

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} my map
^{enclosed herewith.}
~~in your possession.~~

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

its apparent capabilities,
 In the only exposure of
 any consequence which I
 had somewhat enlarged
 the deposit appears as
 a vein traversing a stony
 rock and showing a
 thickness of at least
 12 (twelve) feet of
 dense specular iron inter-
 mixed with fragments of
 the containing rock but
 the ore largely predominates
 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 dis-
 turbance, and on the
 whole the appearances are
 more like those presented
 on some parts of the
 great Linsenduney ~~vein~~ vein
 (Swesey), 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
 and very ^{shallow} ^{of working,} ^{which} ^{have}
 the rights of search ^{have}
 been taken up ^{for} ^{some}
 a six miles on the line
 of extension of this vein
 and I hope to visit
 some portions at least
 of them before leaving the
 district.

I next examined the
 remarkable 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 originally made by Mr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 ^{concentrated} ~~concentrated~~
 part and ^{hematite or iron} ~~hematite~~)
 and to ascertain that
 its course is here nearly
 parallel to the vein which
 carries it along the joints
 of both the areas marked
 4 and on both its presence
 is shown by satisfactory in-
 dications. The mining area
 already delineated on No 4
 covers the best portion as
 yet exposed but I shall
 endeavor to trace its
 lines out as far as to

Cover a still larger portion
 and shall also explore
 the detection of a second
 area of one square mile
 on the adjoining area
 W 1 & cover as much
 as possible of this country
 by valuable veins, where
 further makes it the best
 example of all these deposits
 to the present railway which
 is only about six miles dis-
 tant by the existing roads.

I next visited the
 areas W 2 and on the
 two central of these ⁽²⁰⁸²⁶⁾ found
 the continuation of the great
 bed of red ^{481 specimen} iron ore which
 traverses the Upper Silurian
 strata and is probably the
 original source of the iron
 in the veins already mentioned

On the original exposure
of this bed (which is common
on an area not included in
our present arrangements) the
General Mining Association made
openings, many years ago.
Careful examination of these
showed that the bed all
occupies a thickness of about
~~fourteen~~ ^{fourteen} feet, though with
subordinate ~~beds~~ ^{layers} in other
parts of the thickness of
the bed which was originally
estimated at forty feet.
The extension of the bed
was more to the eastward
than indicated in my map
where its presence is ~~indicated~~ ^{indicated}
~~by surface blocks, and~~ ^{of the strike of the main ledge of this}
shall have our Mining area
on this right taken out
in this direction.

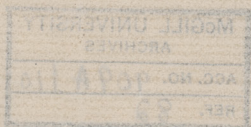
On the Oct 26 I was so fortunate as to find a second and ~~still~~ ^{quite} ~~more~~ ^{as} valuable exposure of this bed dipping in the opposite direction. We first exposed a thickness of at least ten feet of apparently very good ore and a second bed appeared near it with a thickness of about three feet. I shall take measures to have these claims further exposed so as to ascertain still more fully 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 Bellair's Brook

on the East River, while
 the defects previously men-
 tioned will not be the
~~spatially~~ ⁱⁿ ~~substantially~~ ^{the} ~~same~~ ^{same} ~~as~~ ^{as}
 found a material was
 proposed for steel and
 the price qualities of
 are I wish to this
 deal led as the
 source of an inexhaustible
 supply of ordinary primary
 pig. ^{you will see from the above that}
^{the statements in my reports are}
^{not only true but they are}
^{the result of my own}
^{investigation}
 depart I hope to visit
 this week; but as
 the mails leave I will
 put up postally it
 may be two weeks before
 you receive my notes
 on it.

9

I shall put up for
transmission by the same
steamer which carries
the 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.



Copy Memo

Vol 11

June 11/2

The first of the series of papers
 prepared for this year
 is a list of the names of
 the persons who have
 been admitted to the
 office of the Secretary
 of the Board of
 Education since the
 first of January
 1870. The names are
 given in alphabetical
 order, and the date
 of admission is
 given in parentheses
 after each name.

Copy Memo
Earl R

[Faint, mirrored handwriting, likely bleed-through from the reverse side of the page]

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