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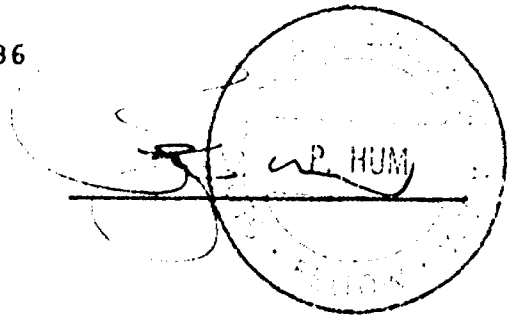
010

DIEPPE-TRUMAN PROPERTY  
SUDBURY MINING DISTRICT, ONTARIO  
GEOLOGICAL REPORT  
by P. Hum  
REPORT NO. 86101

Submitted to :  
URANEX RESOURCES LIMITED  
TORONTO, ONTARIO


RECEIVED  
NOV 20 1986  
MINING LANDS SECTION

N.T.S. REFERENCE: 41 I 6  
FIELD PERIOD: JULY 20-24, 28-30, 1986  
REPORT PERIOD: OCT. 28-29, 1986



2.9568

TABLE OF CONTENTS

		Page No.
Introduction	 41106SW0017 0014 DIEPPE	1
General Geology	010C	1
Property Geology		2
Bruce Conglomerate		2
Española Calcareous Argillite/Shale		2
Serpent Greywacke/Quartzites		2
Gabbro		2
Structure		3
Economic Geology		3
East Group		3
West Group		3
Conclusions and Recommendations		4
References		5
Certificate of Qualifications		6

MAPS

86101-1 Geological Survey, Dieppe-Truman (in pocket)  
Property, Scale: 1" = 200'

## Introduction

The Dieppe-Truman property consists of two groups of claims: the West Group is located on the Dieppe-Truman Township boundary line and the East Group is located wholly in Dieppe Township and both are in the Sudbury Mining District. The West Group consists of six contiguous claims numbered: S810197 to S810202; the East Group also consists of six contiguous claims numbered S810203 to S810208. The properties are accessible by a gravel road at the end of Highway 549 from Whitefish on Highway 17 west of Sudbury, Ontario.

During the period from July 20-24 & 28-30, 1986, the author carried out a limited detailed geological survey over the Dieppe-Truman properties for Uranex Resources Limited. Mapping was conducted on two cut grids on 400' spaced picket lines.

The West Group claims cover the Hoyle Prospect (O.D.M. Geol. Map 2299). This showing was located and examined in the field. Sulphide mineralization, mainly pyrite and chalcopyrite in amounts up to 20%, occur in a bull quartz vein. The quartz vein is 10' to 25' wide and is traceable for a strike length of 700'.

The East Group claims cover the Chellew Occurrence (O.D.M. Geol. Map 2299). This showing was not located during the course of the mapping.

## General Geology

The Dieppe-Truman property is underlain by rocks of Precambrian age of the Quirke Lake Group. The rocks of the Quirke Lake Group consist of a complex, folded and faulted, assemblage of sediments and metasediments. These rocks have been further sub-divided into three lithostratigraphic formations: the Bruce; the Espanola; and the Serpent. The rocks encountered on the property consist of: Bruce conglomerates; Espanola argillites; and Serpent quartzites, greywackes and minor shales. Contacts were conformable and gradational where they were observed in the field. Gabbro dikes and masses and quartz veins intrude the above rocks.

## Property Geology

### Bruce Conglomerate

The Bruce conglomerate outcrops only on the West Group along the shore of Northwest Lake at the northeast corner of the property. It is a matrix supported conglomerate with 40% sub-rounded to sub-angular, 1" to 2" size, quartz, feldspar and chloritic fragments. The matrix contains abundant, fine grained quartz, feldspar, mica and argillaceous material.

### Espanola Calcareous Argillite/Shale

The Espanola calcareous argillite was the predominate rock type encountered on the East Group. It is a very fine grained, light to dark brownish grey colored rock. It is composed mainly of carbonate and argillaceous material with minor amounts of chlorite. Approximately 10% of the argillites encountered were non-calcareous.

Minor thin beds of shales or sheared siltstones occur within the calcareous argillites and the quartzites. They are a dark grey color; very fine grained and contain minor amounts of graphite on slightly slickensided foliation planes.

### Serpent Greywackes/Quartzites

The Serpent greywackes and quartzites account for approximately 70% of the outcrop exposures on the property. The greywackes are generally pale to dark greenish grey. They are chiefly composed of 1-4mm size quartz and feldspar grains with minor amounts of chloritic fragments. The matrix is very fine grained and argillaceous. The quartzites are a light greyish color, hard and massive rock. They are composed of 1-2mm size quartz and feldspar grains in a siliceous matrix. Silicification of the quartzite was noted at two locations on the West Group where the rock has become very hard and glassy and cherty in appearance.

### Gabbro

The gabbro occurs as dikes and irregular masses intruding into all the metasediments. They are dark green to black in color, medium grained, and massive. In places they are diabasic in appearance which may be a result of metamorphism or magmatic differentiation. One gabbro outcrop near the center of the East Group was noted to be slightly magnetic.

### Structure

The rocks on the property exhibit a general northeasterly trend and dip moderately to steeply in both a northwesterly and southerly direction. Folding is evidenced by bedding and foliation measurements indicating antiforms and synforms. It appears from the geology that a series of north to northwesterly trending block faults occurs on the property. This faulting has been interpreted to explain the difficulty in the stratigraphic correlation. No evidence was found in the field for the presence of these faults.

### Economic Geology

#### East Group

No mineralization of economic value was encountered on the East Group. The Chellew occurrence (O.D.M. Map 2299) was not located. Locally small amounts of disseminated pyrite in amounts of 1% were found in the Serpent quartzites. A large outcrop area of quartzites occurs on L16W at 24+00N along the tie line (Map 86101-1). The quartzite is cut by a 10' wide bluish white quartz vein and is exposed for 20'. The outcrop is marbled with up to 40% narrow quartz veins. The quartz veins are barren and the quartzites contain 1% disseminated pyrite.

Three trenches were found in the vicinity of tie line 24+00N between Lines 4W and 8W. No mineralization and no reason for their existence could be found.

Approximately 27 boxes of diamond drill core were found in the vicinity of L4W at 18+50N. A cursory examination of the core showed that all the split core were either quartzites, greywackes or quartz veins. All the core appeared barren of mineralization.

#### West Group

No mineralization of economic value was encountered on the West Group however, the Hoyle Prospect (O.D.M. Map 2299) is of economic interest. The prospect is found on base line at line 0. It consists of two 10' X 15' test pits located approximately 100' apart. The pits expose a large white quartz vein cutting Serpent quartzites. The pits are flooded and the rock exposures are extremely weathered and gossaned. The quartz vein contains large clusters of pyrite and minor chalcopyrite in amounts up to 20%. The vein strikes approximately 075 degrees and dips near vertical. It varies in width from 2' to 25' and is traceable for

700' along strike. The quartz vein exposures to the east and west of the two test pits were void of any mineralization.

Minor amounts of pyrite and pyrrhotite occur locally in the quartzites and the greywackes.

#### Conclusions and Recommendations

The only mineralization found of interest was the Hoyle prospect on the West Group. However, the rock exposure is poor due to the flooding of the test pits and the extreme weathering of the rock. Additional trenching of the quartz vein and clean up of the test pits is recommended to better expose the mineralization. This should be followed by rock chip sampling of the mineralized horizon.

A soil geochemical survey is recommended for the West Group grid. Sampling should be done at 50' stations on 400' spaced lines. The A horizon should be sampled during the survey.

Both rock and soil samples should be analysed for Au using a fire assay preconcentration with a neutron activation finish. They should also be analysed for multi-elements by ICP spectroscopy. The ICP analysis will identify any other metals present such as Co, Pt, Pd, etc. at a relatively low cost.

A soil geochemical survey is also recommended for the East Group grid. Since no mineralization of interest was found on the property, sampling should be done at 100' stations on 400' spaced lines. The A horizon should be sampled and assayed for Au and multi-element ICP as above.

Further prospecting should be done to try to locate the Chellew occurrence.

References


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1957: Hoyle Mining Co. Ltd., Rept. on Geol. and Geochem.  
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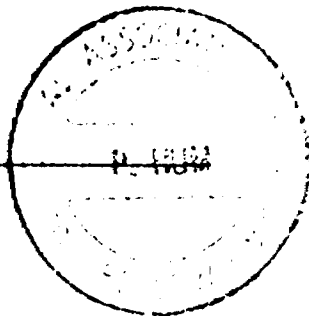
CERTIFICATE OF QUALIFICATIONS

I, Philip Hum, of 4114 Clevedon Drive, Mississauga, Ontario, do hereby certify that

1. I am a Bachelor of Science in Geology (Concordia University, Montreal, Quebec, 1975)
2. I have been practicing my profession on a continual basis since 1975.
3. This certificate is part of the attached report "Dieppe-Truman Property, Sudbury Mining District, Ontario, Geological Report" dated October, 1986.
4. This report is based on my recent mapping of the pertinent claims in July 1986.
5. I have no interest, direct, indirect nor expected in the properties or securities of Uranex Resources Limited.

Signed at Mississauga in the Province of Ontario  
this 29th day of October, 1986

  
Philip Hum



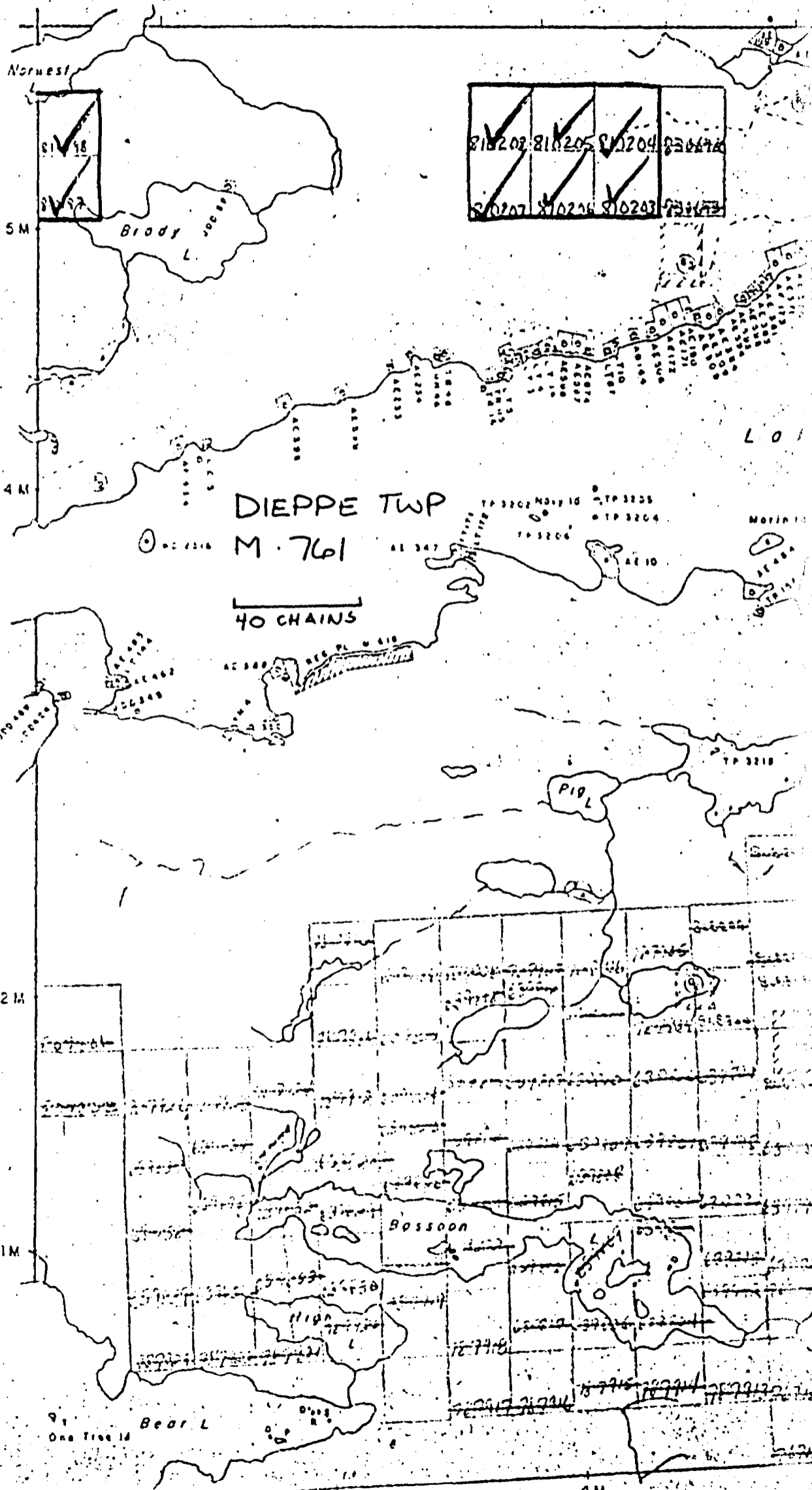




41106SW0017 0014 DIEPPE

900

LOUISE Tp. M. 99



TRUMAN Tp. M. 1164

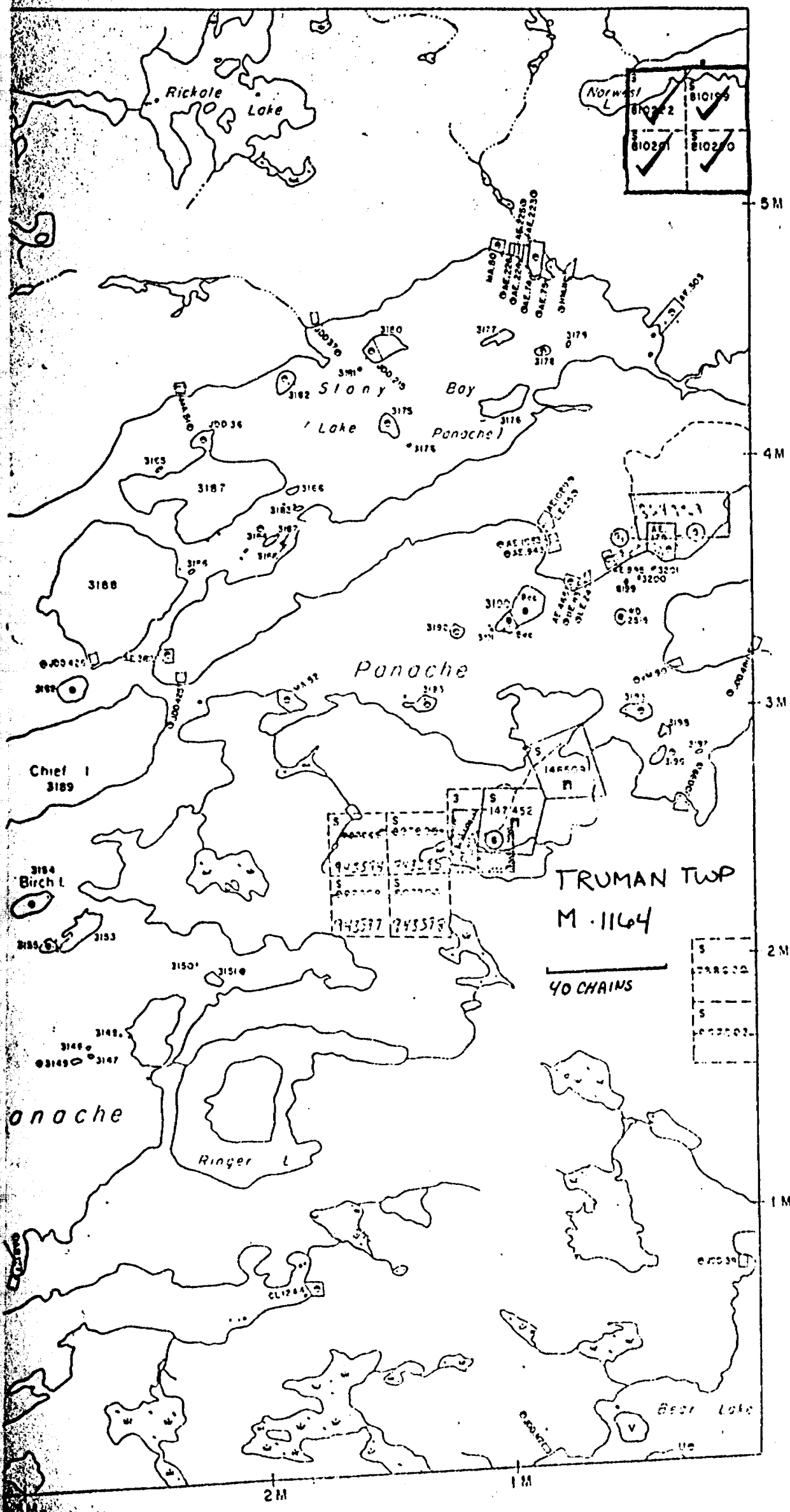
EN

AS  
60N  
10

2M

1M

4M



DIEPPE TWP.



#86-124  
 Report of Work  
 (Geophysical, Geological,  
 Geochemical and Expenditures)

Dieppe Twp. & Truman  
 (M.761) (G.3184)  
 2.9568  
 Mining Act

File No. S. 810197  
 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

Type of Survey(s): Geological Township or Area: Truman & Dieppe  
 Claim Holder(s): Uracer Resources Ltd. Prospector's Licence No.:  
 Address: Box 2038 Suite 404 - 20 Eglinton Ave. West Toronto M4R 1K8  
 Survey Company: Philip Hum Date of Survey (from & to):  
 20 7 86 29 10 86 Total Miles of line Cut: 11.4  
 Name and Address of Author (of technical report):  
4114 Clevedon Drive, Mississauga, Ont. L4Z 1J5

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	
	Magnetometer	
For each additional survey using the same grid: Enter 20 days (for each)	Radiometric	
	Other	
	Geological	20
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	
Electromagnetic	
Magnetometer	
Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
S	810197	
	810198	
	810199	
	810200	
	810201	
	810202	
	810203	
	810204	
	810205	
	810206	
	810207	
	810208	

Expenditures (excludes power stripping):  
 Type of Work Performed:  
 Performer of Claims:  
 Calculation of Total Expenditures in Days:  
 Total Expenditures: S Days Credits: 15

Date: Nov 12/86  
 per: H.G. Harper P. Eng.

For Office Use Only  
 Registered: 19861117  
240  
 Date Approved as true copy: 16.11.20

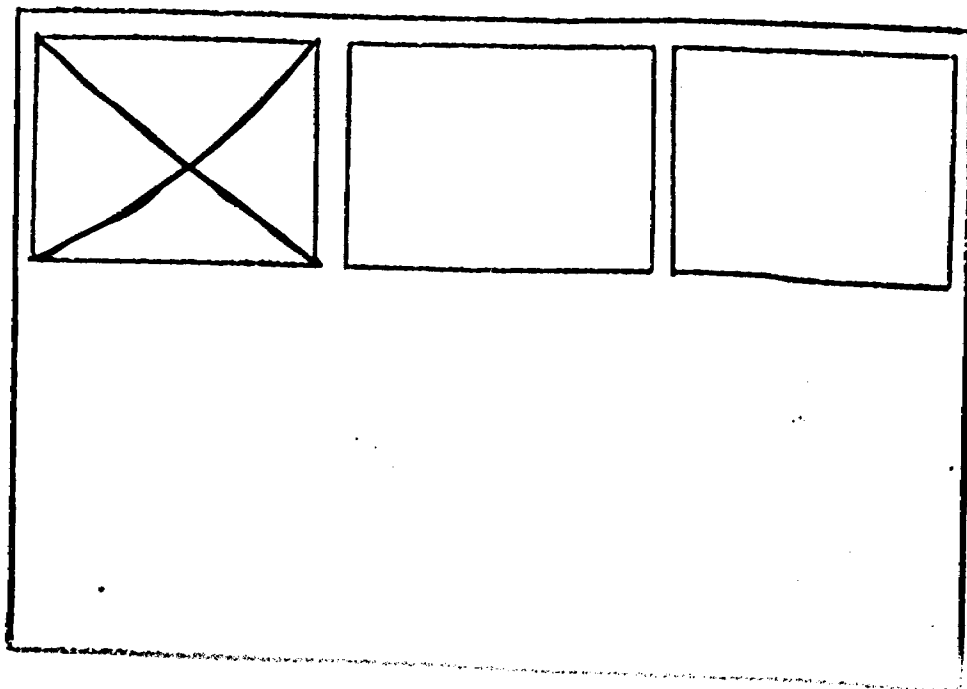
Certification: I hereby certify that I have read and intimate knowledge of the facts set forth in the Report of Work annexed hereto, and that the work reported was performed by me or under my direct supervision.  
 Name of Author: H.G. Harper P. Eng.  
 Address: 314 Hendon Ave, Willowdale Ont  
 Date Certified: Nov 12/86  
 Signature: H.G. Harper

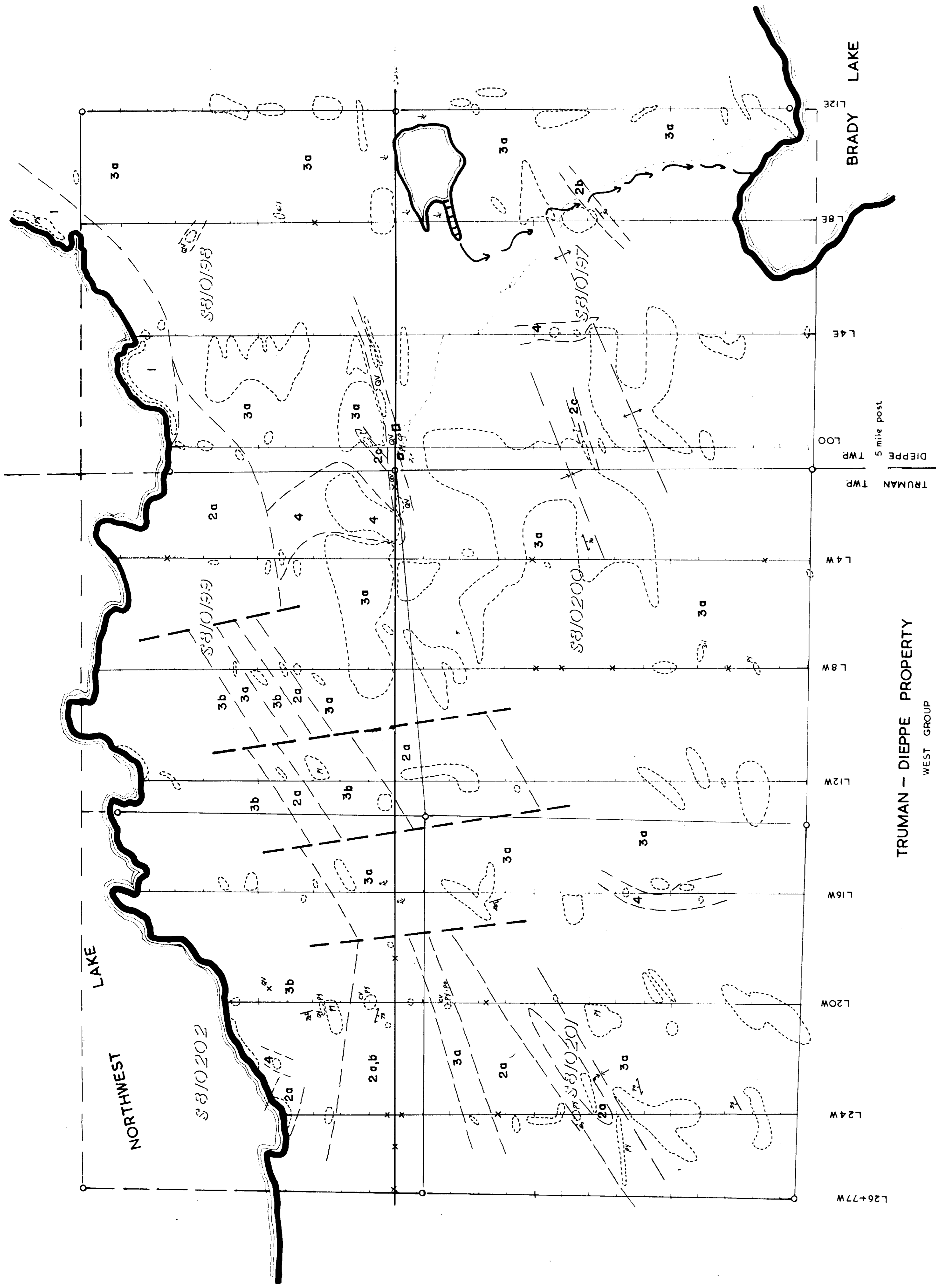
SEE ACCOMPANYING  
MAP(S) IDENTIFIED AS

DIEPPE - 0014

# 1

LOCATED IN THE MAP  
CHANNEL IN THE FOLLOWING  
SEQUENCE (X)





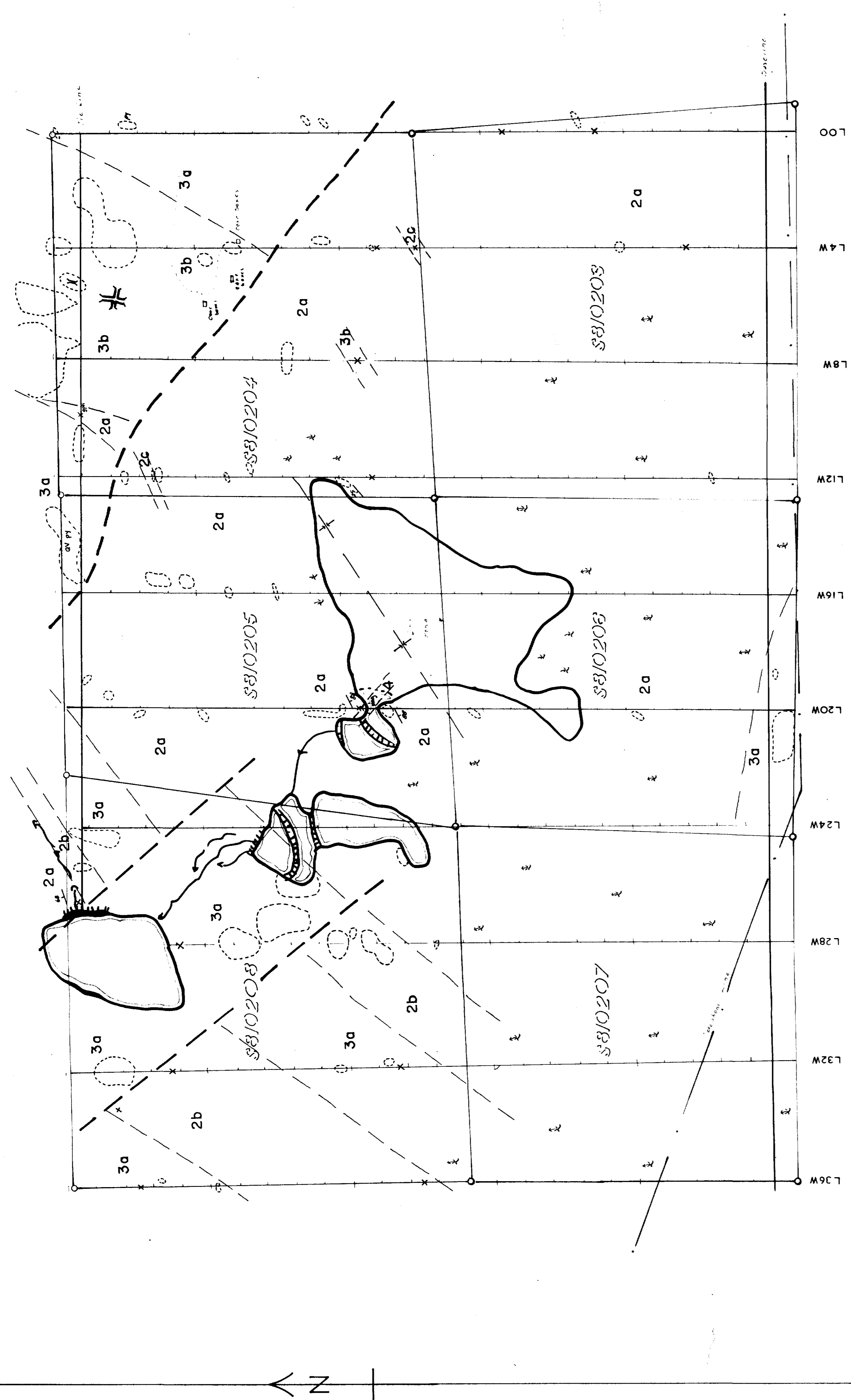
- LEGEND**
- 4 Gabbro
  - 3 SERPENT FORMATION
    - 3a Quartzite
    - 3b Graywacke
  - 2 ESPANOLA FORMATION
    - 2a Calcareous argillite
    - 2b Argillite
    - 2c Shale/siltstone
  - 1 BRUCE FORMATION
    - Conglomerate

- SYMBOLS**
- x ○ Outcrop, outcrop area
  - ~ Bedding, inclined
  - ~ Foliation, inclined
  - ~ Jointing, inclined
  - Geological contact, inferred
  - - - Fault, inferred
  - ~ ~ ~ Syncline, anticline
  - Test pit, trench
  - Claim post
  - Trail
  - QV Quartz vein
  - CV Carbonate vein
  - sil Silicified
  - py Pyrite
  - chalcopyrite Chalcopyrite
  - pyrhotite Pyrrhotite
  - gph Graphite
  - mag Magnetic
  - Lake
  - Wet swamp
  - Wooded swamp
  - Stream with direction



4-A1

2000



DIEPPE TWP. PROPERTY  
EAST GROUP

<b>Uranex Resources Limited</b> <b>Geological Survey</b> <b>Dieppe - Truman Property</b>		Date:	SCALE: 1" = 200'	Drawn: PH 
		Oct. 1986	MAP NO. 86101-1 MAP REF. 41 1 6	

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DIEPPE - 0014 #1