

LIMONITE.—The Brown Hematite, or "Limonite" Ore-bed has been proved on the "Fraser Saddler Farm," in the valley of the East River, six miles in a direct line S. 45° W. from the Red Hematite at Webster's. The principal opening made here by Mr. G. M. Dawson uncovers a vein of 17 ft. in width, "of the very best quality of the class" (Dr. MacAdam). It makes a most promising "show," and requires only to be carefully followed, it is my belief, to establish the existence of a vast and continuous deposit of this most valuable ore. The bed is on the East side of East River, and, for facilities of access, drainage and shipment, is the most favourably circumstanced of all the several deposits which are the subject of this letter.

SPECULAR ORE.—The area (one mile square) on which openings to prove the Specular ore vein have been made, lies on the West side of East River some 450 ft. above the level of the valley. Three openings at distances of 900 ft. and 1,086 ft. apart respectively, have been sunk upon the bed, showing a vein of 10-12 and 20 ft. in width. It is beautiful ore, "a very fine, rich, specular ore," as pronounced by Dr. MacAdam. The existence of a continuous vein, angling across the area, is undoubted; the quantity of ore practically inexhaustible.

(Since this was written explorations during the summer of 1874 have been continued under Mr. E. Gilpin, M.A., F.G.S., Mining Engineer, who has also made a survey of the proposed tramway to connect the coal and iron deposits. These explorations have proved still further the extensive character of the iron deposits, and also the existence of a highly magnetic ore adjoining the principal Specular deposit, but not yet proved to any extent.)

ACCESSIBILITY.—With the exception of the Spathic, all the ore beds here treated of lie in the water-shed of the East River. The Red Hematite and Specular outcrops at high elevations above the valley, but to be reached by rail or tramways without extraordinary difficulty or expense. The length of main line to be constructed to bring the Red Hematite (the furthest-off deposit) to the Pictou and Halifax Railway will be from twelve to fifteen miles; the other "East River deposits" being served by short spurs or branches from the main track. The Spathic bed is on the water-shed of the Sutherland River (falling into Merigomish Bay). It will require a separate and distinct railway from that in the East Valley, but it seems probable that the line contemplated (and