gical statement of Prof. W. G. Miller. Naturally, this map is not complete and in the later editions the topography and geology will appear in greater detail. I wish to add that Dr. M. Maclaren† very kindly indicated to me the geological relationships in the Township of Tisdale and further that I have had the benefit of the examination of numerous specimens by the Geological Survey at Berlin.

II. Extent of the Gold-Bearing Region.

It is not possible at present to definitely indicate the geographical boundaries of the region in which the gold-bearing quartz claims occur. Already about 10,-000 claims representing an area of about 400,000 acres have been recorded. It must not be taken for granted that gold-bearing quartz veins occur on all of these claims—possibly some of the claims do not show quartz veins of any kind. On the other hand new discoveries continue to be made in districts in which valuable deposits were not previously known.

The most important deposits so far located lie to the east of the Metagami River in the Townships of Tisdale and Whitney, but recently discoveries have been made to the west of the Metagami in the Township of Bristol ; the Cripple Creek district.

III. Topography.

The region is generally level or slightly undulating and possesses an average altitude of about 300 metres. The surface is usually covered with glacial boulders, sand and clay. Upon the compact clay a substance resembling turf is formed. The older rocks project through the younger sediments and form ridges which seldom rise more than 20 metres above the plain. In these ridges the quartz veins appear.

The region contains numerous lakes which vary from three to six metres in depth. The Metagami, which is the most important of the rivers, forms a wide sluggish stream when in the region of the recent sediments. Where, however, this stream cuts the altered rocks it forms rapids well suited for the development of electric power.

Until recently the whole district was difficult of access and covered with coniferous forests with thick

† Author or " Gold, Its Geological Occurrence and Geographical Distribution."

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