

stones to the south-east of Levis, where the same diorites come to the surface and shew similar ores near the contact. The company owning the property at Matane is styled the Matane Gold-Copper Mining Co.

In addition to the localities for copper already described as occurring in the province of Quebec, several others are known to exist, concerning the actual value of which, but little is at present known. Among these may be mentioned Lakes Chebongamau and Obatogamau, lying some miles south-west of Lake Mistassini. In the report for 1870-71, pp. 293-295, Mr. James Richardson notes the occurrence of copper ores in this area, and describes the rocks as green chloritic slates, dolomites, masses of serpentine, conglomerates, etc. In a map recently issued by Dr. R. Bell, these rocks are regarded as of Huronian age and as forming a belt extending for nearly 100 miles in length, with a breadth of about eight miles, in a direction south-west from Mistassini lake. North of  
Quebec.

Mr. Richardson says of these deposits: "Copper pyrites has already been mentioned as occurring in the neighbourhood of Paint mountain on Lake Abatogomow. At a point a little to the south-west of the mountain, on the lake shore, this ore is met with in specks, together with stains of the green carbonate, but no well-defined bed or vein was observed. The rock is a green, slightly calcareous, chloritic slate. These indications of copper are seen for nearly half a mile north-easterly along the lake shore to another point, where a bed or vein two feet thick, containing copper pyrites is seen in chloritic rock for about twenty feet. Its strike is N. 31° E. and S. 37° W., the underlie not being determinable. The portion of the vein exposed would probably yield four or five per cent. of copper throughout, while parts of it might produce ten or twelve per cent. For about three-quarters of a mile farther along the shore, specks of the yellow sulphide and the green carbonate of copper are met with wherever the rock appears. At the end of this distance, and just under Paint mountain, the rock is largely charged with fine-grained iron pyrites and specks of yellow sulphide, in a yellowish quartzose gangue. Here the iron pyrites constitutes as much as fifteen to twenty per cent. of the rock, while along the whole distance above described, about one mile and a quarter, it is never absent, though occurring in small quantities. At the last mentioned place is the depression described on page 293. As before stated, it is filled with drift, and no rock is seen on it; but from the quantities of iron and copper pyrites met with in the rock on both sides of it, it is quite possible that under the drift a valuable deposit of copper ore may exist."