Pictou N.S.
June 3/72

My dear Sir

According to promise I now proceed to state to you the results of my explorations so far at this place, referring to the numbers of the areas and rights of search as marked on the copy of my map ~~in your possession~~ enclosed herewith.

I first visited the mining area No 3 on the West side of the East Branch and was pleased to find that Mr Hartley had rather understated than otherwise

its apparent capabilities, for the only exposure of any consequence which I had somewhat enlarged the deposit appears as a vein traversing a slaty rock and showing a thickness of at least 12 (twelve) feet of dense specular ore intermixed with fragments of the containing rock but the ore ranges predominately and in a considerable proportion of the vein altogether pure. At another place 300 yards distant on the line of strike a thickness of eight feet of very pure ore was seen without exposing the walls

Surface indications show that the ~~vein~~ extends quite across the area apparently without disturbance, and on the whole the appearances are more like those presented on some parts of the great Lanchonbury ~~main~~ vein (Emerys) than anything I have elsewhere seen. The outcrop of the vein is on high ground about 200 feet above the drainage of the neighbouring streams

quite well situated for working,

the Rights of Search which have been taken up cover for five or six miles on the line of extension of this vein and I hope to visit some portions at least of these before leaving the district.

I next examined the Hematite vein No 4 on the map. At the exposure originally made by Mr Hartley I was enabled to verify his estimate of the thickness of the vein (about 8 feet of pure compact and fibrous hematite) and to ascertain that its course is here nearly parallel to the vein which carries it along the front of both the areas marked 4 and in both its presence is shown by satisfactory indications. The mining area already selected on Map 4a covers the best portion as yet exposed but I shall endeavour to have its lines extended so as to

cover a still larger portion and should also assure the selection of a second area of one square mile on the adjoining area No 2 & cover as much as possible of this enclosing big valuable vein, where portion makes it the most eligible of all these deposits to the present railway which is only about six miles distant by the existing roads.

I next visited the areas No 2 and on the two centres of these (2a & 2b) found the extension of the great belt of red & specular hæm ore which traverses the Upper Silurian Slates and is probably the original source of the Iron in the veins already mentioned

On the original extension of this bed (which is known on an area not included in our present arrangements) the General Mining Association made openings many years ago. A careful examination of these showed that the bed occupies a thickness of about ~~twenty~~ fourteen feet, though with subordinate ~~beds~~ seams in other parts of the thickness of the bed which was originally estimated at forty feet. The extension of the bed runs more to the eastward than indicated in my map ~~where its presence is indicated~~ where its directing bearings are shown by the dotted line of the bands lying yellow by surface blocks, and should have our mining area on this right hand further out in this direction.

On the lot 2 I was so fortunate as to find as decent and ~~still~~ quite ~~large~~ as valuable exposure of this bed dipping in the opposite direction. We portion exposed a thickness of at least ten feet of apparently very good ore and a second bed appeared near it with a thickness of about three feet. I shall take measures to have these claims further explored so as to ascertain still more precisely the best places for mining areas.

The country in the vicinity of this ~~district~~ district is elevated and well suited for working the ore and is accessible either by the Bellevue Branch

on the Last diving. While the deposits previously mentioned will with the ~~Spathian~~ ~~Calcareous~~ form Mengaud present a material unsuspected for steel and the finer qualities of Iron I look to thus feed lest as the source of our inexhaustible supply of ordinary foundry pig. You will see from the above that the statements in my previous reports of my recent discoveries are so far from being ~~true~~ ~~exaggerated~~ ~~or~~ ~~false~~ ~~but~~ ~~they~~ ~~are~~ ~~the~~ ~~Mengaud~~ deposit I hope to visit this week; but as the mails leave Walli for my Portuguese it may be two weeks before you receive my notes on it.

I shall put up for transmission by the same steamer which carries this samples of the ores which will serve to give a better idea of their quality than the small fragments which I was able to furnish from my collection at Montreal.

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Copy Meiner
Ent R
June 1/72

Col Memo
East R

Letter

East River