GEOLOGICAL SURVEY

SHAW #2 and #3 GROUPS
(Max and Brown-McDade Options)
SHAW TOWNSHIP, Ontario

Hollinger Argus Limited

RECEIVED
DEC. 9, 1981
MINING LANDS SECTION

Timmins, Ontario
November 17, 1981

J. E. Mountjoy

L.D.
INTRODUCTION

During the period from May 20, 1981 to October 16, 1981 geological mapping was carried out over the Brown-McDade Option (Shaw #3 Group) and the Max Option (Shaw #2 Group), in Shaw Township. Mapping was completed by the writer with the able assistance of one student geologist: Robert King.

PROPERTY, LOCATION and ACCESS

The Brown-McDade Option consists of fifteen contiguous unpatented mining claims, numbered P.451066-P.451068 inclusive, P.539611-P.539617 inclusive and P.539673-P.539677 inclusive. The group is located in portions of lots 9, 10, 11 and 12, Con. VI, Shaw Township, Porcupine Mining Division. The Max Option consists of 2 patented claims HR1018 and HR1040 in lots 9 and 10, Con. VI, Shaw Township, Porcupine Mining Division.

The property is easily accessible via an all weather gravel road from South Porcupine, Ontario.

HISTORY

Numerous trenches have been observed during the mapping of this property. It is believed that some of these were completed more than fifty years ago as there has been active exploration in the area since the early 1900's. In fact the first staking in Shaw Township was done in 1906.

M and M Porcupine Gold Mines Ltd have filed airborne magnetometer and electromagnetic surveys in 1965. These surveys cover a large number of the claims which make up the Brown-McDade Option.

Augdome Corporation Ltd has filed a ground magnetic survey which covers a large part of claims P.451066, P.451067, P.539676 and P.539677. Augdome Corporation Ltd has also filed the results of three diamond drill holes on claim number P.539677 for assessment credits.

Hole number one (Aug-1-66) is located approximately 750' south of the 0+00 BL on line 12E. This hole was drilled on
a bearing of 200° at a dip of -45° for a distance of 362'.
Hole number two (Aug-2-66) is located 975' south of the 0+00 BL, 80' west of line 12E. This hole was drilled on a bearing of 200° at a dip of -45° for a distance of 500'. Hole number three (Aug-3-66) is located 1290' south of the 0+00 BL, 200' west of line 12E. This hole also was drilled on a bearing of 200° at a dip of -45° for a distance of 538'. Iron formations with low gold values were discovered as a result of the diamond drilling.

In 1977 ground electromagnetic and magnetometer surveys were filed by J.P. Larche for assessment credits on the J. Helpert property in Shaw Township.

REGIONAL GEOLOGY

The Brown-McDade Option in Shaw Township is located in the north central portion of a large (approx. 150 sq. Miles) elliptically shaped geological feature. This feature is made up primarily of rocks from the Tisdale and Deloro Groups. The central portion of the elliptical feature is made up of mafic metavolcanics (massive and pillowed flows). The information gained from the pillowed flows show the direction of tops to be away from the centre of the ellipse, thus the theory of a dome structure. This feature is now referred to as the Shaw Dome. Moving out from the centre of the dome, intermediate to felsic pyroclastics and flows of the Deloro Group are found. As one travels from the centre of the dome one encounters the younger sequence of rock types from the Tisdale Group. First rocks of ultramafic composition, then mafic flows, followed by felsic flows and pyroclastics. Closely associated with the felsic rocks of the Deloro Group and ultramafic rocks of the Tisdale Group is a banded iron formation made up of magnetite, carbonate, chert, pyrite and pyrrhotite. The iron formation is quite often patchy and discontinuous.

In the central region of the Shaw Dome numerous outcrops of agglomerate have been mapped, (Carlson, H.D. 1965). The presence of large clasts suggests a proximal environment to one or more vents.
Northwest trending faults associated with the Timiskaming Fault system have been mapped in this region (Carlson, H.D. 1965). One of these faults cross the claims under discussion. The Montreal River Fault is located in the central portion of the Brown-McDade Option. An abandoned power line was built directly on the fault which trends $321^\circ$ as it crosses the Brown-McDade Option. Two other faults cross the property trend north-south on either side of the Montreal River Fault while crossing the Brown-McDade Option.

Late stage diabase dykes believed to be of Matachewan and Keweenawan ages have been mapped in the region (Carlson, H.D. 1965).

ECONOMIC GEOLOGY

Since the early nineteen hundreds, geological exploration has been carried out in this region. The main thrust of this exploration has been the search for gold although there has been some interest in the ultramafic rocks of the Shaw Dome for nickel and to a lesser extent asbestos mineralization.

The two main environments for gold mineralization in the region which have been most actively explored are quartz carbonate veins, particularly those near stocks of quartz feldspar porphyry and the sulphide rich, banded iron formation.

The first environment accounts for virtually all the gold production in the rocks of the Tisdale Group.

The second environment accounts for most of the interesting showings found in the rocks of the Deloro Group, although trenches have been sunk on quartz carbonate veins. The most notable of these being the Tommy Burns vein found on the Malga Property which carries erratic gold values.

The two major showings in the Deloro Group are on the Malga and Carshaw properties which are both located in lots 1 and 2 Con. II, Shaw Township. The main gold bearing unit in the area is banded iron formation located relatively close to intrusions of quartz porphyry and the Croteau Creek Fault.
The iron formations on these properties are locally contorted and brecciated by drag folding thus opening dilatant zones for secondary quartz carbonate veining, sulphide mineralization and auriferous solutions. Although the iron formation is well mineralized throughout, gold values are not always present, but where the secondary veins are mineralized with sulphides they do carry gold values roughly proportionate to the amount of sulphide mineralization present. Published tonnages in the Canadian Mines Handbook reported that the ore reserves for the Malga property in 1947 was 180,000 tons @ 0.2288 ounces of gold per ton. While the ore reserves for the Carshaw in 1949 from the same source was 230,000 tons @ 0.257 ounces of gold per ton.

PROPERTY GEOLOGY

Rock-types and Distribution

The geology of the properties is presented on the accompanying map (1"=200' or 1:2400)(see back folder). Interpretation is based on geological data mapped in outcrop and ground magnetic patterns. Interpreted geological contacts are thought to be reasonable but oversimplified. Although there is a fair amount of outcrop exposure an almost impenetrable cover of lichens makes it difficult to recognize contacts. The effect of the flat dips and changes in topography combine to produce contacts which do not always correspond with the strike of the rock units. In 1966 Augdome Corporation Ltd drilled three holes in the south west portion of the property, these diamond drill holes were logged by A. Hopkins. The three holes are plotted on the accompanying map by projecting contacts vertically.

The oldest rock exposed in the map area is a fine grained intermediate volcanic tuff (A₂t) which is light green to dark green in colour, due to varying amounts of chlorite alteration and bleaching. This unit exhibits finely laminated beds and is moderately to highly carbonitized (cc) in numerous locations. This unit generally strikes SE dipping NE between 48° and 18°.
The overlaying unit is an intermediate pyroclastic agglomerate (A₂agl) that strikes ESE and dips NNE at 31°. This unit is thin (86") and is well exposed along Dome's gravel pit road in the north west portion of the map area. The matrix is fine grained and dark green (chloritic), while the clasts which range in size from 1" to 6", are much lighter in colour. The clasts appear to be homogeneous in composition. Due to the variance in clast size, between the tuff and the agglomerate one could envision one source experiencing explosive episodes of differing intensities or two sources, one distal and one proximal.

The next youngest sequence is a series of mafic lavas (A₂) that strike roughly SE and dip to the NE at approximately 30°. This sequence is made up of massive flows of andesite composition exhibiting a wide variance in alteration from dark green and chloritic, to light green, bleached and highly carbonitized. These flows have an aphanitic texture and amygdules are sometimes found, particularly in the east part of the property and in drill core. It is believed that there has been periods of quiescence in the volcanic activity since in many locations, there are narrow discontinuous units of banded iron formation (E). It is still unclear as to the exact origin of these sediments. One of the possibilities is that these formations are chemical precipitates; another is that they are clastic sediments. The iron formation consists of alternating bands of fine grained, gritty, sugary quartz, black magnetite-rich chert, dark grey massive aphanitic chert and sometimes, bands of dull red jaspilite. Almost all the iron formations in our map area contain sulphide mineralization and on the weathered surface are rusty brown. In many of the outcrops, the iron formations are contorted, and some are cut by secondary stringers of greyish white quartz. In cases where the magnetite rich bands are present, the magnetic survey clearly defines the presence of the iron formation.

Immediately following this period, or periods, of quiescence the first flows that passed over the iron formation picked up xenoliths of the iron formation. Particularly well preserved are xenoliths of the gritty white quartz. These fragments
range in size from \( \frac{1}{2} " \) to 2" and are angular. This unit \((A_2A)\) has only been found in close proximity to iron formation or the magnetic impression of iron formation.

The youngest extrusive of the map area is a pillowed flow \((A_2p)\) which is seen overlying the massive flows in the western portion of the property. In my mapping I was unable to confidently determine a direction of tops although it is generally believed to be to the northeast in this region, (Carlson, H.D. 1964). This means that the rocks have not been overturned. The pillows observed by the author were generally 2' to 3' long with a 3:1 ratio of length to width. The composition of the pillowed flow appeared very similar to that of the underlying massive flows.

South of the 0+00 BL near the Deloro-Shaw Township boundary an intrusive of uncertain age occurs. It has been mapped by the author as a gabbro \((M_1)\). It is medium to dark green in colour and much coarser grained than the extrusive volcanics of the map area. There are also small lath-like feldspars visible in hand specimens.

There are two diabase dykes in the map area, one is a quartz diabase \((O)\) of Matachewan age. The dyke trends NW. It is strongly magnetic and medium to coarse grained. The other diabase dyke is an olivene diabase \((Q)\) of Keweenawan age. This dyke trends ENE across the entire map area. The outcrop of olivene diabase on line 32+00 E shows excellent spheroidal weathering.

On line 4+00 W we have an outcrop that does not appear to coincide with the afore-mentioned sequence. The confusion may be caused by the outcrops proximity to the junction of the N and the NE trending faults.

STRUCTURAL GEOLOGY

Faulting:

There are five faults which cross the map area. The two oldest faults which cross the map area trend NE. These faults are truncated by all the other faults particularly the series of faults that trend NW similar to the Montreal River Fault. This is well displayed on the 1" to \( \frac{1}{4} \) mile Map 2222 entitled Night
Hawk Lake Area (Leahy, E.J. 1968).

The Montreal River Fault which crosses through the centre of the Brown-McDade Option is older than the two N trending faults. This is known because an offset of the Montreal River Fault by the N trending fault found in the eastern section of the property has been mapped near the Dome's gravel pit (Pyke, D.R. 1973).

The two N trending faults are the youngest of the three generations of faults found on the Shaw #2 and #3 Groups. From the afore-mentioned offset of the Montreal River Fault and assuming that the iron formation was continuous prior to faulting both faults show a dextral displacement. Using the magnetic impression of the iron formation we see a dextral displacement of approximately 250' along the N trending fault in the western portion of the Brown-McDade Option.

Folding:

On the map of the Timmins Area (Pyke, D.R. 1973) a questionable anticline is shown passing through the eastern portion of the map area. From the joining of contacts in drill holes (see map, back pocket) it appears there maybe some support for this anticline. Unfortunately, structural measurements (i.e. strikes and dips) failed to substantiate this conclusively.

CONCLUSIONS and RECOMMENDATIONS

The property is underlain by a layered volcanic sequence of predominantly andesitic composition. These volcanics have erratic lenses of banded iron formation located between the flows. The entire property is in the north central portion of the Shaw Dome with the units dipping shallowly to the north or northeast.

Given the status of the property and the nature of the very erratic gold values obtained, primarily in the banded iron formation, further work does not appear warranted at this time.

November 17, 1981

J.E. Mountjoy
SELECTED BIBLIOGRAPHY


Assessment Files - Resident Geologist's Office, Timmins.
Hollinger has drilled 2 holes on the Shaw #3 Group. Hole number one (SH 3-1-81) is located 125m north of the 0+00 BL on line 4E. This hole was drilled on a bearing of 250° at a dip of -45° for a distance of 727'. Hole number two (SH 3-2-81) is located 50m north of the 0+00 BL on XL 6E. This hole was drilled on a bearing of 180° at a dip of -46° for a distance of 528'.

Hollinger has also drilled seven holes on the Shaw #2 Group. Hole number one (SH 2-1-81) is located 150m south of the 0+00 BL on XL 6E. This hole was drilled on a bearing of 180° at a dip of -45° for a distance of 643'. Hole number two (SH 2-2-81) is located 270m south of the 0+00 BL on XL 6E. This hole was drilled on a bearing of 180° at a dip of -45° for a distance of 131'. Hole number three (SH 2-3-81) is located 278m south of the 0+00 BL, 10.5m east of XL 6E. This hole was drilled on a bearing of 260° at a dip of -70° for a distance of 128'. Hole number four (SH 2-4-81) is located 278m south of the 0+00 BL, 10.5m east of XL 6E. This hole was drilled vertical for a distance of 100'. Hole number five (SH 2-5-81) is located approximately 270m south of the 0+00 BL, 4m east of XL 6E. This hole was drilled vertical for a distance of 35.5'. Hole number six (SH 2-6-81) is located approximately 244m south of the 0+00 BL, 4m east of XL 6E. This hole was drilled vertical for a distance of 35'. Hole number seven (SH 2-7-81) is located approximately 244m south of the 0+00 BL, 20m east of XL 6E. This hole was drilled on a bearing of 270° at a dip of -50° for a distance of 59.5'. Vertical projections of the afore-mentioned holes have been plotted on the map entitled "Shaw No's 2, 3 Geology" at a scale of 1"=200'. Iron formations with low gold values were intersected as a result of the diamond drilling.

December 16, 1981

J.E. Mountjoy
### ASSESSMENT WORK DETAILS

**Type of Survey**: GEOLOGICAL

A separate form is required for each type of survey.

**Township or Area**: SHAW TOWNSHIP

**Chief Line Cutter** or Contractor

Name: 
Address: 

**Party Chief**: JOHN E. MOUNTJOY

Name: 
P.O. Box 320, Timmins, Ont. P4N 7E2
Address: 

**Consultant**

Name: 
Address: 

Geological field mapping by: JOHN E. MOUNTJOY

Name: 
P.O. Box 320, Timmins, Ont. P4N 7E2
Address: 

### COVERING DATES

**Line Cutting**

Field: May 20 to October 30, 1981

Instrument work, geological mapping, sampling etc.

**Office**

October 31 to November 20, 1981

### INSTRUMENT DATA

**Make, Model and Type**

**Scale Constant or Sensitivity**

*Or provide copy of instrument data from Manufacturer's brochure.*

**Radiometric Background Count**

**Number of Stations Within Claim Group**

**Number of Readings Within Claim Group**

**Number of Miles of Line cut Within Claim Group**: 9.9 miles (traversed)

**Number of Samples Collected Within Claim Group**

### CREDITS REQUESTED

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<tr>
<th>Survey Type</th>
<th>20 DAYS per claim</th>
<th>40 DAYS per claim</th>
<th>Includes Line Cutting</th>
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<td>Geochemical Survey</td>
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**TOTAL CLAIMS**: 12

Send in Duplicate to:

FRED W. MATTHEWS
SUPERVISOR-PROJECTS SECTION
DEPARTMENT OF MINES & NORTHERN AFFAIRS
WHITNEY BLOCK
QUEEN'S PARK
TORONTO, ONTARIO

Performance and coverage credits do not apply to airborne surveys
SUBMISSION OF GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL SURVEYS

AS ASSESSMENT WORK

In order to simplify the filing of geological, geochemical and ground geophysical surveys for assessment work, the Minister has approved the following procedure under Section 84 (8a) of the Ontario Mining Act. This special provision does not apply to airborne geophysical surveys.

If, in the opinion of the Minister, a ground geophysical survey meets the requirements prescribed for such a survey, including:

(a) substantial and systematic coverage of each claim
(b) line spacing not exceeding 400 foot intervals
(c) stations not exceeding 100 foot intervals or
(d) the average number of readings per claim not less than 40 readings

it will qualify for a credit of 40 assessment work days for each claim so covered. It will not be necessary for the applicant to furnish any data or breakdown concerning the persons employed in the survey except for the names and addresses of those in charge of the various phases (linecutting contractor, etc.). It will be assumed that the required number of man days were spent in producing the survey to qualify for the specified credit.

Each additional ground geophysical survey using the same grid system and otherwise meeting these requirements will qualify for an assessment work credit of 20 days.

A geological survey using the same grid system, and meeting the requirements for submission of geological surveys for maximum credits will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geological survey a credit of 40 days per claim will be allowed for the survey.

Similarly, a geochemical survey using the same grid system with the average number of collected samples per claim being not less than 40 samples, and meeting the requirements for the submission of geochemical surveys for maximum credits, will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geochemical survey a credit of 40 days per claim will be allowed for the survey.

Credits for partial coverage or for surveys not meeting requirements for full credit will be granted on a pro-rata basis.

If the credits are reduced for any reason, a fifteen day Notice of Intent will be issued. During this period, the applicant may apply to the Mining Commissioner for relief if his claims are jeopardized for lack of work or, if he wishes, may file with the Department, normal assessment work breakdowns listing the names of the employees and the dates of work. The survey would then be re-assessed to determine if higher credits may be allowed under the provisions of subsections 8 and 9 of section 84 of the Mining Act.

If new breakdowns are not submitted, the Performance and Coverage credits are confirmed to the Mining Recorder at the end of the fifteen days.
**Ministry of Natural Resources**  

Notification of recording of assessment work credits

Lands Administration Branch  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1W3

**RECEIVED**  
NUV - 3 1981  
MINING LANDS SECTION

Date of recording of work: **October 29, 1981**

Recorded holder: **Hollinger Argus Limited**

Address: **Box 320, Timmins, Ontario P4N 7E2**

Township or Area: **Shaw Township**

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<td>Electromagnetic</td>
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<td>Radiometric</td>
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<td>Induced polarization</td>
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<tr>
<td>Geochemical</td>
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<tr>
<td>Man days ☒ Airborne ☐ Special provision ☐ Ground ☒</td>
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Notice to recorded holder:

☑ Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

☐ Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Mining recorder  

**c.c. Hollinger Argus Limited**
Recorded Holder
HOLLINGER ARGUS LIMITED
Township or Area
Shaw Township

<table>
<thead>
<tr>
<th>Type of survey and number of Assessment days credit per claim</th>
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<td>Electromagnetic</td>
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<td>Magnetometer</td>
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<td>Geochemical</td>
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Man days [ ] Airborne [ ]
Special provision [x] Ground [x]

☐ Credits have been reduced because of partial coverage of claims.
☐ Credits have been reduced because of corrections to work dates and figures of applicant.

Special credits under section 86 (15a) for the following mining claims

10 Days
P 539673

No credits have been allowed for the following mining claims

[ ] not sufficiently covered by the survey
☐ Insufficient technical data filed
P 546159

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60.
Ministry of Geotechnical Natural Resources

Ontario Approval

Mining Lands Comments

- maps not signed or coloured.

To: Geophysics

Comments

☐ Approved ☐ Wish to see again with corrections Date Signature

☑ To: Geology - Expenditures

Comments

approval subject to above

☑ Approved ☐ Wish to see again with corrections Date Signature June 21/82

☑ To: Geochemistry

Comments

☐ Approved ☐ Wish to see again with corrections Date Signature

☑ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)
Dear Sir:

RE: Geological Survey submitted on Mining Claims P 539611 et al in the Township of Shaw

Enclosed are the plans (in duplicate) for the above-mentioned survey. In order to complete your submission we require the following on these maps:

a) both maps must be signed.

b) the outcrop must be designated by colour and by a letter corresponding to the rock type as listed in the legend.

For further information, please contact Mr. F.W. Matthews at 416-965-1380.

Yours very truly,

[Signature]

F. F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A: Barr/sc

Encls:

c.c. Mining Recorder
Timmins.

July 20, 1982.
September 7, 1982

Mr. William L. Good
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

Yours very truly,

E.F. Anderson
Director
Lands Administration Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

/em

Encl.

cc: Hollinger Argus Limited
Timmins, Ontario

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario
An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the “Special Provision-Performance and Coverage” method and you are of the opinion that a re-appraisal under the “Man-days” method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.
December 17, 1981

E.F. Anderson  
Director, Lands Administration Branch  
Ministry of Natural Resources  
Whitney Block, Queen's Park  
TORONTO, Ontario  
M7A 1X1

Dear Sir:

Enclosed is a page to be added to the Geological Report on the Shaw No's 2 and 3 Groups which was filed for assessment credits December 2, 1981. The page is a clarification of the diamond drilling done by Hollinger Argus Limited. The diamond drill holes were vertically projected and plotted on the map entitled "Geological Survey Shaw No's 2 and 3 Groups", but were not explained in the report.

Yours sincerely

J.E. Mountjoy  
Geologist

RECEIVED  
DEC 2 1 1981  
MINING LANDS SECTION
December 18, 1981

Office of the Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4M 287

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P.539611 et al, in the Township of Shaw.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

J. Skura/bk

cc: Hollinger Argus Limited
Timmins, Ontario
Attention: John E. Mountjoy
Hollinger Argus Limited  
P.O. Box 320  
Timmins, Ontario  
P4N 7E2

Attn: Mr. J.E. Mountjoy

Dear Sir:

RE: Geological Survey submitted on Mining Claims  
P 53961 et al in the Township of Shaw

Enclosed are the plans (in duplicate) for the above-mentioned survey. In order to complete your submission we require the following on these maps:

   a) both maps must be signed.

   b) the outcrop must be designated by colour and by a letter corresponding to the rock type as listed in the legend.

For further information, please contact Mr. F.W. Matthews at 416-965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

A/ Barr/sc

Enclos:

c.c. Mining Recorder  
Timmins.
Dear Sir:

RE: Geological Survey on Mining Claims P 539611 et al in the Township of Shaw.

The Geological Survey assessment work credits as listed with my Notice of Intent dated September 7, 1982 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

cc: Hollinger Argus Limited
    Timmins, Ontario

cc: Resident Geologist
    Timmins, Ontario