

## MINERAL RESOURCES

east to Cape Dauphin on the west, a distance of thirty-one miles, and occupying a land area of over 200 square miles, besides extensive submarine areas. The greater part of these coal areas is controlled by the steel companies. They have also extensive limestone deposits close at hand.

Many small deposits of iron ore have been found in different parts of the province of New Brunswick. The most important so far discovered are those in the Austin Brook district of Bathurst county where mining experts state that great masses of iron ore have been proved. The only development has been at the Drummond mine, on the Nipisiguit river, which is equipped to produce 1,000 tons per day but is at present idle. As a considerable percentage of the ore is low grade it is necessary to concentrate it. In Carleton county, near Woodstock, there is iron ore of good quality which was smelted with charcoal in the early days, but no mining has been done for years. There is iron ore in St. John's county within twelve miles of the city of St. John, but the extent of the deposits does not seem to have been ascertained. So little mining exploration work has been done in the province of New Brunswick that it is quite possible that very extensive deposits of iron may yet be discovered.

Limestones are found in Charlotte, Kings, Albert, Carleton, Victoria, Madawaska and Gloucester counties, the finest deposits worked being those in St. John county, which are very extensive.

No very large bodies of good iron ore have been proved to exist in the province of Quebec, although there are widespread indications of iron, but it is possible that extensive beds of iron ore may yet be discovered, or that some of the known deposits now regarded as doubtful may prove to be of great value. There is some reason to believe that there may be extensive iron ore deposits along the Gatineau river in Hull township, Ottawa county, within a few miles of the city of Ottawa. Mr. Fritz Cirkel, of the Dominion Department of Mines, who made a report on the iron ore deposits along the Ottawa and Gatineau rivers, thought them of sufficient importance to justify mining on a large scale. There are a number of deposits of iron ore throughout the county of Pontiac. Some of them are evidently poor in quality and limited in extent. Others make a better showing, but only development work would prove whether they are of any value or not. On Calumet island in the Ottawa river both magnetite and hematite ores have been found, but no development work has been done and the quantity of ore is uncertain. An analysis of hematite ore showed it to be very low both in phosphorus and sulphur, but it contained a small percentage of titanitic acid. There are large supplies of limestone within easy reach of the iron ore deposits along the Gatineau and the Ottawa rivers, and there are a number of waterfalls not far distant from which electric power could be obtained. It has been suggested that these ores might be smelted by electricity. In Grenville township of Argenteuil county, about half way between the cities of Montreal and Ottawa, are iron deposits which have been talked of for years, but little development work has been done. There are a number of deposits of magnetite, but no large bodies of ore have been proved. It is estimated that there are many