

and thence to Lake Temiskaming. The quantities of water which had to be supplied from some other source to satisfy the various interests who were using Cobalt Lake, were as follows:

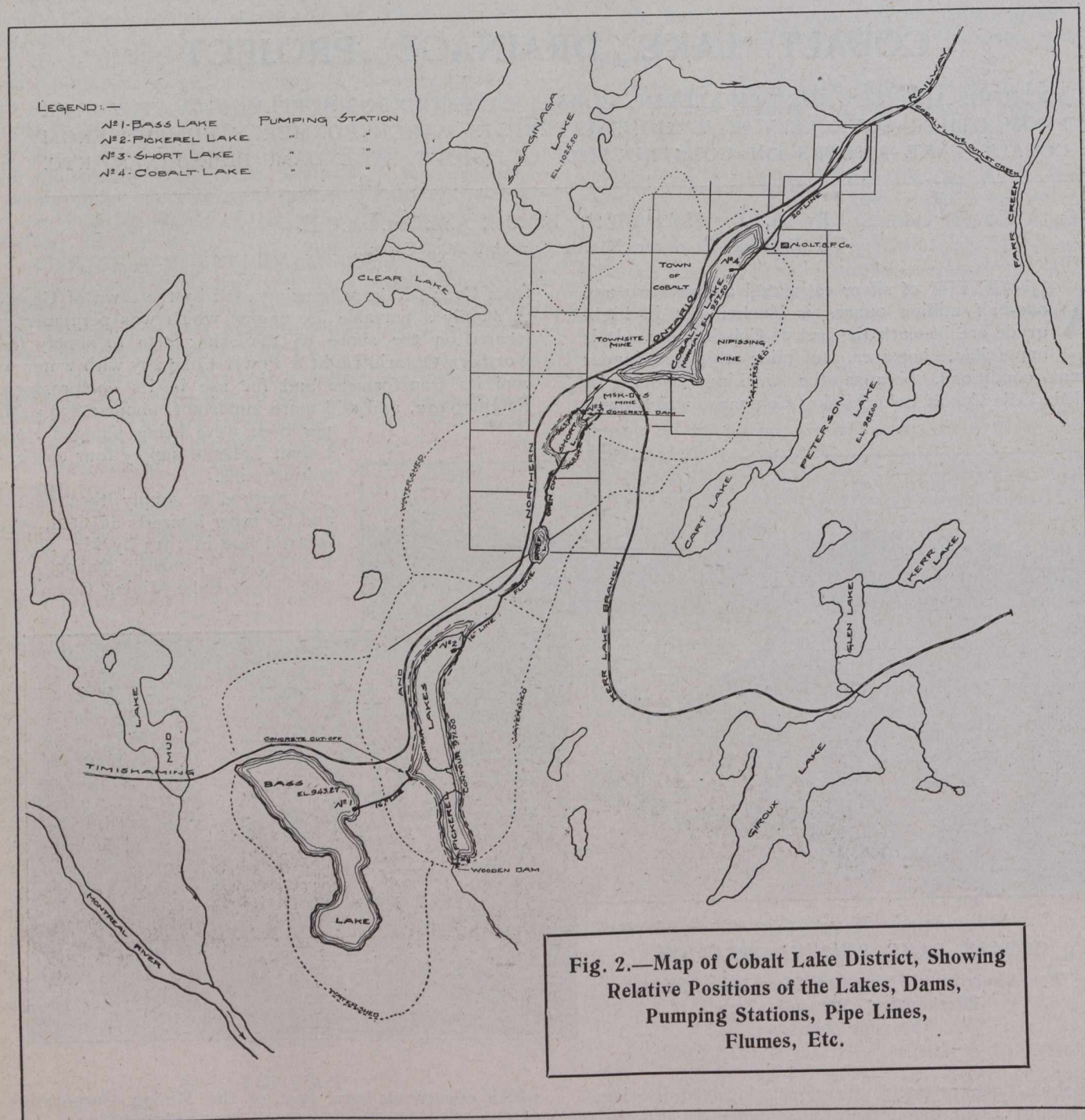
Cobalt Reduction Co.—for concentrating purposes—
1,400 gals. per min.

Nipissing Reduction Co.—for concentrating purposes
—450 gals. per min.

Town of Cobalt—supply for fire fighting purposes.

The supplies mentioned above are the maximum requirements in each case. It was therefore necessary to supply about 3,500 gals. per min. from other sources.

Although all the above supplies were being obtained from Cobalt Lake, the watershed that is tributary to that lake is insufficient to supply this quantity. This paradox is explained by the fact that the mills which took their



Cobalt Lake Mining Co.—for concentrating purposes
—600 gals. per min.

McKinley-Darragh-Savage Mining Co.—for concentrating purposes—400 gals. per min.

Princess Shaft, La Rose Mining Co.—70 gals. per. min.

Northern Ontario Light & Power Co.—supply for two pumps of 375 gals. per min. each.

supply from the lake, also discharged back into the lake, so that the net amount used was small, the same water being used over and over again.

South of Cobalt Lake, along the T. & N. O. Railway, lies the watershed of lakes North Pickerel and South Pickerel, with an area of 432 acres, and further south of this is Bass Lake, with a watershed of 528 acres. Mr. Gordon's scheme was to conserve all the run-off from