

GM 36701

GEOLOGICAL REPORT

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Énergie et Ressources
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Québec 

L. Sc. & Ing. E.N.S.P.
PARIS & STRASBOURG UNIVERSITIES
PROFESSIONAL ENGINEER — QUEBEC
MEMBER C.I.M.; A.I.M.E.; S.E.G.; E.I.C.
FELLOW G.A.C.

THEODORE KOULOMZINE

CONSULTING MINING ENGINEER
GEOLOGIST AND GEOPHYSICIST

VAL D'OR, P. Q. OFFICE
1263, 7TH STREET P. O. Box 880
PHONES OFF.: 4-6295; RES.: 4-2127

TORONTO, OFFICE
ROOM 1105; 80, RICHMOND STREET W.
PHONE EMPIRE 3-4593

TO WHOM IT MAY CONCERN

This is to certify that I, the undersigned, Theodore Koulomzine, residing at 218 Ninth Street, Val d'Or, Que., and having my place of business at 1263 Seventh Street, Val d'Or, am a consulting mining engineer, geologist and geophysicist.

THAT I graduated from Paris University (Sorbonne) in 1928, with a degree of Licence es Sciences, and from Strasbourg University in 1929, with a degree of Ingenieur E.N.S.P., and that I am a member of the Corporation of Professional Engineers of the Province of Quebec, duly licensed to practise the engineering profession in that Province.

THAT I have no direct or indirect interests in the properties, shares or other securities of Brutona Uranium and Metals Corporation, and that I do not expect to receive any.

THAT the report on the property of Brutona Uranium and Metals Corporation, attached herewith and dated April 30th, 1956, is based 1) on the personal knowledge of the geology of the Noranda district in general. 2) And on the study of the government maps and publications enumerated on page 2 of the report.

THAT I did not visit the property of Brutona Uranium and Metals Corporation prior to this report, there being no point in visiting the ground while it was still covered with snow.

Dated this 30th day of April, 1956.

Ministère de l'Énergie et des Ressources
Gouvernement du Québec

Reçu: 1980 SEP 2 8

DATE: 36701
No. G.M.: _____



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Report on the
Duprat township property of
BRUTONA URANIUM & METALS CORP.

by
T. Koulomzine, L.Sc. Ing. ENSP.

April 30th, 1956.

INTRODUCTION

The property described in this report consists of 16 mining claims located in the northern part of Duprat township, Rouyn-Noranda county, Northwestern Quebec. It lies approximately 6 miles northwest from the Waite Amulet Mines. The property is in almost completely unexplored part of the Duprat township and, therefore, the main object of this report is to examine the potentialities of the ground, as they appear from the study of the presently available geological knowledge, and determine the best means of exploring it.

PROPERTY TITLES

The mining rights are held in the form of 16 mining claims issued in the names of Messrs. A. Goldman, J. Fulson, J. Anaro and J. Salois, as well as Mesdames W. Fulson and L. Anaro. The ground covers an area of 1,160 acres. All of the claims expire on October 5th, 1956 but are renewable on payment of a fee and rentals and upon completion of prescribed assessment work. The numbers of the claims and corresponding lot numbers are given hereafter:

<u>Claim Number</u>	<u>Number of License</u>	<u>Lot and Range</u>	<u>Name of Licensee</u>
R-91776	C-99785 - Cl.1	32, R.IX	Mrs. W. Fulson
R-91777	" - Cl.2	32, R.VIII	
R-91778	C-99792 - Cl.1	36, R.VIII	A. Goldman
R-91779	" - Cl.2	35, R.VIII	
R-91780	" - Cl.3	34, R.VIII	
R-91781	" - Cl.4	33, R.VIII	
R-91782	C-99787 - Cl.1	34, R.IX	J. Anaro
R-91783	" - Cl.2	35, R.IX	
R-91784	C-99799 - Cl.1	36, R.IX	J. Salois
R-91785	" - Cl.2	35, R.IX	
R-91786	C-99788 - Cl.1	39, R.IX	Mrs. L. Anaro
R-91787	" - Cl.2	38, R.IX	
R-91788	" - Cl.3	37, R.IX	
R-91789	C-99786 - Cl.1	32, R.X	J. Fulson
R-91790	" - Cl.2	33, R.X	
R-91791	" - Cl.3	34, R.X	

GENERAL GEOLOGY

The general geology of the ground is presented on map No. 281A "Duparquet Sheet" issued in 1933 by the Geological Survey of Canada, as well as on map No. M-114, "Geological Compilation of Noranda District" and on detailed "Geological Compilation Map of N.E. Duprat", issued in May 1950 by the Quebec Department of Mines. This latter map on a scale of 1000-feet-to-the-inch is the most complete map of the ground.

There are very few outcrops within the limits of the property and no diamond drilling was ever done on it.

According to the geological information available from the above mentioned maps, strongly folded acid volcanic rocks, interbedded with narrow bands of basic volcanics are present here and are intersected by an older diorite dyke. These geological conditions are definitely favorable for the localization of base metal deposits.

A creek crosses the property in a southeast-northwest direction; two tributaries flow into this creek at right angles to it. The three creeks represent topographical lineaments that are not in line with the local glaciation movements and therefore these lineaments, in all probability, indicate the existence of a pattern of geological fractures that may have played an important role in the mineralization of the area. A complete absence of rock outcrops in the vicinity of these hypothetical fractures may account for the fact that their existence has not been recognized as yet and that any valuable mineralization that may be associated with them remained undetected.

RECOMMENDATIONS

The Brutona property is a well located prospect warranting a thorough exploration program.

I recommend that the claims be subjected first of all to a ground magnetometer survey. This will serve to outline, under the mantle of overburden, the main features of the geological structure. It is probable that upon the completion of the magnetometer survey certain parts of the property will have to be investigated by electromagnetic measurements as a means of outlining areas of possible sulphide mineralization. Diamond drilling, no doubt, will have to be done, but it should be resorted to only after the completion of the geophysical surveys that are essential for properly guiding drilling operations.

T. Houloung