

(2.) The adjoining Lot 28 (North and South Halves) of the 6th Range of Templeton, comprising 200 acres of mineral land.

(3.) The contiguous South-half of Lot 27, in the same Range comprising 100 acres of timber land.

(4.) Ten acres in Lot 2 of the 6th Range of Hull, on the left bank of the River Gatineau.

This latter area has been secured partly to serve as a storing place and loading ground for shipping the ore, but chiefly as a convenient site for the erection of furnaces; as a much larger profit should accrue, under proper management from the reduction of the ore at home, than by its sale in the crude state. Coal can be laid down at this spot for about seven dollars per ton. The area is connected with the mineral or iron area proper by a tramway of $6\frac{1}{4}$ miles in length. This Tramway, of three-feet gauge, has been very solidly constructed, and it is now in complete working order. It runs for a short distance through the Haycock property (see the annexed plan), and is then continued along the town-line between Hull and Templeton, to the furnace-site on the Gatineau.

As regards surface conditions, it may be stated that the mineral portion of the location is traversed by several roughly parallel but more or less broken ranges of high land, running for the greater part in a general north-east and south-west direction with intervening breadths of somewhat marshy ground. The latter, across which the beds of ore run without interruption, can easily be drained, as there is a fall of about fifteen feet from the marsh in Lot 28 of Templeton, to the low ground in Lot 27 to the east. The higher portions of these lots are covered with an abundant growth of timber suitable for mining and other use.

2. *Mineral Features*.—The Haycock Location is underlaid by by micaceous and gneissoid strata referable to the higher portion of the Laurentian series. These strata have a general north-east and south-west strike, and they dip towards the north-west at an average angle of from 45° to 50° . Outcrops of bands of iron ore, running parallel with the stratification, occur more or less throughout the property, and are especially numerous on the slopes of the ridge along the central line of Lot 28, as shewn in the section attached to this Report. The strata, here, exhibit sundry foldings and corrugations along their course; and thus it may happen that excavations opened on the face of the ridge, although at somewhat different levels, and therefore apparently on distinct beds of ore, may be really on the same bed. Apart, however, from this probability, twelve distinct beds occur on the southern slope of this ridge alone, and another of workable dimensions outcrops at the foot of the northern flank of the same ridge. The ore in these beds is almost free from intermixed rock-matter, and is in other respects of very remarkable purity. This applies, indeed, to the upon the property generally. I have examined some hundreds of pieces taken from all parts of the location, without detecting in any one the slightest visible trace of pyrites. The great purity and richness of the ore is also confirmed by the analysis given below.