

411055W0085 0029B1 SHAKESPEARE

010

ASSESSMENT WORK REQUIRMENTS

DOMINION GULF COMPANY

DOMINION GULF COMPANY

Detailed Geology

SHAKESPEARE II

Base Map 411/5S

NORTH CHANNEL AREA

ONTARIO

C. MCAULAY

November 1, 1954

**REPLACEMENT COPY**



411055W0085 002981 SHAKESPEARE

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The property consists of one claim in the northeast corner of Shakespeare Township, Sudbury Mining Division, Ontario.

It is close to the north shore of Lake Agnew and can be reached by boat from nearby roads from Espanola and Webbwood. It is underlain by Mississagi quartzite and interbedded greywacke cut by irregular basic intrusives. Neither radioactive nor base metal mineralization was found. The property has been thoroughly prospected and warrants no further work.

Recommendations

It is recommended that the claim be dropped when further assessment work is due, and that no more time be spent on it.

INTRODUCTION

This report deals with a detailed geological survey of one claim, S-72569, which occupies fully the southeast quarter of the north half of lot concession V of Shakespeare Township in the Sudbury Mining Division of Ontario. It is approximately forty acres in area.

The claim is located close to the north shore of Lake Agnew, an enlargement of the Spanish River, about four miles west of Espanola Bay. It may be reached by boat from the end of a road that runs from McKerrow, near Espanola to Espanola Bay or from the end of a roughly parallel road that runs north from Webbwood to the lake.

No evidence of previous prospecting was found.

It was mapped on a reconnaissance scale by geologists of the G.S.C. years ago and recently the adjoining ground on the east was mapped in detail by the Ontario Department of Mines.

It was staked in the fall of 1953 during the "rush" for uranium to hold the ground until it could be prospected.

Early this summer it was mapped at two hundred feet to one inch and all exposures were checked for radioactivity with a scintillometer. East-West baselines were run west from the township line at the north and south sides of the claim and north-south picket lines were cut between these at four hundred-foot intervals. Outcrops and topographical features were tied in by pacing to chainage points spaced at one hundred foot

intervals along the lines.

The work was done by the writer assisted by M.G. Parson, R. Elver and B. Faulkner.

### TOPOGRAPHY

The greater part of the claim is in a valley occupied mainly by rolling sand plain divided into two parts by a long narrow pond caused by beaver dams.

The only rock exposures are found at the extreme north and south on the flanks of hills. They form a very low percentage of the surface area. The surface of each exposure is usually bare with only small patches of moss or other cover.

The central valley may be the surface expression of the extension to the southwest of a fault mapped in Baldwin Township by geologists of the Ontario Department of Mines. This possibility is neither confirmed nor denied by this survey on account of the scarcity of outcrops.

### GEOLOGY

#### General

The property is underlain by Precambrian rocks that consists of Mississagi sediments and later basic intrusives.

#### Table of formations

Diorite and/or Gabbro  
Greywacke  
Quartzite

#### Description of Formations

##### Diorite and Gabbro

On the property, basic intrusives are exposed in the northwest and southwest corners only but they probably underlie the greater part of it. The rock ranges from diorite to gabbro in composition, varies from medium to coarse in grain size and locally is diabasic in texture. It weathers grey with a rough but rounded surface.

The basic intrusives are not in contact with the other rocks but are known in the surrounding area to be irregular masses that cut the sediments and are younger in age.

#### Greywacke

The greywacke is a very fine grained, soft, grey rock that weathers dark grey. It is not well banded.

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It is exposed only in the southeast corner of the claim on the north side of a hill.

It is not exposed in contact with the quartzite and maybe either younger or older but is thought to be part of the same series, and one of many interbeds in the quartzites.

#### Quartzite

The quartzite is represented by only one small exposure in the northeast corner of the claim. It is of the white weathering type generally considered to belong to the Mississagi series.

It is fine grained, and banded and strikes roughly northeast. The dip is very steep to the north but could not be determined closely.

#### Structure

Structural information on the claim is very meagre. No dip or strike could be determined in the greywacke. The quartzite conforms with the regional strike of a few degrees north of east and dips steeply north. No top determinations could be made.

The central section where there are no exposures is probably underlain by a succession of quartzites and interbedded greywacke interrupted in part by an irregular basic intrusive that extends across the property.

This area is probably also cut by a northeasterly striking strike fault that cuts across the northwest corner of Baldwin Township.

CMCA/BJ

C. McAulay.

**REPLACEMENT COPY**

### ATTACHMENTS

Detailed Geology - Shakespare II - Base Map 41I/5S - North Channel, Ontario. Scale 1" = 200' - C.McAulay - November 1, 1954.

### REFERENCES

1. Map 1554 - "Lake Huron Sheet - Ontario" - Canada Department of Mines
2. "Espanola Sheet "Map 291A, Canada, Department of Mines
3. "Espanola District, Ontario, by T.T.Quirke, 1917, Memoir 102, Geological Survey, Canada.
4. "Geology of Baldwin Township" by Jas. E. Thomson - Vol. LXI Part 4, 1952, Ontario Department of Mines.
5. "Preliminary Report on Copper, Nickel, Lead and Zinc Deposits of Ontario" May 1952 by Jas E. Thomson and Resident Geologist, Ontario Department of Mines.

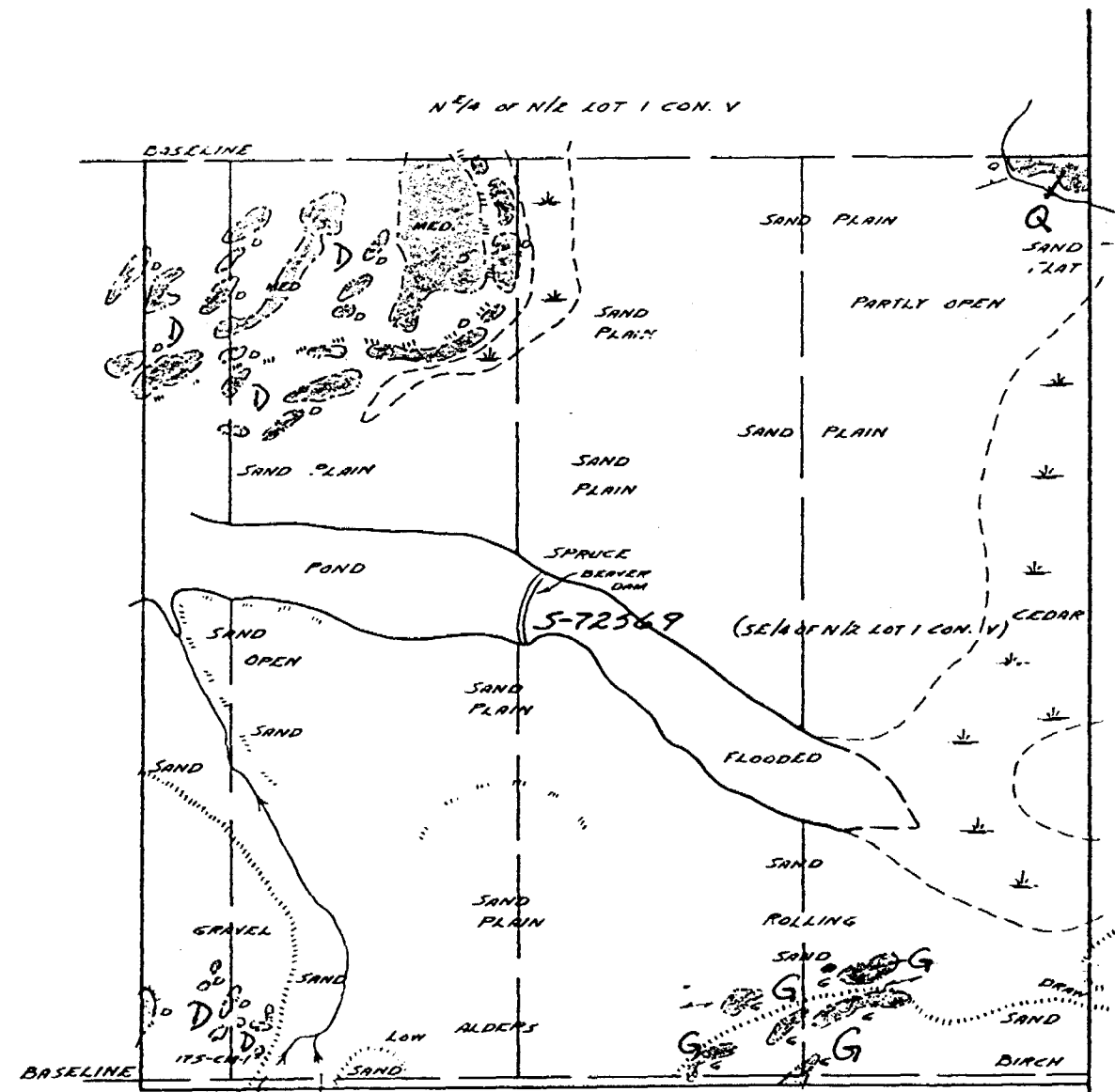
**REPLACEMENT COPY**

SCHEDULE "A"

	<u>1954</u>	
	<u>June</u>	<u>November</u>
<u>Detailed Geology</u>		
<u>Field Work</u>		
C. McAulay	x	
M. G. Parsons	x	
<u>Drafting and Report</u>		
C. McAulay	x	x
<u>Linecutting</u>		
R. Elver	x	
B. Faulkner	x	



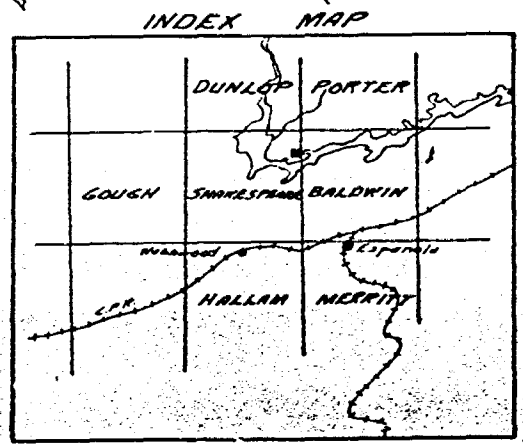
1954  
November



- LEGEND**
- D [Symbol] Diorite & Gabbro
  - G [Symbol] Greywacke
  - Q [Symbol] Quartzite
  - [Symbol] Exposure boundary
  - [Symbol] Swamp
  - [Symbol] Dip & strike of bedding
  - [Symbol] Strike of schistosity
  - x 175 CM-1 Specimen location

12100W  
12000W  
11900W

SHAKESPEARE TWP  
BALDWIN TWP



Dominion Gulf Company  
**DETAILED GEOLOGY - SHAKESPEARE II**  
**BASE MAP 41 I/55**  
 NORTH CHANNEL ONTARIO  
 GEOLOGY BY C. H. AULAY  
 SCALE: 1 IN. = 200 FT.  
 To accompany report by C. H. Aulay, Dated Nov. 1, 1954  
 NOV. 1, 1954  
 NOV. 8, 1954

63A-205



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1954 NOV 11

Mr. H. C. Rickaby,  
Deputy Minister of Mines,  
Ontario Department of Mines,  
Parliament Buildings,  
Toronto 5, Ontario.

Dear Mr. Rickaby:

Enclosed with this letter I am forwarding to you a report and map in duplicate covering a geological survey performed on claim S-72569, located in Shakespeare Township. The report was prepared by C. McAulay, a member of our geological staff.

A break down of the man-days required for the work reported herein with their assessment credit values is shown in the following schedule:

	<u>Actual</u> <u>Man-days</u>	<u>Assesment</u> <u>Factor</u>	<u>Assesment</u> <u>Credit in</u> <u>Man-days</u>
Detailed Geology			
Field Work			
(C. McAulay, Geologist)	5	4	20
Drafting and Report			
(C. McAulay, Geologist)	1	4	4
Linecutting			
(B. Faulkner, Chief)	<u>4</u>	<u>4</u>	<u>16</u>
Total	<u>10</u>		<u>40</u>

The linecutting applicable to this claim amounted to 8 days. However we are reducing this figure to 4 days to conform to your maximum allowance of 40 days' credit per claim for geology.

On the basis of the above, we request that 40 days' geological credit be approved for the above claims.

I am also enclosing a copy of our Schedule "A" which accompanied the work report filed with the Mining Recorder. This schedule shows the complete listing of the men employed on the work herein reported and the dates on which the work was carried out.

Very truly yours,  
ORIGINAL SIGNED BY  
E. W. Westrick  
E. W. Westrick.

JHS:jm

Attachments follow in this order:

1. Schedule "A" showing employees engaged in the work reported.
2. Geological report written by C. McAlay.
3. Geological map, scale 1" = 200'.