

63A 367

GEOLOGICAL REPORT  
OF  
Q.M.I. CLAIMS T-45909 and T-45910  
DANA AND MCWILLIAMS TOWNSHIPS.  
DISTRICT OF TEMISKAMING, ONTARIO.



41109NE0002 0010C1 DANA

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Introduction

Two claims were staked October 16, 1958, one in McWilliams and one in Dana township. They were staked on an occurrence of black anorthosite, which may have value as a source of roofing granules. The claims are 2.2 miles by gravel road to a C.N.R. siding, which is 2 miles from the village of River Valley, Ontario. River Valley is 2 1/2 miles from Sturgeon Falls.

During 1959 the claims were mapped and a series of strippings made with a bulldozer.

Geology

The rocks of the surrounding area consist of a hornblende syenite and grading to a diorite. It is coarse grained, and composed of a grey feldspar and hornblende. There are gneissic patches of altered sediments within the intrusive.

An area of black anorthosite lies within the syenite, and the two claims cover the north part of it. The anorthosite continues to the south of the claims where Nipissing Black Granite Co. has a quarry. The anorthosite on the claims is about 200 feet wide at the north end and 1900 feet wide at the south side.

The anorthosite is apparently a feldspathized phase of the intrusive of the area. It is mainly medium grained on the Q.M.I. ground as compared to the coarse grained material to the south. It is equigranular, massive 1/4" grain, black and unweathered. There is no

evidence of iron rust in the area. It is composed of 85% - 90% labradorite up to 10% hypersthene, a few hornblende grains and less than 1% quartz and iron oxides. The feldspar is clouded with microscopic inclusions that are probably magnetite and ilmenite, giving it a uniform black dense appearance.

The black anorthosite grades into a hornblende syenite on its margins. This is coarse grained and is green-black on fresh surfaces.

The quality of the material has been investigated by T. H. Janes, 1954. He found that the fine grained was acceptable by the manufacturers of roofing and siding, for shape, colour and quality. Further tests have yet to be made on the shape of the medium grained anorthosite.

The bulldozing of the areas has shown the continued uniformity of the rock as well as its size.

There is an indicated 100,000 tons per vertical foot on the claims.

*E. A. Hart, P. Eng.*

E. A. Hart, P.Eng.

October 15, 1959,  
Ottawa, Ontario.



63 A. 367  
(Duplicate)

# QUEBEC METALLURGICAL INDUSTRIES LTD.

ROOM 602, 88 METCALFE STREET  
OTTAWA, ONTARIO



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900

October 21, 1959

Chief, Mining Lands, Branch,  
Department of Mines,  
Parliament Buildings,  
Toronto 2, Ontario.

Statement Required to Accompany Geological Report  
re Claims T45909 and T45910

We hereby certify that

E. A. Hart, 406 Island Park Drive, Ottawa

and

R. J. Roach, 1000 Silver Street, Ottawa

were employed in a geological survey of the two claims, T45909 and T45910, in Dana and McWilliams townships, mapping the claims for rock types and distribution.

This work was carried out on the following dates:-

Oct. 16-17-18/58; June 3-4/59; Sept. 15-16-17/59.

QUEBEC METALLURGICAL INDUSTRIES LTD.

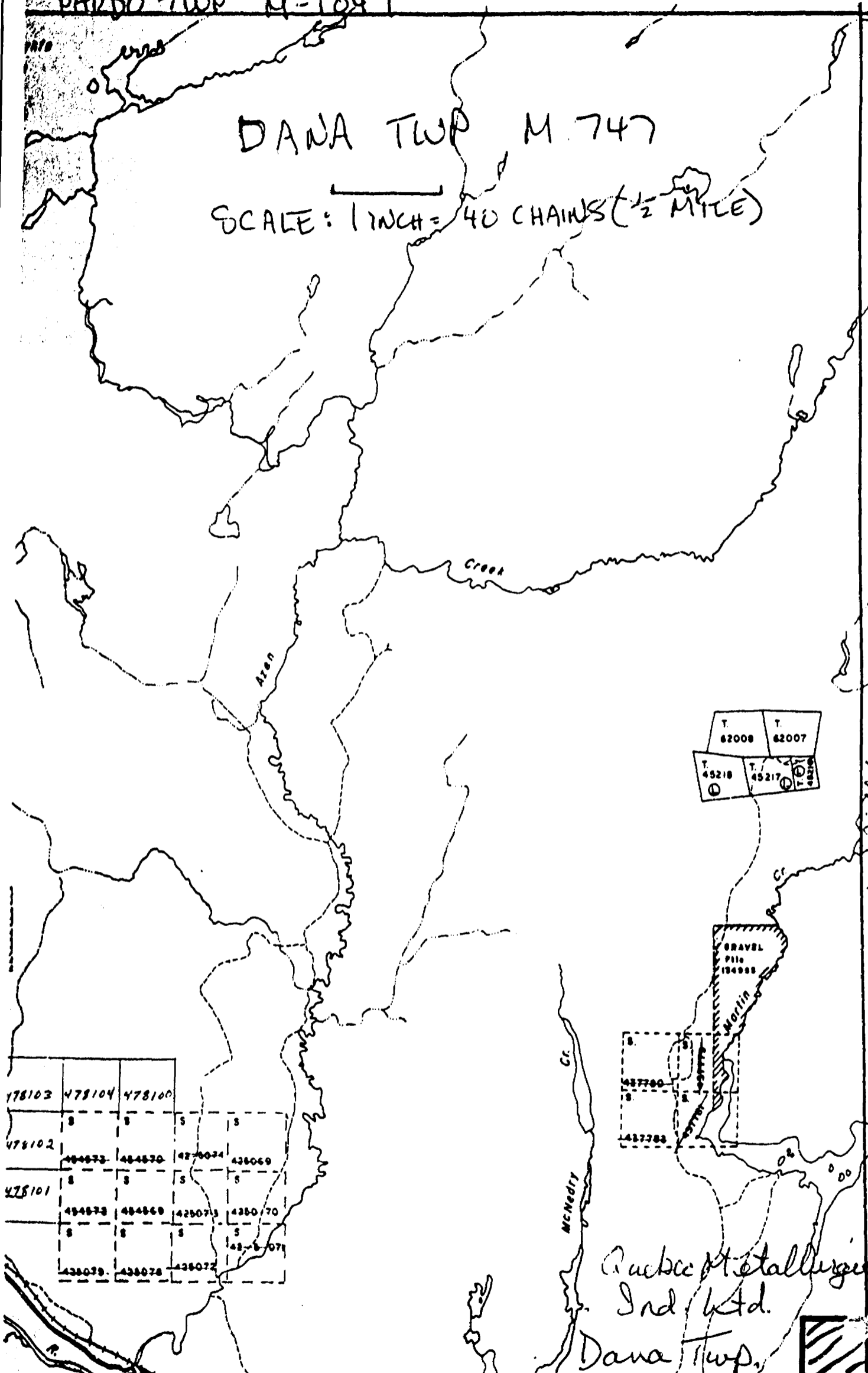
C. van Eeden,  
Treasurer.

CVE:MH

PARDO TWP M-1047

DANA TWP M 747

SCALE: 1 INCH = 40 CHAINS (1/2 MILE)



T. 45218	T. 45217	T. 45216
62008	62007	

478103	478104	478100		
8	8	5	8	
478102	484873	484870	484864	438069
8	8	5	8	
478101	484873	484869	425073	438070
8	8	5	8	
438079	438078	438072	484867	

McWilliams

Receipt Geological  
Ind. Ltd.  
Dana Twp.



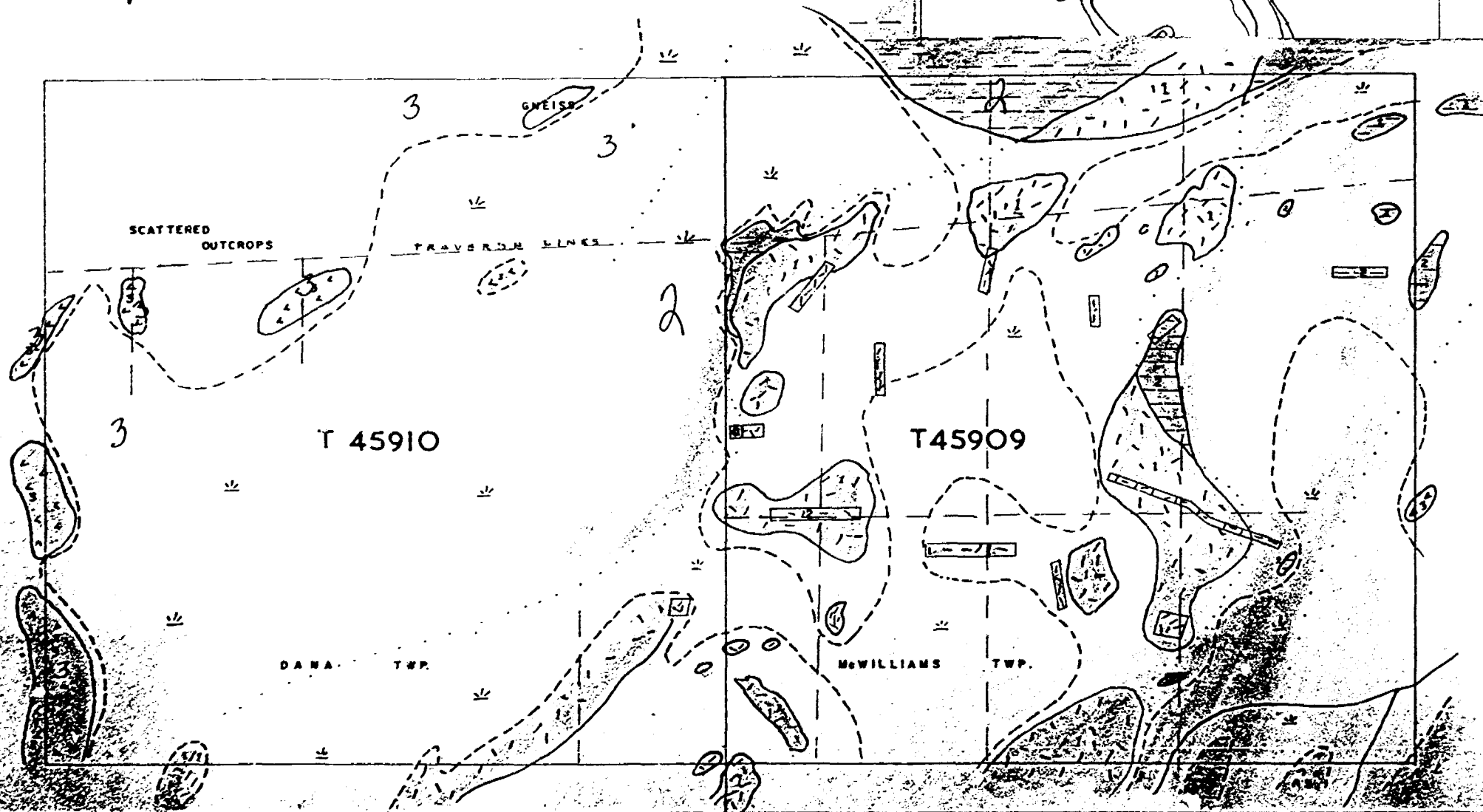
CREAR TWP M-739

**GEOLOGICAL PLAN**  
**OF**  
**CLAIMS T45910 & T45909**  
**DANA & McWILLIAMS TWP.**  
**ONT.**

- |                                |   |  |
|--------------------------------|---|--|
| ANORTHOSITE BLACK MED. TO FINE | 1 |  |
| ANORTHOSITE WITH HORNBLENDE    | 2 |  |
| HORNBLENDE SYENITE             | 3 |  |
| GEOLOGICAL BOUNDARY            |   |  |
| STRIPPING                      |   |  |
| MUSKEG AREA                    |   |  |
| OVERBURDEN SILT and GRAVEL     |   |  |

SCALE 1" = 200'

SEPT. 1959



*McWilliams*

*geol*

*100' 100' 100'*