

tion was seen to be profitable, and with success in trade the natural resources of the country made fresh calls upon intelligence and capital. Its stores of minerals were hardly suspected in the early days, chiefly no doubt because the parts first settled were almost exclusively agricultural, and partly also because the settlers had little or no knowledge of minerals. The frontier counties of the river St. Lawrence, as well as those bordering upon lake Ontario and lake Erie, showed barely a sign of any kind of ore, except at two or three places a deposit of bog iron. It was not until settlement began to push backward towards the head waters of the rivers, and lumbermen began to explore for timber in the highlands forming the divide between Georgian Bay and the St. Lawrence and Ottawa rivers, that a knowledge was gained of the existence of minerals in the Province. The labors of Logan, begun nearly fifty years ago, put the seal of scientific certainty upon the discoveries of the pioneers, and from his time down to the present the staff of the Geological Survey has been employed in an examination of our rock formations and in mapping them out for the guidance of all whose employment it is to search for the precious and economic minerals. The work of the Survey is far from being completed in Ontario, and many years must elapse before we can hope to have all the data gathered for a complete geological map. The area to be gone over is very extensive, little of it has been thoroughly surveyed, and there are vast tracts in which no work whatever has been done. Even in Great Britain, where eminent geologists have been employed for many years, important discoveries of coal, iron and other minerals are being made at frequent intervals in regions where their presence was never indicated by surface appearance; and if surprises of this sort occur in so small a region comparatively as Great Britain, we should not be impatient at the slow progress that is being made in Ontario. It should teach us rather the need of increased effort to cover the field; and in view of the territory which the Geological Survey is expected to cover, embracing the whole of the Dominion, it would appear to be the plain duty of the Government of Ontario