

passed through in sinking the slope. In the workings, large masses of pink calcite were encountered, occurring after the manner of the great apatite pockets in the Ottawa district. The diabase dyke cut off the mica zone which was however resumed after passing through the intrusive mass. The pyroxene cuts the gneiss at a rather sharp angle. In several of the other dykes mica with calcite was found, but in some, no calcite was visible, in which case the mica is in the form of fissure deposits, occasionally in considerable quantity, but often ending abruptly in small fissures with crushed crystals. Sometimes the mica terminates abruptly through the agency of later diabase intrusions.

In the area between the foot of this lake and the road along the shores of Clear and Devils lakes pyroxenes were observed at a number of points, some of which have not been developed to any extent. The calcite at the bottom of the deep shaft is reported to have become almost barren of mica, resembling in this respect the Lake Girard mine, and the quantity of the calcite was such as to be excavated into large chambers.

Tett's mine,  
Bedford

Another interesting mine in this area is that on lot 4 range VIII, Bedford, known as Tett's mine. Here the country rock is a grayish and rusty gneiss with some limestone, having a strike of N. 60° E. with a dip to the north-west. This is cut across at an angle by a heavy dyke of light green pyroxene which is, in turn, cut by a very hard grayish-green fine grained granite. The mine is opened by a series of pits along the course of the dyke. In most of these there is no showing of the calcite, but in a couple of the eastern pits there is a small quantity. The mica occurs at or near the contact with the rusty gneiss and large crystals of pyroxene as well as of mica are found.

Iron pyrites occurs in bunches, as at the McLaren mine in the harder portions of the pyroxene and has adversely affected the mica, making it rusty in places. The course of the intrusion is N. 55° E. as indicated by the line of pits, but owing to most of these being filled with water at the time of our visit, in 1901, the conditions of the lower workings could not be studied. Most of the mica extracted had been removed, but the output is reported as of large size and good quality. A small band of impure limestone is seen along the south side of the openings and small quantities of apatite were observed at several points.

Further to the north-west on the shore of Mud bay which is an arm on the north side of Bobs lake, on lot 30, range VI, Bedford, a somewhat important deposit is now being mined by Mr. Stoness and others,