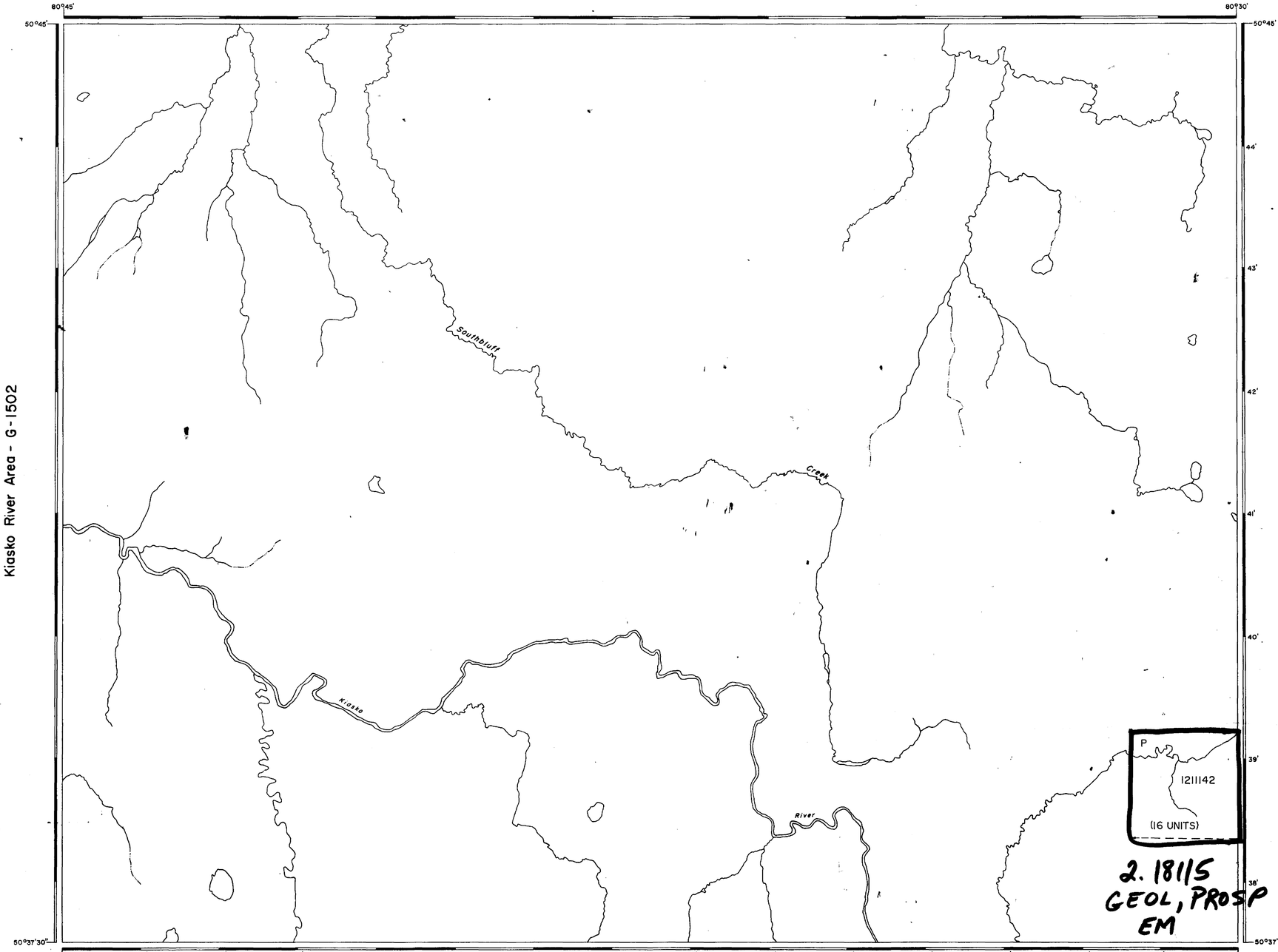
Correspondence ID: 12266

TRIM LINE

G-1251

SOUTHBLUFF CREEK

Center Part Southbluff Creek Area - G-1454



Kiasko River Area - G-1502

East of Southbluff Creek Area - G-1484

South of Southbluff Creek Area - G-1586

b.k.

506803

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

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 (1 KM) 2000 (2 KM)

DATE OF ISSUE

MAY 15 1998

TOWNSHIP

PROVINCIAL RECORDING OFFICE - SUDBURY

AREA

SOUTHBLUFF CREEK

M.N.R. ADMINISTRATIVE DISTRICT

MOOSONEE

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

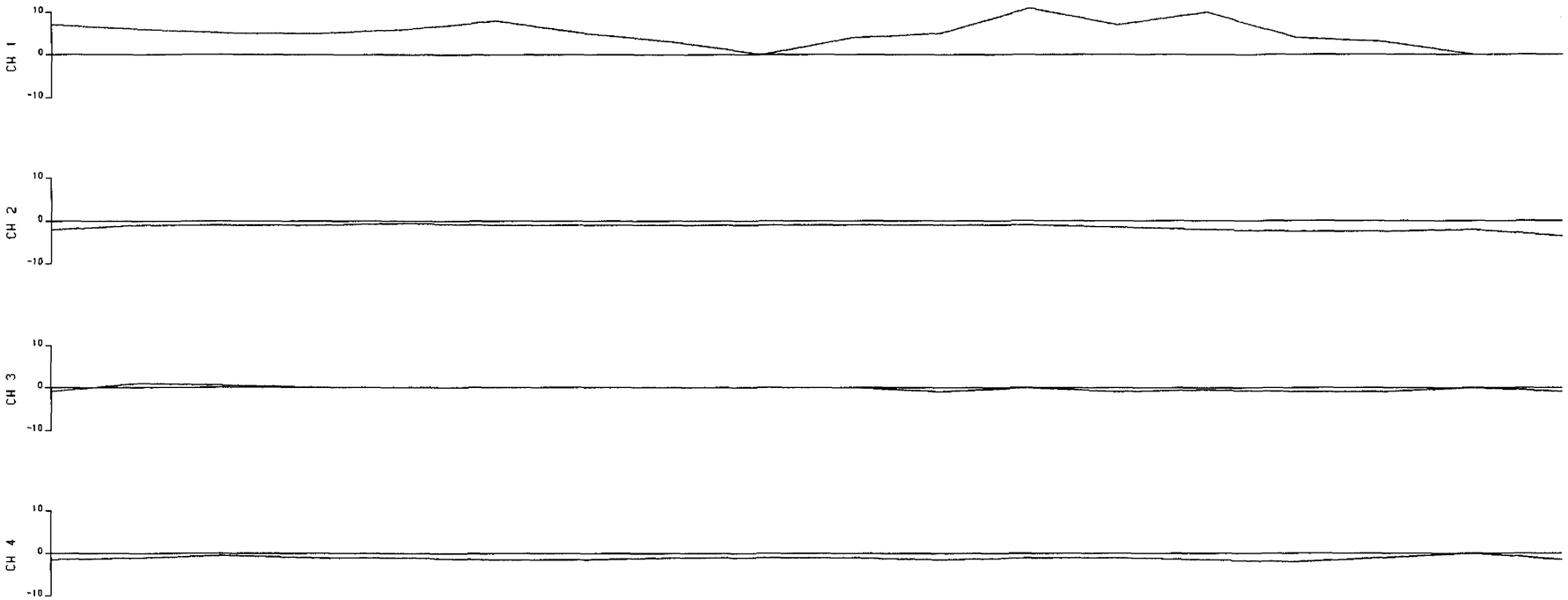
Ministry of Natural Resources — Land Management Branch — Ontario

Date NOVEMBER, 1982

Number G-1571

42I10NE2001 2.18115 SOUTHBLUFF CREEK 200

TRIM LINE



SYNCRONIZATION: RADIO LINK
PRIMARY PULSE: 500
COIL SEPARATION: 150m
DEPTH TO SOURCE:
CONDUCTIVITY:
WIDTH:
DIP:

DRILL HOLE CO-ORDINATES:
ANGLE OF DRILL HOLE:
APPROXIMATE DEPTH:

EXSICS EXPLORATION LTD

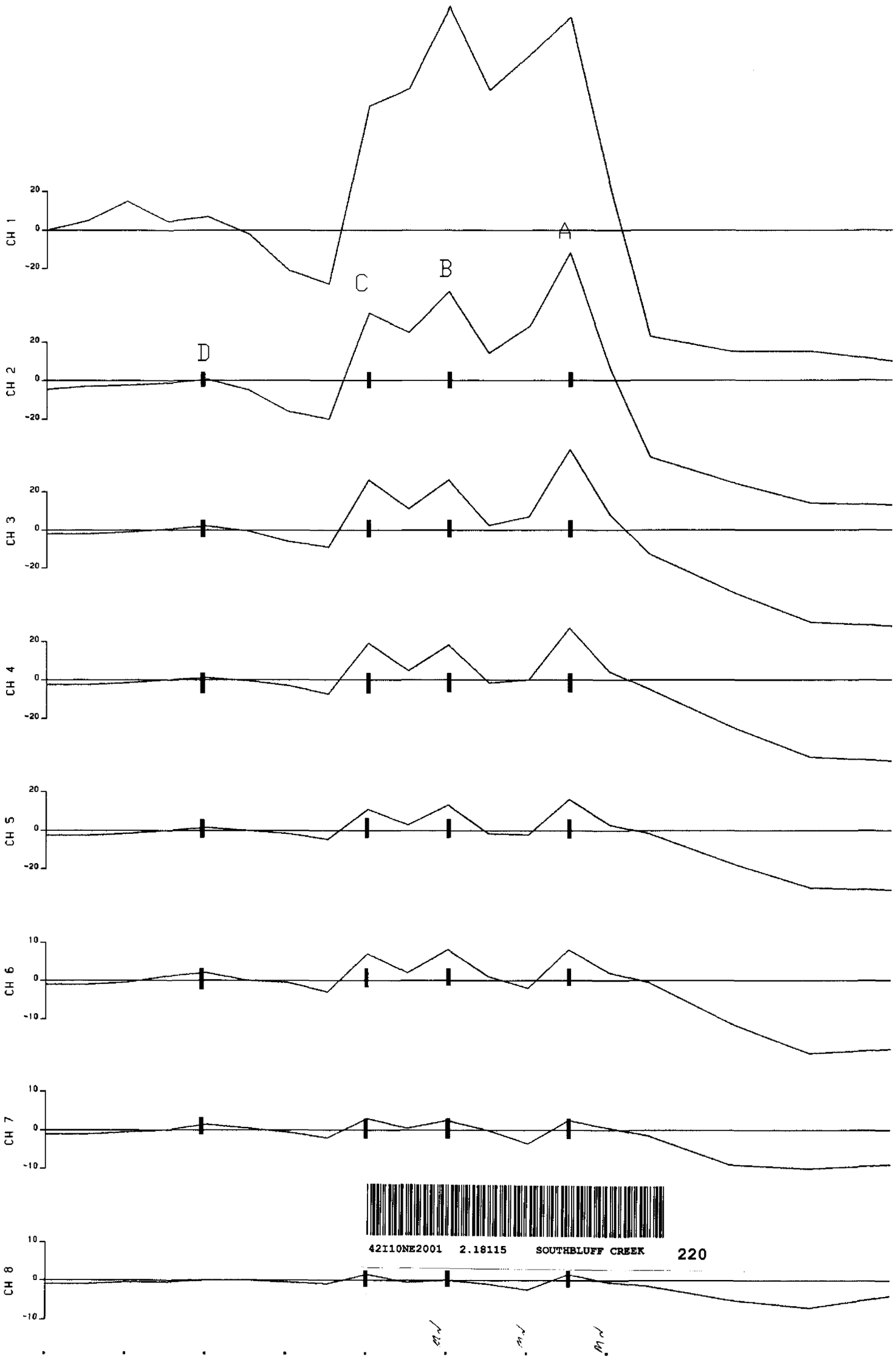
CLIENT: J. ROY

PROPERTY: PARTRIDGE RIVER MOOSONEE

LINE 0 East

TITLE: PEM MOVING COIL SURVEY

DATE: OCT. 1996 SCALE: 1:2500 JOB NO: E-0



N

SYNCRONIZATION: RADIO LINK
PRIMARY PULSE: 500
COIL SEPARATION: 150m
DEPTH TO SOURCE: A,B,C, Conductors 45-75m Deep
D, Conductors 105m Deep
CONDUCTIVITY: A,B,C.- 13-23MHOS, D.- 25MHOS
WIDTH: NARROW
DIP: SOUTH

DRILL HOLE CO-ORDINATES:
ANGLE OF DRILL HOLE:
APPROXIMATE DEPTH:

EXSICS EXPLORATION LTD

CLIENT: J. ROY

PROPERTY: PARTRIDGE RIVER MOOSONEE

LINE 300 East

TITLE: PEM MOVING COIL SURVEY

DATE: OCT. 1996 SCALE: 1:2500 JOB NO: E-0