

Truro Oct 21 1849

Dear Mr. Webb,

I recd your note, saying that you found all the specimens at hand on your arrival at Pictou, & G. Archibald Esq. informs me that you want a piece of the magnetic Ore, from Great Village, I now forward you a specimen, Urquhart has sunk on the Ore 13 feet. It is 6 feet wide. It has now become very compact in stratified angular masses, assuming extremely a yellow coating and on fracture dark steel grey color, it is evidently improving as they deepen the masses are larger and very heavy, It is probable that this Ore will make extensively along the line as the diggings become more numerous, they have also, driven in on the red Ore about $\frac{2}{3}$ up the Hill at one place, to the distance of 45 Yards, Cobin and it has yielded about 50 lbs of beautiful Ore, This is fluttering. all sunk on the Yellow Ore to the depth of 48 feet, and the Yellow Ore appears to be very abundant and rich, occasionally meeting with a boulder of Antimony, and a little of the specular in particles interspersed, they have driven the Iron bar 10 feet further down without interruption. on this extraordinary bed of Yellow Ore.

I write the following supposing that it will be interesting to you. We have had a visit lately from a Gentleman by name J. Webster Cochran Esq. C. E. He informs me that he received specimens of the specular and the red Ore from Chas. Archibald before he left England in the Spring of the Year, He had since visited the famous Lenomora Mines of Sweden, and compared the specimens with those of the Lenomora, and finds them to be identically the same; on shewing the specular, they said it was good, but that he would not get much of it, He then shewed them the red Ore, and they appeared to be astonished about it, and enquired particularly, if they were much of it, He answered Yes, a Mountain of it, He also states that they are now working

to the depth of 21 Hundred feet under ground and following since
veins from 18 Inches to three feet in width and that the Antimony
which they prize highly is not very abundant and that wood
in the surrounding Country in the vicinity of those Mines is very
scarce, and that the average of the Ores they work will not
give more than 38 per Cent, they work the specular, red ore, Yellow,
and Antimony, Now for the Comparison of the Linnarosa with
the Acadia Iron Mines according to Colburn, they are as
follows, The Mountain Elevation is greater by 425 $\frac{1}{2}$ feet
The specular ore, red ore, Yellow, and Antimony we have three
to one in our favor as to Quantity, and particularly the Yellow Ore
and Antimony, He remarks, that the Yellow Ore is unprecedented as to
Quantity and that it is highly prized as well as the Antimony to work with
Other ores - and that the Linnarosa Mines of Sweden must yield to
the Acadia Mines of British North America if worked with common
prudence! He further remarks, that we are wasting a great
deal of valuable Ore, that would be broken and pick'd with the greatest
of Care and Economy, if in Sweden, Mr. Cochrane has taken
a share in those Mines, at the Great Village, and has come on
expressly to ascertain facts, and He now observes with great
satisfaction, that He has witnessed with the Eye, what could
not be communicated by Letter, He has taken his departure
for New York in the Autumn and will return to England
during next Month, with testimony, highly flattering of the
prospects to look forward too He intends to return to this Country
next Spring, and I am in hopes the Company will carry on, as
if they intended really to do some thing in earnest.

I thank you for the Analysis of the Iron pyrites
also for your advice to Mr. Colburn about the Copper Ore, the vein in
which it makes, is not more than 30 - 40 feet wide, accompanied
with Barreled -

The surrounding formation of rocks is Clay slate, I find also Copper
in three other places but none of them very interesting, It is probable
further discoveries could be made in that quarter,

I now send you the specimen of ^{magnetic} Specimen ore from Great Village
with yellow surface also send you a fine specimen of magnetic
sparry iron ore from Economy for your Cabinet this is the description
that C. D. Archibald Esq, had analysed and yielded 13 parts out of 1000 of silver
I should like to know the correctness of this, and its value for iron, of the ore,

I now send you a few specimens from St. John's as I shall
not trouble you again this winter with any more, may I beg the favor of
a close examination, I want if possible to obtain a trace of Copper from
East river & Bass River. also let me know what the following numbers are
distinctly a short reference will be satisfactory ~~at an early date~~
and oblige

N^o 13 - I have extracted the following
from an English work. relative to Pyrite

"Golden pyrites, or Iron
is close compact substance
in which it is said to be
because it cannot be used
Amalgamation, The Gold
like stream Spanish is
in one Hundred of

- the specimens for you
- N^o 1 Magnetic from A.
- N^o 2 from Economy
- N^o 3 Specimens, supposed
- N^o 4 Specimen from
- N^o 5 ^{specimens} ^{crystals}

Mr. Cady
Picton

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