DETAIL MAGNETOMETER AND ELECTROMAGNETIC SURVEYS ON THE SD-12 CLIFFORD TOWNSHIP LARDER LAKE MINING DIVISION DISTRICT OF COCHRANE, ONTARIO

FOR

TIGER GOLD EXPLORATION CORPORATION

SEPTEMBER 14, 2007

MISS WENDY K. WELLER
GEOTECH

RECEIVED
SEP 17 2007
GEOSCIENCE ASSESSMENT OFFICE
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GROUND MAGNETOMETER SURVEY MAP NO. SD-12/2007/mag                      | In back pocket |
GROUND VLF-EM SURVEY - NAA PROFILED MAP NO. SD-12/2007/vlf...          | In back pocket |
SUMMARY:

The report includes a Detail Magnetometer and Electromagnetic Surveys as required by The Ministry of Northern Development and Mines for assessment work purposes.

The report includes an introduction to the property, property history, general geology, field observations and conclusions based on the field surveys.

Technical data is provided at the back of this report. Field data is compiled on the accompanying plan maps SD-12/2007/mag and SD-12/2007/vlf, found in the back of this report.
There is 1 block (twelve units) in the group. Claim 4225043 is located in Clifford Township, Larder Lake Mining Division.

On September 8, 2007 a new north grid was started. A east baseline was turned off the number 400 meter post south of the number 4 corner post at 90 degrees for a distance of 400 meters. Picket lines were turned off every 50 meters going east and stations cut and measured every 25 meters.

Line cutting was contracted out to two different contractors. Mr. Alain Parisecoat for line cutting and Mr. Norman Gilmour (line cutting and chaining) and crew.

The magnetometer survey was performed by Mr John Perron.
The electromagnetic survey was performed by Miss Wendy K. Weller.
All drafting and contouring and report writing was done by Miss Wendy K. Weller in the evenings during the project.
LOCATION AND ACCESS

The SD-12 Block is found in the north central half of Clifford Township, east of Highway 672.

The SD-12 Block is found in the Larder Lake Mining Division, and they are within the jurisdiction of the Kirkland Lake Resident Geologist. Access is from Kirkland Lake towards the east for 13 kilometers to the Harker-Holloway road (Highway 672). Follow 672 north for 36 kilometers.

PROPERTY HISTORY

At present time, the SD-12 Block is a new block of unpatented mining claims that is presently being worked on by Tiger Gold Exploration Limited.

REGIONAL GEOLOGY

The Clifford Township, is underlain by Archean Volcanic Suites belonging to the Abitibi Subprovince, Superior Province of the Canadian Shield. The volcanic rocks are intruded by a variety of related mafic to felsic stocks sills and dykes. Later Precambrian dykes of diabasic composition and texture trend in a north-westerly, northerly or northeasterly direction and have filled in along pre-existing structures (see Jansen, 1975 and 1978).

The general area can be defined as being bounded on the south by the Larder Lake Fault and on the north by the Destor-Porcupine Fault, both regional, east-west trending structures along which are major gold mining camps such as Timmins, Harker-Holloway, Kirkland Lake, Virginiatown and Val D’or. A major east-west trending synclinorium is
### SURVEY WORK UNDERTAKEN
#### TIGER GOLD EXPLORATION CORPORATION

#### 2.1 Survey Log

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>LINE</th>
<th>MAX EXTENT</th>
<th>3 TOTAL SURVEY (m)</th>
</tr>
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<tbody>
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<td>SEPT 11/07</td>
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<td>PL000 PL100E</td>
<td>390 m north</td>
<td>390 m north</td>
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<tr>
<td></td>
<td></td>
<td>PL050E PL150E</td>
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<td>PL000 PL250E</td>
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<td>PL100E PL300E</td>
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<td>823 m south</td>
</tr>
<tr>
<td>SEPT 12/07</td>
<td>CONTINUATION OF GRID</td>
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<tr>
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<td></td>
<td>823 m south</td>
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present between the two faults. The younger Blake River Group is flanked on the north and the south by rocks of the Kinojevis Group. The southern contact between the two groups is much more structurally affected than is the northern contact.

Rocks of the Kinojevis Group are to a large extent composed of iron tholeites. Such iron-rich composition is reflected in bands of high magnetic susceptibility alternating with bands of lesser magnetism. The weaker zones of magnetism outline sequences of sediments and/or calc-alkaline volcanics. The contact with the overlying Blake River Group can be defined from air magnetic data, however a zone of vertical gradation up to a mile wide may or may not be present. Subtle magnetic variations which may represent economically significant features (Kimberlite pipes or alteration zones) can easily be masked within the Kinojevis Group.

Blake River Volcanic Rocks are composed of calc-alkaline minerals. Massive and pillow flows occur in sequence with pillow and pyroclastic breccia and lapilli and ash tuff. Chemically they represent rhyolite, dacite, andesite and basalt. Rocks of the Blake River Group underlie the base metal camp of Noranda, Québec. Eastern Clifford and Ben Nevis Townships have several base metal showings as well as relatively more bed rock exposures then has the Elliott Groups.

**TOPOGRAPHY**

The claim unit covers twelve mining claims. The topography of the area ranges from flat black spruce swamp to the south end of the block to areas of timbered sections. Over three quarters of the new block has many small outcrop showings that have been timbered. There are many small timber access roads crossing the block of twelve that are four wheeler accessible. The relief over this block of claims does not exceed 75 to 80 meters. Erosion due to timbering operations and natural erosion has exposed small outcrop showings throughout the block.
McPhar GP81 Proton Magnetometer

This system uses a backward motion of spinning protons of a hydrogen atom within fluid of hydrogen and carbon. These spinning magnetic protons are caused to have two opposite poles by applying a magnetic field using a current within a coil of wire. When the current is stopped, the protons process about the earth's magnetic field and in turn generate a small current in the wire. The frequency is proportional to the earth's total magnetic field.

The instrument used for this survey was a McPhar GP-81 Proton Magnetometer. More information about the survey and instrument can be found on the Technical Data found in the back of this report.

Geonics EM-16

The VLF-EM method uses as a source, one of the main submarine communication transmitters in the 15 to 25 kHz band found throughout the world.

VLF instruments are capable of picking up these structures that change the direction of the waves by using the tilt angle of the major axis of the polarization ellipse. The direction of tilt indicates the direction of the conductor.

The VLF easily illustrates the location of the upper limit of dipping structures which can be seen or plotted as VLF profiles as areas of greatest change in tilt angle per unit of distance. The station used was Cutler, Maine, 24.0 kHz. For information about the survey and instrument can be found on the Technical Data Form in the back of this report.
OBSERVATION AND CONCLUSIONS

Magnetic Survey 2007:

The magnetic relief varied between 57,044 gammas to 63,810 gammas (difference of 6766 gammas).

The datum was subtracted at 57,000 gammas.

The field Map No. SD-12 /2007/mag can be found at the back of this report. The magnetic trend is north to northeast direction.

In this small section of the new grid there are four small circular magnetic low anomalies noted. The south section of this part of the new grid a large low magnetic band interrupts a high magnetic band crossing the property in a northeast direction.

There are two large overburdened outcrops noted. South of the baseline and the southwest corner of the claim block. Due to timbering operations there are many areas of these outcrops exposed that will be looked at this fall for a geological survey and possibly a stripping project.

Electromagnetic Survey:

The field data is presented on a map at a horizontal scale of 1:5000, Map SD-12/2007/vlf. Cutler, Maine was used in this survey.

Cutler, Maine, showed 3 anomalies in the survey.

C1 - Crosses PL.050E:000 to PL.400E 150N
The topography of the area ranges from glacial eskers to a low lying wet open cut area. The quadrature is negative.

C2 - Crosses PL200E 280S to PL400E 225S.

The topography of the area ranges from the steep east slope of a large overburden outcrop to the flat area of black spruce bog. The quadrature is negative.

C-3 - Crosses PL050E 550S to PL400E 540S.

The topography of the area ranges from flat open cut bogg to spruce bogg sloping south to a large creek, pond system. The quadrature is negative.

CONCLUSIONS

Due to the results of both the magnetic and electromagnetic surveys, a vertical loop EM unit will be run to further clarify the origins of the magnetic high and low systems. Also a Fraser Filter program is being run to help identify the vlf contacts, from geological noise.

A geological survey is being planned for the fall and possibly a small stripping and trenching program is being looked at for the fall of 2007 to help identify the origins of the vlf contacts.

Respectfully submitted,

SEPTEMBER 14, 2006

Miss Wendy K. Weller
Geo-Tech/AGENT
REFERENCES


TECHNICAL DATA

Line (mi/km) 10.9 km
No. of samples/stations 263

ELECTROMAGNETIC SURVEY:
Instrument: GEONICS EM-16
Coil configuration: HORIZONTAL
Method: FIXED TRANSMITTER
Vertical scale: 1 INCH = +40%
Frequency: CUTLER = 24.0 kHz
Coil separation: INFINITY
Parameters: INPHASE & QUADRATURE
Horizontal scale: 1:5,000
Station: CUTLER, MAINE
Operator: MISS WENDY K. WELLER
Accuracy: 1%
Operational technique: CUTLER, MAINE
ALL READINGS TAKEN FACING NORTH 90 DEGREES TO THE STATION.

MAGNETIC SURVEY:
Instrument: MCPHAR GP-8 PROTON
Base station: BL.000
Base station time: EVERY 45 MINUTES
Contour interval: 50-100 GAMMAS
Contoured by: WENDY K. WELLER
Operator: Mr. John Perron
Accuracy: 1 GAMMA
Diurnal method: CLOSED LOOPS BL TIE-INS
Location/value: BL.000
Datum subtracted: 57,000 GAMMAS
Horizontal scale: 1:5,000
Operational technique: SENSOR POLE MOUNT

INDUCED POLARIZATION SURVEY
Transmitter used:
Method:
On time:
Off time:
Power source:
Electrode array:
Readings taken:
Receiver used:
Frequency:
Range:
Delay time:
Output:
Electrode spacing:
Other data:
**ASSESSMENT DATA FORM**

**Type of Work:**
- Prospecting:
- Physical: LINE CUTTING AND CHAINING
- Geophysical: ELECTROMAGNETIC (1 STATION) AND MAGNETOMETER SURVEYS
- Geochemical:
- Assay/Analyses:
- Drilling:
- Other Work:

**Cost of Work:** $7,182.00  
**Dollars applied:** $6,800.00

**Recorded holder:**
- Name: THE PERREX RES.
- Name: TIGER GOLD EXPLORATION
- PERRON GOLD CORP., J.E.PERRON CORPORATION
- GWEN RESOURCES
- Address: 103 Government Road East Kirkland Lake, Ont. P2N 1A9
- Address: 103 Government Road East Kirkland Lake, Ont. P2N 1A9

**Survey/Report Information:**
- Start of work: Sept. 8/07  
  End of work: September 13/07
- Drafting time: Sept.12,13,2007  
  Report time: Sept.13,14,2007
- Completion of report: Sept. 14,2007
- Author: MISS WENDY K.WELLER
- Work performed on claims: L-4225043

Work applied to claim(s):
- PLEASE SEE ASSESSMENT WORK FORM.

Persons who performed work (supervisor first):
- TIGER GOLD EXPLORATION CORPORATION
- WENDY K. WELLER (Supervisor)  
  JOHN E. PERRON (assistant)
- ALAIN PARISCOAT (linecutter), NORMAN GILMOUR (and crew)
CERTIFICATE

I, Wendy K. Weller, of Virginiatown, Ontario, do hereby certify:

1) That I am a Geotech and reside at:

17 Hilltop Crescent
Box 252
Virginiatown, Ontario
P0K 1X0

2) That I graduated from the Haileybury School of Mines as a certified Diamond Driller in 1982. I had a staking license for the past 20 years.

3) That I was employed as a Diamond Driller for Heath and Sherwood for 1 year.

4) That I have been practicing as a Geotech for a period of nineteen (20) years and I am qualified to write this report.

5) That I supervised and participated in this survey.

Date

Wendy K. Weller
Geotech/Agent
SYMBOLS
- Claim Post 
- Claim Line
- Access Road
- Creek
- Pond
- Base Station: Isomagnetic
- Contours
- VLF Contacts

INSTRUMENTATION
- Instrument Used: McPhar GP8
- Datum subtracted: 57,000 Gammas
- Contour Intervals: 100 Gammas

GROUND MAGNETOMETER SURVEY
SD-12
CLIFFORD TOWNSHIP
MAP NO. SD-12/2007/mag
Drafted by: WENDY K. WELLER
Mapped by: WENDY K. WELLER
**SYMBOLS**
- Claim Post
- Claim Line
- Access Road
- Creek
- Pond
- In Phase
- Quadrature
- Contact Axis

**INSTRUMENTATION**
- Instrument Used: Geonics EM
- Station Used: Cutler, Maine
- Frequency: 24.0 kHz
- Vertical Scale: ± 10

GROUND VLF: EM SURVEY

SD-12

CLIFFORD TOWNSHIP

MAP NO. SD-12/2007/vlf

Drafted by: WENDY K. WELLER

Mapped by: WENDY K. WELLER