REPORT
ON

MAGNETIC TOTAL FIELD SURVEY
&
Geological Survey
(December 2001)

Morrisette Property
Morrisette Township
Larder Lake Mining Division
North-eastern Ontario

NTS
32D/SW

UTM
Grid Zone 17, NAD. 27

For
Gold Insight Resources Ltd.
Douglas Robinson P. Eng.
Doug Robinson Consulting

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DETAILED MAPS AND PROFILES
Legend for Detailed Geological & Topographical Maps

Total Field Magnetic Profiles With Geology & Topographic Maps
   Line 582560 Total Magnetic Field Strength (100nT/cm) Scale 1:2500
      500-1450-N
   Line 582560 Geology & Topography Plan: Scale 1:2500
      500-1450-N

   Line 582560 Total Magnetic Field Strength (100nT/cm) Scale 1:2500
      1400-2300-N
   Line 582560 Geology & Topography Plan: Scale 1:2500
      1400-2300-N

   Line 582560 Total Magnetic Field Strength (100nT/cm) Scale 1:5000
      500-2300-N (Surveyed S→N Black & N→S Red)
1.0 SUMMARY
This exploration project of Gold Insight Resources Ltd. Property located at 7 to 15 km north east of Kirkland Lake, Ontario included 1.8 km total field survey accompanied with geological mapping. This was an orientation survey conducted in advance of a large scale exploration project on the property. The survey established the magnetic signature expected for the area. The author conducted this work and prepared this report.

2.0 LOCATION
The property is located between at UTM coordinates 0575300-0582600 mE and 5339200-534400 mN (NTS 32 D/4 approximately 7-15 km north east of Kirkland Lake, Ontario (Longitude 48°14'30"N Latitude 79°57'00"W). The reader is referenced to the north edge of NTS Map Sheet 32/2 for the general location of the property.

3.0 ACCESS
The property is accessed via Highway 66 leading 13 km east from Kirkland Lake. From this location proceed 12 km north on Highway 672 (the Esker Park Road). Park at the winter access road that leads west from the Highway 672. This forest access road is located a short distance north of a culvert and is also located approximately 1.5 km north of the Howard Lake access road. Walk 1 km south west, crossing two creeks to the grid line along the west edge of the property.

4.0 THE PROPERTY
The property, consisting of 19 contiguous claims, is located in the central and south east quadrant of Morrisette Township (Plan #G-3217) in the Larder Lake Mining Division.

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Work was performed on claims 1167147 and 1227075 and transferred to contiguous claim 1225462.

5.0 PHYSIOLOGY AND VEGETATION
The area surveyed is 50% covered by spruce alder swamp with local tamarack and white cedar. Most of the remaining area surveyed was well drained outcrop area and glacial-lacustrine overburden. The well drained areas are dominated by spruce with scrub maple and lesser aspen.

6.0 REGIONAL AND PROPERTY GEOLOGY
The property is located in the Abitibi Subprovince. The bedrock is Blake River Group volcanics comprised of calcalkalic basalt, andesite, dacite, and rhyolite consisting of massive, pillowed and fragmental lavas and tuffs. Mafic rocks, including diorite and gabbro (and possibly kimberlites) probably intrude the volcanics. Faults trending 320-340° are expected. MNDM Map 2193 is the best reference to the property.
The contact with the Kinojevis Group cuts through the southern portion of the property with a northwest trend. Fe-carbonate and other alteration appears to cut the southern portion of the property.

7.0 EXPLORATION RATIONAL
This exploration program was designed as an orientation survey to establish the magnetic signature of the property. The survey area was mapped to explain the magnetic fabric encountered.
8.0 EXPLORATION PROGRAM

**Grid**

A 1.8 km sample line was cut by the author December 14 to 18, 2001. Pickets were placed at 25 m station intervals. Uncorrected UTM coordinates of the end points of the grid line are:

1. 0500-N is located at 0582584 mE & 5340513 mN (Nad 27).
2. 2300-N is located at 0582552 mE & 5342307 mN (Nad 27).

The winter access road crosses the line at 0582562 mE & 5341788 mN. Logistics were performed in advance of cutting the grid line.

**Magnetic Survey**

The author of this report conducted a total field strength magnetic survey December 20, 2001. A Scintrex Envimag in walkmag mode was used. Magnetic readings were measured at 2 second intervals. This reading interval rendered readings spaced at approximately two-meter intervals. Weather was near freezing and the instrument was working well. The line was surveyed twice:

1. once from north to south and
2. once from south to north.

The data was plotted on 1:2500 profiles.

A base station was established facing north while standing at the east side of line picket 1785-N. This station was 56963 Nt. This base station was measured before, during and after completion of the surveys. No corrections were made to the data because all base station readings were within 3 Nt. of the 56963 Nt. value established before the survey.

**Geological Mapping**

On December 18 and 20, 2001, the Author mapped the survey area at 1 cm = 10 meters by pace and compass from the survey line. The outcrop locations were defined, percent slopes and slope directions were visually estimated and plotted, and topographic and vegetation features recorded.

During the mapping; lighting was poor, the soil was frozen and the outcrops were covered by a less than 10 cm of snow. This mapping should be considered preliminary, but adequate to explain the magnetic responses.
DISCUSSION OF RESULTS

Grid
The grid was cut along a very old survey fabric. Survey markers including square iron bars (SIB) of forfeited claims were observed and recorded on the geological map. This line could be widened to provide mechanized access to the property.

Magnetic Survey
The magnetic signature of the grid is flat magnetic relief that is best plotted in exaggerated magnetic relief to display the magnetic trends. Although the relief is small it appears to be a viable tool to trace intrusive formations such as kimberlite dikes and pipes.

The fabric indicates an increasing wavelength and amplitude to the south. This change appears to be a real response caused by bedrock features. North of 1775-N, deep overburden in combination with short wavelength low amplitude fabric make interpretation of volcanic features difficult. However, this is an ideal environment to locate and trace intrusive formations such as kimberlites.

The increased background values north of 1775 may be caused by a geological contact or another bedrock feature. An alternative explanation is kimberlite or other magnetic formation under deep overburden from 1780-1975N. The continuation of the magnetic survey and geological mapping might resolve this ambiguity.

Two prominent broad magnetic highs were observed at:
1. 580-640 N
2. 900-1020 N

Both magnetic highs occur in gaps in the outcrop exposure. The continuation of the grid to the west in combination with outcrop mapping are likely to establish if these responses are controlled by the stratigraphy of volcanic formations, intrusive formations or other causes.

John Thompson in assessment report KL-3271 in the Kirkland Lake Resident Geologist Office quotes Meyer of the MNDM Resident Geologist’s Office stating Alfie Creek 2 kimberlite pipe is located at UTM coordinates 0582650 mE and 5340950 mN. The magnetic anomaly at 890-1020N appears to be associated with this pipe; however the Author has not had time to confirm this. The second anomaly 300 m to the south has a similar signature.
**Geological Survey**

The outcrops mapped were aphanitic to fine grained Blake River volcanic rocks, probably andesite. The outcrops had a very thin pale grey-white weathering rind. A single outcrop at 555N appears to be Fe-carbonate alteration.

### 10.0 RECOMMENDATIONS

Exploration of the property should include:
1. a 100 m spaced grid with control lines spaced at regular intervals.
2. a total magnetic field strength Walkmag using:
   a. 2 second (2 meter) reading interval.
   b. plotted as profiles.
3. MaxMin EM survey using 100 meter cable frequencies 800 and 3555 hz.
4. geological mapping.

### 11.0 REFERENCES


MERQ-OGS
1983: Lithostratigraphic Map of the Abitibi Subprovince;
Ontario Geological Survey/Ministere de l'Energie et des Ressources, Quebec.
Scale 1:500 000; Catalogued as "Map2484" in Ontario and "DV 83-16" in Quebec.

Map 2628. Precambrian Geology, Larder Lake Area.
Ontario Geological Survey.
Scale 1:50,000

Geology of Bernhardt and Morrisette Townships and accompanying Map 2193 Bernhardt and Morrisette Townships. Scale 1:31,680

Map P. 447 - Ontario Department of Mines Preliminary Geological Map
No. P. 447, Morrisette Township, District of Timiskaming, 1968.
Scale 1:15,840.

MAP P. 882 - Ontario Geological Survey Preliminary Map P. 882 (Rev),
Kirkland Lake Data Series, Morrisette Township, District of Timiskaming, 1978.
Scale 1:15,840.


Scale 1:20,000

MAP P 2484 - Ontario Geological Survey Map P. 2484 Lithostratigraphic Map of the Abitibi Subprovince Scale 1:500,000

Volume 25, Part 1, Section 8 Goodfish Lake Area, 1916.

Geological Report 84 - Ontario Department of Mines.
Accompanying Map 2193 Bernhardt and Morrisette Townships. Scale 1:31,680

Scale 1:15,840.


OFR 5395 - Open File Report 5356, Melba, Morrisette and Portion of Eby, Bisley and McElroy Townships: Mid-density mineralogy of glacial overburden as an indicator of Au mineralization. 1993


Scale 1:20,000

MAP P 2484 - Ontario Geological Survey Map P. 2484 Lithostratigraphic Map of the Abitibi Subprovince Scale 1:500,000

Volume 25, Part 1, Section 8 Goodfish Lake Area, 1916.
CERTIFICATE OF QUALIFICATIONS

I, Douglas Robinson, of 24 Victoria Avenue, Swastika, Ontario hereby certify that:

1. I am a registered professional Engineer of the province of Ontario, No. 39322011.

2. I am a graduate of Queen's University in Kingston Ontario with an Honours Bachelor of Science, Geological Engineering 1975, and Northern College, School of Mines in Haileybury, Ontario, 1970.

3. I have been practising my profession since graduation.

4. The information contained in this report is the result of work done by myself and the references cited.

Respectfully submitted

Douglas Robinson, P. Eng.
December 28, 2001
Gold Insight Resources Property
Morrisette Township:
December 26, 2001

Figure 2a. Claim Map Morrisette Township: Scale 1 : 50,000
Gold Insight Resources Property
East Group
Morrisette Township:
December 26, 2001

Figure 2b. Claim Map Morrisette Township: Scale 1 : 25,400

Morrissette Assessment Report 01-12-28.rpt.doc
Gold Insight Resources Property
West Group
Morrisette Township:
December 26, 2001

Figure 2c. Claim Map Morrisette Township: Scale 1 : 25,400
Legend for Detailed Geological & Topographical Maps

Scale 1 cm = 25 m

4 Blake River Group Felsic to Intermediate volcanics
dacite and andesite
undifferentiated flows, agglomerate, breccia tuff and ash.

S  Black Spruce
P  Aspen
A  Alder
T  Tamarack

¾ SIB  Square iron bar with dimensions given in inches

\ 15  Slope Direction with number being visually estimated % slope

W  Wet swamp
S  Seasonally wet swamp

2-1167147  Post number & claim number
Locating Buried Drums and Tanks?
The NEW ENVI-MAG is the solution to this environmental problem. ENVI-MAG is an inexpensive, lightweight, portable "WALKMAG" which enables you to survey large areas quickly and accurately. ENVI-MAG is a portable, proton precession magnetometer and/or gradiometer, for geotechnical, archaeological and environmental applications where high production, fast count rate and high sensitivity are required. It may also be used for other applications, such as mineral exploration, and may be configured as a total-field magnetometer, a vertical gradiometer or as a base station.

The ENVI-MAG
- easily detects buried drums to depths of 10 feet or more
- more sensitive to the steel of a buried drum than EM or radar
- much less expensive than EM or radar
- survey productivity much higher than with EM or radar

Features and Benefits

"WALKMAG" Magnetometer/Gradiometer
The "WALKMAG" mode of operation (sometimes known as "Walking Mag") is user-selectable from the keyboard. In this mode, data is acquired and recorded at the rate of 2 readings per second as the operator walks at a steady pace along a line. At desired intervals, the operator "triggers" an event marker by a single keystroke, assigning coordinates to the recorded data.

True Simultaneous Gradiometer
An optional upgrade kit is available to configure ENVI-MAG as a gradiometer to make true, simultaneous gradiometer measurements. Gradiometry is useful for geotechnical and archaeological surveys where small near surface magnetic targets are the object of the survey.

Selectable Sampling Rates
0.5 second, 1 second and 2 second reading rates user selectable from the keyboard.

Main features Include:
- select sampling rates as fast as 2 times per second
- "WALKMAG" mode for rapid acquisition of data
- large internal memory, expandable to 200,000 readings
- easy to read, large LCD screen displays data both numerically and graphically
- ENVIMAP software for processing and mapping data

ENVI-MAG comprises several basic modules; a lightweight console with a large screen alphanumeric display and high capacity memory, a staff mounted sensor and sensor cable, rechargeable battery and battery charger, RS-232 cable and ENVIMAP processing and mapping software.

For gradiometry applications an upgrade kit is available, comprising an additional processor module for installation in the console, and a second sensor with a staff extender.

Easy Review of Data
For quality of data and for a rapid analysis of the magnetic characteristics of the survey line, several modes of review are possible. These include the measurements at the last three stations, the ability to scroll through any previous readings in memory, and a graphic display of the previous data as profiles, line by line. This feature is very useful for environmental and archaeological surveys.

Highly Productive
The "WALKMAG" mode of operation acquires data rapidly at close station intervals, ensuring high-definition results. This increases survey productivity by a factor of 5 when compared to a conventional magnetometer survey.

"Datacheck" Quality Control of Data
"Datacheck" provides a feature whereby at the end of each survey line, data may be reviewed as a profile on ENVI-MAG's screen. Datacheck confirms that the
**Specifications**

- **Total Field Operating Range**
  - 20,000 to 100,000 nT (gammas)

- **Total Field Absolute Accuracy**
  - +/- 1 nT

- **Tuning**
  - Fully solid state, Manual or automatic, keyboard selectable

- **Cycling (Reading) Rates**
  - 0.5, 1 or 2 seconds, up to 9999 seconds for base station applications, keyboard selectable

- **Sensitivity**
  - 0.1 nT at 2 second sampling rate

- **Gradiometer Option**
  - Includes a second sensor, 20 inch (50cm) staff extender and processor module

- **"WALKMAG" Mode**
  - 0.5 second for walking surveys, variable rates for hilly terrain

- **Digital Display**
  - LCD "Super-Twist", 240 x 64 dots graphics, 8 line x 40 characters alphanumeric

- **Display Heater**
  - Thermostatically controlled, for cold weather operations

- **Keyboard Input**
  - 17 keys, dual function, membrane type

- **Notebook Function**
  - 32 characters, 5 user-defined MACRO’s for quick entry

- **Rechargeable Battery and Battery Charger**
  - An "off-the-shelf" lead-acid battery and charger are provided as standard. The low-cost "Camcorder" type battery is available from electronic parts distributors everywhere.

- **HELP-Line Available**
  - Purchasers of ENVI-MAG are provided with a HELP-Line telephone number to call in the event assistance is needed with an application or instrumentation problem.

- **ENVIMAP Processing and Mapping Software**
  - Supplied with ENVI-MAG, and custom designed for this purpose, is easy-to-use, very user-friendly, menu driven data processing and mapping software called ENVIMAP. This unique software appears to the user to be a single program, but in fact a sequence of separate programs, each performing a specific task. Under the menu system, there are separate programs to do the following:
    - a) read the ENVI-MAG data and reformat it into a standard compatible with the ENVIMAP software
    - b) grid the data into a standard grid format
    - c) create a vector file of posted values

- **Options Available**
  - True simultaneous gradiometer upgrade
  - Base station upgrade
  - Display heater for low temperature operations
  - External battery pouch

**Operating Temperature Range**
- Standard 0° to 60°C
- Optional -40°C to 60°C

**Dimensions**
- Console - 10 x 6 x 2.25 inches (250 mm x 152 mm x 55 mm)
- T.F. sensor - 2.75 inches dia. x 7 inches (70 mm x 175 mm)
- Grad. sensor and staff extender - 2.1 inches dia. x 25.5 inches (70 mm x 645 mm)
- T.F. staff - 1 inch dia. x 76 inches (2 cm x 193 cm)

**Weight**
- Console - 5.4 lbs (2.45 kg) with rechargeable battery
- T. F. sensor - 2.2 lbs (1.15 kg) with rechargeable battery
- Grad. sensor - 2.5 lbs (1.15 kg)
- Staff - 1.75 lbs (0.8 kg)

**Head Office**
222 Snidercroft Road
Concord, Ontario, Canada L4K 1B5
Telephone: (905) 669-2280
Fax: (905) 669-6403 or 669-5132
Telex: 06-964570

In the USA:
Scintrex Inc.
85 River Rock Drive
Unit 202
Buffalo, New York 14207
Telephone: (716) 298-1219
Fax: (716) 298-1317
## Work Report Summary

**Transaction No:** W0180.31303  
**Status:** APPROVED  
**Recording Date:** 2001-DEC-28  
**Approval Date:** 2002-JAN-03  
**Work Done from:** 2001-DEC-14 to: 2001-DEC-28

**Client(s):**  
297244 GOLD INSIGHT RESOURCES LTD.

**Survey Type(s):**  
LC MAG

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Total: $1,695 $1,695 $1,200 $1,200 $1,200 $1,200 $495 $495

Status of claim is based on information currently on record.
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 or by phone at (705) 670-5855.

Yours Sincerely,

Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist
    Douglas Raymond Robinson
    (Agent)
    Gold Insight Resources Ltd.
    (Claim Holder)

Assessment File Library
Gold Insight Resources Ltd.
(Claim Holder)
Total Magnetic Field Strength (100nT/cm)
Morrisette Tp: Gold Insight: 582560 E
1:5000 Scale

Geology & Topography
Morrisette Tp: Gold Insight: 582560 E
1:5000 Scale
Total Magnetic Field Strength (10nT/cm)
Morrissette Tp: Gold Insight: 582560 E
1:5000 Scale

Surveyed South to North in Black
Surveyed North to South in Red