

SUPPLEMENTARY REPORT FROM MR. PETHERICK.

I repeat my suggestion that an instrumental survey be promptly made of the Sheperd Copper Lands, Canada East. Fully satisfied as I am of the excellent prospects of the mining there, and that very remunerative returns of ore can be speedily effected by the judicious outlay of a very moderate capital for placing the operations upon a suitable and economical system; still, such a survey is desirable to be speedily made, to enable the parties interested to estimate the great value of the large production of ore which I confidently anticipate *from the establishment of SUCH SYSTEM.*

The length over which the veins *yet* discovered and opened extend through the property, I assumed, in the absence of actual measurement, to be about 2,500 feet. The aggregate length of the three veins opened (we know there are other veins) would therefore be 7,500 feet, or 1083 fathoms, which, taking the average width of the respective veins to be six feet, gives 1,083 *cubic fathoms* for every six feet height of vein! This will show you the great importance of having the ground from the creek upward, in the direction of the veins, properly levelled, in order to arrive at a satisfactory estimate of the extent of mining ground on those three, as well as other veins, *workable above water level*, and therefore free from any expense for pumping.

I am, Gentlemen,

Very respectfully yours,

THOS. PETHERICK,
Mining Engineer