

It will be observed that Professor Chapman's results, though richer, correspond pretty closely with those of Mr. Macfarlane, and indeed a nearer agreement could scarcely be looked for. Both Dr. Hayes and Professor Chapman are of opinion that no matter how intimately the particles of the powdered ore may be mixed together, it is not possible, in the case of such rich ores, to get two assay-portions of exactly similar composition. With regard to No. 1 sample, which consisted of hand specimens not ground or powdered down, it was hardly anticipated that the various assays of this No. would correspond very closely, and thus the richer product obtained by Dr. Hayes is accounted for. The following table gives the results found by the several assayists, the ton being taken at 2,240 lbs. and the value of silver at \$1.24 per ounce Troy. This value is based upon the price now quoted in England for bar silver, namely 5s. 0 $\frac{3}{4}$ d. sterling per ounce:—

PERCENTAGES.					
	No. 1.	No. 2.	No. 3.	No. 4.	Aver.
Professor Chapman,	14.96	7.88	5.27	1.71	5.523
Dr. Hayes,	41.17	11.26	5.82	1.18	8.471
Mr. Macfarlane,	13.14	7.3	4.94	1.82	5.168

OUNCES PER TON.					
	No. 1.	No. 2.	No. 3.	No. 4.	Aver.
Professor Chapman,	4886	2574	1721	558	1804
Dr. Hayes,	15064	3678	1901	385	2767
Mr. Macfarlane,	4292	2384	1613	594	1690

SILVER VALUE PER TON.					
	No. 1.	No. 2.	No. 3.	No. 4.	Aver.
Professor Chapman,	\$5058	\$3191	\$2134	\$691	\$2236
Dr. Hayes,	18679	4560	2357	477	3431
Mr. Macfarlane,	5332	2956	2000	736	2095

If the average of the results of the three assayists as given above is taken, it amounts to 6.387 per cent. = 2087 ounces or \$2587.88 per ton. The value of the silver contained in the 1336 lbs. of ore now in the Company's possession here, will at this rate amount to \$1543.48, being the product of one blast of some surface pieces taken from under water.

This ore was taken from a vein about 7 feet wide which crosses a small island distant about one mile from the main shore of "Woods" location. Part of the out-crop of the vein lies under the water of the lake, but it is proposed to sink a shaft on the island, the rock of which seems very compact, and to crosscut about forty feet to the vein. It is also contemplated to build wharves, which will at once protect the shaft and be convenient for the shipment of ore from the Island.