

TO THE PROPRIETORS OF
THE PICTOU IRON DEPOSITS, NOVA SCOTIA

REPORT OF WALTER SHANLY, ESQ., C.E.

NEW GLASGOW, N.S.,

12th May, 1873.

I have made a full and careful examination of the several veins or deposits of iron-ore specified in the reports of Principal Dawson, F.R.S., and of Mr. G. M. Dawson.

The exposition and calculable quantity of the several beds described in the Reports are in respect over-stated.

SPATHIC ORE.—The Spathic ore, openings on which have been made on a small brook tributary to Sutherland's River, and about $8\frac{1}{2}$ miles due East of New Glasgow, is a very remarkable deposit, and will be of great value for mixing with the other ores embraced in the Pictou "areas," more particularly the Red Hematite. Since Mr. Dawson's Report was made, another pit has been sunk some distance to the Eastward of the bed specially referred to by him, and proving the extension of the vein in that direction. The exposure of ore at both places is in the highest degree satisfactory and encouraging. Apart from the lime held in the matrix of this ore, pure limestone will, in all probability, be obtained in considerable quantities from the workings of the mine, as it seems to exist in bands or intrusive masses along with the ore. The selected area here is about one mile square, not encumbered by royalty or rent.

RED HEMATITE.—The Red Hematite ore, as exposed by natural and artificial openings on the "Webster farm," situated on the height of land between McLellan's Brook and Sutherland's River, makes a very fine exhibit. The quantity of this ore even within the secured area (about one square mile), is almost illimitable. Dr. MacAdam, of Edinburgh, calls it a "high class ore," a character fully borne out by external indications. It is a great ore bed, with excellent facilities for being worked to a depth, if necessary, of 300 feet with adit drainage.