

42408NE0227 2.5372 BARNET

BRINCO MINING LTD.

REPORT ON GEOPHYSICAL SURVEYS
BARNET AND THACKERAY TWP.
TILLICUM PROJECT
LARDER LAKE MINING DIVISION

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MINING LANDS SECTION

Brinco Document No. P82004 N.T.S. 42 A/8 January 21, 1983 R. W. Woolham BASC P. Eng.

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CERTIFICATE

LIST OF MAPS

Scale 1:2 500

NO.	TITLE
P82004-1	Magnetic Values North Grid
P82004-2	Magnetic Contours North Grid
P82004-3	Magnetic Values South Grid
P820044	Magnetic Contours South Grid
P82004-5	VLFEM Profiles North Grid, Seattle
P82004-6	VLFEM Profiles North Grid, Annapolis
P82004-7	VLFEM Fraser Filter Contours North Grid, Seattle
P82004-8	VLFEM Profiles South Grid, Seattle
P82004-9	VLFEM Profiles South Grid, Annapolis
P82004-10	VLFEM Fraser Filter Contours South Grid, Seattle
P82004-11	Magnetic Interpretation Map South Grid

APPENDIX I

Technical Data Statement

APPENDIX II

Instrument Specifications

Introduction

The survey area consists of two claim groups. The south claim group contains 12 claims while the north claim group covers a six claim area. The north claim group is approximately 1 200 metres north of the south group. Geophysical surveys involved coverage with a magnetometer and VLF electromagnetic unit. Details and specifications of the surveys are contained in the technical data statement, Appendix I.

Location and Access

The claims lie in the northeast corner of Barnet Township Concession IV lots 1 and 2 and Concession V north half, lot 1. Two claims on the east side of the north group lie in Thackeray Township. Barnet Township is 25 km north of Kirkland Lake.

Access to the claim groups is via highway 101 from Matheson. A logging road on the south side of the highway occurs approximately 19 km east of the Holtyre highway #572 turnoff. From the highway it is approximately 15 km by gravel road to a point approximately 2 km east of the Barnet Thackeray Township boundary, Concession V. Trails lead in to the south claim group a distance of about 3,5 km. A tieline has been cut north along the approximate township boundary to connect with the north claim group.

Geology

The geology of the area and claims is described in a separate assessment report, Brinco Document #G82004 which should be referred to for detailed geological information. The claims are underlain by tholeitic mafic volcanic flows which are intruded by syenitic rocks. Except for the eastern part of the south claim group rock exposure is very limited.

Previous Work

The last recorded ground exploration work on the property was performed by Dominion Gulf in 1950. This work consisted of trenching, magnetometer surveys, geological mapping and drilling of four holes totalling 615 metres in the south claim group and four holes totalling 618 metres in the vicinity of the north claim groups two of which fall within the survey area.

Survey Parameters

Magnetometer

Two proton magnetometers were used for the survey as a malfunction in one necessitated replacement by a second, half way through the survey. The second instrument was read on selected stations occupied by the first so that an accurate tie-in to the original work was possible. Base stations were established along the baselines of each grid as indicated on the base maps of the magnetometer surveys. Base station survey loops did not exceed two hours in duration. Line spacing was 100 metres and station spacing was 25 metres for the north grid and 12,5 metres for most of the south grid. The total number of stations established was 1 591 and 401 for the south and north grids respectively. Specifications of the instruments are contained in Appendix II.

The corrected magnetic values are plotted on maps #P82004-1,3 at a scale of 1:2500 and the magnetic contour maps are shown on maps P82004-2,4. The contour interval is 200 nanotesla.

Electromagnetic

The VLF electromagnetic survey was read at a 25 metre station interval using two transmitting sources at Seattle, Washington and Annapolis, Maryland. The dip angle of the field was read using a Crone RADEM Unit (see Appendix II for specifications) and values were plotted in profile form on maps P82004-5,8 for the Seattle transmitter and maps P82004-6,9 for the Annapolis transmitter. The results for the Seattle transmitter source were Fraser filtered, plotted and contoured as shown on maps P82004-7,10. All maps are at a scale of 1:2 500.

A total of 833 stations with two readings each were occupied in the south grid and 396 stations on the north grid.

South Grid

Results

Magnetic Survey (Maps P82004-3,4)

Magnetic amplitudes on the property varied between 58 000 nanotesla (nT) and 66 000 nT with a few values below and above these ranges. The south and eastern two-thirds of the grid is dominated by alternating negative and positive narrow linear trends. In the west half of this zone the strike is east west but changes more to an east northeast direction towards the eastern grid boundary. The northern boundary of this high sharp relief zone is marked by a sharp negative zone running from line 105E to 116E. Surrounding these linear trends to the north, west, and southeast the contour pattern broadens becoming very smooth and regular. In the north-west corner of the grid two pseudo-circular features with very smooth broad contours and magnetic amplitudes of over 3 000 nT are present. These two anomalies abruptly end on line 105E and become a much narrower elongated anomaly trending eastward and eventually dissipating to background values on line 113E.

In the southwest corner, the high amplitude linear complex described previously, terminates at 104E and is replaced by a broad negative feature which is enclosed by a circular high amplitude belt to the west. This belt itself is surrounded to the north, west and south by background values. Parts of the negative feature on lines 102E and 103E between 101+50N and 104+50N appear to interfinger with the high amplitude linears zones to the east.

Electromagnetic Survey (Maps P82004-8,9,10)

Generally weak broad dip angle crossover responses were measured by both VLF surveys using Seattle and Annapolis stations. Where sharp gradients did occur, the response was asymetrical or totalling dipping in one direction as seen in the north central part of the Annapolis results and especially evident in the same region for the Seattle results on lines 105E to 108E at about 109N. The relatively low smooth gradient of the Seattle dip angle responses produces weak Fraser filtered responses throughout the survey grid. Exceptions are the zone mentioned previously which trends from 105E to 111E and a partially detected horizon at the top end of lines 112E to 116E. In spite of the poor coupling of the Annapolis transmitting field direction with features indicated by the Seattle station results, there is a reasonably good correlation between the two responses and their location.

Conclusions

The magnetic survey has defined a great deal of structural and geological information. The high amplitude magnetic linear zones no doubt reflect the high magnetite content of the tholeitic basalt flows which outcrop in this area. Broader contour patterns probably represent thicker overburden cover especially to the north. The negative amplitude zone boundary to the north may be a later stage mafic flow introduced when the magnetic poles were reversed or more likely the low may only represent non magnetic felsic volcanics or sediments. The broad high amplitude complex in the northwest corner of the grid may be a deep seated intrusive complex or deeply buried mafic flows related to another sequence of geological events.

The pseudo-circular low amplitude to negative zone to the south and west is suspected to be a syenite intrusion. Significant intersections of syenite were encountered in the Dominion Gulf drill holes to the east of this zone. From the noticeable anomaly terminations and interruptions there appears to be numerous cross cutting fold and fault structures within the mafic flow complex. The most striking cross cutting feature occurs between lines 103E and 104E and appears to correlate with severe magnetic anomaly interruptions and amplitude changes. This major break is associated with:

- (a) the boundary between the mafic volcanics and postulated syenite body between lines 103E and 104E from 101+50N to 103+50N,
- (b) a possible displacement of the magnetic expression of the syenite itself, and
- (c) the abrupt change in amplitude and dual anomaly characteristics of the feature in the northwest corner of the grid. The structural interpretation of the magnetic survey is shown in map P82004-11.

The VLF surveys failed to specifically identify any conductive features that may be related to the geological structures as indicated by the magnetic interpretation map. The higher amplitude VLF responses generally appeared to be sub-parallel to the geological strike. The asymetrical nature of most of the stronger responses and the fact that these responses occurred for both transmitter directions at right angles to each other, suggests that conductive overburden or topography may be contributing to the VLF responses.

Recommendations

Known associations of gold occurrences with syenite intruded mafic volcanics coupled with assayable gold values in two of the holes drilled by Dominion Gulf, suggests that this grid area warrants further investigation. Based on the magnetic information, the prime target zone is in the region of 103+50E from 101+50N to 104N. Here, the magnetics suggest that the syenite complex to the west is intruding the mafic flow structures trending from the east. The relationship and significance of the interpreted fault, which is also present in this region, to potential ore emplacement is unknown. Detailed magnetic surveys are suggested in the region of the interpreted syenite complex as an aid to further geological investigations.

North Grid

Results

Magnetic Survey (Maps P82004-1,2)

The magnetic amplitudes on this grid vary from about 58 500 nT to 60 500 nT. The north two-thirds of the grid is magnetically flat except for a weak linear magnetic dual complex trending north northwest from about 113+50E at 131N to the top end of line 111E at 136N. This feature marks a change in background from about 58 600 nT on the west side to 59 200 nT on the east side of the feature.

The extreme southern portion of the grid contains a series of narrow linear high amplitude anomalies trending east northeast which are intersected by the north northwest feature described previously.

Electromagnetic Survey (Maps P82004-5,6,7)

The VLF survey results using both Seattle and Annapolis transmitters are much the same as encountered on the south grid characterized by broad slowly varying dip effects with asymetrical crossover responses. An exception occurs for some of the results of the Seattle station source as seen on the Fraser filter maps P82004-7. A very high amplitude maximum response of 74 is present on line 113E at 130N. The response weakens east and west of this line forming a semi arcuate shape. A weaker conductor axis is also present to the north and parallel to this zone running from line 119E at 130+50N to line 112E at 132+50N. Other weak but significant anomalies occur on lines 118E/119E at 133N, 117E at 128+50N, 115E at 135+50N and 110E at 131N. In a general sense most of the conductive responses occur east of the north northwest magnetic lineament described previously and/or in association with th high amplitude magnetic zone to the south.

Conclusions

A major fault or contact zone trending north northwest appears to dominate the regional magnetics. Some narrow dykes may also be associated with this "contact". Most of the conductors as outlined by the VLF survey, occur east of this zone. The lower magnetic area to the west may reflect a felsic intrusive source. The higher narrow linear magnetic zones at the extreme south edge of the grid probably relate to more mafic volcanic flows. Some of the VLF responses are associated with drainage features and the highest amplitude anomaly is coincident with a beaver pond and wide meadow. Lack of similar associations with surface features in the west half of the grid however, suggests that most of the VLF features may relate to bedrock contacts or shear/fault sources. The relationships of the VLF conductor axes and the magnetic anomaly amplitude and shape characteristics further supports bedrock source effects.

Two drill holes by Dominion Gulf collared at approximately 113E at 129+25N (hole #2) and 112+50E at 131+75N (hole #1) bearing grid north encountered mafic volcanics, syenite and felsic intrusives. Hole #1 also encountered diabase. This latter intersection supports the suggestion of dyke sources causing part of the north northwest trend response in the vicinity of hole #1. Hole #2 intersects a local magnetic low area which may represent the syenite encountered in the hole. The borehole also tests the strong VLF anomaly on line 113E. Unfortunately detailed logs of the hole are not available to check if the EM anomaly is related to a major fault or shear zone.

Recommendations

The anomalous areas of possible interest have been tested by two boreholes. Unfortunately detailed information and assays from these holes are not presently available. Further investigation of this area is probably warranted if additional work recommended for the south grid is performed. Detailed magnetic surveys along the north northwest "contact" horizon is suggested especially in the vicinity of the previous boreholes.

CERTIFICATE

- I, Roderick W. Woolham of the town of Pickering, Province of Ontario, do hereby certify;
- That I am a geophysicist and reside at 1463 Fieldlight Blvd., Pickering, Ontario, LIV 2S3.
- 2) That I graduated from the University of Toronto in 1961 with a degree of Bachelor of Applied Science, Engineering Physics, Geophysics Option.
- 3) That I am a member of the Association of Professional Engineers of the Province of Ontario (Mining Branch).
- 4) That I have been practicing my profession for a period of more than 20 years.
- 5) That I am retained by Brinco Mining Limited.
- 6) That I personally was involved with the technical supervision of the survey and wrote the report.

Date Jan 21/83

R. W. Woolham B.A.Sc. P. Eng.

Molhe



Ontario

Township or Area__

Type of Survey(s) Magnetic and Electromagnetic

Barnet, Thackeray

Ministry of Natural Resources

File_____Appendix I

MINING CLAIMS TRAVERSED

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

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

Claim Holder(s) Brinco Mining Ltd.	List numerically
Survey Company Hill, Goettler, De Laporte Ltd. Author of Report R. W. Woolham P. Eng.	(prefix) (number)
Address of Author 20 King St. West, Toronto, Ont. M5H 1C4 Covering Dates of Survey May 21, 1982 to June 16, 1982	636987
Covering Dates of Survey May 21, 1982 to June 16, 1982 (linecutting to office) Total Miles of Line Cut 32.7 Kilometres	636938
Bergerande established in the residence and the stability of the stability	636989
SPECIAL PROVISIONS CREDITS REQUESTED Combusical per claim	636990
Geophysical -Electromagnetic 40	636991
ENTER 40 days (includes line cutting) for first —Magnetometer 20	636992
survey. —Radiometric	636995
ENTER 20 days for each —Other additional survey using Geological	636996
same grid. Geochemical	636997
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	636998
Magnetometer Electromagnetic Radiometric (enter days per claim)	636999
DATE: fan 21/83 SIGNATURE: Rywoodle Author of Report or Agent	637000
Appeter of Acport of Agent	637001
Par Carl (3.17/8)	637004
Res. Geol. QualificationsQualificationsQualifications	637005
File No. Type Date Claim Holder	637006
	637007
	637024

	TOTAL CLAIMS 18
337 (6/79)	

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey Number of Stations Mag 1992, VLF1229 Number of Readings Mag 1992, VLF2458 Station interval 12.5 to 25 metres Line spacing 100 metres Profile scale $\frac{1 \text{ cm} = 10^{\circ}}{}$ Contour interval 100 and 200 for Mag, VLF Fraser Filter = 10 Instrument Total Field (See Appendix II for Details) Accuracy - Scale constant _____ Diurnal correction method Base Station tie-ins Base Station check-in interval (hours) 1.5 Base Station location and value ___ On Baselines as shown on P82004-1 and P82004-3 value maps. Instrument VLF (See Appendix II for Details) Coil configuration _____ Coil separation ______ Accuracy ______ Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line Frequency Annapolis, MD. and Seatle, Washington (specify V.L.F. station) Parameters measured Dip angle of secondary field Instrument ______ Scale constant Corrections made_____ Base station value and location _____ Elevation accuracy. Instrument _____ ☐ Frequency Domain Parameters - On time ______ Frequency _____ - Off time ______ Range _____ - Delay time _____ - Integration time Power _____ Electrode array Electrode spacing Type of electrode

APPENDIX 2

INSTRUMENT SPECIFICATIONS



SGINTIPEX

Partific or Bree Settor 1963

features c

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.



四年終 a world of discovery

TECHNICAL DESCRIPTION OF MP-2 MAGNETOMETER



।इसेक्टरवेश्टर वर्गी रविधेर

Control of the Ballion

1 Gamma.

± 1 Gamma over full operating range.

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

Single reading — 3.7 seconds. Recycling feature permits automatic repetitive readings at 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 base-station recording using interfacing optionally available from Scintrex.

Up to 5000 gammas/metre.

8 alkaline "D" cells provide 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 staff or back pack sensor.

-35°C to +60°C.

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

Sensor: 80 x 150mm.

Staff: 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,
Concord, Ontario, Canada L4K 1B5
TELEPHONE (416) 669-2280, TELEX 06-964570

geoMetrics

Remote Sensing and Interpretation

PORTABLE PROTON MAGNETOMETER MODEL G-816

Tiota/Tribe Sheet
XXMXXXXXXXX
June 1974

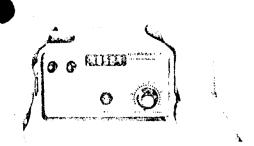


- ★ XXXXX complete \$2600
- ★ 1 gamma sensitivity and repeatability
- Very small size and weight: less than 12 lbs complete with battery and sensor
- ★ Over 10,000 readings per set of alkaline "D" cell (flashlight) batteries
- ★ Simplified operation numeric display directly in gammas
- ★ Total field measurements no calibration—independent of orientation

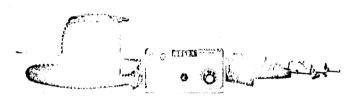
The Model G-816 is a complete portable magnetometer for all man-carry field applications. As an accurate yet simple to operate instrument, it features an outstanding combination of one gamma sensitivity and repeatability, compact size and weight, operation on standard universally available flashlight batteries, ruggedized packaging and very low price.

The G-816 magnetometer allows precise mapping of very small or large amplitude anomalies for ground geophysical surveys, or for detail follow-up to aeromagnetic reconnaisance surveys. It is a rugged, light-weight, and versatile instrument, equally well suited for field studies in geophysics, research programs or other magnetic mapping application where low cost, dependable operation and accurate measurements are required.

For marine, airborne or ground recording systems consider GeoMetrics Models G-801, G-803, and G-806.



Based upon the principle of nuclear precession (proton) the G-816 offers absolute drift-free measurements of the total field directly in gammas. (The Proton precession method is the official recognized standard for measurement of the earth's magnetic field.) Operation is worldwide with one gamma sensitivity and repeatability maintained throughout the range. There is no temperature drift, no set-up or leveling required, and no adjustment for orientation, field polarity, or arbitrary reference levels. Operation is very simple with no prior training required. Only 6 seconds are required to obtain a measurement which is always correct to one gamma, regardless of operator experience. Only the Proton Magnetometer offers such repeatability—an important consideration even for 10 gamma survey resolution.



Complete Field Portable System

The Model G-816 comes complete, ready for portable field operation and consists of:

- 1. Electronics console with internally mounted and easily replaced "D" cell battery pack.
- 2. Proton sensor and signal cable for attachment to carrying strap or staff.
- Adjustable carrying strap.
- 4. 8 foot collapsible staff.
- 5. Instruction manual, complete set of spare batteries, reusable shipping container.

All magnetometers and parts are covered by a one year warranty beginning with the date of receipt but not to exceed fifteen months from the shipping date.

SPECIFICATIONS

Sensitivity:

±1 gamma throughout range

Range:

20,000 to 90,000 gammas (worldwide)

Tuning:

Multi-position switch with signal amplitude indi-

cator light on display

Gradient

Tolerance:

Exceeds 150 gammas/ft

Sampling Rate:

Manual push-button, one reading each 6 seconds

Output:

5 digit numeric display with readout directly in

gammas

Power

Requirements:

Twelve self-contained 1.5 volt "D" cell, universally available flashlight-type batteries. Charge state or replacement signified by flashing indi-

cator light on display.

Battery Type	Number (of Readings
Alkaline	over	10,000
Premium Carbon Zinc	over	4,000
Standard Flashlight	over	1,500
NOTE: Battery life decr	eases with	temperature

Temperature Range:

Console and sensor: -40° to +85°C

0° to+50°C (limited use Battery Pack:

to -15°C; lower tempera-

ture operation-optional)

Accuracy (Total Field): ±1 gamma through 0° to 50°C temperature

Sensor:

High signal, noise cancelling, interchangably

mounted on separate staff or attached to carry-

ing harness

Size:

Console: 3.5 x 7 x 10.5 inches (9 x 18 x 27 cm)

Sensor: 4.5 x 6 inches (11 x 15 cm) Staff: 1 inch diameter x 8 ft length

(3 cm x 2.44 m)

Weight:

Lbs. Kgs. Console (w/batteries): 2.4

Sensor & signal cable: Aluminum staff:

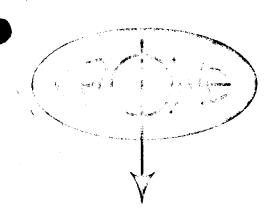
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PRICE:

Complete Field System . \$2600.00 . . . \$2300000 X

EXPLORANIUM

DIVISION OF **geoMetrics** SERVICES (CANADA) LTD

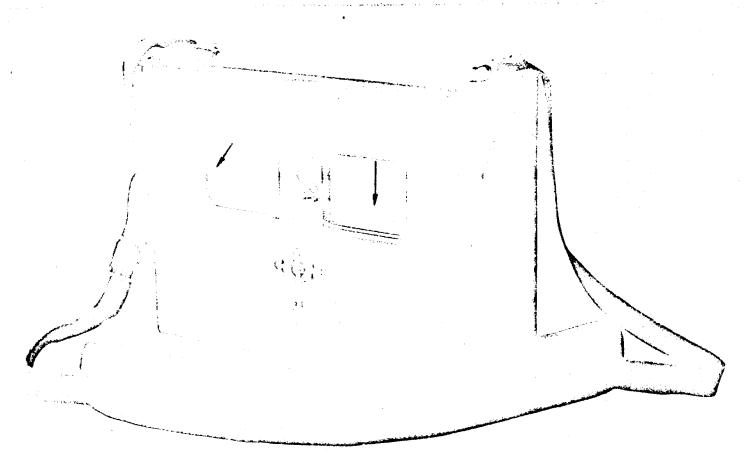


CRONE GEOPHYSICS LIMITED

979 LAKESHORE ROAD E. PORT CREDIT, ONTARIO CANADA

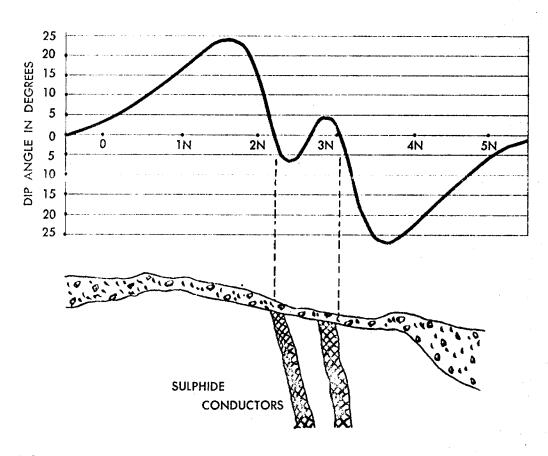
Phone: 274-3704

An EM Radio Receiver Utilizing The 12 to 24 Milocycle United States Naval Communications Broadcast 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 the CHECKING OUT OF MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting DISSEMINATED SULPHIDE DEPOSITS and SMALL SULPHIDE BODIES. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH HYDRO NOISE. The method is capable of deep penetration but due to the high frequency used it is affected by clay and conductive overburden. Anomalies detected in such areas should be checked with other methods before drilling.

imple of a RADEM traverse over a Banded Conductor in the Timmins area of Ontario.



SPECIFICATIONS

READOUT — Dip angle of resultant VLF magnetic field component from an inclinometer of ± ½ degree sensitivity

NULL

INDICATOR — Both audio (loudspeaker) and visual by means of an averaging field strength meter

TUNING — Preset switch tuning

BATTERIES — 2 of 9 volt Evercady # 216, independent test indicators

STATIONS — Standard 5 stations — Cutler, Maine 17.8; Scattle, Wash. 18.6; Ft. Collins, Colorado 20.0; Annapolis, Md. 21.4; Balboa, Panama 24.0 KCs.

Optional — N.W. Cape, Australia 15.5; Lualualei, Hawaii 23.4; Rugby, England 16.0 KCs.
 Other stations as they become operational

weight — Receiver — 4 lb. Leather Case — 2 lb. Shipping Weight — 15 lb.

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R. W. Woolham, 20	King St. W., T	oronto,	Ont. M				·	
				Date Certified Dec. 2	/92	Certified by (Signature)	S' 1 4

Geotechnical Report Approval Mm 24/83

P1102.5372

TO SERVICE OF THE PROPERTY.

Mining Lands Co	mments			
	- V.L.F. m	aps need raw	r values.	
To: Geophysics	Mr. Barlour			
Comments	Mr. Barlow. ad raw VLF	data		
Approved	Wish to see again with corrections	July 2	6/83 Douglas	21 K
To: Geology - Ex	penditures	0 7	7	
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Approved	Wish to see again with corrections	Date	Signature	7
To: Mining Land	s Section, Room 6462, Whitney Block.	(Tel: 5-1380)		
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Ministry of Natural Resources

Geotechnical Report Approval

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Mining Lands Co	mments		
	2/20 11/20/20/	La See Vila	filo ageun
To: Geophysics	R. Barlew.		
Comments			
Approved	Wish to see again with corrections	Date Jan 121)	83 Roy The
To: Geology - Ex	kpenditures		
Comments			
		- Andrews	
		Date	Signature 1995
Approved	Wish to see again with corrections		
To: Geochemistr	ТУ		
Comments			
			<u> </u>
Approved	Wish to see again with corrections	Date	Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)



Technical Assessment Work Credits

1	File	
	2.	5372

1983 10 20

Mining Recorder's Report of Work No. A17 417

Recorded Holder	BRINCO MINING LIMIT	ΓED			
ownship or Area	BARNET AND THACKERA	AY	···		
Type of survey ar			Mining C	Claims Assessed	
Assessment days o	redit per claim				,
Geophysical Electromagnetic	40 days		636995 1	to 89 inclusive to 7001 inclusive	
Magnetometer	20 days		637004 1 637024	to 07 inclusive	
Radiometric	days				
Induced polarization	days				
Other	days				•
Section 77 (19) See "Mining					
Geological					
Geochemical	days				
Man days 🗌	Airborne 🗆				ř
Special provision	Ground 🖾	.•	·		
Credits have been recoverage of claims.	educed because of partial				
Credits have been reducto work dates and figure	uced because of corrections res of applicant.				
pecial credits under section	77 (16) for the following n	nining claims			
	20 DAYS ELECTROMAG		AYS MAGNETOM	<u>IETER</u>	
	L 636990 to 92 inc	lusive		•	
					•
No credits have been allowed	d for the following mining c	laims			
not sufficiently covered t		Insufficient technical o	lata filed		
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1983 11 15

2.5372

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE:

Geophysical (Electromagnetic & Magnetometer) Survey on Mining Claims L 636987 et al in the Townships of Barnet and Thackeray

The Geophysical (Electromagnetic & Magnetometer) Survey assessment work credits as listed with my Notice of Intent dated October 20, 1983 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toranto, Ontario M7A 1W3 Phone: 416/965-1380 cc: Brinco Mining Limited 20 King Street West Toronto, Ontario M5H 1C4

cc!
Resident Geologist
Kirkland Lake, Ontario

cc: Brinco Mining Limited 20 King Street West Toronto, Ontario N5H 1CB4

D. Kinvig:sc



10/83

Your file:

417

1983 10 20

Our file: 2.5372

Mr. George J. Koleszar Mining Recorder Ministry of Natural Resources 4 Government Road East P.O. Box 984 Kirkland Lake, Ontario P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

É.F. Anderson

Director

Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3

Phone: 416/965-1316

D. Kinvig:mc

Encls:

cc: Brinco Mining Limited 20 King Street West Toronto, Ontario M5H 1C4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Notice of Intent for Technical Reports

1983 10 20 2.5372 / 417

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



MINING LIMITED

RECEIVED TELEPHONE: (416) 868-6970 Land Management Branch LINE NO. 868- CIRCULATE TELEX NO. 065-24689 BY
AUG 19 1983
E. F. ANDERSON J. R. MORTON
J. C. SMITH
G. SHERMAN
J. M. SMALL RETURN TO R.6450

Dear Sir:

M7A 1W3

Toronto, Ontario

Re: Your file 2.5372 and letter of August 8, 1983

Please find enclosed VLF EM maps with additional values as requested. All further correspondence should be directed to Mr. A. Burgoyne in Vancouver.

Yours truly,

RECEIVED

AUG 1 9 1983

R. W. Woolham, P. Eng.

MINING LANDS SECTION

RWW/ml

Enclosures

c.c. Mr. A. Burgoyne
704 - 602 West Hastings Street
Vancouver, British Columbia
V6B 1P2

August 8, 1983

Brinco Mining Limited 20 King Street West Toronto, Ontario M5H 1C4

Attention: Mr. R. Woolham

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer) Survey submitted on Mining Claims L 636987 et al in the Townships of Barnet and Thackeray

Enclosed are the VLF Electromagnetic profile plans, in duplicate. Please show the actual readings at each station, and return all the maps to this office.

For further information, please contact Mr. F.W. Matthews at (416)965-1380.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (@16)965-1380

D. Kinvig:nc

Encl.

cc: Mining Recorder
Kirkland Lake, Ontario

2.5372

2.5372

1983 02 10

Mining REcorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario

Dear Sir:

P2N 1A2

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 636987 et al in the Townships of Barnet and Thackeray.

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

Yours very truly,

E.F. Anderson Director Land Management Branch

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

DW:sc

cc: Brinco Mining Cimited 20 King Street West Toronto, Ontario M5H 1C4 Attn: R. Woolham.



20 KING STREET WEST, TORONTO, ONTARIO M5H 1C4

TELEPHONE: (416) 868-6970 NIGHT LINE NO. 868-

TELEX NO. 065-24689

REGISTERED

RECE! LES
MINING LANDS SECTION

January 24, 1983

Mr. Fred W. Matthews Land Management Branch Whitney Block, Room 6452 Queen's Park Toronto, Ontario M7A 1W3

Dear Mr. Matthews:

Enclosed are reports in duplicate on geophysical surveys in Barnet and Thackerey Townships on claims listed on the attached copy of the report of work form as acknowledged December 6, 1982.

We wish to apply for 1,080 days credit on 18 claims under the special provision section of the Ontario Mining Act.

Yours truly,

R. W. Woolham

Project Geophysicist

R. H. Hoolha

RWW/ml

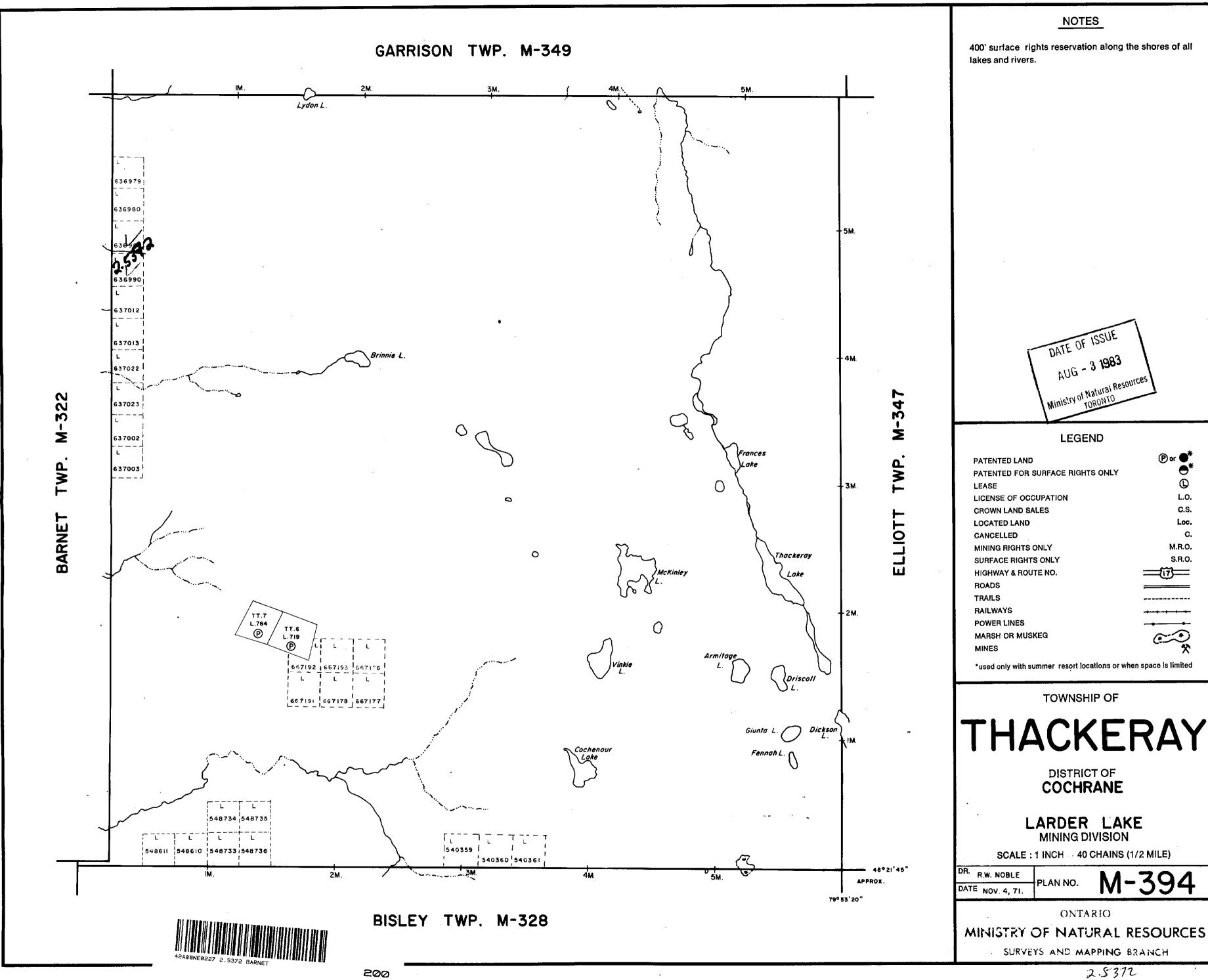
Enclosures

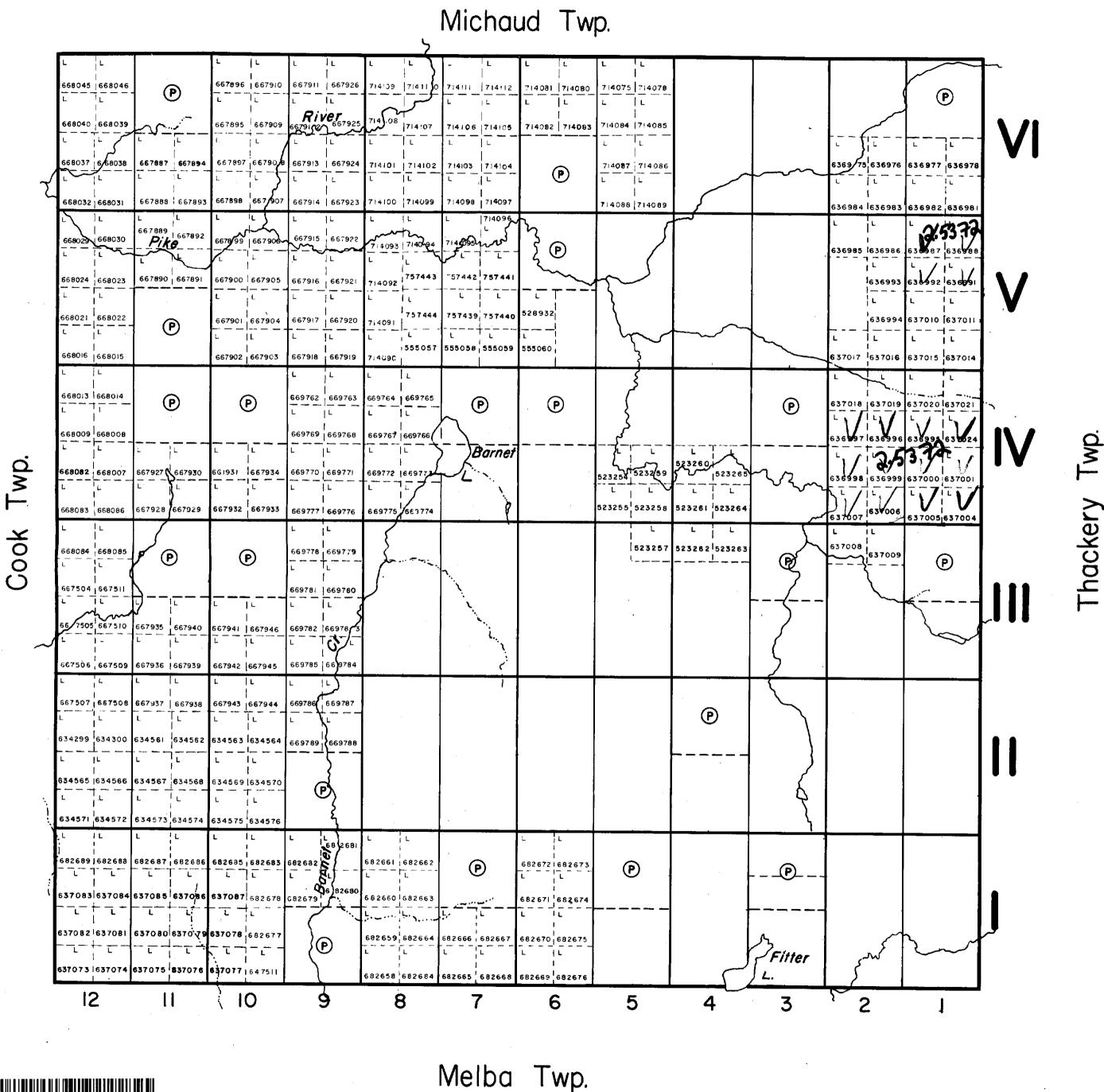
c.c. Mr. K. B. McHale

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THE TOWNSHIP
OF

BARNET

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE: I-INCH= 40 CHAINS

LEGEND

PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES



NOTES

400' Surface rights reservation around all lakes and rivers.



Brinco Sile

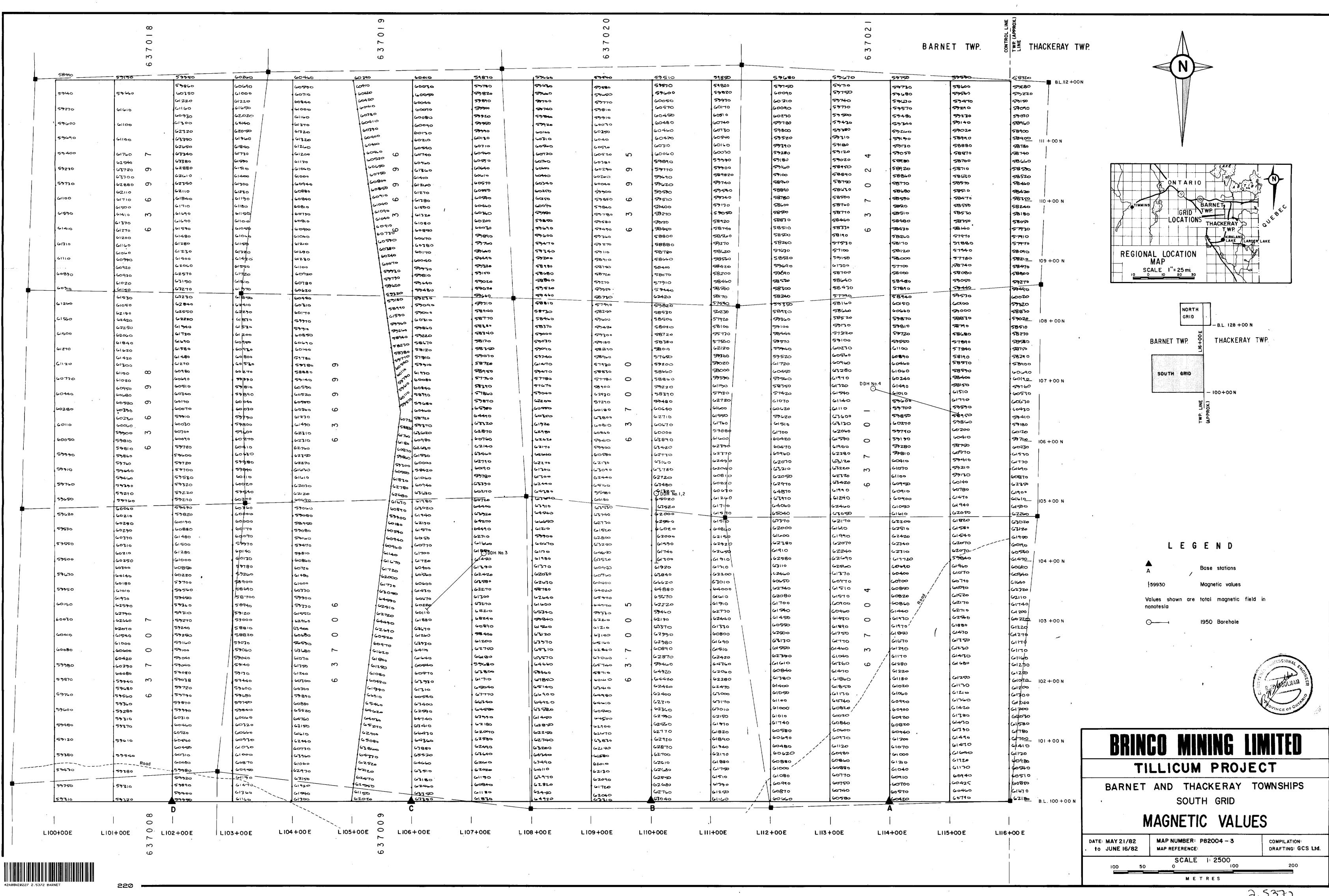
PLAN NO.- M. 322

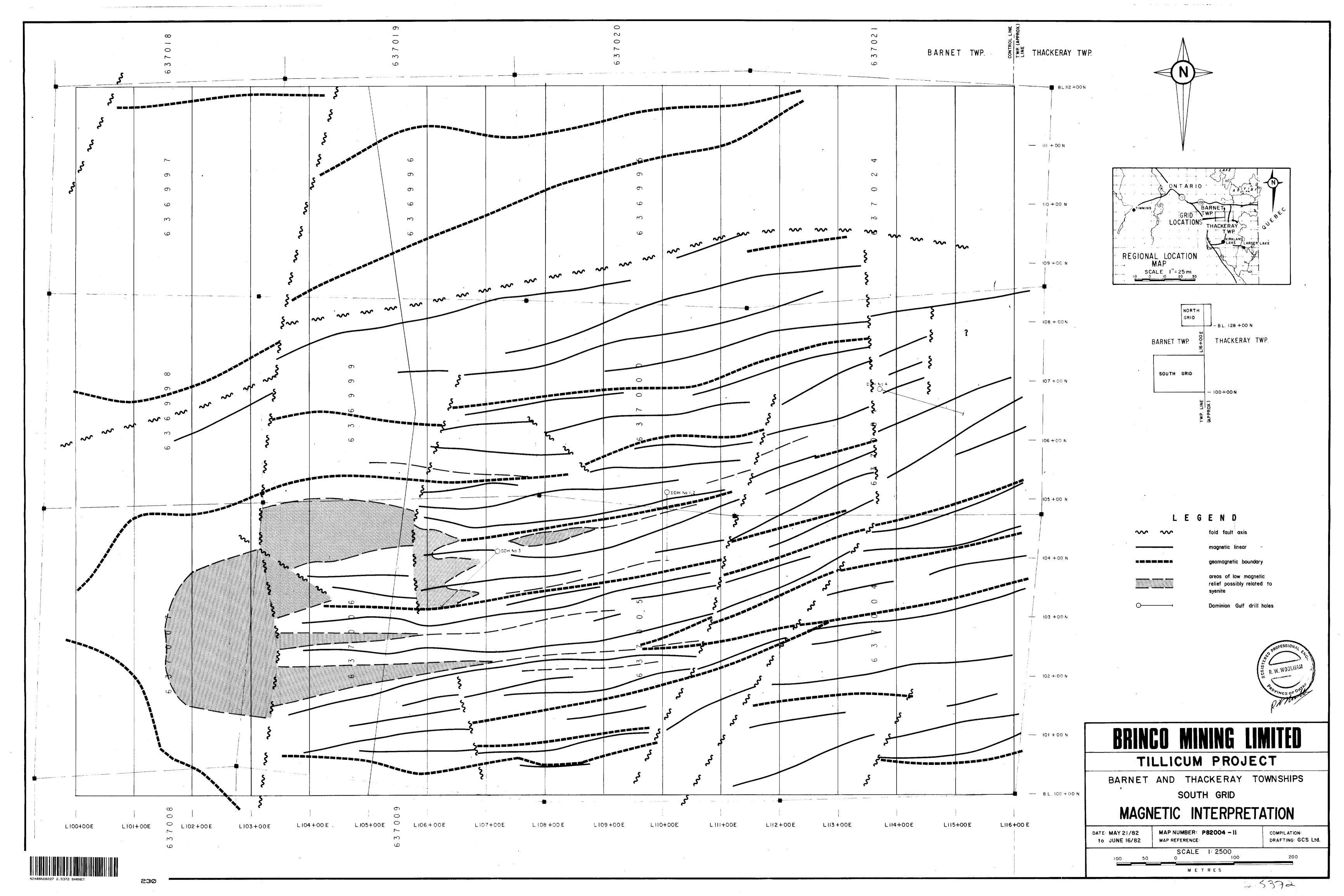
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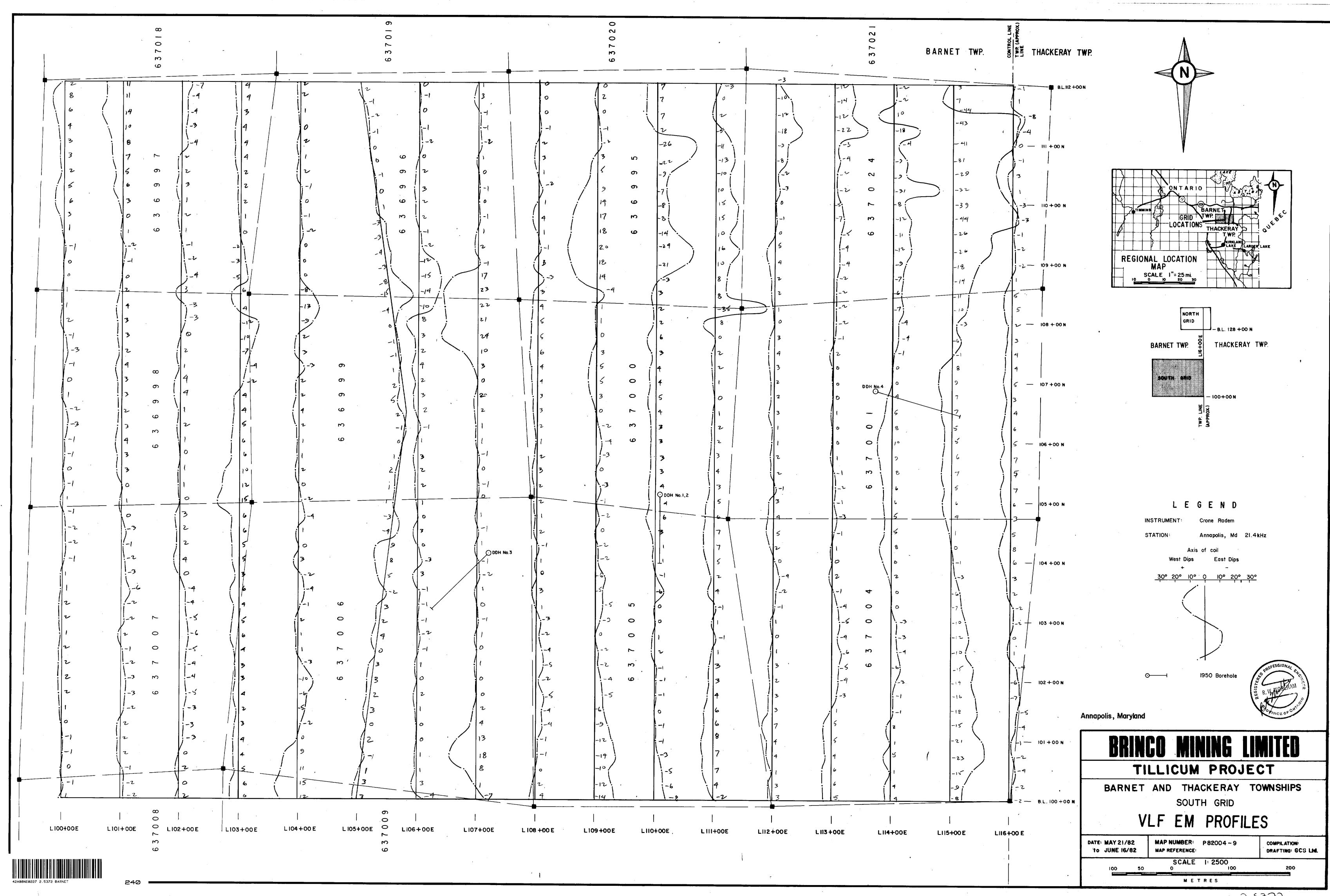
MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

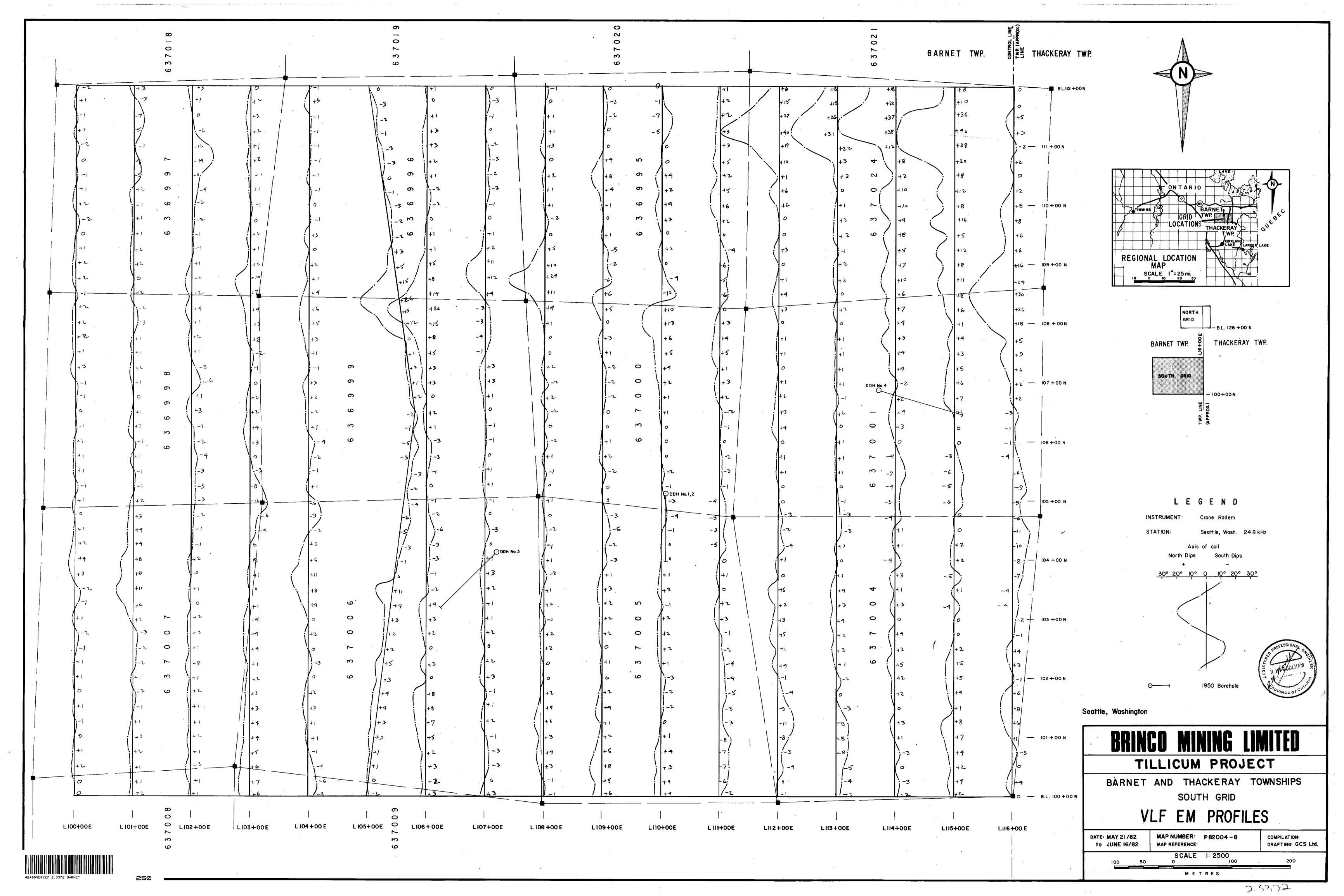


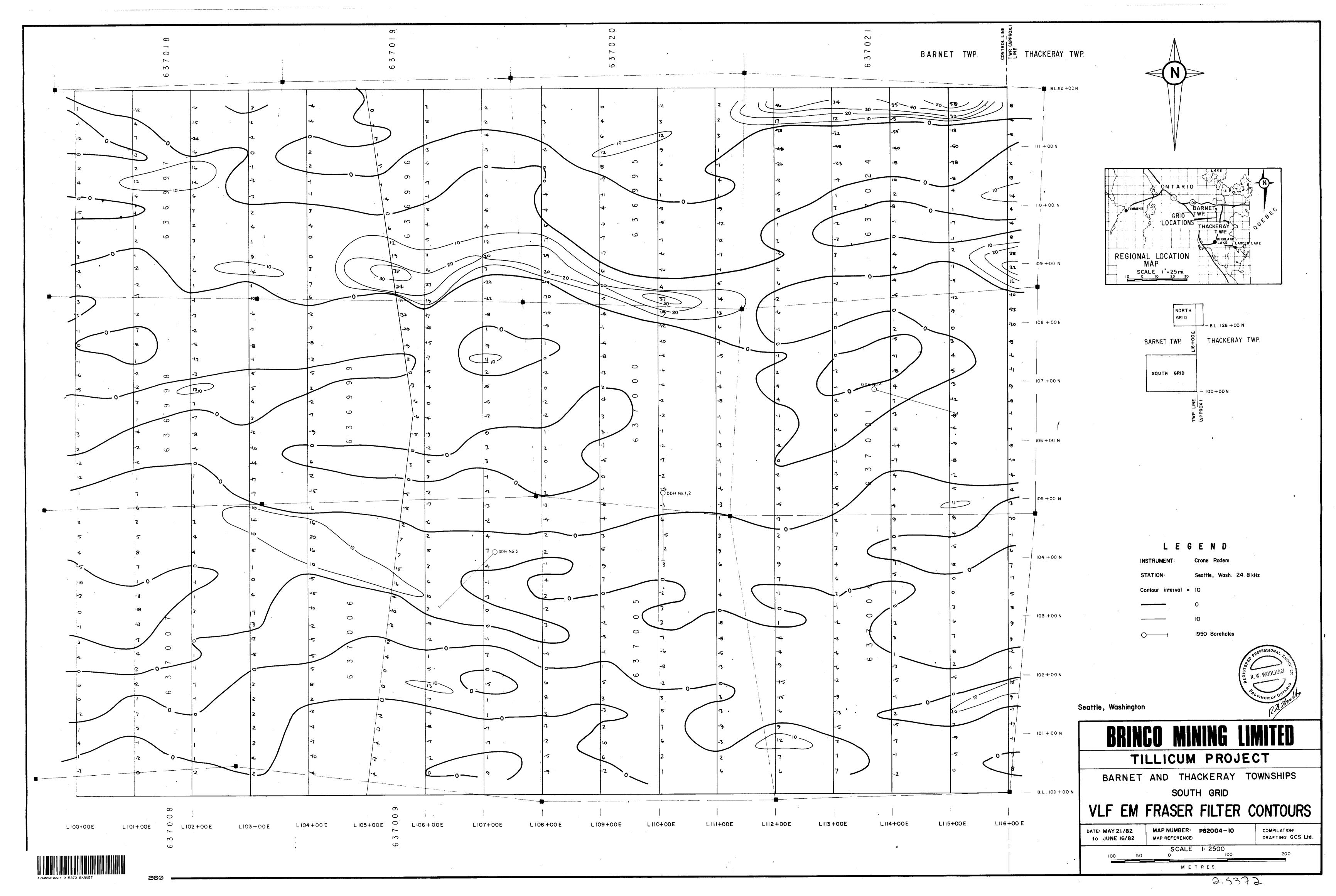


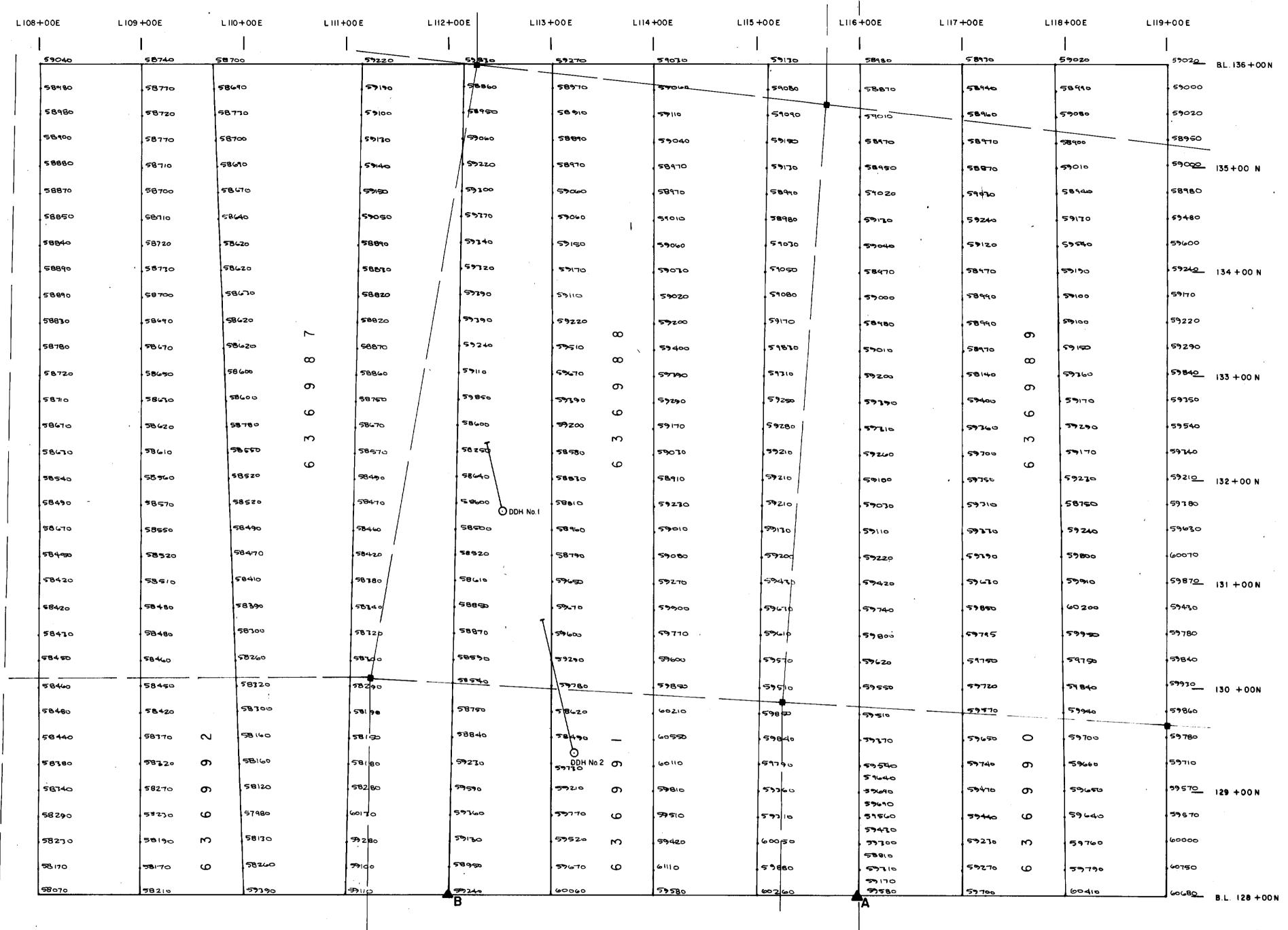


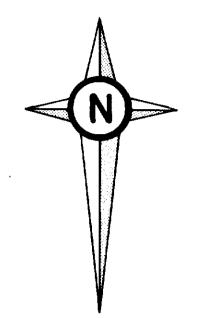


2.5372









LEGEN

Base

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alues shown are total magnetic field ir anotesla

---- 1950 Borehole



BRINCO MINING LIMITED

TILLICUM PROJECT

BARNET AND THACKERAY TOWNSHIPS

NORTH GRID

MAGNETIC VALUES

DATE: MAY 21/82 MAP NUMBER: P82004 - 1 COMPILATION: DRAFTING: GCS Ltd.

100 50 0 100 200

M E T R E S

BARNET TWP.

SOUTH GRID

SOUTH GRID

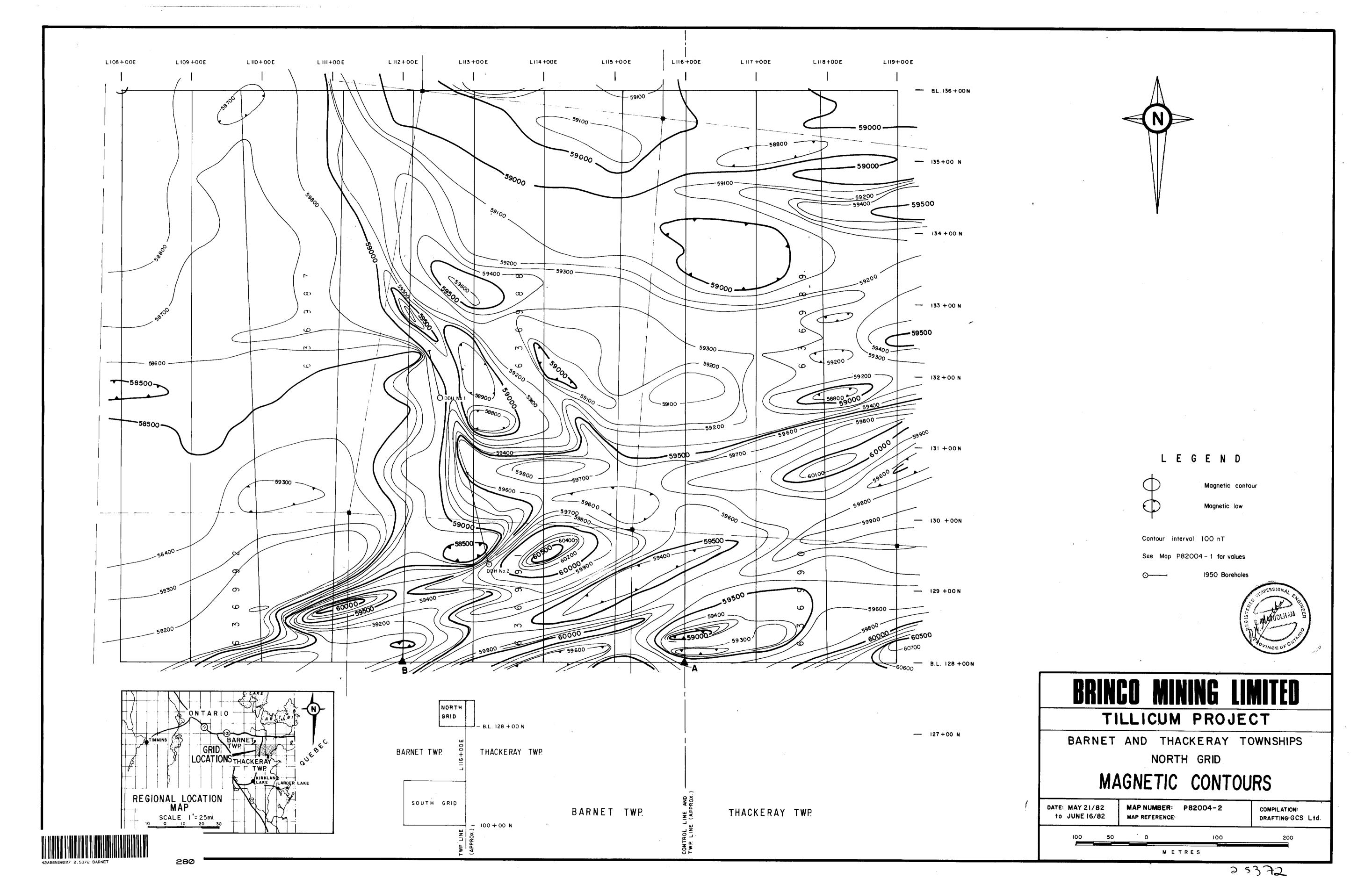
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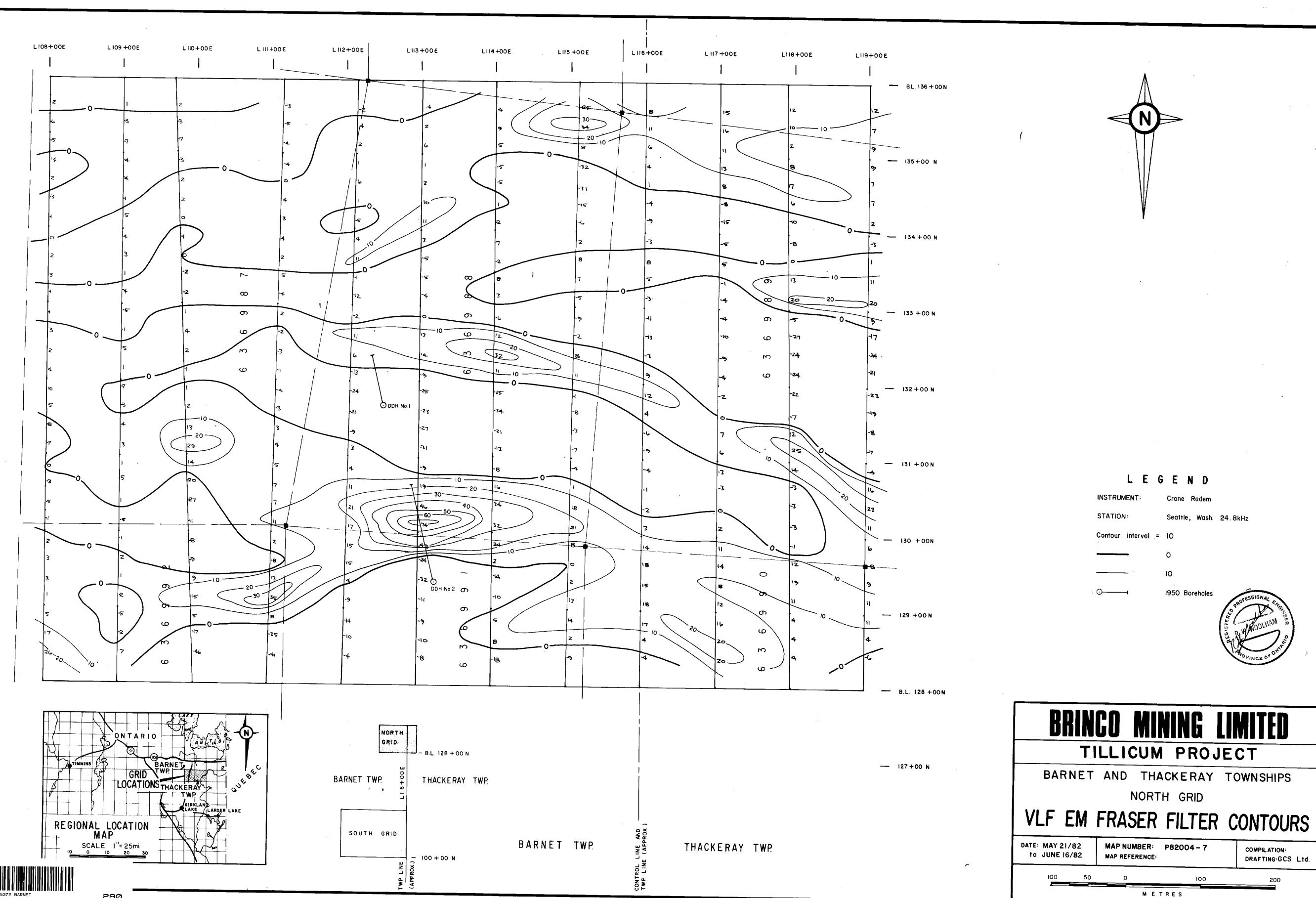
THACKERAY TWP.

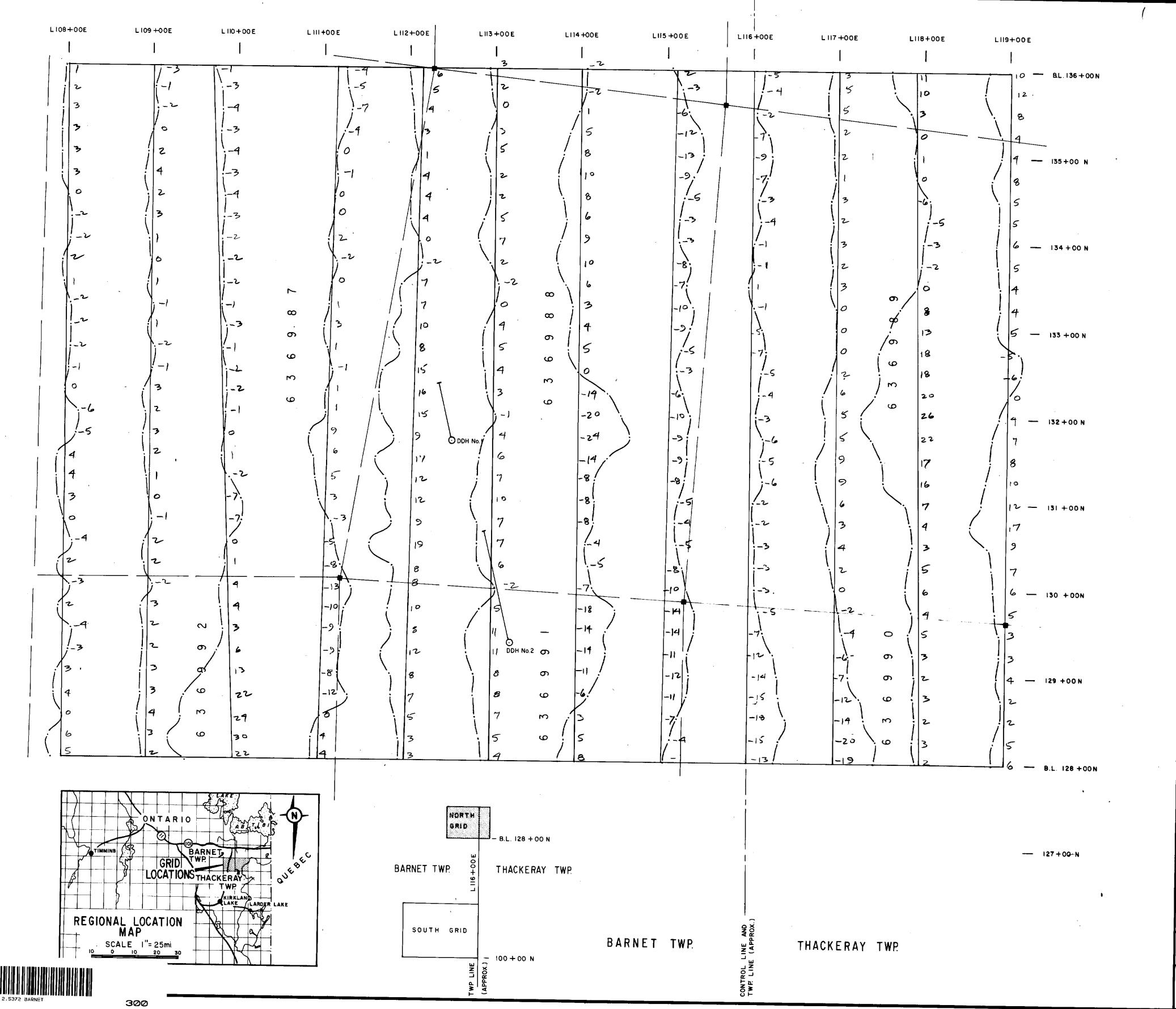
BARNET TWP.

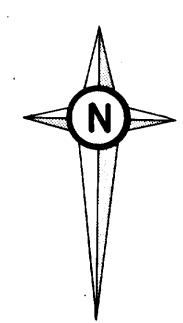
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INSTRUMENT:

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→ 1950 Borehole

Annapolis, Maryland

BRINCO MINING LIMITED

TILLICUM PROJECT

BARNET AND THACKERAY TOWNSHIPS

NORTH GRID

VLF EM PROFILES

DATE: MAY 21/82 MAP NUMBER: P82004 -6 COMPILATION: MAP REFERENCE: DRAFTING: GCS

NE 16/82 MAP REFERENCE: DRAFTING: GCS Ltd.

