

GEOPHYSICAL REPORT FOR PROSPECTOR'S ALLIANCE INC. ON THE ALLERSTON OPTION BRISTOL EAST PROPERTY BRISTOL TOWNSHIP PORCUPINE MINING DIVISION NORTHEASTERN, ONTARIO

2.16819

PREPARED BY: J.C.GRANT, CET, FGAC AUGUST, 1996





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MINING LANDS BRANCH





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INTRODUCTION

The services of Exsics Exploration Limited were retained by Prospector's Alliance Inc. to complete a linecutting and geophysical program on a block of their claims located in the central west section of Bristol Township of the Porcupine Mining Division. Figure 1 and 2. The purpose of this program was to locate and outline geological formations which would be considered favourable areas for gold deposition.

The ground program began in the middle of July, 1996 and will continue until the end of the year.

This report will deal with the results of a total field magnetic survey which was completed on a portion of the main claim block. The linecutting and ground surveys will continue on the Prospector's Alliance holdings in this and surrounding townships.

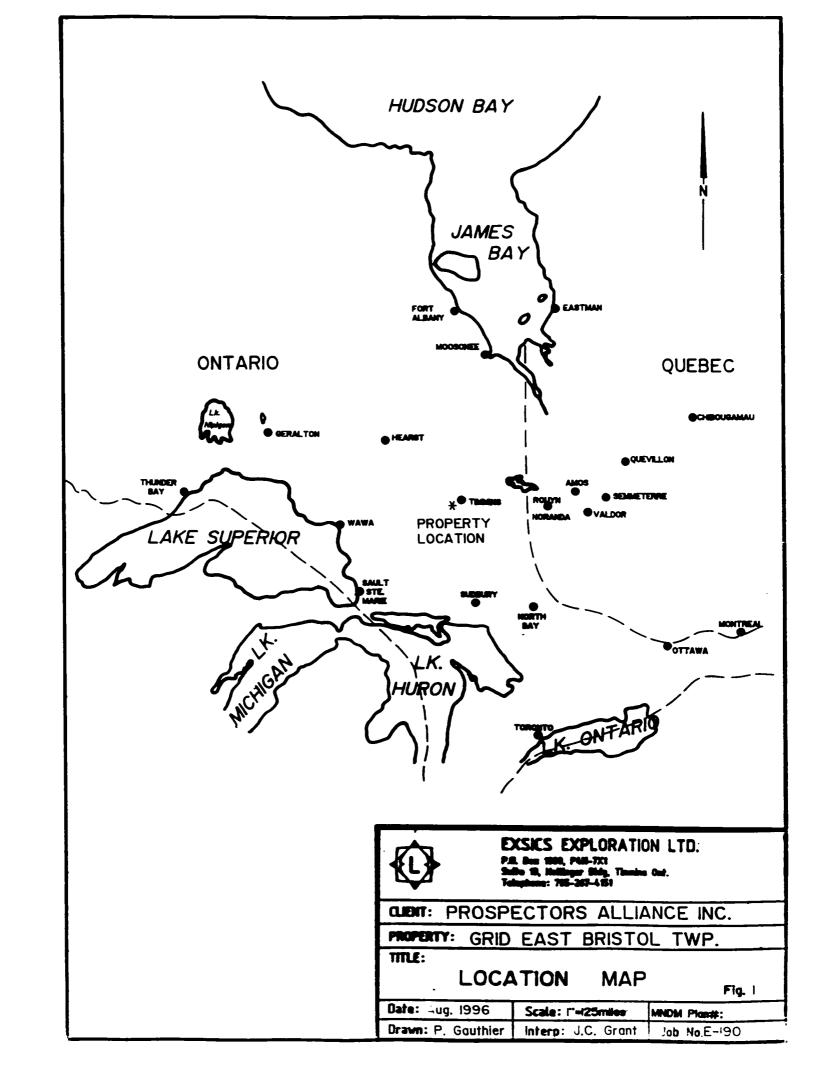
PROPERTY LOCATION AND ACCESS

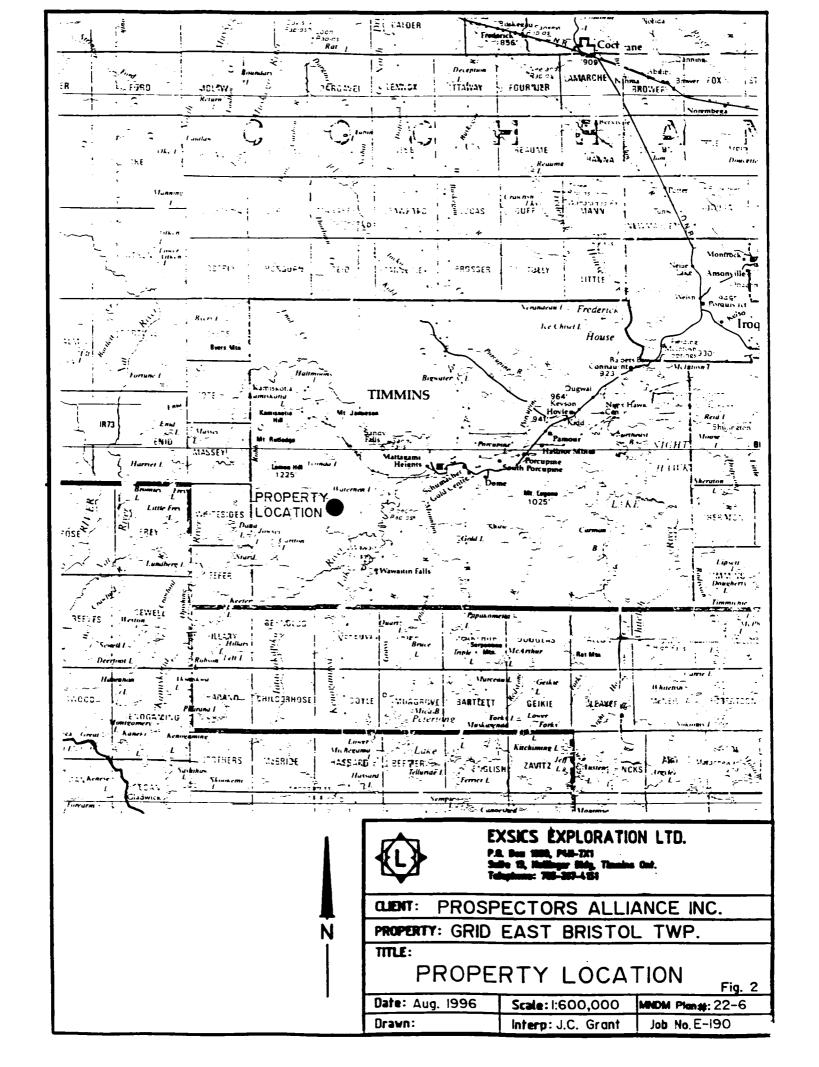
The claim group which will be discussed in this report is located in the west central section of Bristol Township, Porcupine Mining Division, District of Cochrane in northeastern Ontario. Figure 1 and 2. More specifically it is located north of Highway 101 just before the junction of Highway 144 and just to the south of McDonell lake. Thunder Creek cuts across the western section of the claim group in roughly a north-south direction. Figure 3.

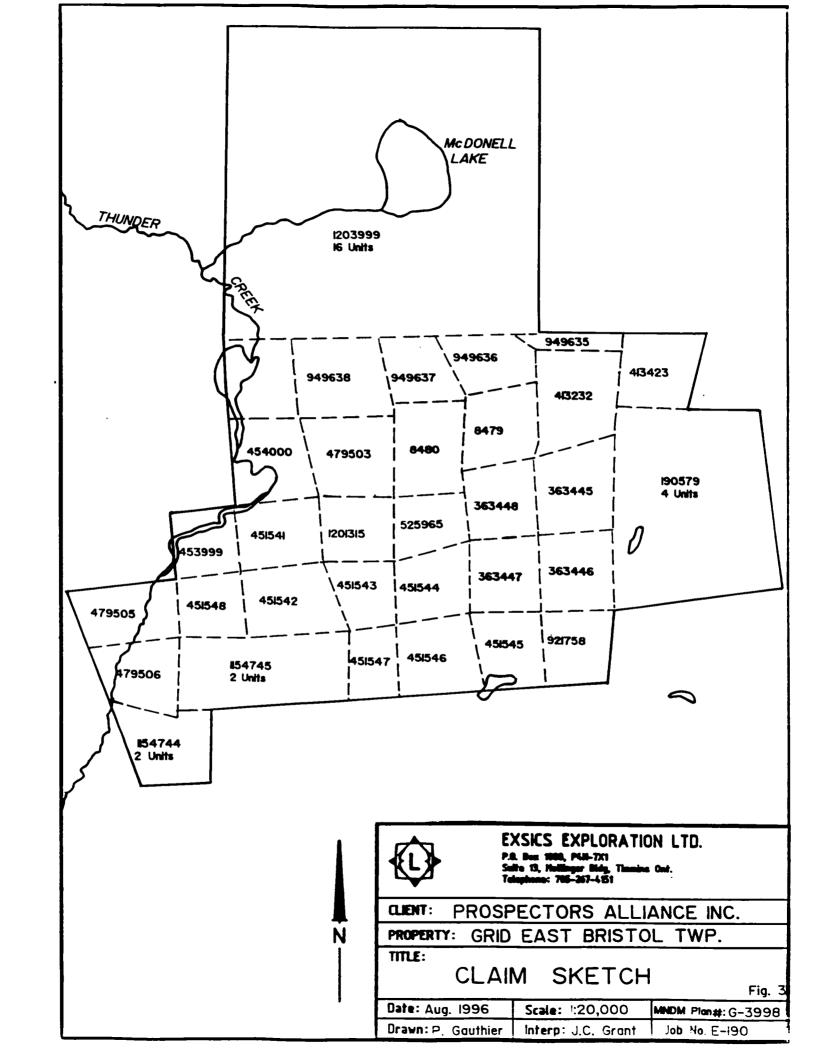
The access to the claim group during the survey period was ideal. Highway 101 west travels just to the south of the claim group and provides drivable access to within 1200 meters of the southeast corner of the block. an alternate route would be by truck along the Mallett main haulage road which travels northwest off of 101 and eventually follws the township line between Godfrey and Bristol. A good gravel road travels south off of this haulage road and provides access to the center of the north boundary of the claim group. The entira property can be reached by vehicle in about 30 minutes from Timmins.

CLAIM GROUP

The claim numbers which make up this portion of the Prospector's Alliance Inc.'s holdings in Bristol are shown on figure 3 of this report, Claim Sketch. The sketch was copied from MNDM Plan Map G-3998, Bristol Township, scale 1:20,000.







PERSONNEL

The field crew directly responsible for the collection of all data were as follows.

Richard Mathieu..... Timmins, Ontario John C. Grant..... 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.

GROUND PROGRAM

The ground program consisted of establishing a detailed metric grid across the claim group which would control the geophysical program. The linecutting consisted of 100 meter spaced lines which were chained with 20 meter pickets. The cross lines were turned off of an east-west control line, called the baseline. In all, a total of 60 kilometers of grid lines were to be established on the claims.

Once the cutting was completed, the grid was then read with a total field magnetic survey. This was completed using the Scintrex, MP-2 proton magnetometer. Specifications for the unit can be found as Appendix A of this report. The following parameters were kept constant throughout the survey period.

Line spacing	100 meters
Station spacing	20 meters
Reading interval	20 meters
Reference field	50 000 games
Datum Subtract	57 000 ganulas
Diurnal correction	Min line leading
Parameters measured	Freth's total man discount
Unit accuract	Earth S total magnetic field
onic accuract	+/- U.5 gammas.

The collected and corrected data was then plotted directly onto a base map at a scale of 1:5000, and then contoured at gammma intervals where possible. A copy of this contoured map is inlouded in the back pocket of this report. At the time of this writing, a portion of the claim block was not completely cut. The cutting has resummed and it will be covered by the magnetic survey as soon as possible.

SURVEY RESULTS

At the time of this writing, approximately 10 kilometers of cutting was completed of which 7.0 kilometers has been covered by the magnetic survey. This initial survey was to test the property for magnetic characteristics which would highlite areas of geological structures which would be considered favourable horizons for follow-up work.

The test survey indicated that several areas of magnetic high units are striking across the grid. These areas are represented by narrow, moderate magnetic highs. Two of these highs are centered on claims 1154745 and 451547. A third unit is situated on claims 451541 and 1201315. A broad magnetic low was observed generally situated in the center of claim 451543.

Also noted in the test work was a weak cross structure generally paralleling line 900ME from the northend to about the baseline. This cross unit is represented by a series of small magnetic highs which may be indicative of a deeply buried diabase dike crossing the grid.

CONCLUSIONS AND RECOMMENDATIONS

The test survey concludes that the property should lend itself well to magnetic coverage. This should help in inentifying areas for further follow-up by outlining the buried geological structures of the claim group. The remainder of the grid should be covered by the magnetic survey as well as a VLF-EM survey. The results of this preliminary geophysics should then be followed-up with a detailed geological and geochemical survey to test any and all magneticly active areas.

∕JOHN GRAN

Respectfully subm

J.C.Grant, CET, August, 1996

CERTIFICATE

I, John C. Grant, hereby certify that:

1) I am a graduate qeophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequentely 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 present.

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

3) I am a member of the Geological Association of Canada.

4) I have been actively engaged in my profession for the last twenty (20) 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 by the claim holders.

John Charles Grant, CET, FEA







SCINTREX

earth science division

Proton Precession Magnetometer for Portable or Base Station Use

MP-2

.'eatures ▶

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 lailure.

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 emilting 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.



TECHNICAL DESCRIPTION OF MP-2 MAGNETOMETER



RESOLUTION

TOTAL FIELD ACCURACY

RANGE

INTERNAL MEASURING PROGRAMME

EXTERNAL TRIGGER

DISPLAY

RECORDER OUTPUT (Optional)

GRADIENT TOLERANCE

POWER SOURCE

SENSOR

HARNESS

OPERATING TEMPERATURE TANGE

SIZE

WEIGHTS

1 Gamma.

+ 1 Gamma over full operating range.

20,000 to 100,000 gammas in 25 overlapping steps.

Single reading — 3.7 seconds. Recyc feature permits automatic repetitive readings. 3.7 seconds intervals.

External trigger input permits use of sampling intervals longer than 3.7 seconds.

5 digit LED (Light Emitting Diode) readout displaying total magnetic field in gammas or normalized battery voltage.

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.

Up to 5000 gammas/metre.

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.

Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance.

Complete for operation with stall or back pack sensor.

-35°C to +60°C.

Console, with batteries: 80 x 160 x 250mm.

Sensor: 80 x 150mm.

Stalf: 30 x 1550mm. (extended)

30 x 600 mm. (collapsed)

Console, with batteries: 1.8kg. Sensor: 1.3kg. Staff: 0.6kg.

SCINTREX LIMITED
222 Snidercroft Road,
Consord, Ontario, Canada L4K 1B5
11: 111011 (416) 614 2210 IELLX 16 964570

idiansity of Northern Development and Mines

Report of Work Conducted After Recording Claim

Transaction Number W9660.00506

Mining Act

al information collected on this form is obtained under the authority of the Mining Act. This information will be use ection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and , Ontario, P3E 6A5, telephone (705) 670-7264.

- ctions: Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requir Recorder.
 - A separate copy of this form must be completed for
 - Technical reports and maps must accompany this
 - A sketch, showing the claims the work is assigned



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to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

The parameter of the pa		Date
I certify that the recorded holder had a beneficial interest in the patented	1	11/1/2/2
or leased land at the time the work was performed.		K-1



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collèce de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4º étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

Note: When claiming Rehabilitation work Indirect costs are not

2. Indirect Costs/Coûts Indirects

Total Value of Assessment Credit

(Total of Direct and Allowable

Reitüses pour dépôt

Indirect costs)

allowable as assessment work

1.	Direct	Costs/	Coûts	directs
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Туре	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's	Type & CKNY65 LINECUTTING 6-2KNY100	7130.00	
Fees Droits de l'entrepreneur	160/1145165	3130.00 620.00	
et de l'expert- conseil	LUTS & KERVETS		3390.00
Supplies Used Fournitures	Туре		
uti lisées	657 0N		
	655 0 N TOTAL		
			237.30
Equipment Rental	Туре		
Location de matériel			
	Total Dir Total des coû	ect Costs	3622.30

Туре	Description	Amount Montant	Totals Total globa
Transportation Transport	Туре		
\$	2.168	13	
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Food and Lodging Nourriture et hébergement			
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hébergement Mobilization and Demobilization Mobilization et démobilisation	Sub Total of Indi Total partiel des coût		

le présent état des coûts dans les 30 jours suivant une demande à cet verification is not made, the Minister may reject for assessment work effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout all or part of the assessment work submitted. ne partie des travaux d'évaluation présentés. סצבו כג וטט

Filing Discounts

- 1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

otal Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Certification Verifying Statement of Costs

hereby certify:

iat the amounts shown are as accurate as possible and these costs ere incurred while conducting assessment work on the lands shown n the accompanying Report of Work form.

at as	folgar!	I am authorized
	(Recorded Holder, Agent, Position in Company)	

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

Vaieur totale du crédit 'évaluation

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Carrie demandée
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J'atteste par la présente : que les montants indiqués sont la	PARCHENEOMINING DRIPSIPRE
dépenses ont été engagées pour é sur les terrains indiqués dans la fori	Hectuer les travaux d'évaluation
Et qu'à titre de	je suis autorisé oste occupé dans la compagnie)

make this certification

à faire cette attestation.

Signature	Date
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Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

November 1, 1996

Gary White Mining Recorder 60 Wilson Avenue, 1st Floor Timmins, ON P4N 2S7



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

Telephone: (705) 670-5853 Fax: (705) 670-5863

Dear Sir or Madam: Submission Number: 2.16819

Subject: Transaction Number(s): W9660.00506

After reviewing the Work Report(s) we have prepared this letter and the attached summary, which lists the results of our review. Requirements of the Assessment Work Regulation may not have been fully met. Please examine the summary to determine the next course of action concerning the identified Work Report(s).

NOTE: The 90 day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, is no longer in effect for this submission.

PLEASE NOTE ANY REQUESTED REVISIONS MUST BE SUBMITTED IN DUPLICATE.

If the anniversary dates for the mining claims affected by this correspondence have not passed, a number of options are available. Please contact the Mining Recorder to discuss these options.

If you have any questions regarding this correspondence, please contact Steve Beneteau at (705)670-5855.

Yours sincerely,

Porcale.

ORIGINAL SIGNED BY Ron C. Gashinski Senior Manager, Mining Lands Section Mines and Minerals Division

Work Report Assessment Results

Submission Number: 2.16819

Date Correspondence Sent: November 01, 1996 Assessor: Steve Beneteau

Transaction Number

First Claim

Township(s) / Area(s)

Status

Approval Date

W9660.00506

1154745

Number

BRISTOL

Approval

October 31, 1996

Section:

14 Geophysical MAG

Correspondence to:

Mining Recorder

Timmins, ON

Resident Geologist Timmins, ON

Assessment Files Library Sudbury, ON

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

John C. Grant

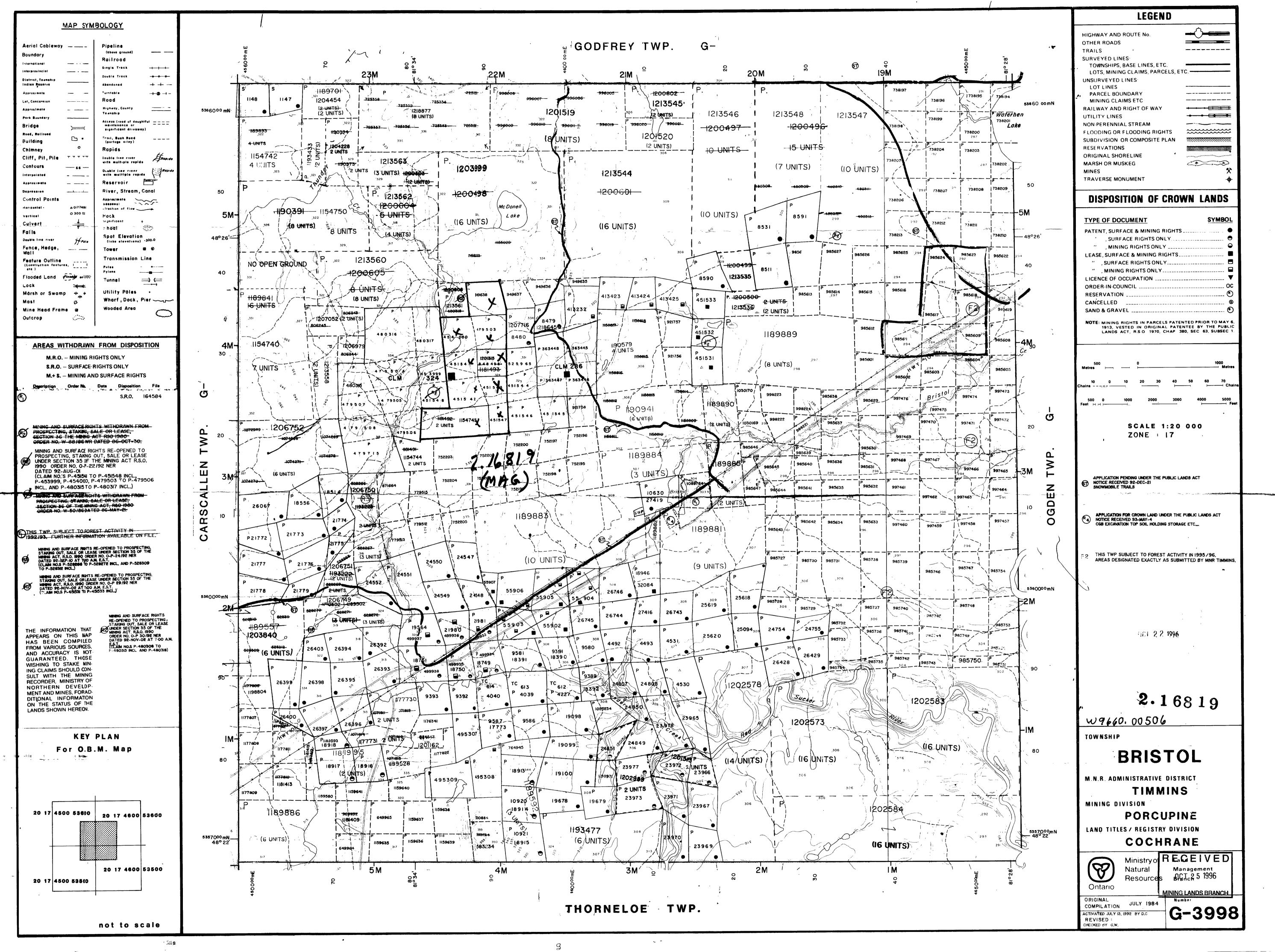
TIMMINS, ONTARIO, CANADA

RALPH E. ALLERSTON

TIMMINS, ONTARIO

PROSPECTORS ALLIANCE LIMITED

TORONTO, ONTARIO



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