

116

ALL OFFICIAL CORRESPONDENCE
SHOULD BE ADDRESSED TO THE DIRECTOR.
DIVISION OF ORE DRESSING AND
METALLURGY

G. C. MACKENZIE, B.SC., CHIEF OF DIVISION
W. B. TIMM, B.SC., 1ST ENGINEER
C. S. PARSONS, B.SC., 2ND ENGINEER
H. C. MABEE, B.SC., CHEMIST
R. J. TRAILL, ASST. CHEMIST
B. M. DERRY, MILLMAN



MINES BRANCH
EUGENE HAANEL, PH. D.
Director.

OTTAWA, March 6th, 1919. 191

Report of Ore Dressing & Metallurgical Laboratories.

Test No. 116

A shipment of two bags of about 120 pounds of rock carrying molybdenite was received on February 24th, 1919, from G.F. Creaghan, Esq., Kent St., Ottawa. These samples were from Lot No. 4, Range 1, Egan Township, Wright County, Quebec.

The molybdenite was of the flake variety, fairly small and disseminated through the rock which was composed of quartzite and pyroxenite. Iron pyrites were also present.

The whole shipment was crushed down and a sample prepared for analysis which gave the following:-

Molybdenite - MoS_2 - 0.25 %

A small flotation test was made on a portion crushed to 40 mesh, the tailings from which were sampled for analysis and which gave the following:-

Molybdenite - MoS_2 - 0.07 %

Summary and Conclusions.

Under present conditions the above grade would not be classed as an ore. The flotation test conducted on it showed that the molybdenite could be concentrated from the gangue material very readily. The recovery, calculated from the analysis of the crude ore and tailings, is 72% of the molybdenite values, which is a fair recovery on such low grade material.

(sgd) W.B. Timm.

116