

GM 06771

REPORT ON THE PROPERTY AND RESULTS OF MAGNETOMETER SURVEY, CAMFLO PROPERTY

Documents complémentaires

Additional Files



Licence



Licence

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources
naturelles

Québec 

CAMPLO MATTAGAMI MINES LIMITED
BELL RIVER - MATTAGAMI LAKE AREA

Galinée Township
Quebec

MINISTÈRE DES MINES, QUÉBEC
JUL 21 1958
SERVICE DES GITES MINÉRAUX
No GM- 6771 ✓

PUBLIC

Report on Property and Results of
Magnetometer Survey

May 3, 1958


by: Campbell Fox, P.Eng.

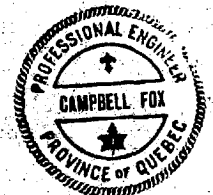
CERTIFICATE

I, Campbell Fox, hereby certify,

1. That my address is Duparquet, Quebec, Canada.
2. That I am a Geologist by profession, being a graduate in Mining Engineering from the University of Nevada, Reno, Nevada, with the Degree of Bachelor of Science in the year 1940.
3. That I am a Member of the Corporation of Professional Engineers of the Province of Quebec and have practised my profession continuously since graduating in 1940.
4. That I hold no interest either directly or indirectly in the mining property described in this report or in the securities of the company nor do I expect to hold such interest.
5. That the information presented in this report is based on data obtained from various Quebec Department of Mines maps and reports, principally, and also a personally supervised magnetometer survey carried out over 1000 acres of the (Mattagami) Property.

Dated at Duparquet, Quebec, this 3d
day of May, 1958


Campbell Fox, P.Eng.



REPORT ON -- PROPERTY AND RESULTS OF MAGNETOMETER SURVEY
CAMFLO MATTAGAMI MINES LIMITED
BELL RIVER - MATTAGAMI LAKE AREA
MAY 3, 1958

GENERAL STATEMENT

Recent interest in the Bell River - Mattagami Lake area of Northwestern Quebec was initiated by the Mattagami Syndicate's zinc - copper discovery. This discovery was made solely on the basis of and as a direct result of an extensive airborne electromagnetic survey. Certain individuals representing important mining interests had long considered that the belt of greenstone in this area warranted a broad-scale prospecting effort, especially in the vicinity of the large intrusive anorthosite - gabbro complex immediately south of Mattagami Lake. Thus, the Mattagami Syndicate was formed and this syndicate staked more than a dozen groups of claims in the area primarily on the basis of airborne geophysical surveys. The Camflo property was acquired eight miles to the south of the Mattagami Syndicate's discovery in what is considered to be a favourable location. The reasons for considering the location favourable include the similarity of the aeromagnetic readings over the property as compared to the readings obtained over the Mattagami Syndicate's property in the vicinity of the discovery. This data is shown on Aeromagnetic Map #533G of the Geological Survey of Canada. The Camflo property was also located where it was thought that there was a good chance of including part of the favourably regarded basic intrusive complex contact with the volcanics.

LOCATION & ACCESSIBILITY

The Camflo property is located in the southeast corner of Galinée Township. The most convenient means of access is by plane from Senneterre, which is located

almost 85 miles due south of the property on the main line of the Canadian National Railways. The Chibougamau branch of the Canadian National Railways North Transcontinental line passes approximately 40 miles to the southeast.

In regard to the availability of hydro power, the Quebec government has been carrying out a power resources survey in the region with a view to servicing pulp and paper operators at Mattagami Lake.

PROPERTY

The general terrain is relatively flat with numerous muskegs. The area drains into Mattagami Lake by way of the Allard, Gizzard and Bell Rivers. The latter river passes within $\frac{1}{4}$ mile of the northeast corner of the Camflo property and may be used as a landing for planes to and from the property.

Apart from a few rocky, knobbed hills, bedrock is poorly exposed in the general area. A few small rock outcrops were reported on the Camflo property but the writer cannot confirm this as the geophysical survey carried out under his direction was during the winter months.

The property under discussion is comprised of 100 claims of 40 acres each, in a single block of 4000 acres. Some of the boundary claim posts were checked by the writer and found to correspond closely to the indicated locations. The property is located in the southeast corner of Galinée Township.

Property details are as follows:-

Galinée Township -

<u>CERTIFICATE NO.</u>		<u>CLAIM NO.</u>	<u>ACRES</u>
C-122085,	Cls 1-5	A-247440-444	200
C-122086,	Cls 1-5	A-247445-449	200
C-122087,	Cls-1-5	A-247450-454	200
C-122088,	Cls 1-5	A-247455-459	200
C-122089,	Cls 1-5	A-247460-464	200
C-129337,	Cls 1-5	A-247465-469	200

<u>CERTIFICATE NO.</u>		<u>CLAIMS NO.</u>	<u>ACRES</u>
C-129338,	Cls 1-5	A-247470-474	200
C-129339,	Cls 1-5	A-247475-479	200
C-129340,	Cls 1-5	A-247480-448	200
C-129341,	Cls 1-5	A-247485-489	200
C-129332,	Cls 1-5	A-247490-494	200
C-129333,	Cls 1-5	A-247495-499	200
C-129334,	Cls 1-5	A-247500-504	200
C-129335,	Cls 1-5	A-247505-509	200
C-129336,	Cls 1-5	A-247510-514	200
C-122090,	Cls 1-5	A-247515-519	200
C-122091,	Cls 1-5	A-247520-524	200
C-122092,	Cls 1-5	A-247525-529	200
C-122093,	Cls 1-5	A-247530-534	200
C-122094,	Cls 1-5	A-247535-539	200
TOTAL.....			4000 Acres

GEOLOGY

The general geology in the immediate area of the property is represented by an irregularly east-west trending greenstone belt interrupted on the east by a basic intrusive mass. Part of the southwest margin of this intrusive appears to extend across the northeast corner of the Camflo property in contact with the volcanics.

As rock outcrops are scarce possibilities of economic mineralization must be inferred from a comparison with conditions existing at the Mattagami Syndicate's base metal discovery 8 miles to the northwest. The principal conditions of similarity on the Camflo property consist of:-

- 1) Similar aeromagnetic anomalies.
- 2) The basic intrusive - volcanic contact is thought to cross both properties.

The Mattagami Syndicate's discovery consists of a replacement type orebody reported by the syndicate to contain an indicated average grade from preliminary estimates of the results of diamond drilling, of 10% zinc and 0.75% copper. It is located in the volcanics in the vicinity of the basic intrusive - volcanic contact. From

the few localities where bed-rock is exposed some sulphide mineralization has been noted by government geologists. One such occurrence referred to in the Quebec Department of Mines Report #57 is located 3 miles to the northwest of the Camflo property. It is quoted as follows - "The shear zone exposed at the rapids of Gizzard River is well mineralized. Interesting quartz-carbonate veinlets contain much pyrite and in places, as at the southernmost rapid, chalcopyrite."

HISTORY

No exploration work has been carried out on the Camflo property prior to staking by the present owners in June 1957 with the exception of reconnaissance geological mapping of a few outcrops by government geologists.

MAGNETOMETER SURVEY

A magnetometer survey was carried out on a selected part of the Camflo property. The survey covered an aeromagnetic anomaly shown on Geological Survey of Canada Geophysics Paper #533G. Evidence from Quebec Department of Mines sources indicates the possibility of this anomaly being located close to the volcanic - basic intrusive contact. The actual area covered by the survey includes approximately 1000 acres covered by Miner's Certificates Nos. 129334, 129335, 129336, 122090 and 122091 (Cls. 1-5).

A large distinctive anomaly was outlined corresponding to the anomaly indicated by the aeromagnetic survey. This anomaly was approximately 3600 feet long by 600 feet wide. Magnetic calculations indicate relatively deep overburden in the vicinity of the anomaly. Other anomalies of lesser size and intensity were outlined by the ground magnetometer survey. The location, shape and magnetic intensity of the latter anomalies suggests the possibility that these represent the basic marginal facies, in tongue form, of an intrusive mass.

CONCLUSIONS & RECOMMENDATIONS

Regional geological and local geophysical evidence indicates the possibility of similar favourable conditions on the Camflo property to those existing in the vicinity of the Mattagami Syndicate's base metal discovery 8 miles to the northwest.

More information is necessary in order to properly evaluate the anomalies outlined by the magnetometer survey.

It is recommended that an electrical method of geophysical surveying be used to check the anomalies obtained in the magnetometer survey. If the results of the electrical geophysical work warranted it diamond drilling would be recommended as stripping or trenching appears to be impossible due to the apparent depth of overburden.

The Camflo property includes a relatively large group consisting of 4000 acres in a single block. Plans concerning exploration of the remainder of the group should be based on the results of the recommended exploration program.

Respectfully submitted,

Campbell Fox

Campbell Fox, P.Eng.

May 3, 1958
Duparquet,
Quebec

