



41016SW0042 2.7123 HEENAN

010

BLUE FALCON MINES LTD.
GEOLOGICAL AND GEOPHYSICAL COMPILATION REPORT
CLAIMS P.723473 to P.723498 incl.
and P.764702 to P.764707 incl.
HEENAN TOWNSHIP, PORCUPINE
MINING DIVISION, DISTRICT
OF SUDBURY
AUGUST, 1984

RECEIVED

AUG 30 1984

MINING LANDS SECTION

BY:

JOE BANKOWSKI, B.Sc.

2.760' 1



PAGE #

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INTRODUCTION

A program of linecutting, geophysical surveying and geological mapping was performed on the property during the period July 19 to 30, 1984. A baseline was cut east-west across the property with lines running north-south. The lines are on 400-foot spacings with stations every 100 feet. Geophysics consisted of magnetometer and EM surveys.

PROPERTY DESCRIPTION

The property consists of thirty-two contiguous mining claims numbered P.723473 to P.723498 inclusive and P.764702 to P.764707 inclusive, all located in Heenan Township, Porcupine Mining Division, District of Sudbury, Ontario (Figure 1).

The claims are currently in good standing with the provincial mining recorder and are registered to Blue Falcon Mines Ltd., with head office located at 1585-B Britannia Road East, Suites 11 and 12, Mississauga, Ontario, L4W 2M4.

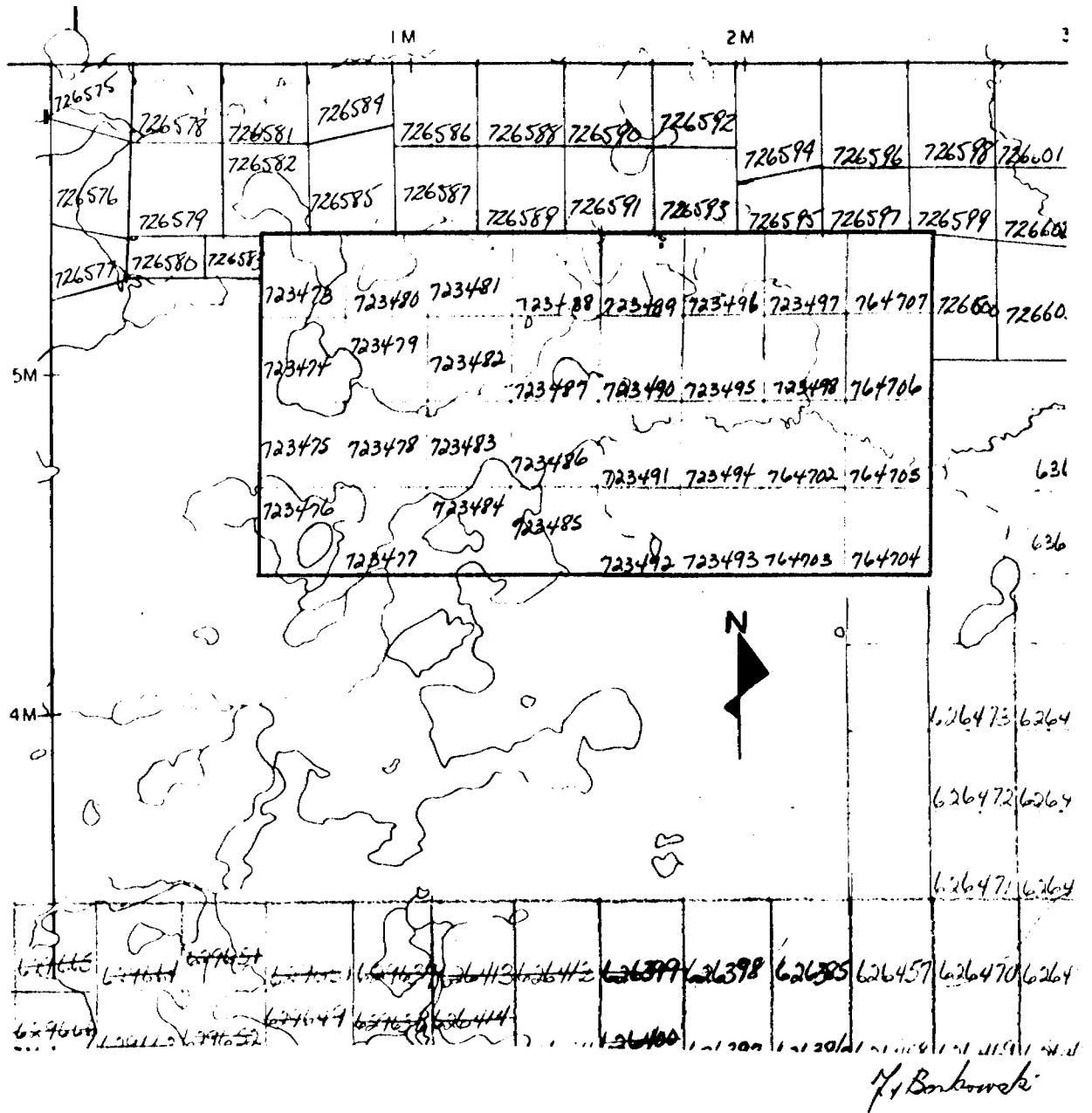
LOCATION AND ACCESS

The property is located in northwestern Heenan Township (see O.M.B.R. plan M-925).

Access to the property is attained via a narrow, unnamed bush road which leads to a campsite on the claim group.

Personnel involved in the linecutting, mapping and surveys travelled to the worksite by motor vehicle and camped on the property.

PLAN NO. M-925



CLAIM LOCATION MAP, HEENAN TOWNSHIP
Scale: 1" - 0.5 mile

FIGURE 1

HISTORY OF EXPLORATION

The general area has been explored at various times for iron, lead-zinc and gold deposits but has seen no production to date (Goodwin, A.M., 1965).

The bulk of the work in the area has been directed to the Woman River iron formation. In general, this iron formation has been found to have too low an overall iron content as well as too high a relative proportion of sulphur to be economically viable.

Lead-zinc mineralization up to 4.97 percent lead and 3.27 percent zinc across 17.5 feet in drill core was obtained from the eastern extension of the iron formation but this mineralization was found to be erratic and discontinuous. Erratic gold values associated with the iron formation have been reported.

With regard to the claim group, limited diamond drilling has been performed by United States Smelting and Refining Co. and by Gulf Minerals on an airborne EM conductor located in the center of the claims. Data on the drilling by U.S.S. and R. Co. in the government files is sketchy and incomplete since this data was not submitted for assessment credit.

At least three drill holes were apparently drilled by U.S.S. and R. Co. during 1970 on the EM conductor. Several piles of scattered core were found on the property and it does not appear that extensive assaying was carried out. A substantial amount of graphitic sediment is represented in the core and likely causes the anomaly at least in part.

HISTORY OF EXPLORATION CON'T.

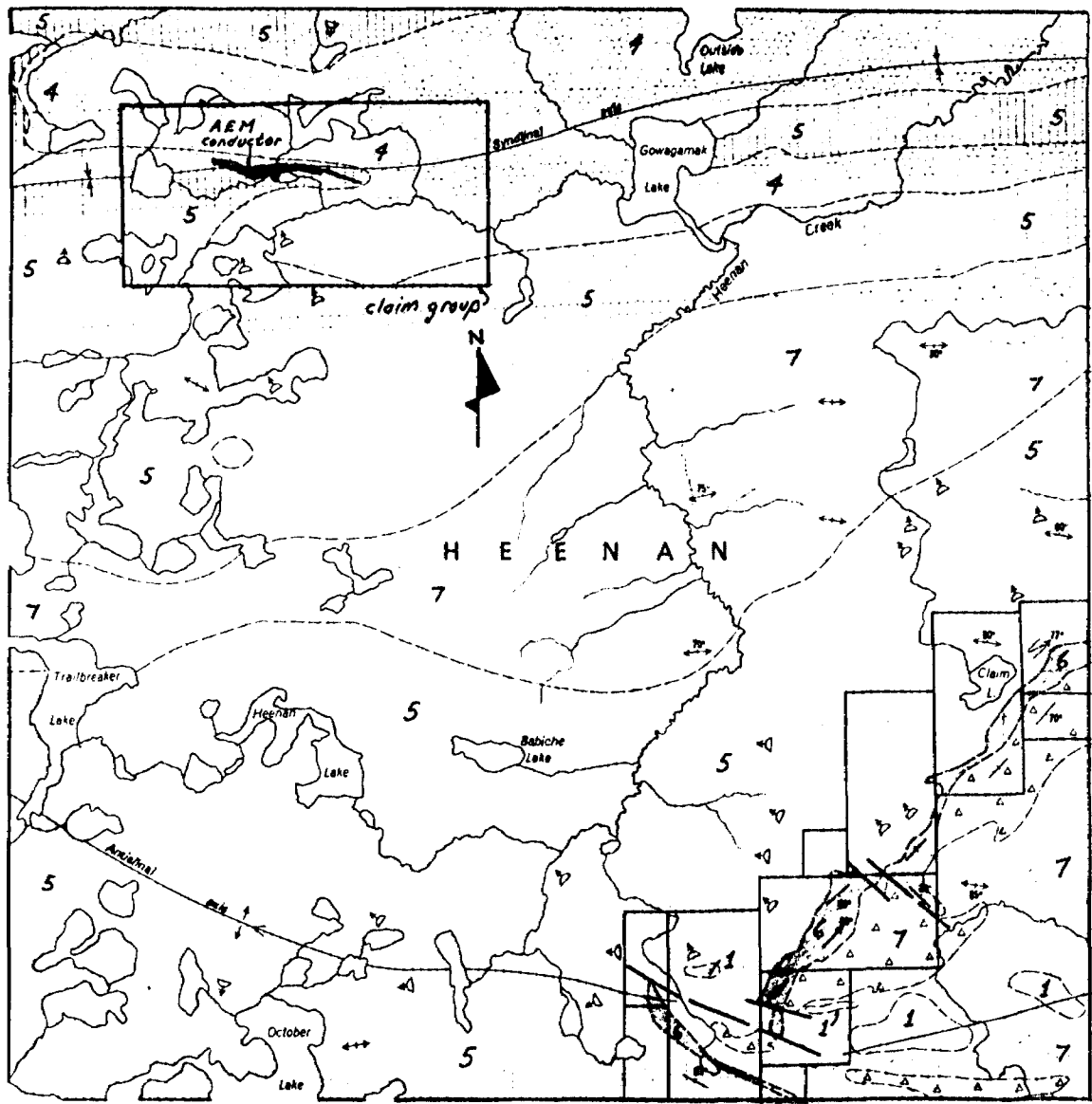
Gulf Minerals drilled one hole on the EM anomaly in 1976 and recorded significant lead and copper mineralization in three zones of graphitic sediment totalling 73 feet in thickness.

GENERAL GEOLOGY

The bedrock of the area is of Precambrian (Archean) age and consists of acidic to basic volcanic rocks and banded iron formation overlain by younger granitic, dioritic and diabasic intrusions (Goodwin, A.M., 1965). These rocks are now folded, faulted, eroded and have a variable covering of Pleistocene and Recent debris and alluvium.

Acid to intermediate volcanic rocks are the oldest in the area and form two bands trending northeast-southwest across the center and southeast corner of Heenan Township (Figure 2). This package of volcanic rocks has been estimated to have a thickness of 10,000 feet. Rhyolite, dacite and trachyte pyroclastic rocks and flows commonly alternate within these bands with rhyolite being the dominant component. Andesite flow and tuff intercalations are present and are generally less than 60 feet thick but locally range up to several hundred feet in thickness. In addition to relatively pure volcanic types within this acid to intermediate sequence, mixed tuffs and breccias are common and seem to represent a varied and complex effusive history.

In general, relatively fine-grained extrusive phases



Scale 1 : 63,360 or 1 Inch to 1 Mile

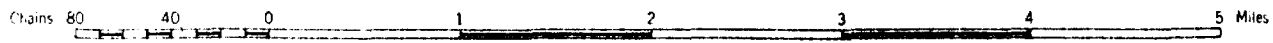


FIGURE 2
GEOLOGY OF HEENAN TOWNSHIP
 (after Goodwin, A. M., 1965)

J. Bombardieri

- 1 Younger diorite.
- 2 Granite-diorite complex.
- 3 Granite, granodiorite, syenite.
- 4 Older diorite of volcanic association.
- 5 Intermediate to basic volcanic rocks.
- 6 Woman River Iron Formation.
- 7 Acid to intermediate volcanic rocks.
- Coarse breccia.
- Direction (arrow) in which inclined beds face as indicated by gradation in grain size.
- Strike and dip; strike and vertical dip; direction of top unknown.
- Direction in which lava flows face as indicated by shape of pillows.
- Strike and dip of schistosity; strike of vertical schistosity.
- Lineation (plunge known, plunge unknown).
- Drag-folds (Arrow indicates direction of plunge).
- Fault, indicated or assumed.

GENERAL GEOLOGY CON'T.

are common in the lower stratigraphic portions of the acid to intermediate volcanic rocks and grade to relatively coarse-grained tuffs and breccias at the upper stratigraphic margin adjacent to the overlying banded iron formation. A general volcanic history of gentle expulsion of fine-grained tuffs and flows succeeded by highly explosive, forceful expulsion of relatively coarse-grained pyroclastic material is seemingly indicated.

Overlying the acid to intermediate rocks are the sedimentary rocks of the Woman River Iron Formation which strike at an approximate azimuth of 45 degrees across the southeast corner of Heenan Township. This iron formation is composed predominantly of interbanded chert and one or more iron-bearing minerals. The iron formation extends along strike for 14 miles and is folded into a near-vertical position. The formation is up to 1,400 feet thick but more commonly consists of two or more parallel bands up to several hundred feet in thickness.

The iron formation, where completely developed, displays an upward transition from siliceous magnetite-siderite with an overall iron content of 30 to 40 percent at the base through jaspery chert and gray-banded chert to light gray, banded chert with an iron content of 5 to 10 percent at the top. The iron formation is conformable to the enclosing volcanics.

Younger volcanic rocks of predominantly intermediate

GENERAL GEOLOGY CON'T.

to basic composition overlie the Woman River Iron Formation. A stratigraphic thickness of 20,000 feet is estimated for this volcanic assemblage. Andesitic to basaltic flows, thin, shaly interflow layers, massive dioritic rocks, rhyolite porphyry and pyroclastic rocks comprise the assemblage with grayish-green andesitic flows predominating. Individual flows are up to several hundred feet thick and display massive, pillowed and breccia zones. Acid, dioritic and later diabasic rocks intrude the older volcanic rocks in the general area.

The volcanic and sedimentary rocks of Heenan Township display pronounced schistosity, an east-west strike and steep to vertical dip.

CLAIM GEOLOGY

The geology of the claim group is relatively simple with basically only two rock types present, namely basic to intermediate volcanic rocks and dioritic rocks most likely derived from the recrystallization of preexisting volcanic rock (Figure 3).

In general, the southwest corner of the property is composed of massive to pillowed, dark green, fine-grained mafic to intermediate volcanic rock. Pillows found at an outcrop on an island in claim 723484 are vertically oriented with the tops of the pillows pointing north. The pillows are of a moderate size (about 2 by 4 feet) and are relatively undeformed.

The remainder of the property is composed of dark,

CLAIM GEOLOGY CON'T.

fine to medium-grained dioritic rock which locally contains up to several percent magnetite. This dioritic rock is most likely derived from the recrystallization of pre-existing volcanic as is evidenced by its' close spatial relationship with the enclosing volcanic rock. A very strong, contorted EM anomaly striking at roughly 100 degrees azimuth and about one mile in length is located in the center of the property (Figure 3).

Examination of assessment files at the Regional Mining Recorders Office and examination of old drill core present on the property suggests that the EM anomaly results from several graphitic horizons. Values of approximately .6 to .7 percent zinc and .1 to .2 percent copper over a distance of 73 feet were obtained from three, separate graphitic horizons by Gulf Minerals Limited in a 1976 drill hole. This drill hole was drilled through roughly the center of the EM anomaly.

The graphitic zones consist predominantly of locally sheared graphite and fine, disseminated to coarse-grained massive clots of pyrite. Some of the old drill core examined by the author contained an estimated content of up to 20 percent anhedral clasts up to 1 by 1 inches in size of pyrite in the graphitic sections. Some banded to massive chert with an appreciable pyrite content was also noted in the old core and probably represents a depositional phase within the graphitic sequence. The old drill core was not in boxes but in piles rendering a complete examination of the core impossible.

GEOPHYSICAL SURVEYS

A VLF-EM and magnetometer survey were conducted over the property during the period July 19 to 30, 1984. A total of 965 readings were taken with the instruments.

The VLF instrument used was a Geonics EM-16 and the primary transmitter used was Seattle, Washington (NLK) with a frequency of 24.8 Khz.

The magnetometer used was a geoMetrics G816 portable proton magnetometer with readings taken on the 60 Khz scale.

A- VLF-EM SURVEY

The VLF-EM readings were taken every 100 feet at stations along the N-S lines. The transmitting station is on an azimuth of about 270 degrees and readings therefore were taken normal to the transmitter facing north on the lines. Both the dip angle in percent and the quadrature values were recorded. The dip angle (in-phase) values and Fraser Filtered values were plotted and cross-overs and contours drawn (Figures 4 and 5 respectively).

A total of 4 cross-overs were obtained on the property. The largest anomaly was found in the center of the property and corresponds to the airborne EM anomaly mentioned previously. This anomaly was traced for a distance of over 7,000 feet and is quite contorted, most likely from tectonic deformation (Figure 4).

The Fraser Filtered values reveal 5 areas along the trend of the above-mentioned anomaly which have a strong response. These areas, from highest to lowest response, are located as follows (Figure 5);

1 - L56+00E - 14+50S

GEOPHYSICAL SURVEYS CON'T.

- 2 - L41+00E - 12+50S
- 3 - L0+00 - 0+50N
- 4 - L24+00E - 7+50S
- 5 - L72+00E - 19+50S

An isolated area of high response lies parallel to the above trend and is centered at L44+00E - 7+50S.

A other, parallel trend with an inferred length of about 3,700 feet exists to the south of the main zone in the western half of the property (Figure 5). This zone has two areas of high Fraser Filter response with the highest area of response centered at L0+00 - 12+50S and this is also the highest response obtained on the property. The other area of high response is centered at L36+00E - 19+50S.

Several other, isolated areas of high response are located at L80+00E - 1+50S, L72+00E - 9+50S, L40+00E - 23+50S and L16+00E - 29+50S.

A large amount of swampy ground is present on the property but except possibly for the conductor located at L80+00E - 1+50S, it does not seem likely that the conductors are due to swamps.

B- MAGNETOMETER SURVEY

Readings on the 60 kHz frequency were taken every 100 feet on the N-S lines and the results plotted and contoured (Figure 6).

The eastern and western portions of the property are relatively magnetically flat with only the central portion showing a significant magnetic response.

Four areas gave readings higher than 62,000 gammas

GEOPHYSICAL SURVEYS CON'T.

and these, in decreasing intensity are as follows;

- 1 - L56+00E - 22+00S
- 2 - L32+00E - 19+00S
- 3 - L64+00E - 24+00S
- 4 - L56+00E - 33+00S

These magnetic anomalies, except for the one centered at L32+00E - 19+00S, do not seem to be directly related to the areas of high EM response. It should however, be pointed out that the highest magnetic responses were all obtained within the volcanic unit.

No through-going structures such as diabase dikes were indicated on the property.

The higher magnetic responses in the north-central portion of the property are likely due to areas of magnetite concentration within the diorite.

DISCUSSION AND RECOMMENDATIONS

It is apparent from the geophysical results that several high-grade anomalies exist on the claim group.

An examination of the old drill core present on the property and the assessment data strongly suggests that the anomalies are due to formational graphitic horizons. A closer examination however, based on the results of this program and the other available data, leads to some interesting observations.

Most interesting, are the assays for zinc and copper obtained from a drill hole located at L40+00E - 12+00S by Gulf Minerals in 1976. Values of up to 1 percent zinc and .2 percent copper were obtained from three graphitic horizons totalling about 73 feet in thickness.

This hole was collared about 50 feet north of an area of high EM response and drilled at -50 degrees on a bearing of 180 degrees to a depth of 508 feet. When this hole is plotted in relation to the EM high, it appears that the first graphitic horizon was intersected to the south of the highest EM response as were the deeper graphitic horizons.

The other holes on the main conductor, drilled by United States Smelting and Refining Co. in 1970 all seem to have been drilled in areas of relatively low EM response.

The graphitic horizons possibly result from volcanic emanations along a fissure system and the areas of high EM response may represent sulphide lenses within the graphitic sequence. These pods would tend to form in

DISCUSSION AND RECOMMENDATIONS CON'T.

paleotopographic lows due to the high specific gravity of the sulphides.

The strata in the area is nearly vertical as is evidenced by the vertical pillows exposed on an island in claim 723484.

In view of these facts it is suggested that the property still has some potential for massive sulphide mineralization.

Any future work to be done on the property should consist of detailed EM surveys on the areas of highest EM response outlined in this report possibly followed by diamond drilling. Drilling should be vertical to steeply dipping on the areas of highest EM response. Three prime areas for follow-up work are located as follows;

- 1 - L0+00 - 12+50S
- 2 - L36+00 - 19+50S
- 3 - L40+00E - 12+50S

REFERENCES

Goodwin, A.M.

1965; Geology of Heenan, Marion and the
Northern Part of Genoa Townships
Ontario Department Of Mines
Geological Report No. 38

CERTIFICATE

I, Joseph H. Bankowski, do hereby certify:

- 1 - that I am an exploration geologist residing at
#138-1055 Shawmarr Road, Mississauga, Ontario;
- 2 - that I am a graduate of the University of
Western Ontario, London, Ontario, and hold a
Bachelor of Science degree as a geologist
dated 1980;
- 3 - that I have been engaged in the practice of
this profession since graduating;
- 4 - that I have no interest, direct or indirect,
nor do I expect to receive any such interest
in the properties or securities of Blue Falcon
Mines Ltd..

J. H. Bankowski

J.H.Bankowski, B.Sc.
Geologist
August 25, 1984



410165W0042 2.7123 HEENAN

900

1984 11 13

Your File: 309-846
Our File: 2.7123

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

RE: Notice of Intent dated October 24, 1984.
Geophysical (Electromagnetic & Magnetometer)
and Geological Survey on Mining Claims
P 723473 et al in the Township of Heenan.

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-6918

S. Hurst:sc

cc: Blue Falcon Mines Limited
Suites 11 & 12
1585-B Britannia Road
Mississauga, Ontario
L4W 2M4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario.

cc: Resident Geologist
Thunder Bay, Ontario

**Technical Assessment
Work Credits**

File 2.7123

Date 1984 10 24

Mining Recorder's Report of
Work No. 309/84

Recorded Holder	BLUE FALCON MINES LTD
Township or Area	HEENAN TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 35 _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 723473 to 498 inclusive 764702 to 707 inclusive

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

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 77 (19)—60:

**Technical Assessment
Work Credits**

File 2.7123

Date 1984 10 24

Mining Recorder's Report of
Work No. 309/84

Recorded Holder	BLUE FALCON MINES LTD
Township or Area	HEENAN TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ 16 days Magnetometer _____ 16 days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 723473-74-75 723477 to 483 inclusive 723485 to 498 inclusive 764702-05-06-07

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

P 723476-84
764703-04

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 77 (19)—60:



Not. 8/84

1984 10 24

Your File: 309/84
Our File: 2.7123

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

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.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R.J. S. Hurst:mc

Encls.

cc: Blue Falcon Mines Ltd
Suites 11 & 12
1585 B. Britannia Road
Mississauga, Ontario
L4W 2M4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports
1984 10 24
2.7123/309/84

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 Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

W.R.
#309184

The Mining Act 27123

- Instructions: - Please type or print
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Sept 28/84

Type of Survey(s) Geological, Geophysical		Township Area Heenan Twp.
Claim Holder(s) Blue Falcon Mines Ltd		Prospector's Licence No. T1441
Address Suites 11 & 12, 1585B Britannia Rd. E. Mississauga Ont. L4W 2M4		
Survey Company Same as above	Date of Survey (from & to) 18y 07 84 28y 07 84	Total Miles of line Cut 22.6
Name and Address of Author (of Geo-Technical report) Joseph Bankowski (address same as above)		

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
	- Magnetometer	20
	- Radiometric	
	- Other	
	Geological	40
For each additional survey: using the same grid: Enter 20 days (for each)	Geochemical	
	Geophysical	
	Geological	
Main Days Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical	
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	723473		P	723496	
	723474			723497	
	723475			723498	
	723476			764702	
	723477			764703	
	723478			764704	
	723479			764705	
	723480			764706	
	723481			764707	
	723482				
	723483				
	723484				
	723485				
	723486				
	723487				
	723488				
	723489				
	723490				
	723491				
	723492				
	723493				
	723494				
	723495				

RECEIVED
AUG 15 1984
MINING LANDS SECTION

RECORDED
JUL 30 1984
Receipt No. 40

Expenditures (excludes power stripping)

Type of Work Performed **PERFORMED MINING DIVISION**

Performed on Claim(s) **304231**

Calculation of Expenditures, Days Credits

A.M. **8:10** P.M. **1:24**

Total Expenditures \$ **15** = Total Days Credits **15**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **32**

Date **July 28/84** Recorded Holder of Agent Signature

For Office Use Only

Total Days Cr. Recorded 2560	Date Recorded July 30, 1984	Mining Recorder <i>[Signature]</i>
Date Approved as Recorded See Revised Statement		Branching Recorder

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Joseph H. Bankowski Suites 11 & 12 1585B Britannia Rd. E., MISSISSAUGA

Date Certified **July 28/84** Certified by (Signature) *J. Bankowski*

October 12, 1984

To: Whitney Block, Room 6643
Queen's Park
Toronto, Ontario

From: Blue Falcon Mines Ltd.
Suites 11 & 12
1585- B Britannia Rd. E.
Mississauga, Ontario
L4W 2M4

Dear Sir:

RE: Your File: 2.7123
Geological and Geophysical Survey
submitted on Mining Claims P 723473
et al Heenan Twp., Porcupine M. D.

RECEIVED	
Mgt. Management Branch	
CIRCULATE <input type="checkbox"/>	
REPLY PLEASE <input type="checkbox"/>	
BY	
OCT 15 1984	
S. E. YUNST	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
M. J. HOGAN	
W. P. BROOK	
RETURN TO R. 6643	

Returned herein are the plans (in duplicate) namely
Figures 3,4,5 & 6 to accompany the above-mentioned
report. These plans have been altered to a scale of
1 inch to 500 feet to conform with regulations.
I regret the oversight on my part and will insure that
it does not happen in future.

Yours sincerely,

J. Bankowski
J. Bankowski
Geologist

RECEIVED
OCT 16 1984
MGT. MGMT. BRANCH

September 17, 1984

File: 2.7123

Blue Falcon Mines Ltd
Suites 11 & 12
1585 B Britannia Road
Mississauga, Ontario
L4W 2M4

Dear Sir:

RE: Geophysical (Magnetometer & Electromagnetic)
Survey submitted on Mining Claims P 723473
et al in Hennan Township

Returned herein are the plans for the above-mentioned report. (in duplicate). In order to be acceptable, all plans are to be drawn on a scale of not more than five hundred feet and not less than one hundred feet to one inch. Please have these plans redrafted and return them to this office quoting file 2.7123.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder
Timmins, Ontario

Encl.

1984 09 11

Your File: 309
Our File: 2.7123

Mr. Bruce Hanley
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) and Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 723473 et al in the Township of Heenan.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

A. Barr:sc

cc: Blue Falcon Mines Limited
Suites 11 & 12]
1585 B. Britannia Road E
Mississauga, Ontario
L4W 2M4
Attn: Joseph Bankowski

m EM GL.

m EM GL

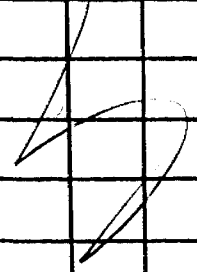
27123

723173	1/4	1/4	1/4	723490	✓	✓	✓
74	3/4	3/4	3/4	91	✓	✓	✓
75	1/2	1/2	1/4	92	✓	✓	✓
76	NC	NC	3/4	93	✓	✓	✓
77	3/4	3/4	1/2	94	✓	✓	✓
78	1/4	1/4	✓	95	✓	✓	✓
79	✓	✓	✓	96	1/2	1/2	1/2
80	1/4	1/4	1/4	97	✓	✓	✓
81	✓	✓	✓	98	✓	✓	✓
82	✓	✓	✓	764702	1/2	1/2	✓
83	1/4	1/4	1/4	3	NC	NC	✓
84	NC	NC	1/2	4	NC	NC	✓
85	1/2	1/2	1/4	5	1/2	1/2	✓
86	1/4	1/4	1/4	6	✓	✓	✓
87	✓	✓	✓	7	NC	✓	✓
88	1/2	1/2	1/4				
89	3/4	3/4	1/2		6 1/2	6 1/2	4 7/8
					4 NC	4 NC	

GL.

$40 \times 32 = 1280$

$1280 \div 36.75 = 34.8$
 $= 35$

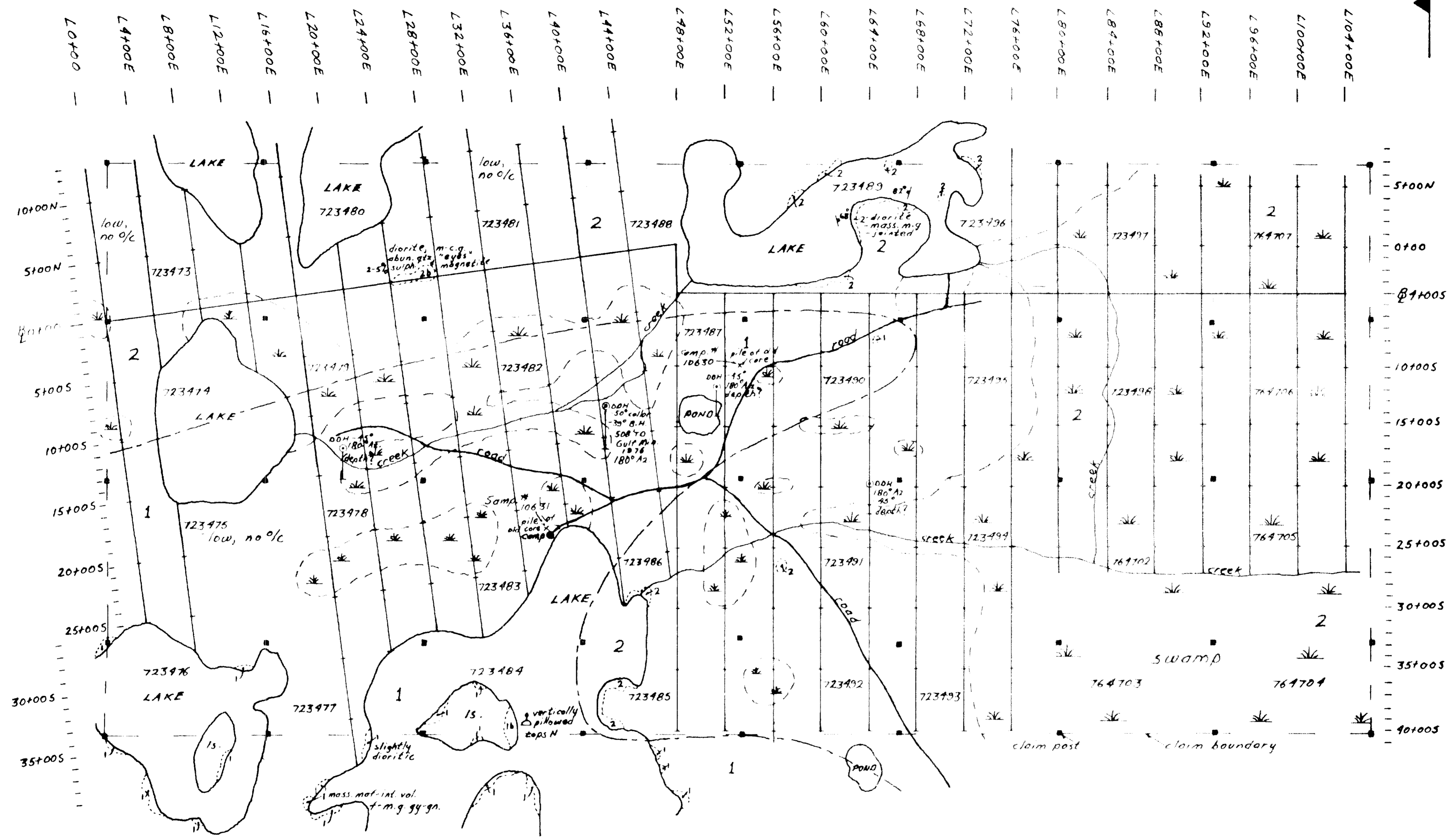
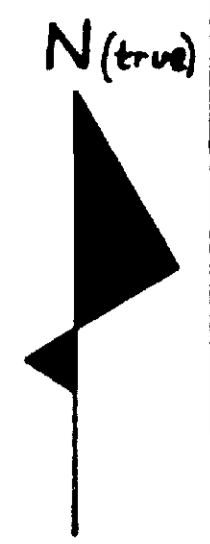


EM

$m \ 32 - 4 = 28$

$26 \times 20 = 520$

$520 \div 32.5 = 16$



Legend

- Archean
- 1** - mafic volcanics
 - gray to green
 - fine to medium grained
 - relatively massive, unaltered
 - some minor calcite veining
 - minor to 2% sulphides
 - b- locally pillowed
 - 2** - diorite of volcanic association
 - abundant Na-feldspar
 - medium to coarse grained
 - relatively massive, jointed
 - fresh, unaltered, abundant, blue quartz "eyes"
 - b- locally, with up to 7% sulphide and magnetite
- geological contact

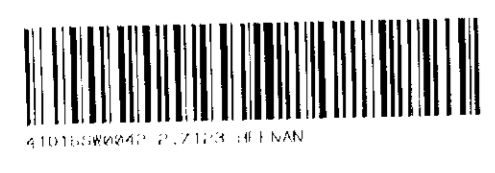
FIGURE 3

BLUE FALCON MINES LTD.

GEOLOGY PLAN
HEENAN TOWNSHIP
PORCUPINE MINING DIVISION
DISTRICT OF SUDBURY

Scale: (Feet)

Drawn by: J. Bankowski, Aug./84



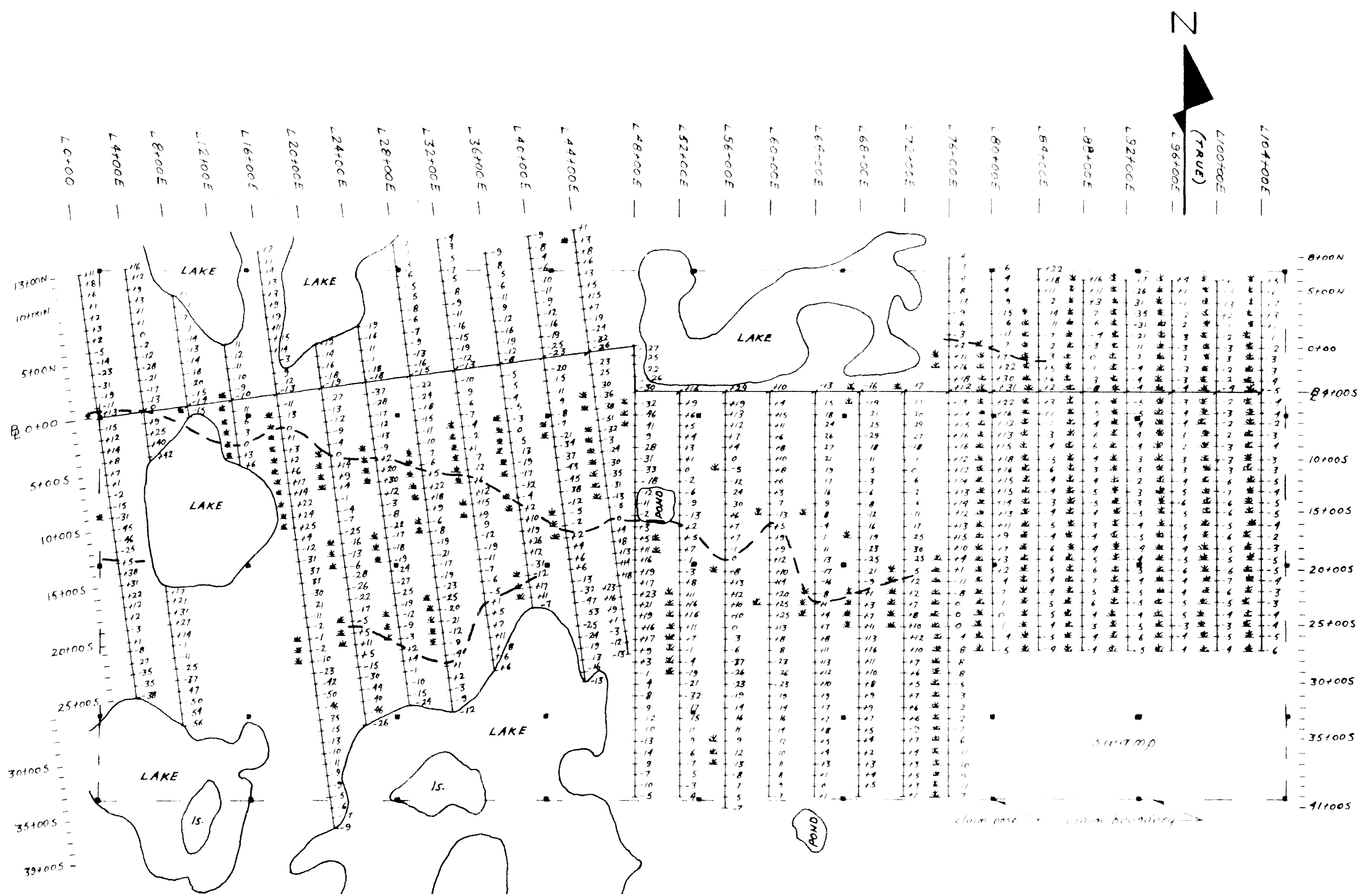


FIGURE 4

BLUE FALCON MINES LTD.

VLF-EM IN-PHASE PLAN (DIP%)
 HEENAN TOWNSHIP
 PORCUPINE MINING DIVISION
 DISTRICT OF SUDBURY
 Transmitter: NLK Seattle, Wash. (24.8 KHz)
 Scale: 1" = 500' (feet)
 Drawn by: J. Bankowski, Aug. '84



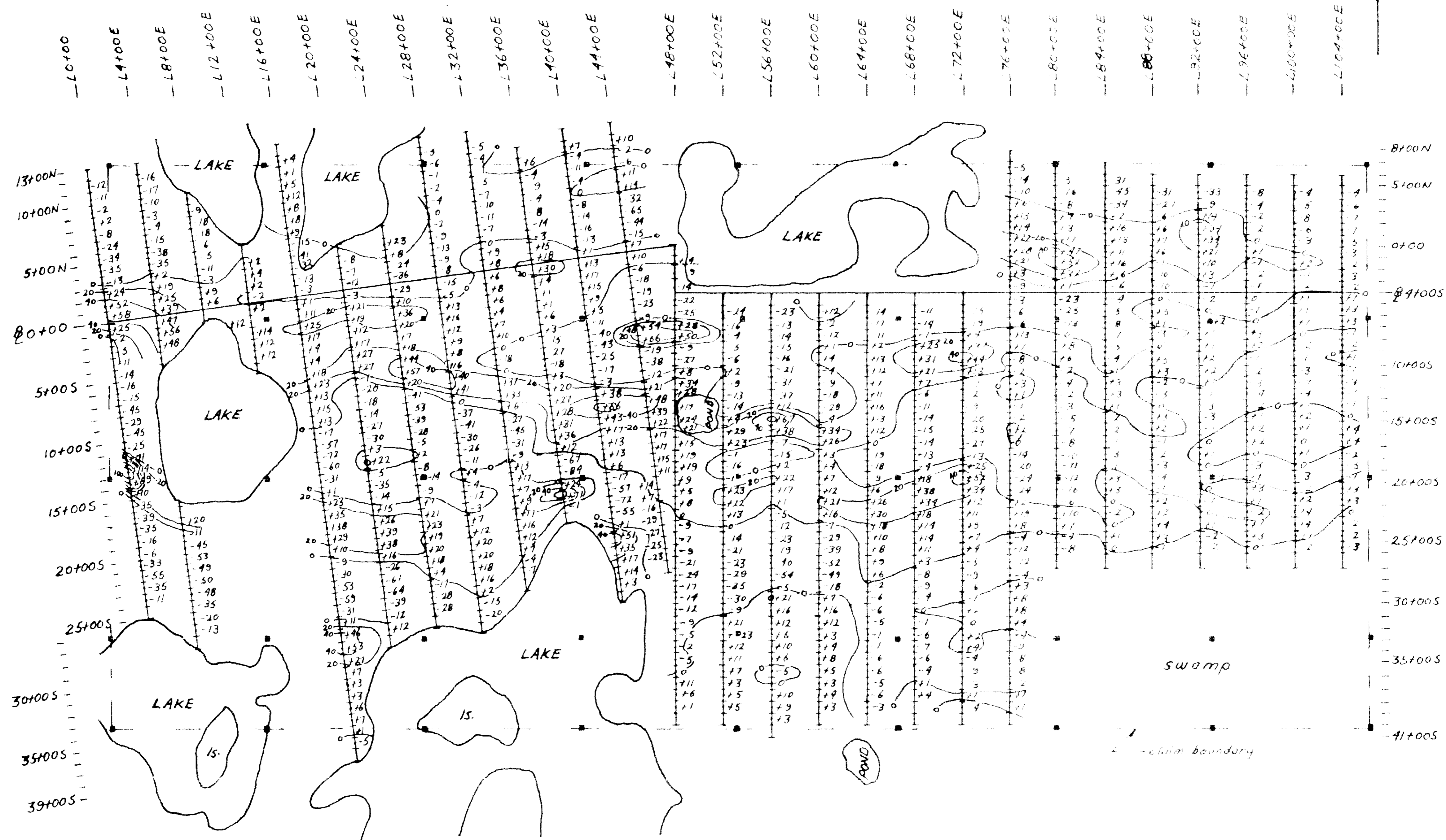
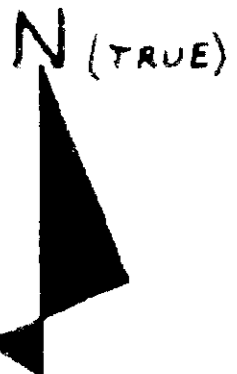


FIGURE 5

- VALUES
- 0-20
 - 20-40
 - 40-60
 - 60-

BLUE HILL MINING LTD.

VLF-EM FRASER FILTER PLAN
 HEENAN TOWNSHIP
 PORCUPINE MINING DIVISION
 DISTRICT OF SUDBURY
 Transmitter: NLK Seattle Wash. (24.8 kHz)
 Scale: 1" = 100' (TRUE)
 Drawn by: J. Bunkowski, Aug/84



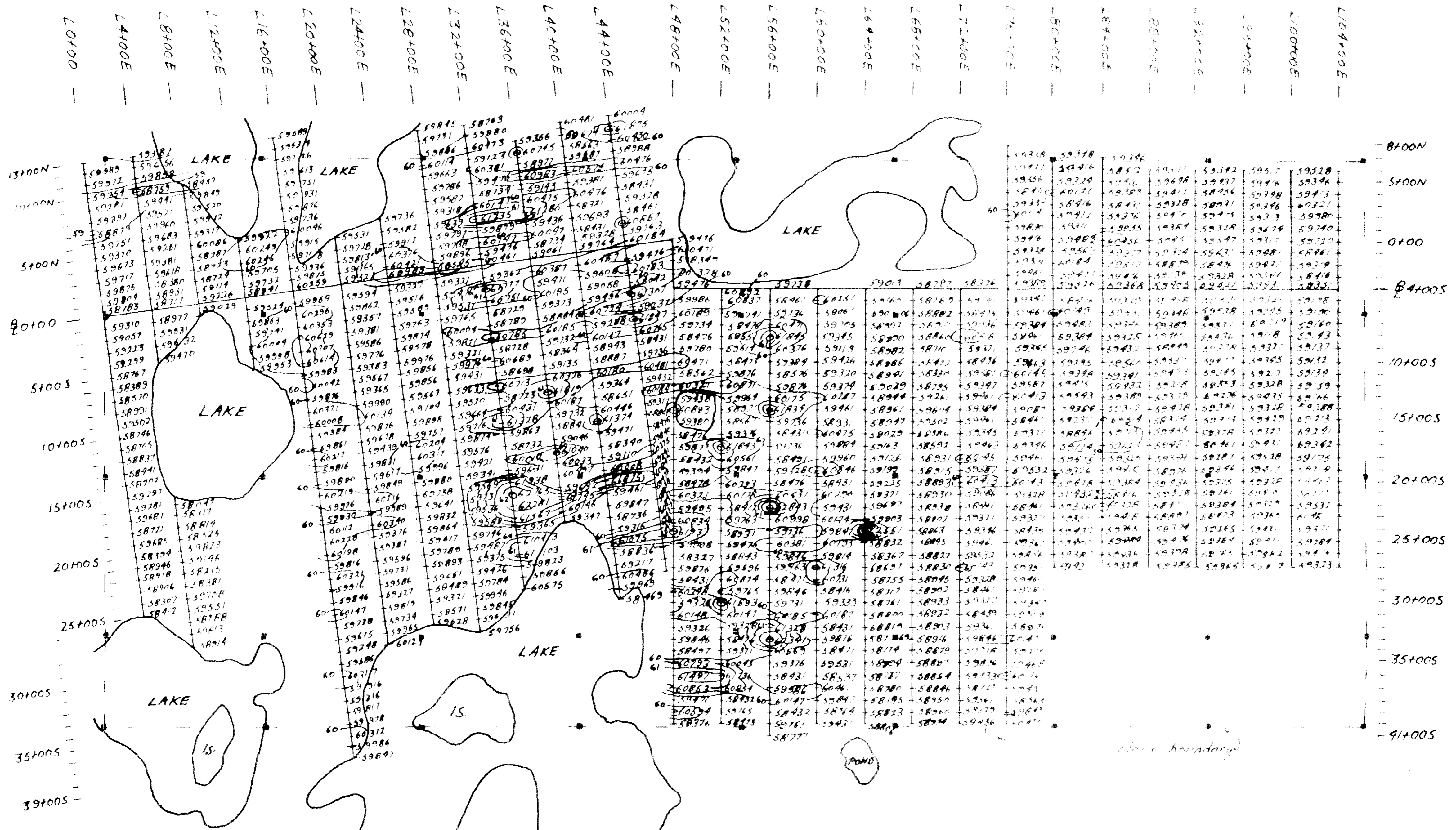


FIGURE 6

Legend

- 60-61,000 g
- 61-62,000 g
- 62,000 - g

BLUE FALCON MINES LTD.

MAGNETOMETER PLAN
 HEENAN TOWNSHIP
 PORCUPINE MINING DIVISION
 DISTRICT OF SUDBURY
 60,000 gamma scale Interval - 500 gammas
 Scale 1" = 100' (feet)
 DRAWN BY: J. R. BARKER, Aug. 1960

