

variable thickness, they might be sought for here with much probability of success.

A continuation of the same rocks holds beds of limestone at Emerson's Creek, a few miles to the eastward. The facilities for working this ore are, therefore, in some respects, unusually good, but no smelting operations have hitherto been undertaken. From its association, it would appear that this ore was originally deposited in the state of a finely divided ferruginous mud, in a shallow sea, and within the influence of active volcanoes."

The ore is favorably situated for mining, the fuel and the flux being both abundant in the vicinity, while the transportation to Black River, or the shore in the immediate neighborhood, would not be difficult. The ore yields, as I am informed by Mr. Allison, about 68 per cent. of metal.

There is but one other portion of the Province where metalliferous deposits exist in sufficient quantity to deserve mention here. I refer to the County of King's, in which, at various points, ores of the different useful metals have been reported. Two of the localities, that yielding lead, at Norton, and that from which manganese is now extensively removed, at Sussex, have already been alluded to. Besides these, galena is reported as occurring in limestone, on the north shore of Belle Isle Bay, (probably similar to that at Norton,) and at Quispamsis; a large bed of magnetic iron ore west of Bull Moose Hill; also at Kingston; specular iron at Clifton, and to the north of Baxter's Inn. None of these last named localities have been visited by me. For information regarding the Bull Moose Hill deposit, and also another large ore-bed, near the Nerepis, see Gesner, 1st Report, page 72, also 3rd, page 52.

#### RARE METALS.

Besides the above named common and useful ores, such as lead, iron, copper and manganese, I may briefly allude to a few of the rare metals, which have from time to time been discovered in the Province. None of these, in the quantities at present known, are of commercial value, but are interesting as indications of the districts where greater quantities may yet be discovered, and also as defining more clearly those regions in which mineral wealth is to be expected.

**GOLD.**—As before stated, gold was found by me during my tour in Albert County, in the vicinity of Elgin Corner. This locality is worthy of more attentive and thorough examination. The precious metal has also been stated to occur on some of the streams in the vicinity of Bathurst, and on the Serpentine, or left branch of the Tobique. I have also seen an excellent specimen, said to have been found on the Wapskahegan, a tributary of the Tobique, as described in an earlier portion of this Report. A very striking fact, and one which goes far to prove the correctness of some or all of the above statements, is that three of the localities, at least, are situated in the same geological formation, and that, one which in itself is a highly promis-