

ONTARIO.

MANGANESE.

There are very few occurrences of ores of manganese in this province, and none of these has been worked. One of the first discoveries is that of Bachewanung bay on Lake Superior, which is described as follows in the "Geology of Canada 1863."

"At Bachewanung bay, near the southwest end of the Upper Canada Mining Company's location, and not far from the shore is a large vein of manganese ore, running north and south, and from fifty to sixty feet wide. It is described as presenting the aspect of a succession of small knobs, in which, mixed with a reddish trappan rock, are numerous strings of the ore, associated with quartz and calc spar, and occasionally with octahedral crystals of fluor. The ore, which is massive with small geodes of crystals, is described by Prof. Hudley as manganite or hydrous sesquioxide of manganese, which for manufacturing purposes is inferior to the peroxide. A specimen was found by assay to be equal to sixty per cent of peroxide of manganese."

In the Rainy lake district manganese has been discovered associated with the iron ore deposits to the north of Gunflint lake: an occurrence is described as follows by Mr. Connee in the second report of the Ontario Bureau of Mines: "This range (iron ore) is near Sand lake, four miles from the Port Arthur, Duluth, and Western railway. The deposit has been found to be a large one. A pit has been sunk about 15 feet, and as far as the pit has shown up the vein, it seems to be very much decomposed. The ore assayed 65½ per cent. of iron and carried also a good percentage of manganese. The manganese appears to be dispersed among the iron, but it also occurs in pockets: they have taken out small quantities of manganese almost pure."

Wad or bog manganese occurs at several places in Ontario but has not attracted any attention, so that very little is known about these occurrences. An extensive deposit is said to occur in Hastings county, Madoc tp., lot 4, range V.

NORTH-WEST TERRITORIES.

North-west
Territories.

In Assiniboia a deposit of manganese ore is reported to occur on the north bank of the north fork of Willow creek. Tp. 5, R. 1, west of 4th Mer.

Mr. Pearce gives the following description of the deposit: "The manganese is found in pockets in a honeycombed formation four or five feet thick, composed of clay and sand with no sulphur or lime. Taking the deposit as a whole, manganese is estimated to run 5 per cent."

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