

**VTEM SURVEY  
FOR  
WALLBRIDGE MINING COMPANY  
SULTAN AREA, ONTARIO**

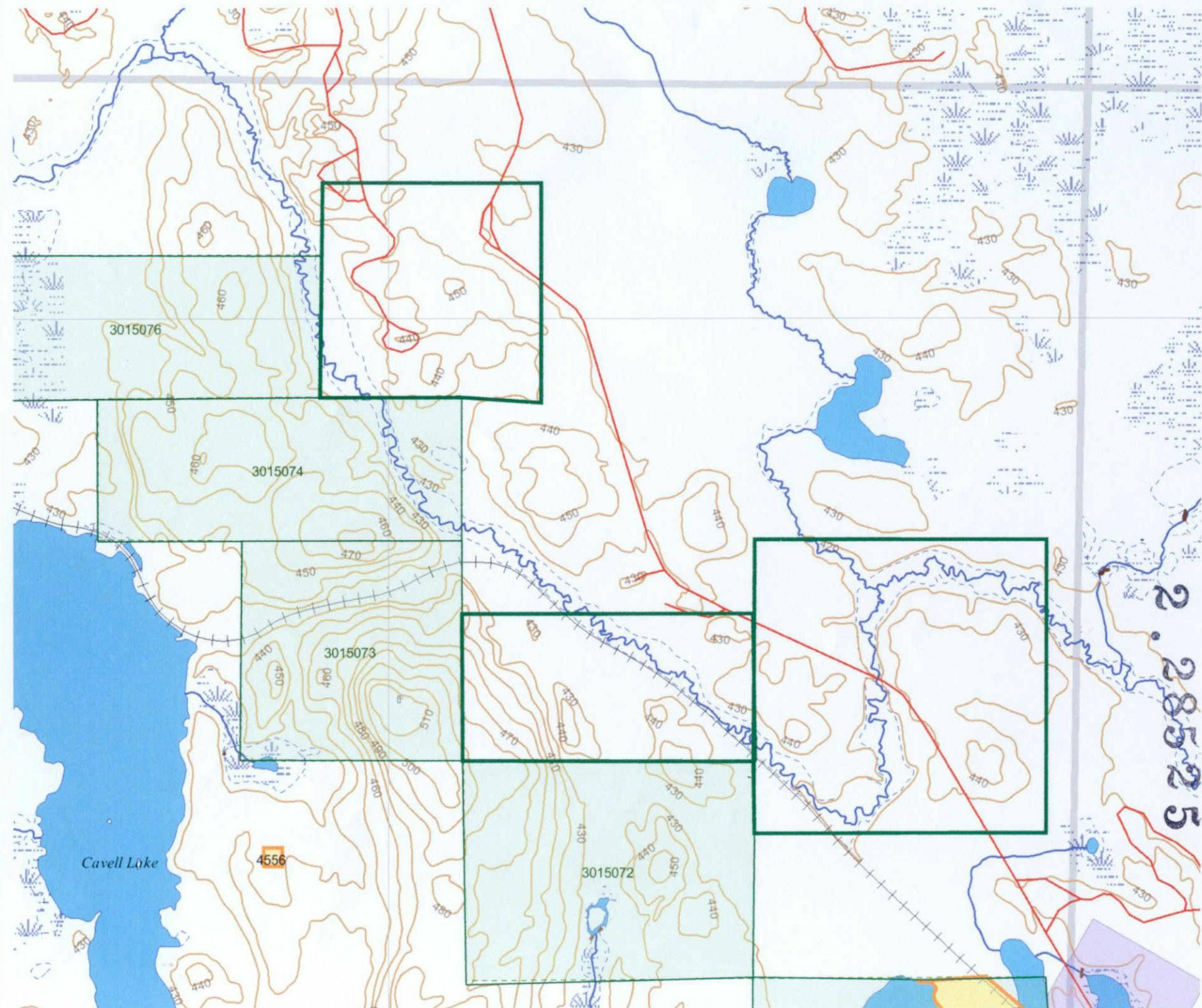
**SEPTEMBER 2004**

**Project 461**

Geotech Ltd.  
Aurora Ontario  
Canada

Condor Consulting  
Lakewood Colorado  
USA





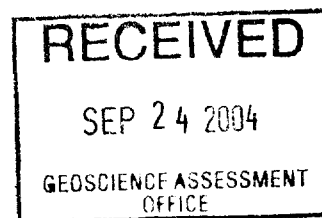
2.28525

**VTEM SURVEY  
FOR  
WALLBRIDGE MINING COMPANY  
SULTAN AREA, ONTARIO**

**SEPTEMBER 2004**

2. 23525

**Project 461**



## **SUMMARY**

This report describes a helicopter-borne geophysical survey carried out in Sultan area, Ontario on behalf of Wallbridge Mining Company Ltd. under an agreement dated July 16 2004. Principal geophysical sensors included a time domain electromagnetic system (**VTEM**) and a cesium magnetometer. Ancillary equipment included a GPS navigation system and a radar altimeter. Total coverage comprised of 761 line-km in two blocks. The survey was flown during the period August 22-29, 2004.

The purpose of the survey was to locate conductive targets that could correspond to nickel-copper-PGE mineralization associated with mafic rocks.



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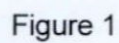
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## 1. INTRODUCTION

A **VTEM** electromagnetic/magnetic survey was flown for Wallbridge Mining Company Ltd., between August 22-29, 2004, 30 km south east of Sultan, Ontario. The location of the flight block is shown in Figure 1 below. Survey coverage consisted of 761 line-km in two blocks, designated Hong Kong 1 & 3. The flight-line spacing was 50 m in the Hong Kong 1 block and 100 m for the Hong Kong 3 block.

The survey employed the Geotech **VTEM** electromagnetic system. Ancillary equipment consisted of a magnetometer, radar altimeter, digital recorder, and an electronic navigation system. The instrumentation was installed in an Aerospatiale AS350 BA<sup>+</sup> turbine helicopter (registration CG-VXH) that was provided by Panorama Helicopters Ltd., Alma Quebec. The helicopter flew at an average airspeed of 90 km/h with an EM sensor height of approximately 40 metres.

Section 2 provides details on the survey equipment, the data channels, their respective sensitivities, and the navigation/flight path recovery procedure.



## 2. SURVEY EQUIPMENT

This section provides a brief description of the geophysical instruments used to acquire the survey data and the calibration procedures employed.

### Electromagnetic System

Model: **VTEM**

Type: Heli-borne, time domain coincident loop design. Layout as indicated in Figures 2 & 3 below.

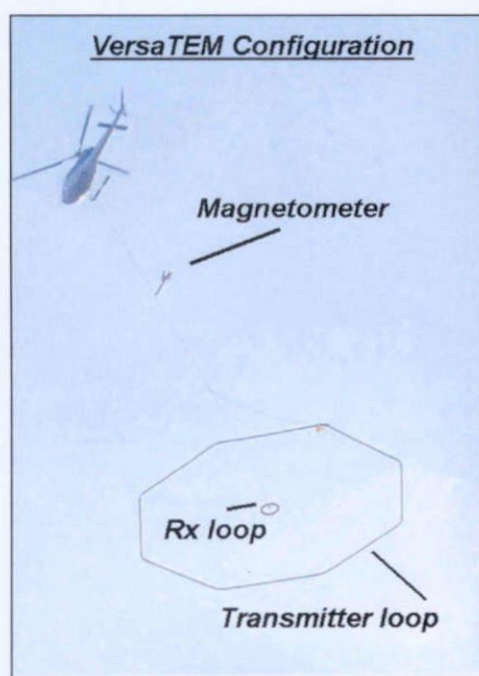


Figure 2

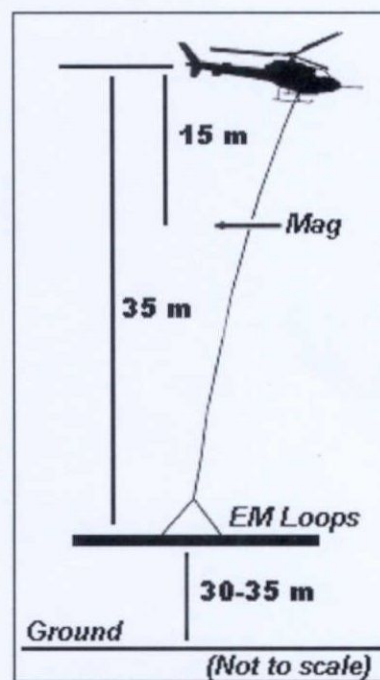


Figure 3

#### Transmitter

Coil Orientation: vertical

Loop diameter: 26 m

Number of turns: 4

Wave form: trapezoid

Pulse width: 7.5 msec

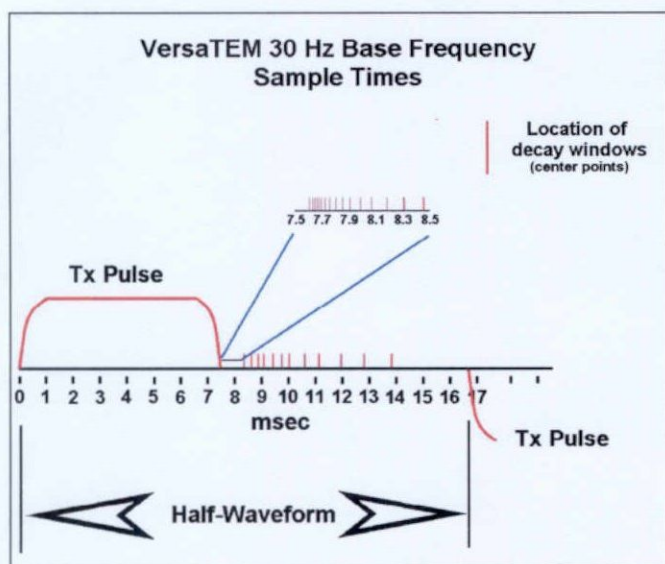


Base frequency: 30 Hz  
Duty Cycle: 40%  
Peak dipole moment: 382,320 Am<sup>2</sup>  
Loop area: 530 m<sup>2</sup>  
Peak current: 180 A

#### Receiver

Coil orientation: vertical  
Loop diameter: 1.1 m  
Number of turns: 100  
Sample rate: 50 kHz  
Interval recorded: 25 off-time channels between 130  $\mu$ s to 6340  $\mu$ s (see Figure 4)  
Band width: 50 kHz  
Spherics noise rejection: Digital; 3 levels  
Industrial noise rejection: Digital 50/60 Hz rejection  
Data recording: PCMCIA Hard drive

#### Transmitter waveform and recording scheme



The transmitter waveform and receiver decay recording scheme is shown diagrammatically to the left in Figure 4.

Figure 4

## Magnetometer

Model: Geometrics G823A sensor  
Geotech Ltd. September 2004

Condor Consulting, Inc.



Type: Optically pumped cesium vapor  
Sensitivity: 0.02 nT  
Sample rate: 10 per second

The magnetometer sensor is housed in a separate bird (see Figures 2 & 3), 15 m below the helicopter.

### **Combined Magnetic/GPS Base Station**

Model: Geotech Base Station  
Magnetic Sensor: Scintrex CS-2  
GPS antenna/card: NovaTel  
Type: Digital recording cesium vapor  
Sensitivity: 0.001 nT  
Sample rate: 1 per second

A digital recorder is operated in conjunction with the base station magnetometer and GPS receiver to record the diurnal variations of the earth's magnetic field. The magnetic records have the GPS time stamp to synchronize them with the airborne system data for the subsequent removal of diurnal drift.

### **Radar Altimeter**

Manufacturer: Terra  
Model: TRA 3000/TRI 40

Altitude Range: 40-2500 ft

The radar altimeter measures the vertical distance between the helicopter and the ground.

This information is used in the processing algorithm that determines conductor depth.

## Digital Data Acquisition System

Manufacturer: Geotech

Model: TDEM-1

Recorder: PCMCIA flash card

The data are stored on a 512 Mb PCMCIA Flash Card and are downloaded to the field laptop at the survey base for verification, backup and preparation of in-field products. The contents and update rates are shown in the table below:

| DATA TYPE       | SAMPLING |
|-----------------|----------|
| TDEM            | 0.1 sec  |
| Magnetometer    | 0.1 sec  |
| GPS Position    | 0.2 sec  |
| Radar Altimeter | 0.2 sec  |

## Navigation (Global Positioning System)

### Airborne Receiver

Model: Ashtech Glonass GG24

Tracking: 12 channels L1 GPS code and carrier, 12 channels L1 GLONASS code and carrier

Sensitivity: -132 dBm, 0.5 second update

Accuracy: Manufacturer's stated accuracy is better than 10 metres real-time

The Ashtech GG24 is a line of sight, satellite navigation system that utilizes time-coded signals from at least four of forty-eight available satellites. Both Russian GLONASS and American NAVSTAR satellite constellations are used to calculate the position and to provide real time guidance to the helicopter. The Ashtech system can be combined with a RACAL or similar GPS receiver which further improves the accuracy of the flying and subsequent flight path recovery to better than 5 metres. The Ashtech receiver is coupled with a Geotech navigation system for real-time guidance.

## **Field Workstation**

A PC is used at the survey base to verify data quality and completeness. Flight data are transferred to the PC hard drive using a PCMCIA (flash card). This process allows the field operators to display both the positional (flight path) and geophysical data on a screen or printer.

### 3. PRODUCTS AND PROCESSING TECHNIQUES

Table 3-1 lists the maps and products that have been provided under the terms of the survey agreement. Other products can be prepared from the existing dataset, if requested.

#### Base Maps

All maps are created using the following parameters:

##### Projection Description:

|                   |                 |
|-------------------|-----------------|
| Datum:            | NAD 83          |
| Ellipsoid:        | GRS 1980        |
| Projection:       | UTM (Zone: 17N) |
| Central Meridian: | 81°W            |
| False Northing:   | 0               |
| False Easting:    | 500,000         |
| Scale Factor:     | 0.9996          |

**Table 3-1 Survey Products**

1. Color Plates (3 copy) @ 1:30,000
  - TMI
  - AdTau + conductor picks

Note: Other products can be produced from existing survey data, if requested.

#### Electromagnetic Data

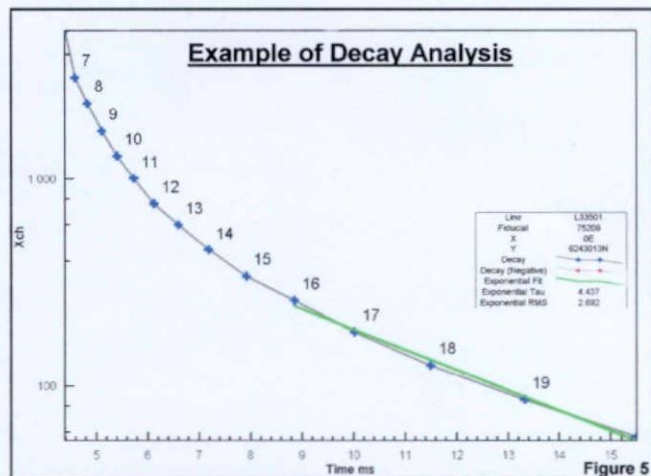
Primary Processing: A three stage digital filtering process was used to reject major spheric events and to reduce system noise. Local spheric activity can produce sharp, large amplitude events that cannot be removed by conventional filtering procedures. Smoothing or stacking will reduce their amplitude but leave a broader residual response that can be

confused with geological phenomena. To avoid this possibility, a computer algorithm searches out and rejects the major spheric events. The filter used was a 16-point non-linear filter.

The signal to noise ratio was further improved by the application of a low pass linear digital filter. This filter has zero phase shift that prevents any lag or peak displacement from occurring, and it suppresses only variations with a wavelength less than about 1 second or 20 metres. This filter is a symmetrical 1 sec linear filter.

**Time Constant:** The AdTau program calculates the time constant ( $\tau$ ) from time domain

decay data. The program is termed **AdTau** since rather than using a fixed suite of channels is commonly done, the user sets a noise level and depending on the local characteristics of the data, the program will then select the suite of channels that fits



these noise criteria. In resistive areas, earlier channels tend to be used where as in conductive terrains; the latest channels available can generally be used.

Figure 5 shows a typical decay fit, in this case, the last five channels are used.



## **Magnetic Field Data**

The aeromagnetic data are corrected for diurnal variation using the magnetic base station data. Manual adjustments are applied to any lines that require leveling, as indicated by shadowed images<sup>1</sup> of the gridded magnetic data or tie line/traverse line intercepts. The IGRF gradient can be removed from the corrected total field data, if requested.

## **Color Map Displays**

The geophysical maps are produced with the Geosoft oasis montaj product.

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<sup>1</sup> Such products are not standard deliverables but are typically generated as part of the QC processing.

## **4. SURVEY RESULTS**

### **General Discussion**

The airborne EM technique has been used very successfully for over 50 years to locate targets of high conductivity. In this particular application the client was looking to identify nickel-copper-PGE associated with mafic rocks.

### **Cultural Noise**

A railway line runs through the southern half of the Hong Kong 3 block. This is most apparent in the EM results. The same rail line also appears to run across the far southern end of Hong Kong 1.

### **Commentary on Survey Outcomes**

#### **Magnetic Results**

The area shows a magnetic relief of several hundred nT. While the grain of the magnetic data appears to be north-westerly, there are numerous linear magnetic trends of various orientations and intensity within the two survey blocks.

#### **EM Results**

The railway line that runs through the Hong Kong 3 block shows up as a major linear feature that trends roughly NW-SE across the southern half of the block. On the AdTau map, it shows up as the corridor of green color on the image. The interpreted axis of the railway line has been indicated on the AdTau map. Along side and adjacent to the rail line are a number of discrete conductors that are felt to have a high probability of being bedrock conductors. However, basic reconnaissance ground checking is advised prior to

committing to more expensive follow-up to insure that a particular anomaly is not due to a cultural feature associated with the rail line.

A total of fourteen conductive responses were identified in the two survey blocks. These features were selected based on their anomalous time constant (AdTau) values, all of which have a time constant of at least 2 msec. The shape of the features is generally circular and the size varies from <100 m in diameter to several hundred metres. Several of the large features as well have multiple centres within the overall feature. While the response of the rail line is deemed reasonably clear, cultural sources adjacent to the line could account for some of the features.

Table 1

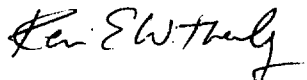
| <b>Anomaly</b> | <b>Easting</b> | <b>Northing</b> | <b>Comments (RRL=railroad line)</b>   |
|----------------|----------------|-----------------|---|
| HK3-A          | 394000         | 5258301         | ~150m across, close to RRL, transitional magnetic response  |
| HK3-B          | 394591         | 5258397         | >50m across, close to RRL, adjacent to larger magnetic high   |
| HK3-C          | 397069         | 5258217         | ~300m across, ~600m away from RRL, associated with moderate magnetic high   |
| HK3-D          | 396720         | 5257614         | More elongate, ~300m in strike, on flank of local magnetic high   |
| HK3-E          | 397481         | 5257710         | Strongest of the anomalies; ~300m across, made up of multiple zones; adjacent to moderate magnetic high   |
| HK3-F          | 396788         | 5256645         | Largest of anomalous zones; ~450m across, with strong time constant at southern end of feature; lies on southern side of strong discrete magnetic high. |

|       |        |         |   |
|-------|--------|---------|---|
| HK3-G | 398325 | 5256381 | <100m across, weaker response very close to RRL   |
| HK3-H | 398331 | 5255632 | More elongate than circular, ~150m in strike length, over 500m away from RRL. Inside major magnetic anomaly |
| HK3-I | 399069 | 5255604 | ~150m across, strong response but close to RRL; inside same magnetic high as HK3-I                          |
| HK3-J | 399317 | 5255395 | Moderate response, <100m across; just on flank of major magnetic high that I & J are associated with.       |
| HK3-K | 399700 | 5255085 | Small (<100m across) but strong time constant, lies adjacent is discrete magnetic high.                     |
| HK3-L | 400899 | 5252833 | Strong response ~150m across, directly over RRL, in magnetically flat area.                                 |
| HK1-A | 405596 | 5249932 | Strong feature ~300m across; associated with discrete magnetic high of similar size.                        |
| HK1-B | 405202 | 5248237 | Strong feature ~100m across; directly over RRL; associated with linear magnetic response.                   |

## CONCLUSIONS AND RECOMMENDATIONS

This report provides the description of the equipment used, procedures, logistics and basic geophysical outcomes of a VTEM airborne electromagnetic and magnetic survey 30 km southeast of Sultan, Ontario. An number of discrete, high conductance targets were located. These features as well showed a variable magnetic association. With a railroad line very near many of the smaller features, basic ground checking for obvious cultural sources is recommended prior to committing to more expensive ground follow-up.

Respectfully submitted,



September 20, 2004, CONDOR CONSULTING, Inc.

## **APPENDIX A**

### **LIST OF PERSONNEL**

The following personnel were involved in the acquisition, processing, interpretation and presentation of data, relating to a VTEM airborne geophysical survey carried out for Wallbridge Mining Company Ltd. near Sultan, Ontario August 22-29, 2004

**Field personnel**

**Shawn Grant**

**Mark Fortier**

**Steve Michael**

**Alvar Erthur**

**Field Geophysicist/Data Processing-Geotech Ltd.**

**Senior Geophysical Operator-Geotech Ltd.**

**Pilot-Panorama Helicopters Ltd.**

**Pilot-Panorama Helicopters Ltd.**

**Office personnel**

**Andrei Bagrianski**

**Michel Godbout**

**Ken Witherly**

**Senior Geophysicist-Geotech Ltd**

**Senior Processing Technician-Condor Consulting**

**Geophysicist-Condor Consulting**



**APPENDIX B****SURVEY COSTS**

|                                 |            |                    |
|---------------------------------|------------|--------------------|
| Basic survey Charge per line km |            | \$100.00           |
| For an estimated                | <b>761</b> | line km            |
| Crew and equipment mobilization |            | \$6,000.00         |
| Total minimum Survey Charges    |            | \$82,100.00        |
| GST                             |            | \$5,747.00         |
| <b>TOTAL</b>                    |            | <b>\$87,847.00</b> |

In addition to the above stated survey costs, the program incurred two (2) stand-by days due to weather at a cost of \$2,500/day or \$5,000. This brought the total survey cost to:  
**\$93,847.00**

## Work Report Summary

Transaction No: W0460.01537

**Status:** APPROVED

Recording Date: 2004-SEP-24

**Work Done from:** 2004-AUG-22

**Approval Date:** 2004-OCT-08

to: 2004-SEP-23

**Client(s):**

106540 BEITH, GEORGE

392385 WALLBRIDGE MINING COMPANY LIMITED

**Survey Type(s):**

AEM

AMAG

### Work Report Details:

| Claim#    | Perform  | Perform Approve | Applied | Applied Approve | Assign  | Assign Approve | Reserve  | Reserve Approve | Due Date    |
|-----------|----------|-----------------|---------|-----------------|---------|----------------|----------|-----------------|-------------|
| P 1118737 | \$3,057  | \$3,057         | \$6,000 | \$6,000         | \$0     | 0              | \$0      | \$0             | 2005-SEP-26 |
| P 3000421 | \$2,255  | \$2,255         | \$0     | \$0             | \$0     | 0              | \$2,255  | \$2,255         | 2006-FEB-12 |
| P 3002177 | \$386    | \$386           | \$0     | \$0             | \$0     | 0              | \$386    | \$386           | 2006-FEB-18 |
| P 3003075 | \$4,170  | \$4,170         | \$0     | \$0             | \$0     | 0              | \$4,170  | \$4,170         | 2006-FEB-18 |
| P 3003076 | \$4,147  | \$4,147         | \$0     | \$0             | \$2,943 | 2,943          | \$1,204  | \$1,204         | 2006-FEB-18 |
| P 3003792 | \$3,148  | \$3,148         | \$0     | \$0             | \$0     | 0              | \$3,148  | \$3,148         | 2006-MAY-06 |
| P 3003858 | \$2,058  | \$2,058         | \$0     | \$0             | \$0     | 0              | \$2,058  | \$2,058         | 2006-SEP-22 |
| P 3003859 | \$3,375  | \$3,375         | \$0     | \$0             | \$0     | 0              | \$3,375  | \$3,375         | 2006-SEP-22 |
| P 3006683 | \$515    | \$515           | \$0     | \$0             | \$0     | 0              | \$515    | \$515           | 2006-JUN-23 |
| P 3006684 | \$1,120  | \$1,120         | \$0     | \$0             | \$0     | 0              | \$1,120  | \$1,120         | 2006-JUN-23 |
| P 3011676 | \$2,512  | \$2,512         | \$0     | \$0             | \$0     | 0              | \$2,512  | \$2,512         | 2006-SEP-22 |
| P 3011677 | \$129    | \$129           | \$0     | \$0             | \$0     | 0              | \$129    | \$129           | 2006-SEP-22 |
| P 3011678 | \$4,223  | \$4,223         | \$0     | \$0             | \$0     | 0              | \$4,223  | \$4,223         | 2006-SEP-22 |
| P 3011679 | \$1,029  | \$1,029         | \$0     | \$0             | \$0     | 0              | \$1,029  | \$1,029         | 2006-SEP-22 |
| P 3015070 | \$4,192  | \$4,192         | \$0     | \$0             | \$0     | 0              | \$4,192  | \$4,192         | 2006-FEB-18 |
| P 3015071 | \$4,117  | \$4,117         | \$0     | \$0             | \$0     | 0              | \$4,117  | \$4,117         | 2006-FEB-18 |
| P 3015072 | \$3,148  | \$3,148         | \$0     | \$0             | \$0     | 0              | \$3,148  | \$3,148         | 2006-FEB-18 |
| P 3015073 | \$2,437  | \$2,437         | \$0     | \$0             | \$0     | 0              | \$2,437  | \$2,437         | 2006-FEB-18 |
| P 3015074 | \$2,179  | \$2,179         | \$0     | \$0             | \$0     | 0              | \$2,179  | \$2,179         | 2006-FEB-18 |
| P 3015075 | \$3,118  | \$3,118         | \$0     | \$0             | \$0     | 0              | \$3,118  | \$3,118         | 2006-FEB-18 |
| P 3015076 | \$2,195  | \$2,195         | \$0     | \$0             | \$0     | 0              | \$2,195  | \$2,195         | 2006-FEB-18 |
| P 3015077 | \$3,859  | \$3,859         | \$0     | \$0             | \$0     | 0              | \$3,859  | \$3,859         | 2006-FEB-18 |
| P 3015078 | \$4,117  | \$4,117         | \$0     | \$0             | \$0     | 0              | \$4,117  | \$4,117         | 2006-FEB-18 |
|           | \$61,486 | \$61,486        | \$6,000 | \$6,000         | \$2,943 | \$2,943        | \$55,486 | \$55,486        |             |

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900

**External Credits:** \$0

**Reserve:**

**\$55,486 Reserve of Work Report#: W0460.01537**

**\$55,486 Total Remaining**

Status of claim is based on information currently on record.

Date: 2004-OCT-08

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

WALLBRIDGE MINING COMPANY LIMITED  
129 FIELDING ROAD  
LIVELY, ONTARIO  
P3Y 1L7 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.28525  
**Transaction Number(s):** W0460.01537

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron C. Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

George Beith  
(Claim Holder)

Assessment File Library

Wallbridge Mining Company Limited  
(Claim Holder)

Wallbridge Mining Company Limited  
(Assessment Office)





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200

ONTARIO  
CANADA

MINISTRY OF NORTHERN  
DEVELOPMENT AND MINES  
PROVINCIAL MINING  
RECORDERS' OFFICE

Mining Land Tenure  
Map

Date / Time of Issue: Tue Oct 12 10:11:32 EDT 2004

TOWNSHIP / AREA  
EDITH

PLAN  
G-1116

### ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

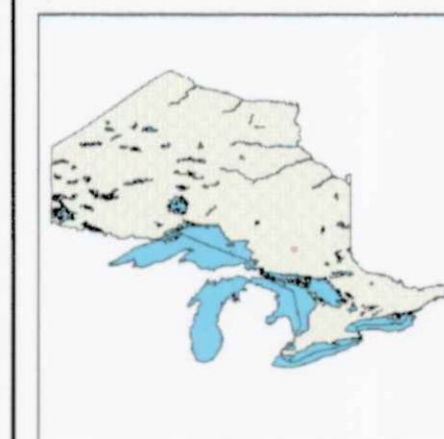
Porcupine  
SUDBURY  
CHAPLEAU

### TOPOGRAPHIC

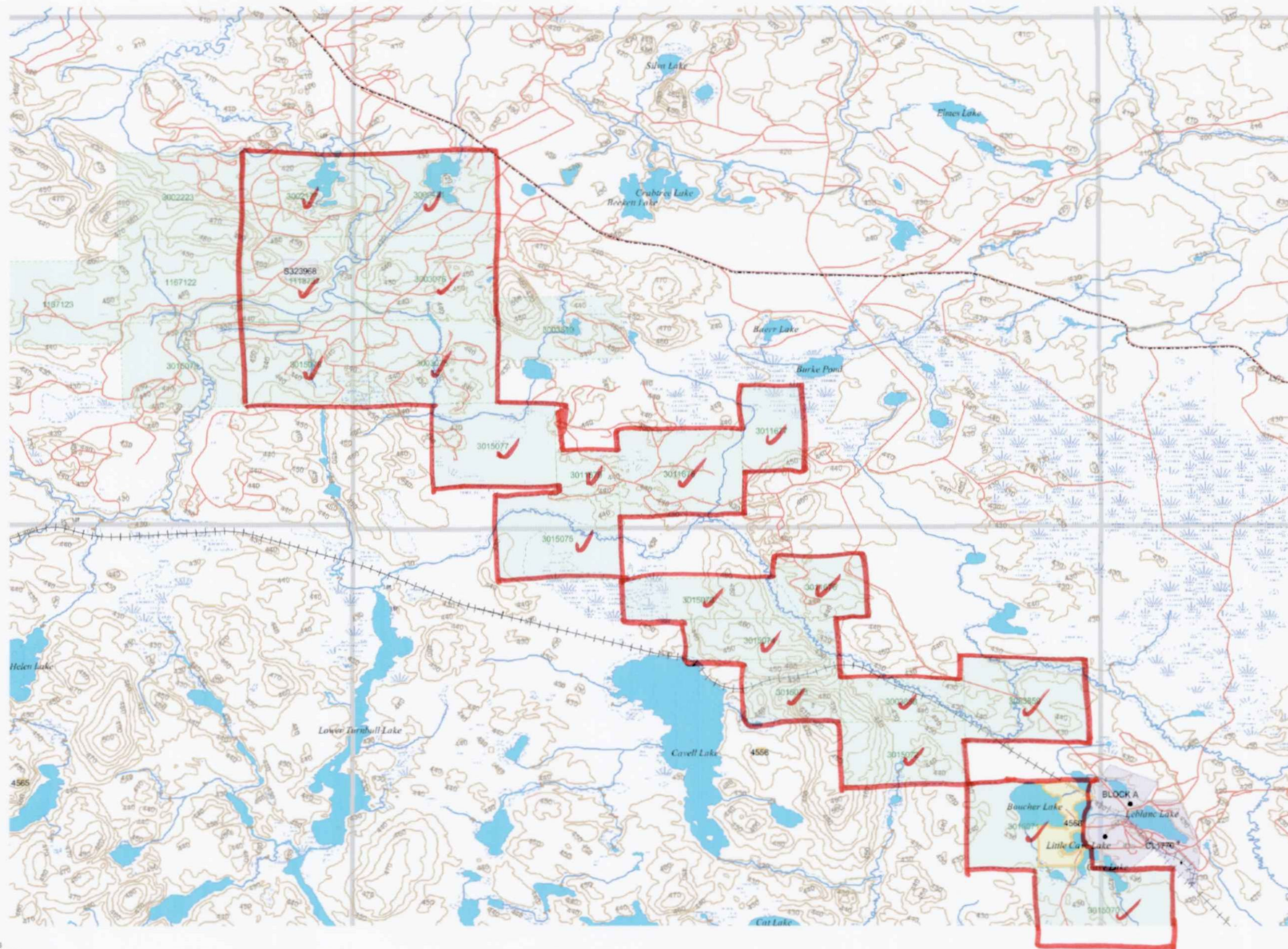
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- C/O, Pt & Pie
- Contour
- Mine Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

### Land Tenure

- Freehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation**
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
  - Land Use Permit
  - Order In Council (Not open for staking)
  - Water Power Lease Agreement
- Mining Claims**
  - 1234567 Mining Claims
  - 1234567 Fled Only Mining Claims
- LAND TENURE WITHDRAWALS**
  - 1234 Areas Withdrawn from Disposition
  - Wsm Mining Acts Withdrawal Types
    - Wsm Surface And Mining Rights Withdrawn
    - Wsm Surface Rights Only Withdrawn
    - Wsm Mining Rights Only Withdrawn
  - W's Order In Council Withdrawal Types
    - W's Surface And Mining Rights Withdrawn
    - W's Surface Rights Only Withdrawn
    - W's Mining Rights Only Withdrawn
- IMPORTANT NOTICES**
  - No



2.28525  
AMAG  
AEM



NAD 83  
5 degree grid

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

### General Information and Limitations

Contact Information:  
Provincial Mining Recorders' Office  
Wilket Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mndm.gov.on.ca/MNDMMINESLANDS/linampg.htm](http://www.mndm.gov.on.ca/MNDMMINESLANDS/linampg.htm)

Toll Free  
Tel: 1 (855) 415-9845 ext 5777  
Fax: 1 (877) 670-1444

Map Datum: NAD 83  
Projection: Geographic Coordinates  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.





41009SE2011 2.28525 FINGAL

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ONTARIO  
CANADAMINISTRY OF NORTHERN  
DEVELOPMENT AND MINES  
PROVINCIAL MINING  
RECORDERS' OFFICEMining Land Tenure  
Map

Date / Time of Issue: Tue Oct 12 10:30:24 EDT 2004

TOWNSHIP / AREA  
JOFFREPLAN  
G-1152

## ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources DistrictPorcupine  
SUDBURY  
CHAPLEAU

## TOPOGRAPHIC

- Administrative Boundary
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- CIR, P1 & P2
- Contour
- Mine Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

## Land Tenure

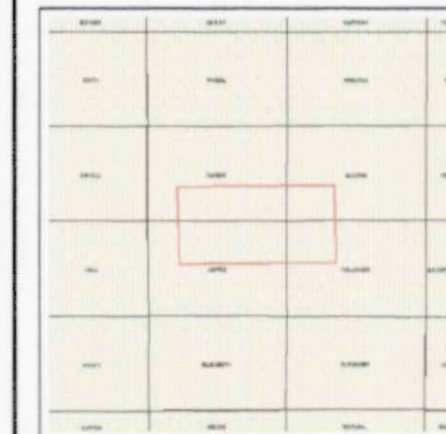
- Freehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement

- Mining Claims
- Filed Only Mining Claims

## LAND TENURE WITHDRAWALS

- 1234 Areas Withdrawn from Disposition
- Mining Acts Withdrawal Types
  - Surface And Mining Rights Withdraw
  - Surface Rights Only Withdraw
  - Mining Rights Only Withdraw
- Order In Council Withdrawal Types
  - Surface And Mining Rights Withdraw
  - Surface Rights Only Withdraw
  - Mining Rights Only Withdraw

No IMPORTANT NOTICES

Scale 1:35435  
609m 9m 1.8km

## LAND TENURE WITHDRAWAL DESCRIPTIONS

| Identifier | Type | Date         | Description   |
|------------|------|--------------|---|
| 4559       | Wsm  | Jan 1, 2001  | 400 FEET SURFACE RIGHTS RESERVATION ALONG THE SHORES ALL LAKES AND RIVERS   |
| W-LL-P238  | Wsm  | Feb 14, 2003 | <a href="http://www.mndm.gov.on.ca/mndm/mines/lands/withdrawing/2003orders/feb/withdrawals/wp238.asp">W-LL-P238-C3 ONT M&S withdrawal 3.35 Mining Act RSO 1990, 14/02/03 Boundary generally depicts area withdrawn Click to view acts <a> |

2.28525  
AMAG, AEMUTM Zone 17  
5000m grid

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

## General Information and Limitations

Contact Information:  
Provincial Mining Recorders' Office  
Wilket Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mndm.gov.on.ca/MNDMINES/LANDS/mismpg.htm](http://www.mndm.gov.on.ca/MNDMINES/LANDS/mismpg.htm)

Toll Free  
Tel: 1 (855) 415-9845 ext 5782  
Fax: 1 (877) 670-1444

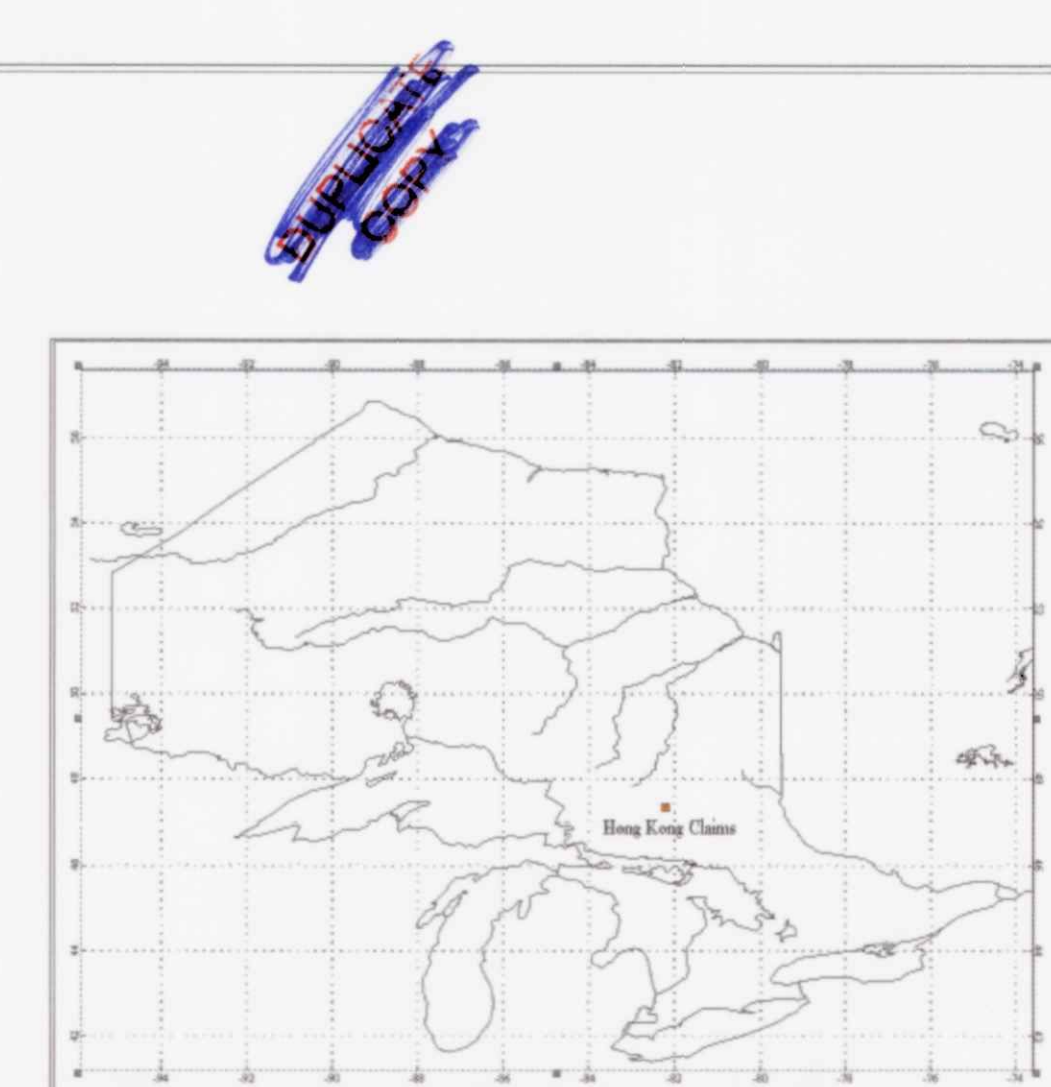
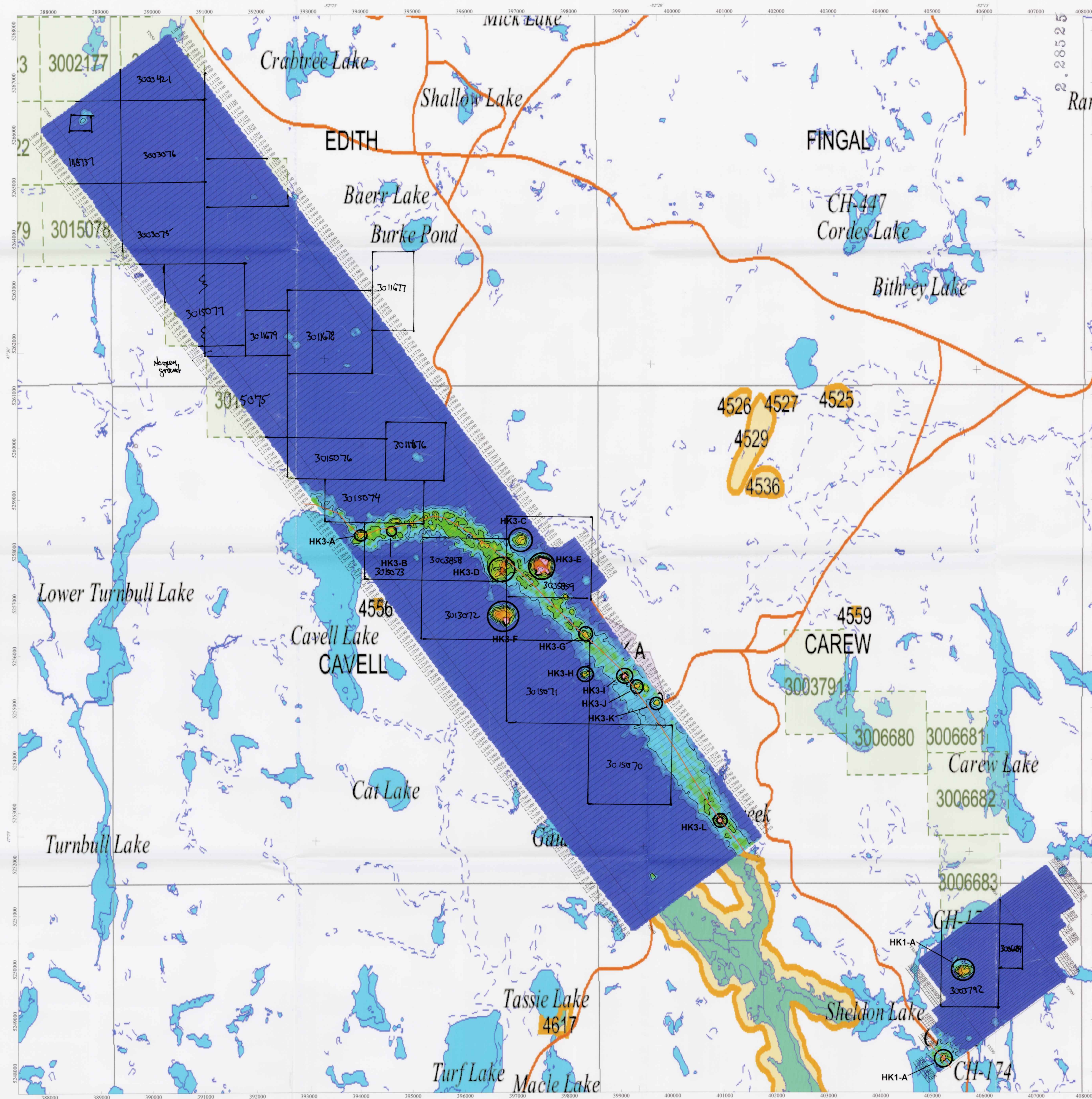
Map Datum: NAD 83  
Projection: UTM (6 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

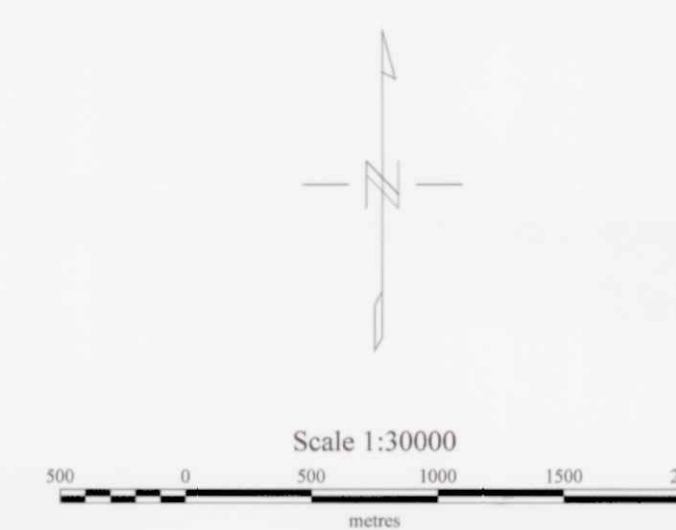
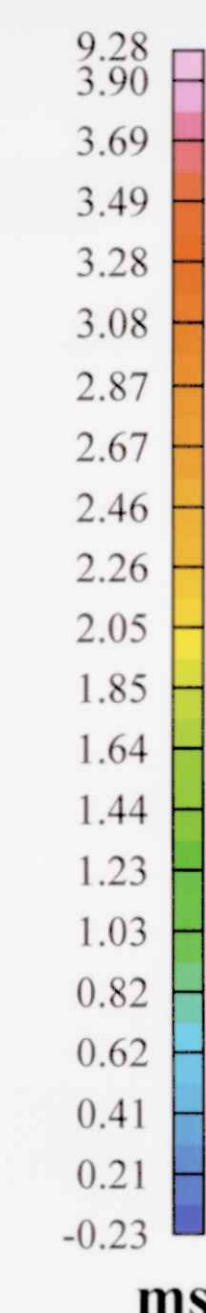








HK1-A ○ VTEM Anomaly Picks  
 — Interpreted Railway Track



Wallbridge Mining Company Ltd.  
 Sudbury, Ontario

VTEM 30 Hz Survey  
 Hong Kong Project

AdTau  
 (0.01 pV/Am\*\*4 cutoff)  
 Flown: August 2004

Survey flown by:  
 Geotech Ltd.  
 Aurora, Ontario, Canada

Processing by:  
 Condor Consulting Inc.  
 Lakewood, Colorado, U.S.A.



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