REPORT

On

GRAVEL SANDS EVALUATION

For

HEAVY MINERALS EXTRACTION

In

TYRRELL TOWNSHIP

Larder Lake Mining Division

September 2000

1409457 Ontario Limited
A.H. Clark & Associates
18 Beech Drive
Blind River, On P0R 1B0
Mining Lands Covered by Evaluation

Group A - Mining claim no. LL 1229344

Group B - Mining claim no. LL 1221667

Claim Holders

Mining claim LL 1229344 - Alex H. Clark of 18 Beech Dr., Blind River, On P0R 1B0
“        ” LL 1221667 - 563895 B.C. Ltd of 800-595 Howe St. Vancouver B.C. V6C 2T5

Location and Access

Both claims are located in south central Tyrrell Township. Tyrrell Township is located 20 miles west of Gowganda on the highway to Shiningtree. Both claims are then accessed by a logging road which traverses the township from north to south. Claim 1229344 must be accessed by foot at milage 3.2 and walking east for 1/4 mile. Claim 1221667 may be driven by to by truck and the majority of the claim may be traversed by vehicle.

Author of this report is Alex H. Clark of Blind River, Ontario

Personnel

All work was carried out on the site and in the laboratory by Alex Clark with the assistance of Christopher Guppy of Blind River, Ontario.

Period of Work

September 18, 2000 to September 22, 2000

Summary of Work

A series of 19 samples, each weighing approximately 10 kilograms were gathered from selected sites on the claims. Each sample was dried in a rotary dryer, weighed, screened at 20 mesh and 100 mesh, processed over an Inprosys high - low intensity magnetic separator at various loads and speeds at 4000 gauss and 18,000 gauss to gain maximum separation of the magnetic and non-magnetic materials. Weights were recalculated and each sample resultant was viewed under microscope to determine i) heavy minerals potential for industrial minerals ii) potential for alluvial gold in sands.
Interpretation

Claim LL 1229344 had 60 kilograms of samples taken which revealed an average of less than one percent heavy minerals, 3% combining diopside & hypersthene, 57% feldspar and 39% quartz. It is assumed that all samples taken from this claim were too high in the glacial material to demonstrate a reasonable cross-section of the sands mineralogy. The heavy minerals have been sent for assay and will be attached to this report on receipt of same.

Claim LL 1221667 had 130 kilograms of samples taken which revealed an average of three percent heavy minerals, 7% combined diopside, hypersthene & hornblende, 53% feldspar and 37% quartz. As a considerable amount of road excavation has been done on this claim, all samples taken represent a fair cross section of the sands mineralogy. The heavy sands do not reveal a large amount and therefore cannot be considered as a viable industrial minerals asset however, the heavy minerals fraction has been sent for assays for gold and may represent a viable alluvial precious metals deposit. Further work on this claim and the attached claim to the east is recommended depending on assay results as there exists a huge tonnage of material in this category on both claims. Assays will be attached to this report upon receipt of same.

Qualifications

Alex H. Clark (1409457 Ontario Limited) owns & operates a complete industrial minerals and heavy sands laboratory in Blind River, Ontario and has worked in this field for more than 10 years with past and present projects ranging from Greenland in the north to Chile in the south for such companies as Barton Mines (north america’s oldest mining company) and Western Garnet Corporation as well as Ingersoll - Rand of the U.S.A.

This report is dated September 23, 2000

Alex H. Clark

References;
Jan 18/01

Re Submission # 2.20644

Transaction # W0080.00354 - Tyrrell - 45 day notice - Response date Jan 21 / 01

Attn; Mr. Ron C Gashinski

Dear Sir;

Attached to this fax is the result of assaying of gravel samples as per the above submission. A complete report ( duplicates ) is forwarded to you today by Purolator courier.

Sincerely,

Alex H. Clark
Swastika Laboratories Ltd
Assaying - Consulting - Representation

**Geochemical Analysis Certificate**

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Au PPB</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1</td>
<td>7</td>
</tr>
<tr>
<td>T-2</td>
<td>14</td>
</tr>
<tr>
<td>T-3</td>
<td>10</td>
</tr>
<tr>
<td>T-4</td>
<td>17</td>
</tr>
<tr>
<td>T-5</td>
<td>3</td>
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<tr>
<td>T-6</td>
<td>Nil</td>
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<td>T-7</td>
<td>Nil</td>
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<td>T-8</td>
<td>Nil</td>
</tr>
<tr>
<td>T-9</td>
<td>Nil</td>
</tr>
<tr>
<td>T-10</td>
<td>Nil</td>
</tr>
<tr>
<td>T-11</td>
<td>3</td>
</tr>
<tr>
<td>T-12</td>
<td>Nil</td>
</tr>
<tr>
<td>T-13</td>
<td>7</td>
</tr>
</tbody>
</table>

*We hereby certify the following Geochemical Analysis of 13 Soil samples submitted JAN-15-01 by.*

_Certified by [Signature]

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300*
Top picture
Vibratory screening
Bottom picture
High-Low magnetic separation
REPORT

On

GRAVEL SANDS EVALUATION

For

HEAVY MINERALS EXTRACTION

In

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Larder Lake Mining Division

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This report is dated September 23, 2000

Alex H. Clark

References (equipment)
International Process Systems, Denver, Colorado
Kason - Separator Engineering, Montreal, P.Q.
Chemex Labs, Vancouver, B.C.
Claim no. 1229344
Tyrrell Township
September 2000

A. H. Clark & Associates
From: ALEX CLARK

Claim no. 1221667
Tyrrell Township
September 2000

Road

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S
Declaration of Assessment Work Performed on Mining Land

Ontario

Mineral Act, Subsection 65(2) and 66(3), R.S.O. 1990

amended under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 100, this information will be used to review the assessment work and correspond with the Ministry of Northern Development and Mines, Ontario, P3E 6B5.

From: RLEX CLftHK

Ontario

1. Recorded holder(s) (Attach a list if necessary)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Client Number</th>
<th>Telephone Number</th>
<th>Fax Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex H. Clark</td>
<td>18 Beach Drive, Blind River, ON P0R 1B0</td>
<td>118480</td>
<td>705-356-0658</td>
<td>356-0084</td>
</tr>
<tr>
<td>Ric Holder</td>
<td>(Not shown)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

<table>
<thead>
<tr>
<th>Work Type</th>
<th>Commodity</th>
<th>Total $ Value of Work Claimed</th>
<th>NTS Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geotechnical: prospecting, surveys, assays and work under section 18 (less)</td>
<td>Industrial, precious metals</td>
<td>1500.00</td>
<td></td>
</tr>
<tr>
<td>Physical: drilling, stripping, trenching and associated assays</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rehabilitation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Person or companies who prepared the technical report (Attach a list if necessary)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Telephone Number</th>
<th>Fax Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex H. Clark</td>
<td>18 Beach Drive, Blind River, ON P0R 1B0</td>
<td>705-356-0658</td>
<td>356-0084</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. Certification or Recorded Holder or Agent

I, Alex H. Clark, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the attached report is true.

Signature of Recorded Holder or Agent: Alex H. Clark (Director)

Agent's Address: 18 Beach Drive, Blind River, ON P0R 1B0

Date: Sept 25/00

RECEIVED

SEP 25 2000
<table>
<thead>
<tr>
<th>Mining Claim Number</th>
<th>Number of Claim Units</th>
<th>Value of Work Performed on this Claim and Other Mining Land</th>
<th>Value of Work Assigned to Other Mining Claims</th>
<th>Bank: Value of Work to be Distributed at a Future Date</th>
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<tbody>
<tr>
<td>LL 1229344</td>
<td>one</td>
<td>$500.00</td>
<td>$500.00</td>
<td>0</td>
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<tr>
<td>LL 1221667</td>
<td>one</td>
<td>$1000.00</td>
<td>$500.00</td>
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</tr>
<tr>
<td>LL 1221664</td>
<td>one</td>
<td>$1000.00</td>
<td>$500.00</td>
<td>0</td>
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</table>

**Column Totals**: 1500 1500
Ontario

Statement of Costs
for Assessment Credit

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Act, as amended. Under section 3 of the Mining Act, this information is a public record. This information will be used to review and correspond with the mining land holder. Questions about this collection should be directed to the Province Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 5H5.

<table>
<thead>
<tr>
<th>Work Type</th>
<th>Units of work</th>
<th>Cost per Unit of work</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Claiming Work</td>
<td>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</td>
<td>300</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>Associated Costs (e.g. supplies, mobilization and demobilization)</td>
<td></td>
<td>150</td>
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</tr>
<tr>
<td></td>
<td>Transportation Costs</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Food and Lodging Costs</td>
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</tbody>
</table>

Total Value of Assessment Work: 1,500

Calculated Piling Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claim, use the calculation below:

\[
\text{TOTAL VALUE OF ASSESSMENT WORK} \times 0.50 = \text{Total Value of Work Claimed}
\]

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Ministry may reduce the amount of the assessment work submitted.

Certification:

I, (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as (recorded holder, agent, or state company position with signing authority).

RECEIVED
SEP 25 2000
GEOSCIENCE ASSESSMENT OFFICE
0212 106/37
SEP 25 00 16:01
785 356 0084 PAGE 01
January 24, 2001

ALEXANDER HARRIS CLARK
18 BEECH DRIVE
BLIND RIVER, Ontario
P0R-1B0

Dear Sir or Madam:

Subject: Transaction Number(s):

Submission Number: 2.20644

Status

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #5 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section
 Submission Number: 2.20644

Date Correspondence Sent: January 24, 2001
Assessor: JIM MCAULEY

<table>
<thead>
<tr>
<th>Transaction Number</th>
<th>First Claim Number</th>
<th>Township(s) / Area(s)</th>
<th>Status</th>
<th>Approval Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>W0080.00354</td>
<td>1229344</td>
<td>TYRRELL</td>
<td>Approval After Notice</td>
<td>January 21, 2001</td>
</tr>
</tbody>
</table>

Section:
9 Prospecting PROSP

The revisions outlined in the Notice dated December 07, 2000 have been received and reviewed.

It should be noted that submission of assay results after the submission of a report is only eligible under section 9 (c) of the Assessment Regulations for prospecting and an allowance of only 60 days is provided under this section. The assay results that were provided are dated January 16, 2001. It should also be noted that the filing of a report without the results for the program and where claim(s) are due at the time of filing will, in future, jeopardize the claim(s) standing. Work submissions other than prospecting would be considered incomplete at the time of filing.

In addition to the assay results, a more detailed map of the sample sites which was requested, was not provided. Also, the results of the individual samples were not provided (weights after seiving and magnetic separation).

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

The assessment credit is being reduced by $300. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is $1200.

Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

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.

Correspondence to:
Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
ALEXANDER HARRIS CLARK
BLIND RIVER, Ontario

563895 B.C. LTD.
VANCOUVER, B.C.
Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

**Date:** January 24, 2001

**Submission Number:** 2.20644

**Transaction Number:** W0080.00354

<table>
<thead>
<tr>
<th>Claim Number</th>
<th>Value Of Work Performed</th>
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</thead>
<tbody>
<tr>
<td>1229344</td>
<td>400.00</td>
</tr>
<tr>
<td>1221664</td>
<td>800.00</td>
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</table>

**Total:** $1,200.00