LINE CUTTING 
AND 
GEOPHYSICAL 
REPORT 

BENTON TOWNSHIP, ON. 
PORCUPINE MINING DIVISION 

by: 
RAYMOND LASHBROOK 
LASHEX LTD. 
AUG. 2004
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Location and Access</td>
<td>1</td>
</tr>
<tr>
<td>Property</td>
<td>1,2</td>
</tr>
<tr>
<td>Previous Work</td>
<td>2</td>
</tr>
<tr>
<td>Regional Geology</td>
<td>2</td>
</tr>
<tr>
<td>Location Map</td>
<td>Fig. 1</td>
</tr>
<tr>
<td>Property Map</td>
<td>Fig. 2</td>
</tr>
<tr>
<td>Property Geology</td>
<td>3</td>
</tr>
<tr>
<td>Line Cutting</td>
<td>3</td>
</tr>
<tr>
<td>VLF Electromagnetic Survey</td>
<td>3,4,5</td>
</tr>
<tr>
<td>Conclusions</td>
<td>6</td>
</tr>
<tr>
<td>Recommendations</td>
<td>6</td>
</tr>
</tbody>
</table>

Statement of Qualifications

**Back Pocket**
- VLF Electromagnetic Map - Profiles, Values and Fraser Filter Contours
INTRODUCTION
A program consisting of line cutting and a vlf electromagnetic survey was conducted on claims 3005871 and 3005872. This survey located four conductors. Previous airborne surveys picked up conductors in this area some of which have been explored and diamond drilled. It is concluded that these anomalies should be further investigated.

LOCATION and ACCESS
The property is located in the northeast corner of Benton Township and extends into the southeast part of Heenan Township, in the Swayze Greenstone Belt, Porcupine Mining Division, Ontario. The property can be accessed by travelling west on the Sultan Industrial Road located 35 kilometres south of Gogama on highway 144. At kilometre 54 the Dore road heads north and meets with highway 101. At kilometre 16 the Heenan logging road leads north-east and east for ~13 kilometres to a series of cut-over areas. The north side of the property is located just south of one of these areas.

PROPERTY
The property consists of a number of claims in Heenan and Benton Townships:

- 1199044 Heenan Twp.
- 3011886 " "
- 3004853 " "
- 3004858 " "
- 3005870 " "
- 3005871 Heenan and Benton Twp.
- 3005872 " " " "

This work was performed on claims 3005871 and 3005872.
The claims are recorded in the name of:

Raymond Lashbrook (50%)
973 Pine Creek Road S., R.R. #1
PREVIOUS WORK
The property has been subjected to work in the past mainly by:
Weaco Resources Inc. 1986- airborne geophysics, line cutting, geology, geophysics, diamond drilling, assaying.
Raymond Lashbrook 1999 - Line cutting, geology, assaying, soil geochemistry.
The reader is referred to the assessment files at the Ministry of Northern Development and Mines in Sudbury for a complete record of work on the property.

REGIONAL GEOLOGY
The property lies within the Swayze Volcanic Complex of the Abitibi Sub-province, which is the largest assemblage of Archean meta-volcanics and meta-sediments in the Canadian Shield. The east trending Swayze Belt is 25 kilometers wide at the eastern edge and 74 kilometers long. It is terminated against the Kapuskasing Structural Zone by a north-south trending fault.
Recent re-mapping of the Swayze Belt by Kevin Heather, et al, has redefined the belt by age dating and stratigraphy. The mapping shows that the felsic meta-volcanics and the iron formation belong to the Marion Felsic Volcanic series while the mafic volcanics probably belong to the October Lake Mafic Volcanic series.
PROPERTY GEOLOGY

The property is located in the Swayze greenstone belt and is underlain by Marion Felsic to Intermediate Package, the Woman River Iron Formations and the October Lake Mafic to Ultramafic Package on the south limb of the Woman River antiform. According to Heather this highly attenuated zone has resulted in the dislocation of the Woman River Iron Formation forming isolated boudins and in places a higher degree of alteration, i.e. quartz-sericite alteration of felsic volcanics. On the property the rock units consist of intercalated felsic and mafic volcanics and related tuffs along with iron formation (chert, jasper, hematite, carbonate) mainly in the south side of the property.

LINE CUTTING
A total of 11.050 kms. of baseline and crosslines were cut. The old grid was recut in order to take advantage of previous work. Lines were established every 100 metres along the baseline from 1000W to 400W were a mistake in the chaining resulted in L350W being cut and progressed down to 0+50W at 100 metre intervals. Crossline were run at 90 degrees to the baseline and chained at 25 metre intervals.

VLF ELECTROMAGNETIC SURVEY

The survey was run using a Crone Radem using Cutler, Maine transmitting at a frequency of 24.0KHz as the station. Readings were taken every 25 metres along the lines. The readings are recorded as ‘S’ or ‘N’. On the map the south readings are given a negative sign and the north a positive sign. A conductor occurs between a negative on the north side and a positive on the south.
The accompanying map has the dip readings and profiles, and the calculated Fraser Filter values. A total of 9.050 kms. of grid was read.

The survey located 4 good conductors that can be traced across the grid. Other small conductors located during the survey are of probable surficial responses and will not be discussed further.

**Conductor ‘A’**
This conductor is located along the north end of the grid and appears separated into 2 parts. The western part is located from L900W, 225N to L700W, 325N and from L350W, 425N to L0+50W, 450N and off the grid to the east. On L150W this conductor is very strong giving a peak to peak readings of -34 to +26 and a fraser filter value of +82.

This is probably the western extension of a max-min anomaly drilled by Weaco resources that intersected disseminated to massive sulfides over 20.8 feet.

**Conductor ‘B’**
This conductor is located from L1000W, 0+75N to L0+50W, 0+75N. The conductor exhibits good cross-overs with the best being on L600W with peak to peak responses of -20 to +26 and a corresponding fraser filter of +67. On lines 900 and 800W the conductor does not cross-over but is a strong inflection. This is due to the proximity of conductor ‘A’.

The length and strength of the conductor indicates that it is probably caused from sulfides.

**Conductors ‘C’ and ‘D’**
These conductors are located from L1000W, 300S, to L800W, 300S where it splits into north and south parts and continues off the grid to the east. The north part (‘C’) being L0+50W, 300S and the south
part ('D') being L0+50W, 400S. Conductor 'C' appears to be the stronger of the two. The strongest peak to peak response was on L800W being -22 to +20 with a corresponding Fraser filter of +62. The airborne survey indicates numerous 2 to 5 channel anomalies within this area.

A drill hole by Weaco Resources to the south-east intersected disseminated pyrite and iron formation. It is probable that the anomalies are related to sulfide horizons within this sedimentary sequence.
CONCLUSIONS

The geophysical survey conducted over this part of the property located four good conductors that appear to have merit. Previous diamond drilling has located semi to massive sulfides on conductor ‘A’. Further east in anomaly ‘A’ anomalous gold values to 0.024 ounces per ton in the semi-massive sulfide section and 0.09 ounces per ton over 5.5 feet a further 125 feet down the hole were intersected in W-86-2 by Weaco Resources Limited. Anomaly ‘C’ and possibly ‘D’ were probably intersected in W-86-1 by Weaco Resources Limited.

RECOMMENDATIONS

In view of the above positive survey it is recommended that a much larger exploration program be undertaken on this property. This should consist of line cutting, geophysics, geological mapping, stripping and sampling. Ultimately a diamond drilling program will have to be carried out.
STATEMENT OF QUALIFICATIONS

I, Raymond L. Lashbrook, do hereby declare:

i) that I reside at: 973 Pine Creek Road South, R.R.#1
   Callander, Ontario, P0H 1H0

ii) that I attended Haileybury School of Mines in the Two Year Mining Technician
    course from 1967 to 1969.

iii) that I have been practicing my profession ever since.

iv) that I have personal knowledge of the facts presented in this report.

v) that I own a contract exploration company, Lashex Ltd., that performed the
    assessment work being submitted.

vi) that I have 50% interest in the property.

Raymond L. Lashbrook
Aug 15, 2004
Work Report Summary

Transaction No: W0460.01296 Status: APPROVED
Recording Date: 2004-AUG-16   Work Done from: 2004-AUG-02
Approval Date: 2004-AUG-20   to: 2004-AUG-12

Client(s):
157513  LASHBROOK, RAYMOND LEVI
162063  MACDONELL, ANGUS JOHN

Survey Type(s):

<table>
<thead>
<tr>
<th>LC</th>
<th>VLF</th>
</tr>
</thead>
</table>

Work Report Details:

<table>
<thead>
<tr>
<th>Claim#</th>
<th>Perform</th>
<th>Perform Approve</th>
<th>Applied</th>
<th>Applied Approve</th>
<th>Assign</th>
<th>Assign Approve</th>
<th>Reserve</th>
<th>Reserve Approve</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 1199044</td>
<td>$0</td>
<td>$0</td>
<td>$2,400</td>
<td>$2,400</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>2005-AUG-15</td>
</tr>
<tr>
<td>P 3005871</td>
<td>$5,800</td>
<td>$5,800</td>
<td>$3,600</td>
<td>$3,600</td>
<td>$2,200</td>
<td>$2,200</td>
<td>$0</td>
<td>$0</td>
<td>2007-JUL-20</td>
</tr>
<tr>
<td>P 3005872</td>
<td>$468</td>
<td>$468</td>
<td>$268</td>
<td>$268</td>
<td>$200</td>
<td>$200</td>
<td>$0</td>
<td>$0</td>
<td>2006-JUL-20</td>
</tr>
</tbody>
</table>

| Total | $6,268  | $6,268          | $6,268  | $6,268          | $2,400 | $2,400        | $0      | $0             |

External Credits: $0

Reserve:

<table>
<thead>
<tr>
<th>Reserve</th>
<th>Reserve of Work Report#: W0460.01296</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0</td>
<td>Total Remaining</td>
</tr>
</tbody>
</table>

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 C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist
    Raymond Levi Lashbrook
    (Agent)
    Angus John Macdonnell
    (Claim Holder)

Assessment File Library
    Raymond Levi Lashbrook
    (Claim Holder)
    Angus John Macdonnell
    (Assessment Office)
To stake mining claims, consult with the Provincial Mining Recorder's Office of the Ministry of Northern Development and Mines for additional information and limitations. This map may not show unregistered land tenure and interests.

For additional information about mining claims, contact:
- Provincial Mining Recorder's Office
- Ministry of Natural Resources

Contact Information:
- Toll Free: 1-877-670-1444
- Fax: 1 (877) 670-1444
- Topographic Data Source: Land Information Ontario
- Administrative Boundaries: Ontario Provincial Park, Indian Reserve, Cliff, Pit, Mine, Concession, Lot, Township, concessions, lot, claim, mining claim, patent, lease, right of way, easement, flood, rights, licence, other forms of disposition.

IMPORTANT NOTICES:
- This map may not show unregistered land tenure and interests.
- The information shown is derived from digital data available in the Provincial Mining Recorder's Office at the time of downloading.

LAND TENURE WITHDRAWALS:
- Areas Withdrawn from Ontario Mining Acts Withdrawal Types:
  - Surface and Mining Rights Withdrawal
  - Mining Rights Only Withdrawal

LAND TENURE DESCRIPTIONS:
Identifier Type Date Description
- 7912 Worn Jan 1, 2001 400 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS

This map may not show unregistered land tenure and interests.

For a complete list of withdrawn land tenure and interests, consult the Provincial Mining Recorder's Office.