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PETROGRAPHY OF SOME IGNEOUS ROCKS OF THE KETTLE RIVER MINING DIVISION, B.C.

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The district from which the following specimens were collected is a comparatively new mining locality, situated between lat. 49° and 50° and long. 118° and 119° .

The specimens were collected by Mr. W. F. Robertson, Provincial Mineralogist of British Columbia, and sent to Dr. Frank D. Adams, Professor of Geology at McGill University, who intended to make a microscopical examination of them. As, however, the writer was working in the Petrographical Laboratory of McGill University at the time, Dr. Adams kindly consented to hand them over to him, and the following descriptions have been written with Dr. Adams's help and under his supervision.

As no petrographical work has hitherto been done in connection with this district, the writer decided to publish his observations, hoping they may be of interest as descriptions of rocks immediately connected with ore deposits of what may prove to be an important mining region.

The sentences between inverted commas are quotations from Mr. Robertson's notes on the respective occurrences. These, together with the descriptions of localities, are taken from his report on the district, which appeared in the Annual Report of the Bureau of Mines of British Columbia for the year 1901. The numbers are taken from Mr. Robertson's specimens.

Numbers 117, 120, 138, 125 were all collected from Aspen Grove.