$$
\begin{aligned}
& \text { HN - 2m? }
\end{aligned}
$$

INTmollembin
$111 A_{1}: 1!978$ a group of seven (7) claims was staked in
Eumbming 'lownshi!' to cover a rulatively well known anc-gold occurrence
in the central part of the township, lying just to the south of a group
of putented claims cwned by Falconbridge Nickel Mines Limited.

Later in 1976 an eighth olaim was staked to the west boundary
of the existing group to cover another small nickel-copper occurrence.
kedogaming 54 consist $;$ of eight claims numbered:
$\mathrm{P}-528640$ to $\mathrm{P}-528646$ (incl.)
P-528706

GOGTION AND ACCBSS:

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            Kenoyaming Townohip' itself is about 40 miles southeast of
Fimmins. Highway fal tronds east-west across Sewell Township to the
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tie burth and ntwnem latke to the east.
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While almost sixty furcent ot the area consists of mafic to


lamally, tibe claime them; ives cover a zone of sheared, silicified




White the wred hat: bern quite active since the very early 1900 's prospecting and interest has been sporatic, coinciding with the respective discoveries of the Ratho fill Iron, Reeves Asbestos and Joburke Gold.

In the fost few years however, activity has been minimal.

The ara of concern here however, has been examined extensively by mumerou; uomphairs from 1947 to 1971 , but reliable, systematic documentation of specific sumver rasalts is lacking.

Suffirient doubt, us to the quality of past evaluation of the area, coupled with recent exposure of new outcrop areas by logging operations, have warranted further oxamination of this prospect.

Survey Methods:
hine Cut ting:
A baselime (ar. $\mathrm{On}^{\circ}$ ) was established through the chaim block, with lines buind thrned uff at riqht angles at 100 m intervals.

Thest were picheted at 20 meter intervals and were extended to the elam twhmarifer.

Lines extend from 9 W to 8E. A small area consisting of Akweska Lake, could not be covered the to unsafe ice conditions.

Manne: ics:
A modil $;-816$ (iemetries Proton Magnetometer was used in this surwey and $i$ : designod tor mensumements of the earth's magnetic field.

$$
\begin{aligned}
& \text { Fuributi wrin rurorded at anm intervals. }
\end{aligned}
$$



Hericarntaldiocu-





 of hali it's lemotir.

He atorie $j s$ alon made in consideration of four available Ert:qufteios ( $1777 \mathrm{~Hz}, 38 \mathrm{sm}, 444 \mathrm{~Hz}, 222 \mathrm{~Hz}$ ) of which one or any combination may be chosin ti, uuit the onditions of overburden conductivity and depthe

H'brefrnambe cuble serves to "buck out" or "nullify" the transmitump fimary fi fad, which in turn allows for measurement of the In-phasf (I.I.) wh (hat-Of-Phase (O.P.) components of any resultant secondary tiold budedi by any traversed conductive zones.
for this promerty, two different cable lengths were used to complet" the ome survey.
'Ibe contral portion of tho property was read using the 240 m cable with reduimus taker at an intervals. The east and west portions of tha frid wer: sodrveri! usimg the 120 m cable with readings at 2om intervals.
flar rasult,al , lata flotted in protile, provides a raliabla source



 receiver.

 of thext and tho seluction ot any one is determined by the station which is located in the some dirutiom as the regional geologic strike; for this gronp, Cut ler Maine was ustei.

While the Rnorm can measure several compoments ot the rosultant
field, only dip wifle madiurements were recorded.

Hha:; is; the and] , if inelisation measured from the horizontal
in degrers.



It mefrs totusilitata interpcetation and correlation of the
 simbltanornaly in lini: suretion.

Previont: wort: ky othor companies; had indicated that thes
 susperted that tifreminht be littlo or no response to a conventional Horizontal 1aか口 surver.

Juspite ,his, it whs decided to conduct the survey, but using the maximum oble bomgth passible, in order to test for any possible sulphide combint ivity at arper levels.
rher Ginite of cuble lengths however, was rostricted by the lemith ot :invey ] inta so two cable lengths were used. Lines gw to fw and



Nolk: Hoth aible lemgths wro plotede on one map with geprater


Nu momalum hesponsec were detected in the course of the survey.

While the V.L.F.E.M. survey yielded no significant anomalies, a mumber of woaker ressionses do exist. viewed in relation to the Magnotic surve\%, lownl arologio and tosographic foatures, many of these could be


Herw ver, since mansing of the group has yet to be done, it would


















 :1.1! $11 \cdot$.



Hha जrifint miseralizod shoar which was the motivating arra
 V.I.F. siurverve.

CONCIBMTONS; ANO KBCMMMENDATYON: :

While mon of tim surveys have drone anot isina tor mbamece : ie
 arrai.




Den Ehumlly.

Type of Survey (s) V.L.E. EM, Herizentab hop, Magnetometer

Township or Area_Kenogaming
Claim Holders) Texas gulf caned $L t d$. P.O. DO 175, Suite 5000, Commerce Court, Terento Survey Company Texasgult Inc. (Exploration) Author of Report Den E Iremblay
Address of Author_Bex 1140,571 Monet, Time ins. Covering Dates of Survey_Dec. $/ 7 g-$ Mel (lin cutting to ofllec) $/ 80$
Total Miles of Line Cut $\quad 14.4 \mathrm{Km}$

| SPECIAL PROVISIONS |  |  |
| :--- | :--- | :---: |
| CREDITS REQUESTED |  |  |$\quad$ Geophysical | DAys |
| :---: |
| per claim |
| ENTER 40 days (includes |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer $\qquad$ Electromagnetic $\qquad$ Radiometric (enter days per claim)
date: May $29 / 80$ signature:


Res. Geol. $\qquad$ Qualifications $\qquad$

## Previous Surveys



## MINING CLAIMS TRAVERSED List numerically

## 0

GEOPHYSICAL TECHNICAL DATA


Number of Stations $\qquad$ 751 Number of Readings $\begin{array}{ccc}\text { May } & \text { HEM } & \text { VLF } \\ 751 & 429 & 751\end{array}$
Station interval $\left.\begin{array}{l}V \angle F \\ M a g\end{array}\right\} 20 M\{H E M-20 M E 40 M$ Line spacing_ 100 M
Profile scale - $H E M-\angle C M=20 \% 0^{\circ} \quad V L F-/ C M=10^{\circ}$
Contour interval 1000 gamma basie
Instrument G816 Geometries Total Field Mog
Accuracy - Scale constant $\pm 1$
Diurnal correction method _ - closed lop
Base Station check-in interval (hours) 1 hr.
Base Station location and value $00 B 6,50,59273$
$\qquad$


Parameters measured HEM-Inphase and Out-of Phase

$$
V L F-D i p A n g l e
$$

Instrument $\qquad$
Scale constant $\qquad$
Corrections made $\qquad$

Base station value and location $\qquad$

Elevation accuracy $\qquad$

Instrument $\qquad$
Method $\square$ lime DomainFrequency Domain
Parameters
On time $\qquad$ Frequency $\qquad$

- Off time $\qquad$ Range $\qquad$
Delay time $\qquad$
- Integration time $\qquad$
Power
Electrode array $\qquad$
Electrode spacing $\qquad$
Type of electrode $\qquad$







