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TOMROSE MINES LIMITED

CRERAR TOWNSHIP PROPERTY

ONTARIO

Willowdale, Ontario
March 1, 1966

H. Grant Harper, F.G.A.C., P.Eng.
Economic Geologist

TOMROSE MINES LIMITED
CRERAR TOWNSHIP PROPERTY
ONTARIO

AN APPRAISAL OF THE EXPLORATION WORK DONE ON THE
TOMROSE PROPERTY

BY
FALCONBRIDGE NICKEL MINES LTD.



INTRODUCTION

During the past year Falconbridge Nickel Mines Ltd. has completed an extensive geophysical exploration of the Tomrose property in Crerar Township and has submitted all of its findings to the officers and directors of the Company. The exploration work is summarized in two reports: the geology by R.N. Saukko and the geophysics by D.J. Salt. These reports are technical reports and in their presentation they presume that the reader has a technical knowledge of the exploration techniques involved. In this report I will try to interpret the Falconbridge technical reports into layman's language and to appraise the results of the exploration work done.

SCOPE, SURVEY METHODS, AND LIMITATIONS

The electromagnetic survey was made with a Ronka or a Crone instrument depending on the topographic relief. The Ronka instrument is best suited to flat terrain whereas areas of sharp

relief do not detract from the reliability of Crone survey results. These instruments, like all survey tools, have certain limitations. First, they can search only from surface to a vertical depth of 200 or, at most, 300 feet. Second, they can detect only those orebodies which are "continuous conductors". A graphitic shear zone is one of the commonest types of continuous conductor. The type of continuous conductor sought on the Tomrose claims was a sulphide conductor and to be a conductor, the sulphide grains must touch each other so that an electrical impulse can flow between two fairly distant points without impedance. A 'disseminated orebody', that is one in which the sulphide grains are disseminated through the rock, cannot be detected by the Ronka or Crone instruments.

The electromagnetic instrument readings were taken at 100 foot intervals on lines 200 feet apart. This survey interval is too close to be regarded as reconnaissance and too distant to be classed as detail work. In short, the survey interval is in accordance with good exploration practice and as such the results are wholly acceptable.

A magnetometer survey produces a measure of the magnetism of the underlying formations. This magnetism is caused mostly by the iron oxide, magnetite, but it can be caused by the iron sulphide pyrrhotite which is often associated with valuable mineral. Those areas of intermediate and strong magnetism may be indirect reflections of valuable mineral. Most of the magnetometer readings are a reflection of the more or less normal magnetite content of rocks and the slight variations indicated often correspond to changes in the rock character. Thus a magnetic survey can also help to interpolate geology, between outcrops. In modern exploration programs, magnet-

ometer surveying is as fundamental as prospecting. The magnetometer survey of the Tomrose property has a density of readings 50% greater than is customary.

The geological survey did not cover all of the property but was confined to a strip 500 to 600 feet on either side of the gabbro-paragneiss contact. The mapping was done on a scale of 1 inch to 100 feet. The work provided far more detail geology than had been available before.

EXPLORATION RESULTS ON TOMROSE PROPERTY

Electromagnetic Survey

Only two very weak and discontinuous conductors were found in the whole survey and these are both located on Line 40E on claims T53159 and T53158. One of the conductors, designated A, was drilled by Falconbridge but the cores contained no significant amount of sulphides. The untested conductor is not an attractive exploration bet. In my opinion, neither zone warrants the name anomaly.

With respect to the overall electromagnetic survey one can only say that the job done was commendable but the results disappointing. One can state, probably with certainty, that on the Tomrose ground surveyed there is no zone of massive sulphides over 200 feet long lying within 250 feet of the surface of the ground.

Magnetometer Survey

The magnetometer survey results are a positive contribution to the exploration of the Tomrose claims. First, the survey has outlined a large northwest striking dike and has helped to extrapolate geology in other minor ways. Second, a number of zones of varying size and of above normal magnetism were located. Now sulphide and magnetic minerals are associated on the Tomrose property and as

4

stated by the Falconbridge men these areas warrant surface examination although the electromagnetic survey clearly indicates that no massive sulphide occurs near surface.

Geologic Survey

This survey has provided much new information. Most importantly the location of the south gabbro-paragneiss contact has been mapped in detail right across the property.

The concept of a complex norite-gabbro-quartz diorite-anorthosite complex is not supported by Mr. Saukko. Instead, he classes the intrusive as a multiphased gabbro probably of the same type as the Sudbury Gabbro. Mr. Saukko's survey in field and laboratory is the most extensive performed on the property and his opinions are more firmly based than any other opinion. However, a few points should be noted. First, Mr. Saukko identifies an orthopyroxene bronzite in drill hole 12 and the presence of an orthopyroxene does, by definition, identify the rock as norite. Second, laboratory work by the Ontario Department of Mines has also identified a rock specimen from the property as a norite. From the fundamental viewpoint of trying to find mineral, the academic problem of correctly naming an intrusive is of secondary importance. However, were professional opinion agreed that the intrusive was a complex gabbro-norite, then the opinion that the Crerar Township area is a favourable location for copper-nickel deposits could be strengthened.

The following list is a sheet by sheet analysis of the geophysical and geological results recorded by the Falconbridge exploration crews.

Sheet 1.

L5000E (1200 to 1600S) - 2 strong mag anomalies, poorly defined.
L5600E (2500N) - series of small mag readings, all high.

Sheet 2.

L5800E (2500N) - small mag zone ass. with faults.

Sheet 3.

Of no interest.

Sheet 4.

L1000E (3200 to 3600N) - strong mag anomalies along edge of swamp - swamp unsurveyed, if any good indicators found then re-survey in winter from ice.

Sheet 5.

L2200E (800N) - small strong mag anomaly.
L1000E to 00 (baseline to 1000N) - This is the general area of the main mineral discovery. Each mag anomaly should be carefully re-examined. IP work in this area should be considered after re-examination.

Sheet 6.

The northwest corner of this sheet is an extension of the discovery area partly covered by Sheet 5. The area needs careful re-examination.

Sheet 9.

The northeast portion of this sheet is also an extension of the discovery area.

L1600W (1100S) - strong isolated mag anomaly in paragneiss.
L2600 to 2800W (baseline) - medium intensity mag readings.
L2800W (1600S) - isolated mag reading in paragneiss.

Sheet 10.

L1200W (600 to 900N) - strong mag anomaly near a northwest fault.
L1400W (1500N) - similar mag anomaly, possibly related to area above.

Sheet 11.

L200 to 3200W (4000N) - large area of rapidly changing magnetic field. No surface exam by Falconbridge. Prospecting and mapping needed.

Sheet 12.

L2000W (5200 to 5600N) - extension of above zone, no mapping or surface work done.

Sheet 14.

L4000W (4700N) - extension of above, interesting area.

Sheet 15.

Of no interest

Sheet 16.

Of no interest.

CONCLUSIONS AND RECOMMENDATIONS

1. The electromagnetic survey shows that there are no continuous sulphide conductors lying between surface and a depth of 250 feet. Any copper-nickel orebody occurring on the property at a depth of over 250 feet would probably not be found by the search methods employed. Also, it is quite possible, but it would be unusual, for a disseminated orebody of economic grade to be located at surface and for it to remain undetected by the electromagnetic survey.
2. The mineral association pyrite, pyrrhotite, chalcopyrite, pentlandite, and magnetite has been established as the mineralization on the property and this mineral combination will produce areas of above normal magnetic intensities. Therefore each magnetic anomaly should be carefully appraised by ground examination and graded according to its exploration potential. Prospecting and trenching should follow on the more favourable anomalies in order to determine which have sulphides associated. Anomalies containing sulphide mineralization, particularly those which are mainly overburden covered, should then be surveyed by IP methods in order to gain a measure of their metallic content.

My report is respectfully submitted.

H. G. Harper.

Willowdale, Ontario
March 1, 1966

H. Grant Harper, F.G.A.C., P.Eng.
Economic Geologist

CERTIFICATE

I, HUGH GRANT HARPER, of Metropolitan Toronto, in the Province of Ontario, certify as follows with respect to my report entitled TOMROSE MINES LIMITED, Crerar Township Property, Ontario.

1. I am a practising economic geologist carrying on business as

H. Grant Harper, P.Eng.,
314 Hendon Avenue,
Willowdale, Ontario

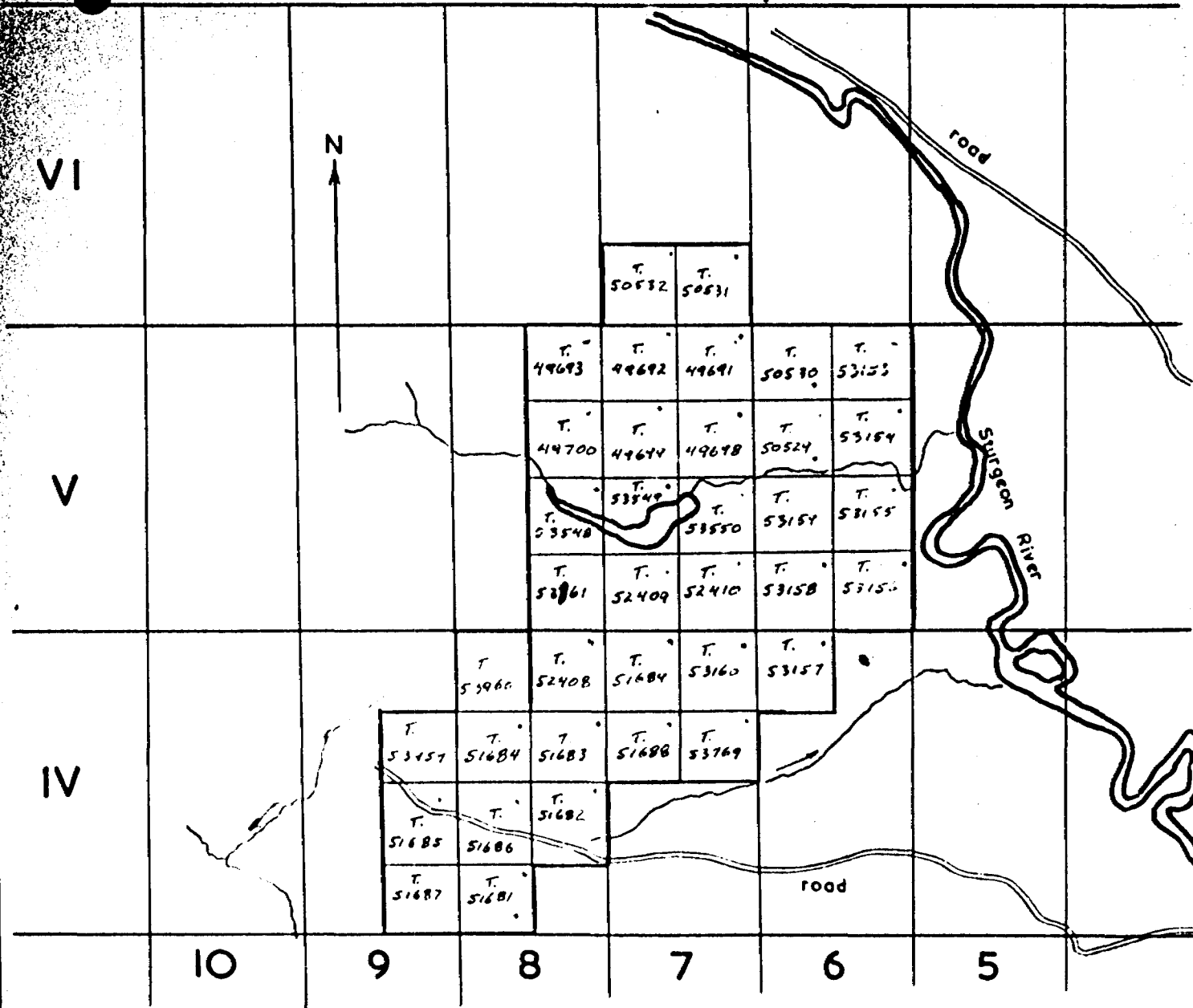
2. I graduated from the University of Toronto with the degree of B.A.Sc., 1950 and M.A.Sc., 1951 and have been engaged in my profession for over ten years. I am a Fellow of the Geological Association of Canada, a Member of the Ontario Association of Professional Engineers registered in the Mining Branch, a Member of the Canadian Institute of Mining and Metallurgy, and a Member of the Board of Trade of Metropolitan Toronto.
3. I have no interest, nor do I expect to receive any, either direct or indirect, in either the property or securities of Tomrose Mines Limited.
4. My report is based on a personal knowledge of the mining property owned by Tomrose Mines Limited as well as an examination of the reports and maps submitted to Tomrose by Falconbridge Nickel Mines Limited.

H.G. Harper

Willowdale, Ontario
March 1, 1966

H. Grant Harper, F.G.A.C., P.Eng.
Economic Geologist

Dana Twp



TOMROSE MINES LTD

Traced From
CLAIM MAP PLAN No. M739

CRERAR TOWNSHIP

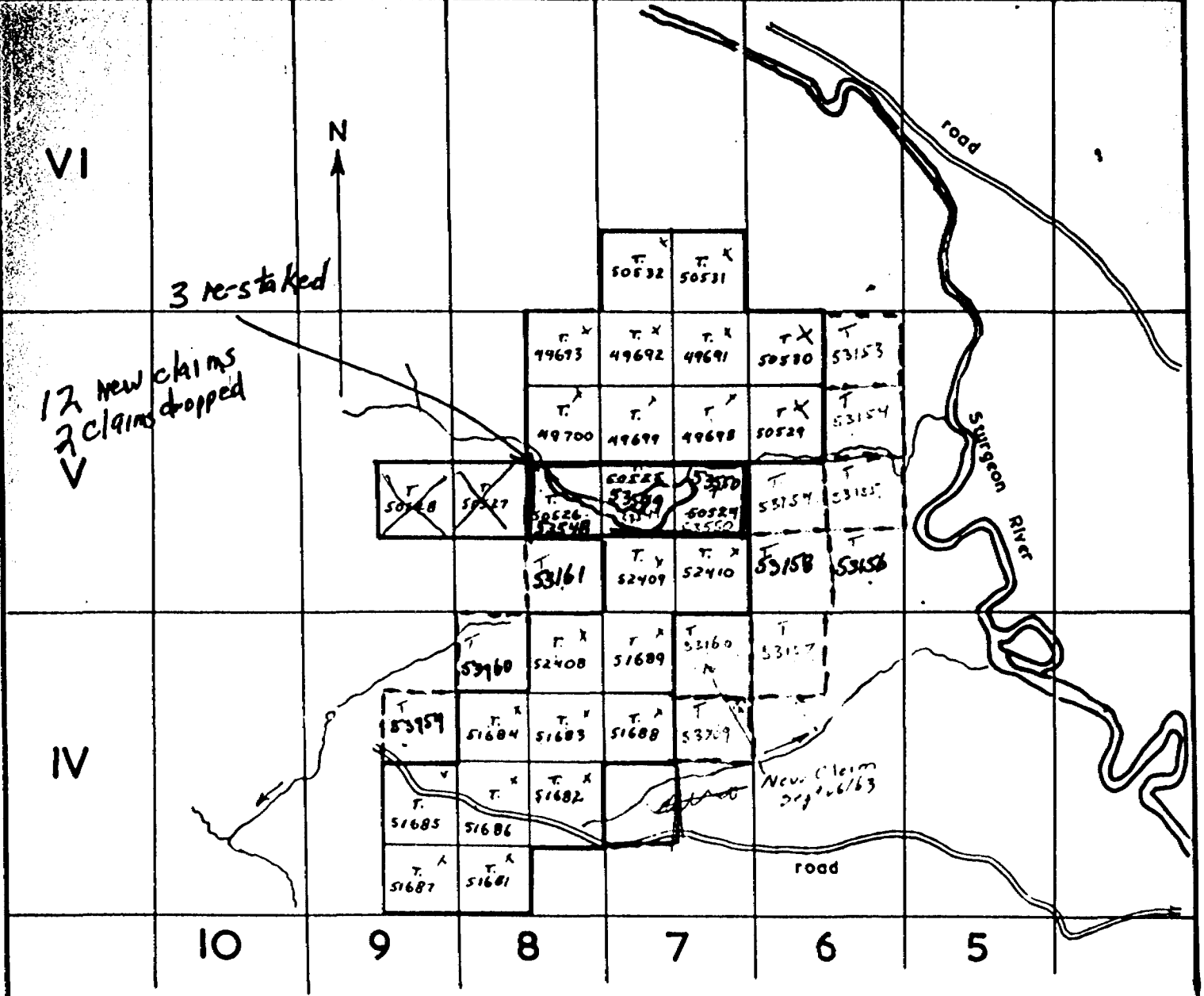
1 inch = 2640 feet

1" = 2640

DATE

SIGNED

Dana Twp



TOMROSE MINES LTD

LOCATION MAP

Traced From
CLAIM MAP PLAN No. M739

CRERAR TOWNSHIP

1 Inch = 2640 feet

1" = 2640

DATE April 3, 1963 SIGNED A.G. Harp

June 30, 1970.

Officers and Directors,
Empress Mines Ltd.,
34 Wyaliffa Crescent,
Willowdale, Ontario.

re: Crerar Township

Gentlemen,

On June 19th I examined the two trenches dug by Maurice Giroux on claim S226829, Crerar Township. The trenches and grab samples results are recorded on the attached map.

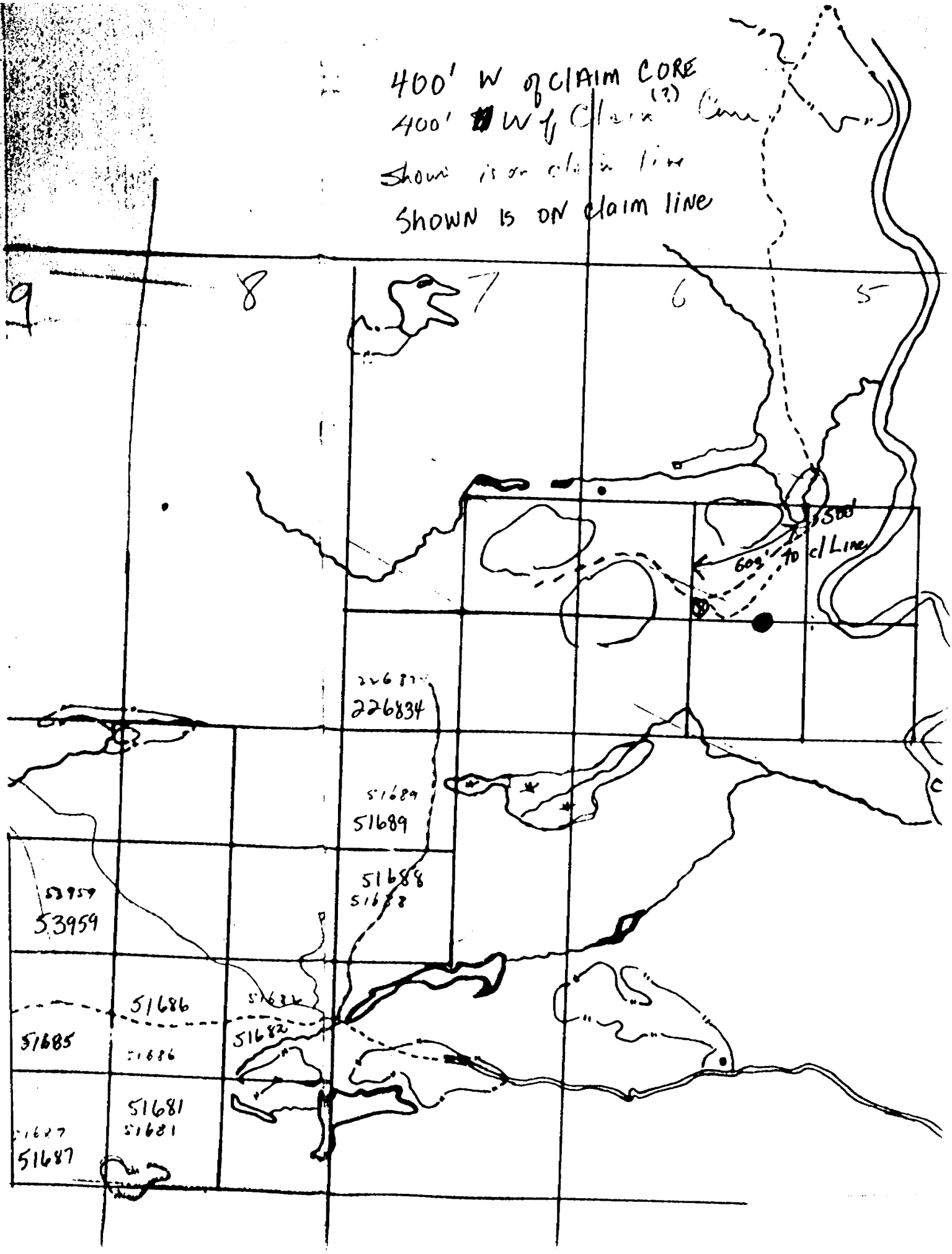
The North Trench extended the gabbro (bronzite observed) southward for an additional 15 feet. Here the mineralization is exceedingly sparse but it does increase down the hill to the south. A grab sample (3813) of the better mineralization assayed 0.15% copper and 0.04% nickel. Giroux will try to extend this trench further southward, looking for better mineralization, but the overburden depth is rapidly increasing.

In the South Trench mineralization is far more abundant and the grab sample (3814) assayed 0.14% copper and 0.07% nickel. It would be easy to obtain higher assays but in the writer's opinion the above assay probably represents about 15 feet of width. The host rock is a gabbro-norite with some sections having the appearance of a blue quartz diorite. Mineralization, though weaker, is present at the south limit of the trench. At the north end of the trench, almost in the valley floor, the rock is a coarsely banded amphibolite gneiss. Giroux has been asked to dig a second trench about 50 feet to the east.

The 200 or so feet lying between the two trenches forms a sharp V-shaped valley where the overburden is deep. It cannot be trenched. Hopefully, the surface work along the margins of the deep overburden will provide enough encouragement to warrant a drill test of the valley. The mineralization is disseminated and does not respond to electromagnetic surveying.

Respectfully submitted,

400' W of CLAIM CORE
 400' W of Claim (?) Core
 shown is on claim line
 SHOWN IS ON claim line



X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

445-5755

Certificate of Analysis

NO. 4773

TO. Tomrose Mines Limited,
c/o Mr. E. G. Baker,
34 Wycliffe Crescent,
WILLOWDALE, Ontario.

RECEIVED June 22, 1970 (H.G. Harper)

INVOICE NO. 5768

SAMPLE(S) OF 2 rock

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

<u>* Sample No.</u>	<u>% Cu</u>	<u>% Ni</u>
A 3813	0.15	0.04
14	0.14	0.07

Tomrose.

Chert Typ.

* FOR SAMPLE LOCATIONS, SEE MAP "TRENCHING: BRADLEY ZONE"

c.c. H. Grant Harper

X-RAY ASSAY LABORATORIES LIMITED

DATE June 23, 1970

CERTIFIED BY

[Signature]

X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DDN MILLS ONTARIO

445-5765

Certificate of Analysis

NO. 5607

TO. Tomrose Mines Limited,
c/o E. G. Baker,
34 Wycliffe Crescent,
WILLOWDALE, Ontario.

RECEIVED November 3, 1970

INVOICE NO. 6511

SAMPLE(S) OF ROCK

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

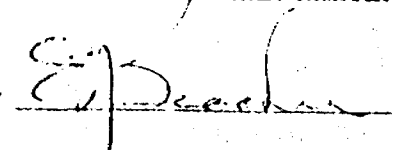
* Sample No.	% Cu	% Ni
3545	0.10	0.06

* FOR SAMPLE LOCATIONS, SEE MAP "TRENCHING: BRADLEY ZONE"

cc: H.G. Harper, Hendon Ave.

X-RAY ASSAY LABORATORIES LIMITED

DATE November 4, 1970

CERTIFIED BY 



41109SE0008 0013 CRERAR



900 ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Mining Division

I, Tomrose Mines Ltd.

name of Recorded Holder C/O. L.G. Baker, 34 Wycliffe Crescent, Willowdale, ONT

Miner's Licence 67 Post Office Address do hereby report the performance of 67 days of Rock drilling & geology type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Contains entries S 226829 and S 226831.

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

All the work was performed on Mining Claim (s) S-226829 & S-226831 (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment. For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate. For Compressed Air or Other Power Driven or Mechanical Equipment Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment. For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording. With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate. For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording. For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Power Tools Cobra rock drill - BBM 47L 7/8 Pionjae " - BRH 50

Trenches

Maurice Giroux, River Valley, ONT) May 11, 12, 13) 12 hours 1 day Gilbert Giroux, " " , ONT) Oct. 13, 14, 15)

Geology & Sampling

H.G. Harper, P. Eng. 314 Hendon Ave. Willowdale, Field: June 19, Oct. 31 Office June 22, Nov. 5 Nov. 5, 1970

Date Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, H. G. Harper 314 Hendon Ave, Willowdale, ONT (Post Office Address)

hereby certify:

- 1. 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. 2. That the annexed report is true.

Dated Nov. 5 1970 Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Mining Division

1, Tom Rose Miner Ltd.

name of Recorded Holder % P.G. Baker, 34 Wycliffe Crescent, Willowdale, Ont. Miner's Licence

do hereby report the performance of 67 days of Rock drilling & geology. type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
<u>S 226 829</u>
<u>S 226 831</u>
.....
.....
.....
.....

All the work was performed on Mining Claim (s) S 226 829 & S 226 831
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.

For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.

For Compressed Air or Other Power Driven or Mechanical Equipment - Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.

With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.

For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.

For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Power Tools
Cobra rock drill - BBM 47L 7/8
Peonjav " " BRH 5"

Trenchers
Maurice Giroux, River Valley, Ont. } May 11, 12, 13 } 12 hours/day
Albert Giroux " " } Oct 13, 14, 15 }

Geology & Sampling
H.G. Harper P.Eng 314 Henden Av Willowdale } Field: June 19, Oct 31.
Office: June 22, Nov 5.

Date Nov 5/1970 Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

1, H.G. Harper
314 Henden Ave, Willowdale, Ontario
(Post Office Address)

hereby certify:

1. 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.
2. That the annexed report is true.

Dated Nov 5 19 70 H.G. Harper Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Mining Division

I, Tomrose Mines Ltd. A 36509

C/O. E. G. Baker, name of Recorded Holder 34 Wycliffe Crescent, Willowdale, ONT Miner's Licence

do hereby report the performance of 46 days of Plugger

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Contains entries for S-226929 and S 226831.

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

All the work was performed on Mining Claim (s) S-226829 Crerar Twp. (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Power Tools

Cobra rock drill B747L 7/8
Pionjaye " " BRH 50

Trenches

Maurice Giroux, River Valley, ONT May 11, 12, 13)
Gilbert Giroux, " " " Oct 13, 14, 15) 12 hour days

Nov. 16/70 TOMROSE MINES LTD.
Date Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, H. G. Harper
314 Hendon Ave., Willowdale, ONT
(Post Office Address)

hereby certify:

- 1. 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.
2. That the annexed report is true.

Dated Nov. 16/70 19 Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



ONTARIO

THE MINING ACT REPORT OF WORK

Rec. Resident off Sudbury #127
Feb. 2/71

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Mining Division

1, Tomrose Mines Ltd A 36509

% E.G. Baker some of Recorded Holder Miner's Licence

34 Wycliffe Crescent, Welland, Ont. Post Office Address

do hereby report the performance of 46 days of Rock Trenching type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
5226829	23 ✓				
5226831	23 ✓				

All the work was performed on Mining Claim (s) 5226829 Crerar type
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment
- For Drilling and other Core Drilling - Footage, No. and angle of holes and diameter of core Name and address of owner or operator of it Dates when drilling was done Signed core log and sketches of it
- For Compressed Air or Other Power Driven or Mechanical Equipment - Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Power Tools
Cobra rock drill B7 47L 7/8
Pivajac " " B R 14 30

Trenchers
Maurice Giroux, Rivin Valley, Ont May 11, 12, 13 } 12 hour days
Gilbert Giroux " " " Oct 13, 14, 15 }

Date Nov 16 1970

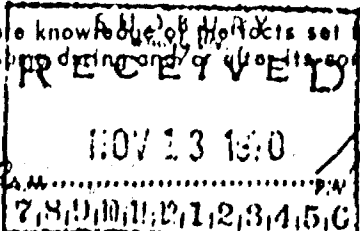
E.G. Baker
Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, H.G. Harph
314 Henden Ave, Welland, Ont.
(Post Office Address)

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.
- That the annexed report is true.



Dated Nov 16 1970 Signature H.G. Harph

5226829

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

Recd. in Sudbury
es. Geol. Office
Feb. 2/71

#128



A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of..... Sudbury..... Mining Division

I, Tomrose Mines Ltd. A 36509
name of Recorded Holder Miner's Licence

C/O. E. G. Baker, 34 Wycliffe Crescent, Willowdale, ONT.....
Post Office Address

do hereby report the performance of 4.5 days of Trench mapping, sampling
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
S-226829	2.....
S-226831	2.5
.....
.....
.....
.....

**DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

All the work was performed on Mining Claim (s) S-226829 Crerar Twp.
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

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- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
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- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Trench Mapping and Sampling

H. G. Harper, P. Eng. 314 Hendon Ave., Willowdale, ONT

Field : June 19, Oct. 31
Office: June 22, Nov. 5

Date Nov. 16, 1970.....

Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

I, H. G. Harper
..... 314 Hendon Ave., Willowdale, ONT
(Post Office Address)

hereby certify:

1. 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.
2. That the annexed report is true.

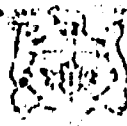
Dated Nov. 16, 1970.....

Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

Received Subduary
Res. Dept. Office
Feb. 2/71

#128



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Mining Division

1. Tomrose Mines Ltd A 36509

H. E. G. Baker name of Recorded Holder 314 Henderson Ave Welland Ontario Miner's Licence

do hereby report the performance of 11.5.2-1 Post Office Address Welland Ontario days of Trench mapping, Sampling type of work

not before reported to be applied on the following contiguous claims Manuel Labor

Claim No.	Days	Claim No.	Days	Claim No.	Days
226829	2.5				
226831	3.5				

All the work was performed on Mining Claim (s) 226829 Crossed Trench
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Trench Mapping & Sampling
H. G. Harper, P. Eng. 314 Henderson Ave Welland Field: June 19, Oct 31
ONC June 22, Nov 5.

Date Nov 16 1970
H. E. G. Baker Pres.
Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

1. H. G. Harper
314 Henderson Ave Welland Ontario
(Post Office Address)

hereby certify:
1. 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 some during and/or after its completion.

2. That the annexed report is true.
Dated Nov 16 19 70
H. G. Harper
Signature

226829

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

H. GRANT HARPER, P.Eng.

ECONOMIC GEOLOGIST

314 HENDON AVENUE
WILLOWDALE, ONTARIO

MEMBER: C.I.M.M.
G.A.C.
BOARD OF TRADE

BA. 5-7412

Tomrose Mines Ltd.
Crerar Township
Assessment work days.

Trenches (with rock drills)
Maurice & Gilbert Giroux, River Valley

May 11, 12, 13 } 12 days @ 12 hrs = $\frac{144}{3}$ = 46 man days
Oct. 13, 14, 15 }

Geology & Mapping
H. G. Harper, P. Eng.

Field : Jun 19, Oct 31 = 3 days x (7) = 21 man days
Office : ½ Jun 22, ½ Nov 5

Total man-days = 67.

To be applied equally to S-226829
S-226831

TOMROSE MINES LTD. CRERAR TOWNSHIP

Assessment Work days

Trenches (with rock drills)

Maurice & Gilbert Giroux, River Valley

May 11, 12, 13)
Oct 13, 14, 15) 12 days @ 12 hours = $\frac{144}{3}$ = 46 man days

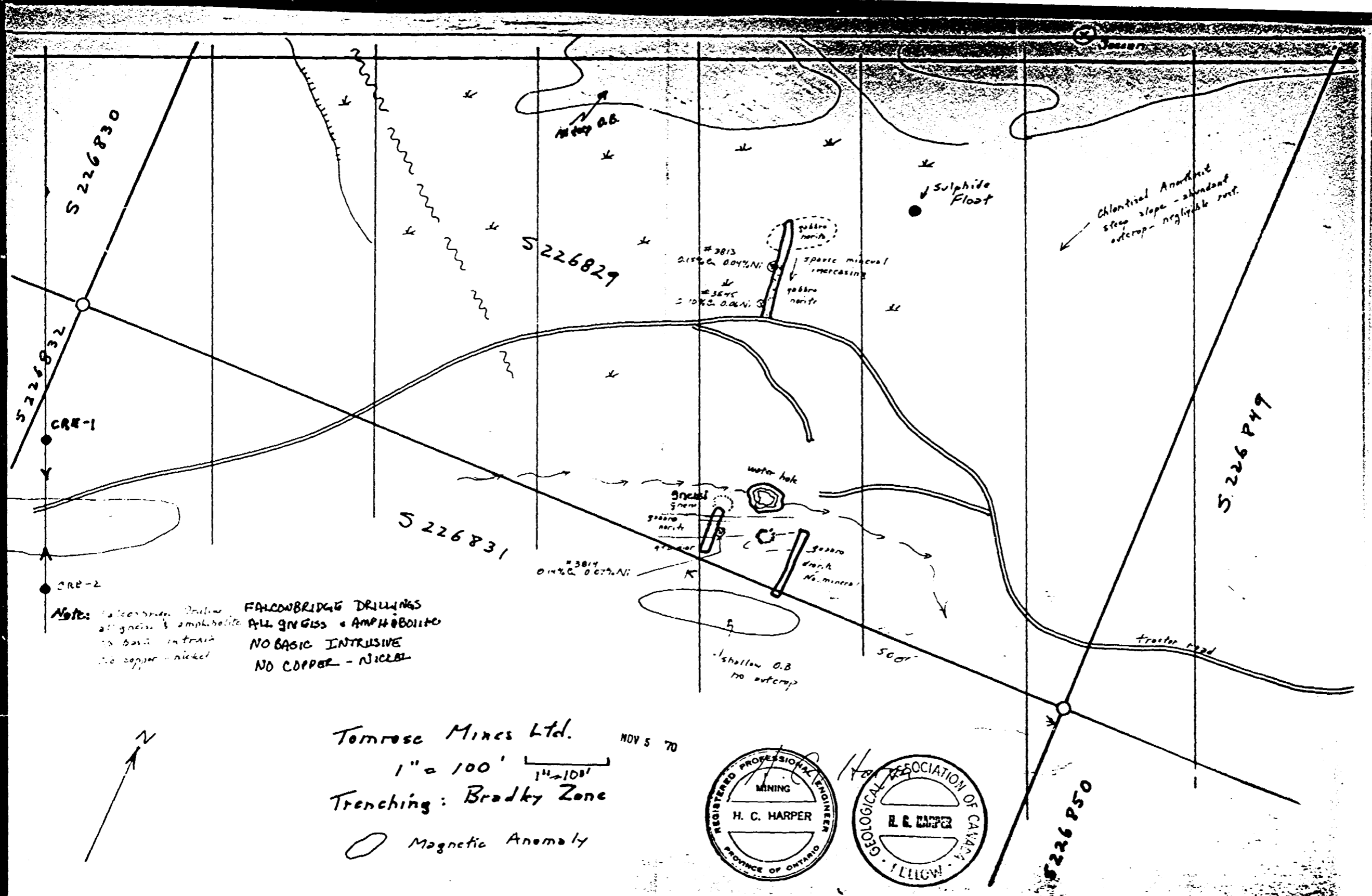
Geology and Mapping

H. G. Harper, P. Eng.

Field : Jun 19, Oct. 31) = 3 days X 7 = 21 man days
Office : ½ June 22, ½ Nov. 5)

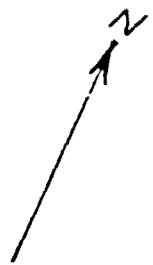
Total man days = 67

To be applied equally to S-226829 and S-226831.



Note: Falconbridge Drilling
aligns with amphibolite
in basic intrusive
no copper - nickel

FALCONBRIDGE DRILLINGS
ALL GNEISS & AMPHIBOLITE
NO BASIC INTRUSIVE
NO COPPER - NICKEL



Tomrose Mines Ltd.
1" = 100' 1" = 100'
Trenching: Brady Zone
○ Magnetic Anomaly

NOV 5 '70



S 226 P50

Dana Twp.

850
1000
5000

GRANITE
C.S.
S.S.
P. 90548

VI

V

IV

III

II

I

53959
60

57978 57995 58083

57997 57996 58084

61284

61285

61286

61287

61291

61292

61293

61294

61295

61296

61297

61298

61299

61300

61301

61302

61303

61304

61305

61306

2 TO BE RELEASED

53959 53960 53961 53962 53963 53964 53965 53966 53967 53968 53969 53970 53971 53972 53973 53974 53975 53976 53977 53978 53979 53980 53981 53982 53983 53984 53985 53986 53987 53988 53989 53990 53991 53992 53993 53994 53995 53996 53997 53998 53999 54000

53959 53960 53961 53962 53963 53964 53965 53966 53967 53968 53969 53970 53971 53972 53973 53974 53975 53976 53977 53978 53979 53980 53981 53982 53983 53984 53985 53986 53987 53988 53989 53990 53991 53992 53993 53994 53995 53996 53997 53998 53999 54000

2 TO BE RELEASED

9 TO BE RELEASED

T 51651-2-34-5-6-7-8-9

DEPT OF LIVES FORESTS

DEPT OF LANDS FORESTS

CHANCE

CHANCE

leased

Ownership unknown
No record.

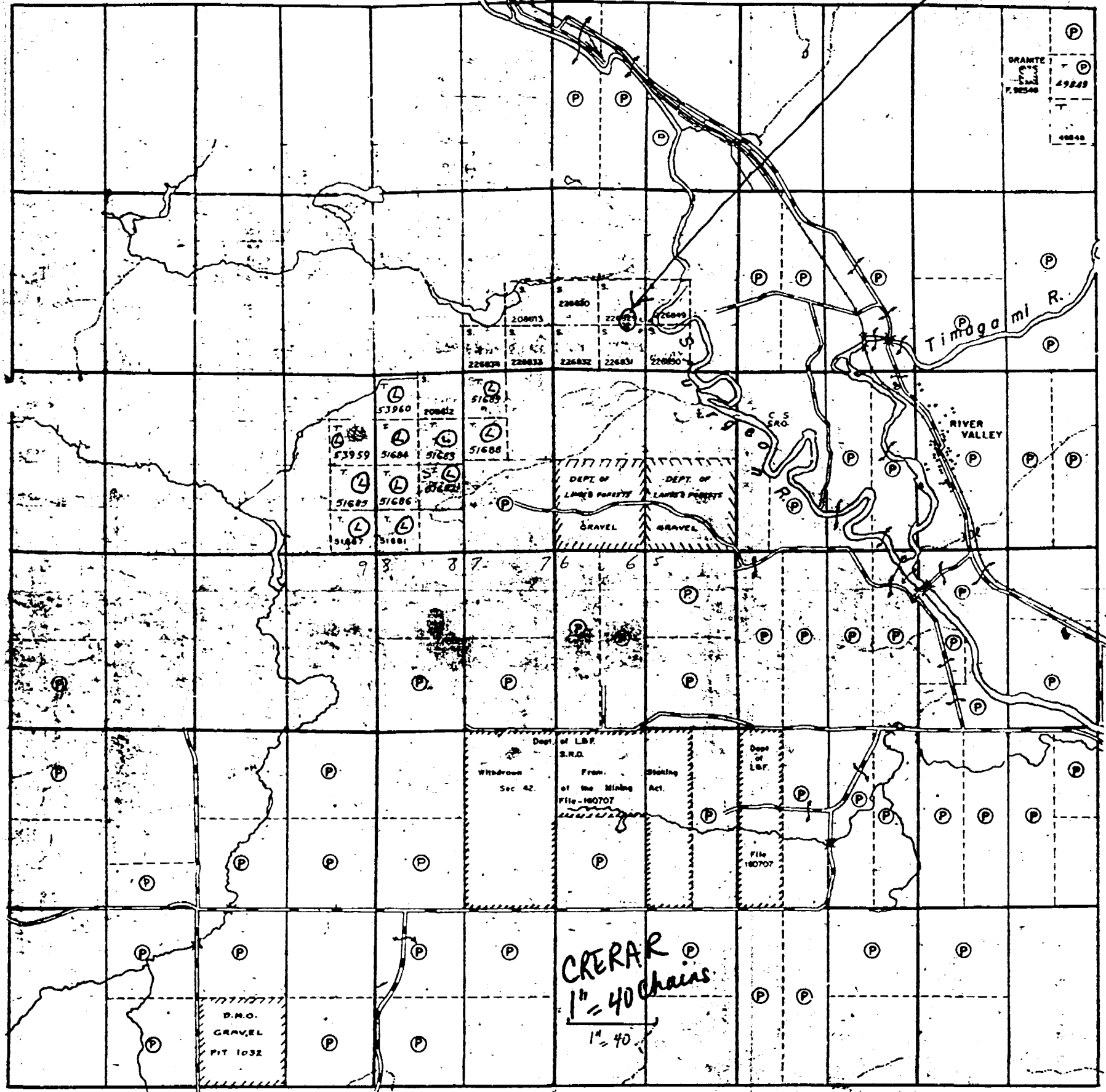
STILL BEING PROCESSED
AS PER GRANT
APRIL 7/90.

130 birm
✓ to be leased prior to Aug. 31/68
✗ Drop 4 (work all done)
○ work required (100 days) 2 birm
Tomrose

CRERAR®
1" = 40 chains

Dana Twp.

Green Slavery
Tomrose Pl. L.



VI

V

IV

III

II

I

12 11 10 9 8 7 6 5 4 3 2 1

LOT 9

LOT 8

LOT 7

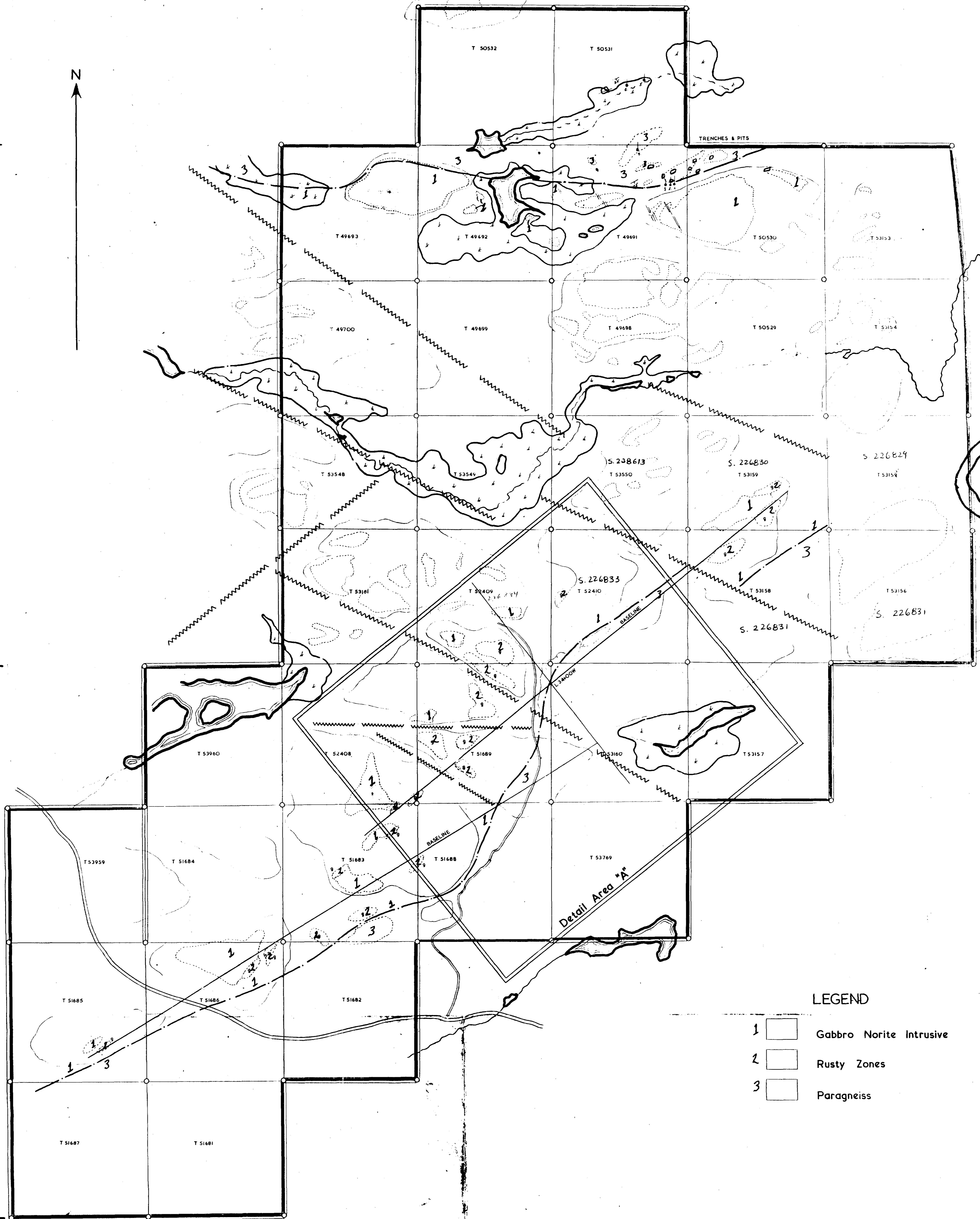
LOT 6

CONC VI

N

CONC V

CONC IV



LEGEND

- 1 Gabbro Norite Intrusive
- 2 Rusty Zones
- 3 Paragneiss

TOMROSE MINES LIMITED

CRERAR TOWNSHIP

SURFACE PLAN



H GRANT HARPER, P. ENG.,
314 HENDON AVE. WILLOWDALE, ONTARIO

DATE Mar. 10/64 SIGNED

CRERAR-0013 #1



Rusty low spot
surrounded by outcrop

Fault scarp?

Chl-An
minor rust

Chl-An
shallow O.B.
on hillside

S 226 830

All deep overburden

Sulphide float

Chl-An
steep slope
abundant outcrop
negligible rust

S 226 832

TRACTOR ROAD

gabbro-norite

S 226 849

Note: Falconbridge Drilling
All gneiss
No anorthosite-gabbro rocks
No copper-nickel
All gneiss & amphibolite
No anorthosite-gabbro rocks
No copper-nickel

Sample 3814
0.14% Cu, 0.07% Ni

Shallow O.B.
no outcrop
Shallow O.B.
no outcrop

S 226 850

TOMROSE MINES LTD.
SHEET 1 OVERLAY

TOMROSE MINES LTD.
Sheet 1 Overlay

1" = 100'

Surface Trenching - Bradley Zone

Surface Trenching - Bradley Zone

Legend

Legend

Magnetic Anomaly
Magnetic Anomaly

gneisses
shallow O.B.
gneisses
shallow O.B.

O.B.
C.B.

gneisses
gneisses

June 1970
H.G. Harp
P. Ely



CRERAR-0013 #2

