

It is first met upon the tramway at a distance of 8,600 feet from the pier. From this point the distance is one mile to the eastern end of the outcrop, and two and one-half miles to the western end. At the open cut near the tramway the section shows ten feet of clean ore. At Gull island head the bed is eight feet thick and at Ochre cove seven feet, the average of the whole bed being probably eight feet.

At the western end the dip is N. 19° E. 7°. This increases a few degrees going east, and the dip changes towards the north. Along this outcrop of 3½ miles not any dislocation of the strata has been found, and the ore is exposed over most of its extent. This gives unusual facilities for open-cut working. There is little doubt but that 200 feet of this outcrop can be mined open-cut over the greater part of this distance, giving 2,000,000 to 3,000,000 tons of ore. When this is worked out many times that amount can be mined underground with natural drainage.

From the open cut near the tramway 3,000 tons have been shipped to the Ferrona furnace of the Nova Scotia Steel Company, giving entire satisfaction in the manufacture of foundry pig iron.

From about 100 analyses made during the past year the composition of this ore is found to be:—

	%	%
Metallic Iron	54.000 to	59.000
Silica	5.000 to	12.000
Alumina	2.000 to	4.000
Phosphorus	.500 to	700
Sulphur	Trace to	.012
Carbonate of Lime	3.000 to	5.000
Oxide of Manganese	Trace to	.400

THE UPPER BED.

At Station 101 on the tramway the outcrop of another bed of ore appears, overlying the first in stratification and six feet in thickness, the ore is fully equal to the lower bed, the average of eleven analyses from widely separate points giving 57% in metallic iron. While not extending over so large an area as the lower bed its boundaries are equally well defined, leaving no doubt as to the quantity of ore it contains. The exposure in the cliffs is quite regular at both the east and west ends, and the ore has been test-pitted along the outcrop between.

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strata making

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