

d.1505



42A13SE0079 2.1505 REID

010

REPORT ON A GEOLOGICAL SURVEY OF HOLLINGER CLAIMS

REID TOWNSHIP, ONTARIO

June 11, 1974

LOCATION AND ACCESS

The property is located 22 miles north-northeast of Timmins, Ontario in central Reid township. The property can be reached by foot from the Mattagami River or by helicopter from Timmins.

PROPERTY

The geological survey was conducted on the following twelve claims: P.320253, P.320254, P.320854, P.301362, P.301363, P.301364, P.301352, P.301353, P.301354, P.301382, P.301383, P.301384.

The property is held by Hollinger Mines Ltd., Box 320, Timmins, Ontario.

The survey was conducted by Newmont Mining Corporation of Canada Limited, 47 Pine St. So., Timmins, Ontario. The survey was made from June 2 to June 6, 1974.

PREVIOUS WORK

Work has previously been conducted over parts of the property by various companies. Work submitted for assessment and on file with the Department of Mines includes:

<u>YEAR</u>	<u>COMPANY</u>	<u>WORK</u>
1964	Duvan Copper	ground magnetics, induced polarization
1964	Canadian Javelin	geological survey, airborne magnetics and EM, ground magnetics, VEM and HEM
1965/66/67	Mespi Mines	ground magnetics, HEM and JEM, 3 holes drilled adjacent to west boundary
1972	Hollinger Mines	ground magnetics and HEM

Lines were cut at a 400 foot grid spacing by Hollinger Mines in 1972.

GEOLOGY

Sparse outcrop on the property is of Precambrian age and comprises the following rock types:

Massive dacite (map symbol D_m) - massive, pale to medium green colored, medium fine-grained rock; moderately siliceous with tiny feldspar phenocrysts in a quartz/feldspar matrix; commonly flecked with chlorite.

Amygdular dacite (map symbol D_{am}) - massive pale to medium green colored, medium to fine-grained rock with scattered to abundant amygdules up to 1 cm diameter and filled variously with carbonate, quartz, feldspar (zeolite?) or sometimes chlorite-epidote. Amygdules are commonly weathered out on exposed surfaces giving a pocked texture to the rock. They commonly occur in bands that appear to reflect original flow features and are interpreted to represent "near" bedding.

Rhyolite tuff (map symbol Rt) - fine-grained pale green colored siliceous rock with scattered chloritic flecks and vague, fine fragmental texture.

Diabase (map symbol Di) - massive, coarse-grained, ophitic pyroxene plagioclase dyke rock. Contact is fine-grained, black colored chill margin. Probable Matachewan age.

Gabbro (map symbol Gb) - massive dark green black colored, granular hypidiomorphic, pyroxene-plagioclase rock.

Stratigraphy in the area is inferred from alignment of amygdules to be east trending. Rocks are generally massive to weakly foliated.

A broad NNW trending diabase dyke cuts the southern outcrop area and is inferred (from magnetic data) to continue across the property. Gabbro intrudes the southern outcrop area but there is little evidence as to its character. Local silicification and serpentization are associated with the contact of the gabbro. Widespread pyrrhotite is disseminated through dacite on the eastern boundary of the dyke and north of the gabbro contact.

A zone of strong silicification occurs on the southern most edge of the northern outcrop area.

PERSONNEL AND DATES WORKED

A: FIELD WORK

Geologist	David Watkins	June 2-6 incl.
Assistant	R. Hopson	June 2-6 incl.

B: REPORT PREPARATION

David Watkins	June 10-11, 1974
---------------	------------------

C: DRAUGHTING AND REPRODUCTION

Albert Rentelis	June 11-12, 1974
-----------------	------------------

ADDRESSES:

Hopson, R., 297B Birch St. N., Timmins, Ontario
Rentelis, A., AHR Drafting Services, Hollinger Bldg.,
Schumacher Hwy, Timmins, Ontario
Watkins, D., 123 Hellen Ave., South Porcupine, Ontario.

File 2.1505

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

MINING RECORDERS OFFICE - TORONTO
RECEIVED
JUN 25 1974
AM 7:10 PM 11:12 1:23 4:56

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Geological
Township or Area Reid township
Claim holder(s) Hollinger Mines Limited
Author of Report David Watkins
Address 123 Hellen Ave., South Porcupine, Ontario
Covering Dates of Survey June 2-6, 1974
(linecutting to office)
Total Miles of Line cut _____

MINING CLAIMS TRAVERSED
List numerically

P	320253
(prefix)	(number)
P	320254
P	320854
P	301362
P	301363
P	301364
P	301352
P	301353
P	301354
P	301382
P	301383
P	301384

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

Geophysical
--Electromagnetic _____
--Magnetometer _____
--Radiometric _____
--Other _____
Geological 20
Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: June 11, 1974 SIGNATURE: [Signature]
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications 2.1322

Previous Surveys 2.1511 em 63.1721 mag & em

2.969 mag & em

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

TOTAL CLAIMS 12

L.D.
OFFICE USE ONLY

If space insufficient, attach list

Show instrument technical data in each space for
type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations _____ Number of Readings _____

Station interval _____

Line spacing _____

Profile scale or Contour intervals _____
(specify for each type of survey)

MAGNETIC

Instrument _____

Accuracy - Scale constant _____

Diurnal correction method _____

Base station location _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION -- RESISTIVITY

Instrument _____

Time domain _____ Frequency domain _____

Frequency _____ Range _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

MAHAFFY TWP. - M.540

THE TOWNSHIP
OF
2.1505
REID

DISTRICT OF
COCHRANE

PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

NOTES

- 400' surface rights reservation around all lakes and rivers.
- Subdivision of this twp. into lots and concessions annulled Aug. 19, 1953.
- Flooding rights to areas along Mattagamé River reserved to H.E.P.C. - L.O. 7085

- MINING LANDS -
DATE OF ISSUE
 JUN 26 1974
 MINISTRY
 OF NATURAL RESOURCES

PLAN NO. **M.575**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

THORBURN TWP. - M.601

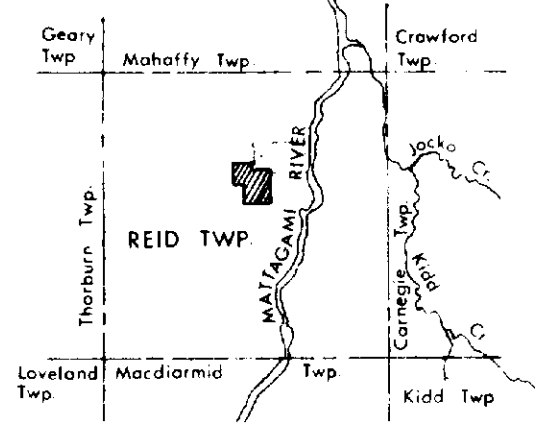
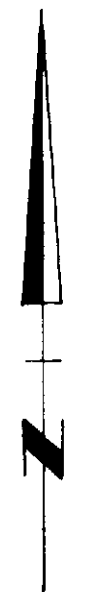
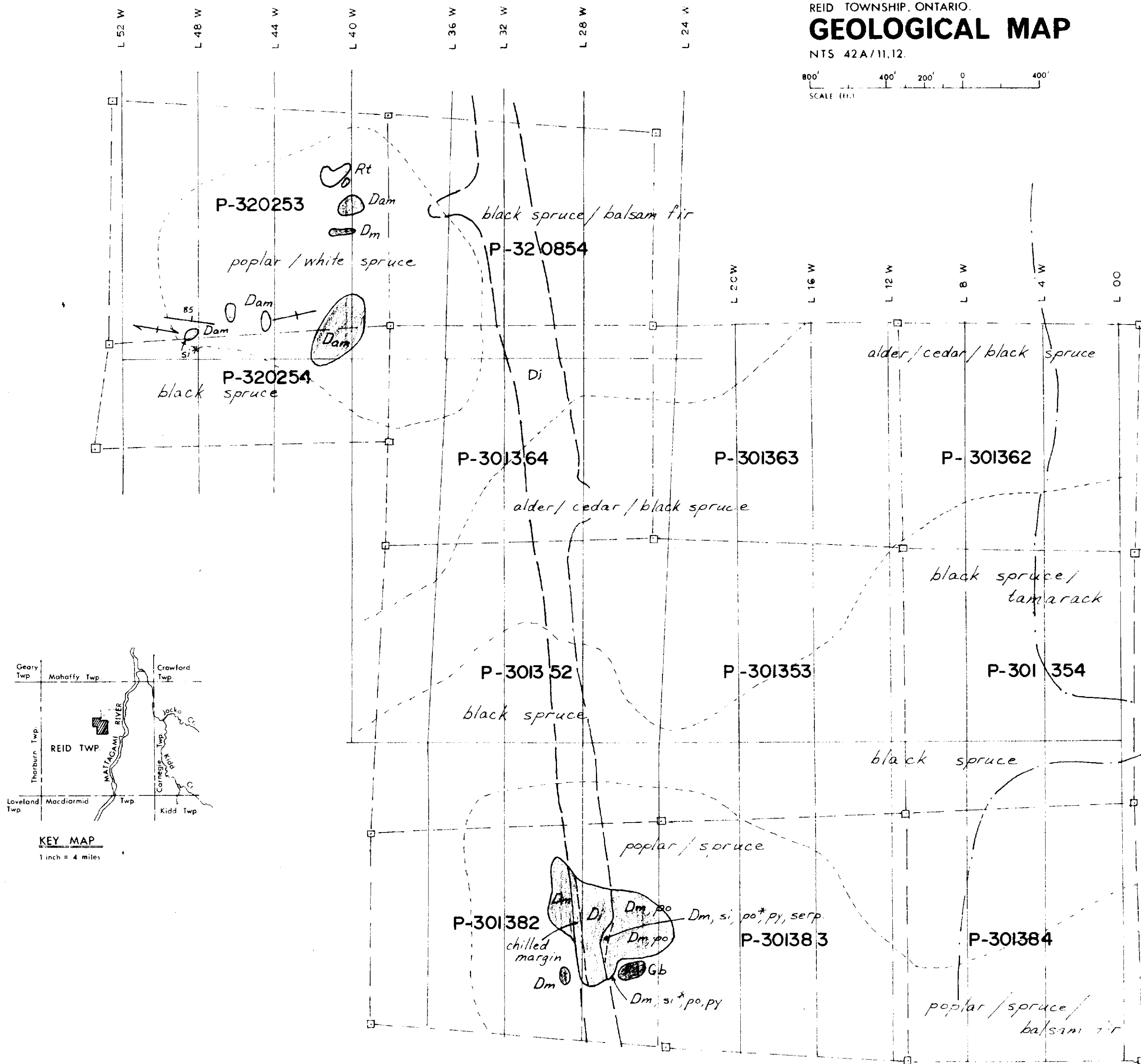
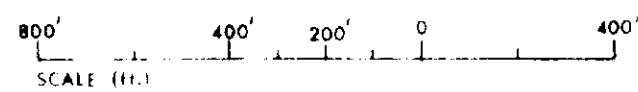
CARNegie TWP. - M.441

MACDIARMID TWP. - M.294



42A13SE0079 2.1505 REID

HOLLINGER MINES LIMITED
 REID CLAIM GROUP
 REID TOWNSHIP, ONTARIO.
GEOLOGICAL MAP
 NTS 42A/11.12



- LEGEND**
- | | |
|--------------------|------------------------------|
| Rock Types | Alteration |
| Rt - rhyolite tuff | si - silicification (*heavy) |
| massive dacite | po - pyrrhotite |
| amygdular dacite | py - pyrite |
| diabase | serp - serpentinization |
| Gb - gabbro | |
- SYMBOLS**
- - outcrop area
 - - - geological contact, defined, assumed
 - bedding inferred from bands of amygdoles:
 inclined, vertical
 - schistosity
 - vegetation boundary
 - creek
 - - claim post and boundary
 - - - picket lines and base lines

[Handwritten Signature]

J. ALAN CORP

