

Development work went on vigorously on the Davidson claims during the summer of 1917. A large part of the area was cleared of timber and underbrush, three substantial buildings were erected, and sufficient trenching was done to outline pretty well the location and extent of the mineralized area. The property was then carefully sampled by channelling in the bedrock along the bottoms of the trenches. Although promising results were obtained, no further development work has since been done.

Mr. Otisse and his brother carried on the development of their claims during the summer of 1917, and about the end of the year sold three of their claims, Nos. 5379, 5380, 5402, to the Colorado Ontario Development Company. This company proceeded to develop them systematically during the summer of 1918. A road was built from Montreal river to the claims, and five substantial log buildings were put up. The greater part of claims 5379 and 5380 was cleared, and trenches were dug 100 feet apart so as to crosscut the strike of the rocks. Additional trenches were put in between the earlier ones where indications of ore seemed sufficient to justify doing so. In August, when the surface exploration was well advanced, diamond drilling was begun to determine the underground extension of the ore-bodies. The result of the exploration has been the discovery of a great number of ore-bodies of all sizes and grades of richness. Most of them are small, but two or three are of sufficient size and grade to warrant further exploration. The diamond drilling, which was continued until the end of October, is said to have opened up a considerable body of good ore somewhat below the 100-foot level. The company was reorganized early in 1919 under the name of the Matachewan Gold Mines, Limited, and it is said that work is to be continued and mining commenced at an early date.

The writer examined the Davidson claims in the autumn of 1917 and the property of the Colorado Ontario Development Company in the autumn of 1918. Although full information could not be obtained at that time, as the region is heavily drift-covered and development operations were not sufficiently advanced to give all the information required, still a number of facts were obtained which throw some light on the origin of the ores. These are set forth below.

#### ORIGIN OF THE MATACHEWAN GOLD ORES.

##### *Introduction.*

The present description is intended only as a preliminary statement of the more outstanding facts observable in the present undeveloped state of the discoveries. It is hoped that as mining operations are carried on evidence will be obtainable which will render possible a more accurate and extended description than can be here attempted.

The deposits to be described include those found on the Davidson claims, Nos. 5371, 5372, 5374, 5375, and 5383, and on the neighbouring claims of the Colorado Ontario Development Company, Nos. 5379, 5380, and 5402. Since the other claims in the vicinity were not highly developed at the time of examination, they were not examined closely and will not be described.