

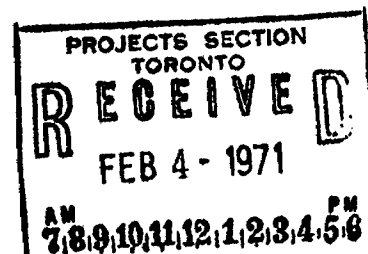
42A10NW0522 2.301 CLERGUE

GEOPHYSICAL REPORT

Porcupine Mining Division - Ontario

List of Claims

- 236685-236696 inclusive
- 236777-236787 inclusive
- 236818-236821 inclusive



Location

This group of 27 mining claims is located on Lots 9, 10, 11 and 12 of concessions I, II, III, and IV in the township of Clergue, Porcupine Mining Division. A location map on a scale of 2 inches equal to one mile accompanies this report.

Object of Survey

The purpose of the magnetic survey was to locate and outline anomalies which could indicate the presence of ultra-basic rocks, such as peridotites, in areas of heavy overburden.

Geophysical Survey

The magnetic survey was carried out from a hotel in Porquis Junction. A truck was used for transportation.

A total of two men, employed by the Canadian Nickel Company, conducted a magnetometer survey during the month of January, 1971. The base lines and the cross-lines were

cut and chained by four men contracted from L. Savard of North Bay. The work was done under supervision of G. Eden whose permanent address is c/o Canadian Nickel Company, Copper Cliff, Ontario.

A line spacing of 400 feet and reading interval of 100 feet were used generally throughout the survey. To check for magnetic variations and diurnal drift three base stations were established - one outside the hotel and one at 00-48E and one at 50S-40E.

Total established base lines and tie lines - 6 miles.

Total established cross lines - 21 miles.

Total number of magnetic stations read - 1402.

#### Results of Survey

The results of the magnetic survey are shown on the accompanying map which is on a scale of 1"-200 feet. Magnetic readings are plotted in gammas and are relative to a arbitrary base of 1520 gammas established at 00-48E co-ordinate. For simplification the last digit of each reading has been omitted. A contour interval of 200 gammas has been selected.

The magnetic survey outlined one east west trending anomalous magnetic zone A, and one northeast - southwest

trending magnetic anomaly, zone B. The magnetic anomalies will be checked with an electromagnetic survey to determine if massive sulphides are present.



ITH:af

January 28, 1971

PERFORMANCE & COV



42A10NW0522 2.301 CLERGUE

900

ASSESSMENT WORK DETAILS

Township or Area Clergue Township

List numerically

Type of Survey Geophysical (Magnetometer)  
A separate form is required for each type of survey

P 236685, P 236686

Chief Line Cutter L.A. Savard, Prospecting, Reg.  
or Contractor Name

P 236687, P 236688

North Bay, Ontario  
Address

P 236689, P 236690

Party Chief G. Eden, c/o Canadian Nickel Company  
Name

P 236691, P 236692

Copper Cliff, Ontario  
Address

P 236693, P 236694

Consultant I. T. Hosain, c/o Canadian Nickel Co.  
Name

P 236695, P 236696

Copper Cliff, Ontario  
Address

P 236777, P 236778

COVERING DATES

Line Cutting December 27, 1970 - January 15, 1971

P 236779, P 236780

Field January 7, 1971 - January 19, 1971  
Instrument work, geological mapping, sampling etc.

P 236781, P 236782

Office January 21, 1971 - February 1, 1971

P 236783, P 236784

P 236785, P 236786

INSTRUMENT DATA

Make, Model and Type Sharpe MF-1 Magnetometer

P 236787, P 236818

Scale Constant or Sensitivity See attached copy of brochure  
Or provide copy of instrument data from Manufacturer's brochure.

P 236819, P 236820

P 236821

Radiometric Background Count \_\_\_\_\_

Number of Stations Within Claim Group 1402

Number of Readings Within Claim Group 1402

Number of Miles of Line cut Within Claim Group 27

Number of Samples Collected Within Claim Group \_\_\_\_\_

CREDITS REQUESTED

20 DAYS  
per claim

40 DAYS  
per claim

Includes  
(Line cutting)

Geological Survey

Geophysical Survey

Geochemical Survey



Show  
Check ✓

DATE February 2, 1971

SIGNED

W.V. Rodney

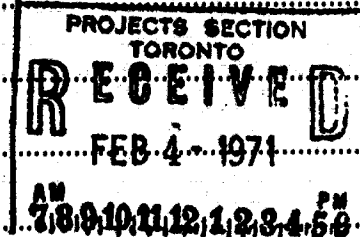
For: **Canadian Nickel Company Limited**

Performance and coverage credits do not apply to airborne surveys

TOTAL 27

Send in duplicate to:

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



If space insufficient, attach list

## 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.

AREA — 705  
TELE — 267-1171



DEPARTMENT OF MINES AND NORTHERN AFFAIRS  
MINING LANDS BRANCH  
OFFICE OF THE MINING RECORDER

RECEIVED

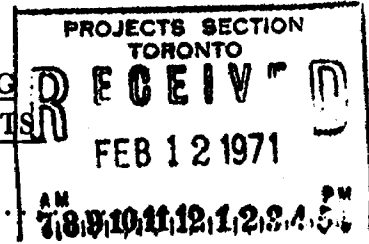
60 Wilson Avenue,  
Timmins, Ontario,  
February 10, 1971.

FEB 12 1971

Fred W. Matthews,  
Supervisor, Projects Section,  
Ontario Department of Mines,  
Whitney Block,  
Parliament Buildings, Toronto.

MINING LANDS  
BRANCH

NOTIFICATION OF RECORDING  
OF ASSESSMENT WORK CREDITS



Date of Recording of Work ..... February 3, 1971 .....  
Recorded Holder ..... Charles R. Scott .....  
..... 289 Kirby Avenue, Timmins, Ontario, .....  
(address)  
Township or Area ..... Clergue Township .....

Type of Survey and number of Assessment Days Credits per claim
GEOPHYSICAL Airborne <input type="checkbox"/> Ground <input checked="" type="checkbox"/>
Magnetometer ....40..... days
Electromagnetic ..... days
Radiometric ..... days
..... days
GEOLOGICAL ..... days
GEOCHEMICAL ..... days
SECTION 84 (14) ..... days

Mining Claims
P-236685-236696 incl., ✓
P-236777-236787 incl.,
P-236818-236821 incl.

NOTICE TO RECORDED HOLDER

- Survey reports and maps in duplicate must be submitted to the Projects Section, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to Projects Section with this letter.

*[Signature]*  
Mining Recorder.

c.c. Canadian Nickel Company  
Limited - Copper Cliff  
Charles R. Scott

March 23

CON. IV

CON. III

CON. II

CON. I

DUNDONALD TWP.

CLERGUE TWP.

STOCK TWP.

LOT 12

LOT 11

LOT 10

LOT 9

LOT 8

SHEET 1

SHEET 2

SHEET 3

SHEET LAYOUT

SHEET 4

SHEET 5

SHEET 6

ZONE B

ZONE B

ZONE A

236685

236686

236687

236688

236689

236690

236691

236692

236818

236819

236693

236694

236695

236696

236820

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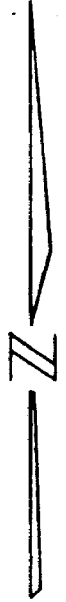
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SCOTT - CANICO CLAIMS  
CLERGUE TOWNSHIP

PORCUPINE M.D.  
DISTRICT OF COCHRANE  
ONTARIO

SCALE: 1" = 1/2 MILE

CON. IV

CON. III

CON. II

CON. I

DUNDONALD TWP.

CLERGUE TWP.

STOCK TWP.

LOT 12

LOT 11

LOT 10

LOT 9

LOT 8

SHEET 1

SHEET 2

SHEET 3

SHEET LAYOUT

SHEET 4

SHEET 5

SHEET 6

ZONE B

ZONE B

ZONE A

236685

236686

236687

236688

236689

236690

236691

236692

236818

236819

236693

236694

236695

236696

236820

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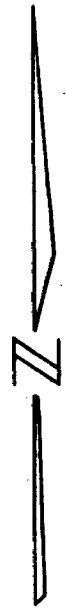
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SCOTT - CANICO CLAIMS  
 CLERGUE TOWNSHIP  
 PORCUPINE M.D.  
 DISTRICT OF COCHRANE  
 ONTARIO  
 SCALE: 1" = 1/2 MILE