

for the magnetic variation. All the data agreed very well, so that the resulting map may be regarded as tolerably accurate. We are indebted to the Honourable Commissioner of Crown Lands of Quebec and to Mr. Henry O'Sullivan for copies of maps showing the surveys of the latter in this region in 1897-98, and we have used them in addition to our own in compiling the accompanying map.

Three large lakes.

A short distance to the east and south-east of Mattagami lake are three other good sized sheets of water, discharging into the former, namely Gull lake, already mentioned, which is thirty miles in length, Lake Oiga, sixteen miles long and Lake Waswanipi also measuring sixteen miles. Mattagami lake thus lies in the lowest part of the whole region, except that stretching to the northward, and it collects the waters of all the country to the southward and eastward as far as the watershed of the St. Lawrence.

Nottaway river.

The great stream which flows from the north side of Lake Mattagami and discharges all these waters into Rupert bay is called the Nottaway river, and my Indian guide informed me that the river from Lake Waswanipi, which is larger than the one we descended from the height-of-land near Grand Lake Victoria, had the same name, and Mr. O'Sullivan, who, since his work of 1894, above referred to, has made further explorations in this part of the country, writes me that he considers it to be the natural upward continuation of that river. Lake Waswanipi receives a stream from the south, which I named the O'Sullivan river, in honour of that gentleman, who was the first to map its course, and it also receives a larger one from the east, which, for convenience at the time of our visit to that region as above stated, we recognized under the name of Waswanipi river, although I am not aware that it had been generally known by this designation. The western branch, which we surveyed from the height of land near Grand Lake Victoria to Mattagami lake had no name, and since my survey of it in 1895 it has become known as the Bell river.

Bell river.

The entire length of the Nottaway river, from Lake Mattagami to its mouth in Rupert bay, as well as this bay itself, as far as Rupert House, were surveyed by micrometer and compass by myself in 1895.

Instrumental survey.

The whole region under description has a generally level character with the surface covered by drift and soil, interrupted in some sections by isolated hills and short ridges of rock. The most noteworthy of these occur on the southern sides of the three largest waters of the territory, namely Mattagami, Gull and Evans lakes. Mount Laurier, the highest point of the east-and-west range running along the south