



September 29, 1843

Mr S. de Perthes of Montreal having
 desired me to state my opinion respecting
 certain deposits of Iron ~~ore~~ ^{properties} on the East
 River of Peter went purchased by him;
 and referred to in Reports in his
 paper from myself, from Mr S. M.
 Dawson, Mr Walter Chauvy and others,
 I beg leave to state that the properties
 referred to in these reports are known
 to contain the following deposits.

(1) A bed of Red Hematite occurring
 in the Upper Silurian strata. I consider that
 the outcrop of this bed has been traced
 on these properties for nearly three miles,
 and that its thickness ranges from ten
 to twenty feet of good ore, capable of
 yielding from 20 to 54 per cent of Iron.
 It is so situated on the property that
 it can be worked to a great depth
 with little expense for drainage.

copy referred to
 Perthes

Call
 1843



(2) A vein of specular Iron ore proved to be in ~~many~~ ^{several} places 20 feet in thickness while its outcrop has been traced for a mile over ground generally situated for its exposure. It is a remarkably pure one capable of yielding from 64 to 68 percent of Iron.

(3) A vein of Limonite or Brown Hematite capable of affording 39 percent of Metallic Iron and free from injurious impurities. It has been proved to be fifteen feet in thickness and extends in my judgment over more than a mile of the property. It is more favorably situated as to position with reference to the coal mines than any other of these deposits.

(4) On another part of the property

and very near to the Promenade Railway
a remarkable vein of simonite has been
discovered recently which promises to be
of great value though not as yet
adequately opened up.

The depots nos 1, 2, 3 may
have their produce conveyed to the
Promenade Railway at a point favour-
able for the erection of works of a railway
or tramway of about ten miles in
length, and there are now good
common roads along which the goods
may be conveyed ^{or collected at the depots, the goods may} ~~at the depots~~,
especially in the winter season.

Retriever Collieries export the
best stone furnishing an admirable quality
of lime for melting purposes at the
distance of a few miles from the
proposed works and connected therewith
by railways. Lime stone and building

