DETAIL MAGNETOMETER AND ELECTROMAGNETIC SURVEYS ON THE BEAR – 12 GROUP ELLIOTT TOWNHIP LARDER LAKE MINING DIVISION DISTRICT OF TIMISKAMING, ONTARIO

FOR

TIGER GOLD EXPLORATION CORPORATION

June 25, 2010
Miss Wendy K Weller
GEOTECH
TABLE OF CONTENTS

TABLE OF CONTENTS 2
SUMMARY 3
INTRODUCTION 4
LOCATION AND ACCESS 5
PROPERTY HISTORY 5
REGIONAL GEOLOGY 5,6
TOPOGRAPHY 7
Bear-12 Group (12 unpatented mining claims) 7
MAGNETOMETER/ELECTROMAGNETIC SURVEYS 7,8
OBSERVATION AND CONCLUSIONS 8,9
CONCLUSIONS 9
REFERENCES 10
TECHNICAL DATA 11
ASSESSMENT DATA FORM 12
CERTIFICATE 13

MAPS

LOCATION AND ACCESS (FIGURES 1a) and 1b) 1a)
SURVEY LOG: 1 1b)
GROUND MAGNETOMETER SURVEY MAP NO. Bear-12.mag.2010 5a)
GROUND VLF-EM SURVEY – PROFILED MAP NO. B-12/vlf-2010
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 B12/2010/mag and B12/2010/vlf, found in the back of this report. The line cutting was paid for in two phases, Phase A was paid for on May 12, 2010 (PL050E to PL1050SE and baseline) and Phase B was paid for on June 11/2010. (PL1100SE to PL1750SE and remaining section of baseline). The two surveys, chaining, transportation, lunches and maps and report were paid for at the end of the completed grid. A grid map has been included in this report with GPS co-ordinates.
INTRODUCTION

There are 2 blocks in the Bear-12 Grid. Claim 4211989 (block of 3) and claim 4252126 (block of 9) are located in Elliott Township, Larder Lake Mining Division.

On April 15, 2010 a new southeast baseline (125 degree) was turned off the number 4 corner of claim 4211989 for a distance of 1778 meters. Picket lines were turned off every 50 meters perpendicular to the baseline, stations were cut and measured every 25 meters.

Line cutting was contracted out to Mr. Norman Gilmour of Kirkland Lake, Ont.

The magnetometer survey was performed by Miss WK Weller in claim

The electromagnetic survey was performed by Miss Wendy K. Weller as well all chaining of the picket lines and baseline.

All drafting and contouring and report writing was done by Miss Wendy K. Weller.
LOCATION AND ACCESS

The Bear-12 grid is found in the south central half of Elliott Township, east and west of Highway 672.

The Bear-12 grid 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 25 kilometers were the new baseline crosses highway 672.

PROPERTY HISTORY

These two blocks of claims are new claims for Tiger Gold Exploration Corporation.
L-4211989 Magnetometer/vlf (1 station, Cutler, Maine) Survey March 15/2009
TIGER GOLD EXPLORATION CORPORATION
Approved by the ministry, can be viewed at the Larder Lake Office.
L-4252126 Staked and transferred to Tiger Gold Exploration Corporation Nov. 27/2009

REGIONAL GEOLOGY

The Elliott 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 hounded on the south by the Larder Lake Fault and on the north by the Destor-Porcupine Fault, both regional, east-west trending
### SURVEY WORK UNERTAKEN

**TIGER GOLD EXPLORATION CORPORATION**

Survey Log 2:1 BEAR-12 GRID (L-4211989, L-4252126) Elliott Twp.

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Line</th>
<th>Max Extent</th>
<th>Total Survey (Km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 4th 2010</td>
<td>Start of vlf survey, North Dakota station</td>
<td>PL100SE</td>
<td>0.921</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Miss Wendy K. Weller</td>
<td>PL150SE</td>
<td>0.195</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PL200SE</td>
<td>0.244</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PL250SE</td>
<td>0.370</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PL300SE</td>
<td>0.380</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PL350SE</td>
<td>0.771</td>
<td></td>
</tr>
<tr>
<td>June 6th 2010</td>
<td>Continuation of vlf survey</td>
<td>PL400SE</td>
<td>0.921</td>
<td></td>
</tr>
<tr>
<td>June 8th 2010</td>
<td>Continuation of vlf survey</td>
<td>PL450SE</td>
<td>1.021</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL500SE</td>
<td>1.144</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL550SE</td>
<td>1.274</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 9th 2010</td>
<td>Continuation of vlf survey</td>
<td>PL600SE</td>
<td>1.301</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL650SE</td>
<td>1.304</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL700SE</td>
<td>1.277</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL750SE</td>
<td>1.283</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 10, 2010</td>
<td>Continuation of vlf survey</td>
<td>PL800SE</td>
<td>1.290</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL850SE</td>
<td>1.283</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL900SE</td>
<td>1.300</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL950SE</td>
<td>1.308</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1000SE</td>
<td>1.232</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1050SE</td>
<td>1.190</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1100SE</td>
<td>1.291</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1150SE</td>
<td>1.212</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1200SE</td>
<td>1.290</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PL1250SE</td>
<td>1.270</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Description</td>
<td>Values</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------</td>
<td>------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 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, Quebec. Eastern Clifford and Ben Nevis Townships have several base metal showings as well as relatively more bed rock exposures then has the Elliott 37 Group.

**TOPOGRAPHY**

The new grid covers 12 unpatented mining claims (1 block of 3 and 1 block of 9). There is only one small overburdened outcrop showing in these units. A large drainage creek for the Magusi basin runs to the east and north throughout the new grid. The vegetation ranges from very thick pine, balsam, cedar and alder bog to open timber cut areas in the north half of the grid. The small overburdened out crop is found on the baseline at BL1550SE to BL1783SE.
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 precess 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 Form 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 instrument used in this survey was a Geonics EM-16.

The station used was North Dakota 25.2kHz. 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 2010: on L-4252126

The magnetic relief varied between 57,063 gammas to 60,382 gammas (difference of 3815 gammas).

The datum was subtracted at 57,000 gammas.

The field Map No. B-12/2010/mag can be found at the back of this report. The magnetic trend is northeast direction.

There are no high magnetic circular anomalies noted in the section of the new grid.

Through the center section of the grid a large magnetic low anomalie is mirrored by two high magnetic anomalies. The low anomalie may possibly be a large north/east fault or shear zone in the same direction as the magnetic trend.

There is only one overburdened outcrop noted in the new grid. Found at the east end of the baseline (BL 1600SE to BL1783SE).

Electromagnetic Survey: on L-4211989 & L-4252126

The field data is presented on a map at a horizontal scale of 1:5000, Map B-12/2010/vlf. North Dakota was used in this survey.

North Dakota showed 4 anomalies in the survey.

D-1 - Crosses PL750SE 180N to PL1250SE 260N.
The topography of the area is a flat area that has been timbered in 1980's with second growth of alder and poplar. The quadrature is negative. This contact is located in the centre section of a large low magnetic anomalie crossing in a south east direction.

D-2 Crosses PL600SE 160S to PL1000SE 125S.
The topography of the area is flat to a south slope of glacial wash. The quadrature is negative. This contact may also be geological noise.

D-3 Crosses PL1350SE 275S to PL1550SE 225S
The topography of the area is flat to a north side of a glacial hill. The quadrature is negative. This contact crosses the west edge of a small outcrop.

D-4 Crosses PL900SE 375S to PL1250SE 400S.
This contact is north of the large creek that crosses the property. The vegetation varies from pine to balsam to birch. The quadrature is positive.

CONCLUSIONS

Due to the results of both the magnetic and electromagnetic surveys, a vertical loop EM unit should be run to further clarify the origins of the magnetic high and low systems. Also a fraser fliter program is being run to help identify the vlf contact's, from geological noise.

Respectfully submitted,

June 23, 2010

Miss Wendy K. Weller/Geo-Tech./land manager
REFERENCES

Jensen, L.S.  

Ontario Division of Mines  

Ontario Geological Survey  
Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, Elliott Township, by Questor Surveys Limited, Map 80609, Scale 1:20,000. March to July, 1983.

TECHNICAL DATA

Line (mi/km) 33.566
No. of samples/stations

ELECTROMAGNETIC SURVEY:
Instrument: GEONICS EM-16
Coil configuration: HORIZONTAL
Method: FIXED TRANSMITTER
Vertical scale: 1 INCH = +/- 40%
Frequency: NORTH DAKOTA 25.2 kHz
Operational technique: NORTH DAKOTA
Operator: MISS WENDY K. WELLER
Accuracy: 1%
Coil separation: INFINITY
Parameters: INPHASE & QADRATURE
Horizontal scale: 1:5,000
Station: NORTH DAKOTA
All were taken facing northeast to the station.

MAGNETIC SURVEY:
Instrument: MCPHAR GP-8 PROTON
Base station: BL150SE
Base station time: EVERY 60 MINUTES
Contour interval: 50-100 GAMMAS
Contoured by: WENDY K. WELLER
Operator: MISS WK WELLER
Accuracy: + 1 GAMMA
Diurnal method: CLOSED LOOPS BL TIE-INS
Location/value: BL150SE
Datumn 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:
Operational technique:
Receiver used:
Frequency:
Range:
Delay time:
Output:
Electrode spacing:
Other data:
ASSESSMENT DATA FORM

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

Cost of Work: $30705.15 Dollars applied: $30400.00

Recorded holder:
Name: Alberta Gold Corp.
PERREX RESOURCES INC.
TIGER GOLD EXPLORATION CORPORATION
Address: 103 Government Road East Kirkland Lake, Ont. P2N 1A9

Survey Company:
Name: TIGER GOLD EXPLORATION CORPORATION
Address: 103 Government Road East Kirkland Lake, Ont. P2N 1A9

Survey/Report Information:
Start of work: April 16, 2010 End of work: June 23, 2010
Draughting time: 21/06 – 23/06/10 Report time: June 20, 23/2010
Completion of report: June 23, 2010
Author: MISS WENDY K. WELLER
Work performed on claims: L-4211989, L-4252126

Work applied to claim(s):
Please see the assessment data forms.

Persons who performed work (supervisor first):
TIGER GOLD EXPLORATION CORPORATION
Wendy K. Weller (Supervisor)
Mr. Shorty Norman Gilmour line cutting contractor
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 25 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 (19) years and I am qualified to write this report.

5) That I supervised and participated in this survey.

Date

Wendy K. Weller
Geotech
SYMBOLS

Claim post ◀ Line Post ◀
Claim Line --
Highway 672 /\72
Access road (\/\)
Hydro line \/
Ponds ◀ Creek ▼
GPS waypoints ▲

GPS WAYPOINTS

.009 800 meter line post west of #1 corner post for L-4252033
   east side of highway 672. N 48 23.630 / W079 49.571

.012 Baseline crosses Highway 672, BL1021SE, west side of highway
   N 48 23.917 / W079 49.482

.016 North end of claim group crosses Highway 672 at access road to the west
   N48 24.224 / W079 49.366

.018 400 meter line post west of # 4 corner for L-4252126
   N48 22.663? W079 48.041

BEAR – 12 GRID
4211989 @ 4252126
ELLiot TOWNSHIP
lardER lake MINING DIVISION

SCALE 1:5000 ft

REPORT BY: WK WELLER
DRAFTED BY: WK WELLER