

THE MAGNETIC IRON ORES

OF VICTORIA COUNTY,

WITH NOTES ON CHARCOAL IRON SMELTING.

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During the past summer I was called upon to make a general report of the iron occurrences in the vicinity of the Victoria Railroad, and I now have much pleasure in bringing to your notice, in a condensed form, the result of my investigations.

The Miles Location, or Old Snowden Mine, has received notice at the hands of Prof. Chapman in a report published in 1874, therefore the general character of the ore will be known to some of you.

The Victoria Railroad, as you know, runs from Lindsay to Haldiburton, some 55 miles. A short distance north of Lindsay a branch was built by Mr. Miles, which runs in a westwardly direction to his iron location, six miles from the main line. I shall now briefly refer to the GEOLOGICAL OUTLINES, which I do not think have been previously recorded.

Going north from Lindsay, several escapements of horizontal beds of Silurian Limestone are passed through. On crossing the Burnt River, after leaving Fenelon Falls, an outcrop of Granite appears on west side of the Railroad. Some compact limestone, approaching a marble in texture, which takes a good polish, and a bed of lithographic stone, are passed in cuttings near Felly's Bridge.

The crystalline rocks come in between Felly's Bridge and Kinmount (at which place they are well defined), but owing to the overgrown condition of the country, it was impossible to note their junction.

The crystalline rocks belong to the Laurentian Series, the strongest iron carrying rocks in our country. Their strike here, as is general, is about N. N. E. and S. S. W. and dip about 40 % E.

They consist of alternating granite, gneiss, syenite and crystalline limestone, with occasional bands of dioritic rocks, which, however, are not so strongly developed in this as in the Madoc region.