

SILVER LAKE

Is especially characterized by the strength and persistency of its veins. On the Otisse, although the forty acres have been but partially prospected, over twenty veins have already been uncovered, and many are traceable for considerable distances, with ample evidence that the fissures will persist to depth.

The accompanying is a statement of Frank G. Loring, and he reasonably concludes that *the Otisse Mine will develop into an extensive and lasting producer.*

REPORT OF FRANK C. LORING, ESQ., E.M.

Otisse Mine, Silver Lake, Montreal River, Ontario.

The Otisse Mine, in which I am interested with others, and of which I am General Manager, is situated in the Temagami Forest Reserve, six miles west of Elk Lake City, on the Montreal River, near Silver Lake.

Property consists of a Crown Mining Lease of 40 77-100 acres, renewable in perpetuity. The rent is nominal and no royalty is imposed.

The present means of transportation are: In summer, by steamer from Latchford, on T. & N. O. Railway, to Elk Lake and Smythe, from which last mentioned place the mine is six miles distant. In winter, by sleigh from Charlton, on the T. & N. O. Railway, to the mine thirty miles.

GEOLOGY AND VEINS.

Rock consists of diabase and gabbro. Surface, a series of benches on the edge of which rock outcrops. Where exposed it is shown to be fissured by a number of parallel seams and veins of general easterly and westerly trend, and nearly vertical in dip. Between twenty and thirty of these have been discovered, of more or less strength. Six are well defined veins which can be traced at various points from 500 to 2,000 feet, and are persistent, nearly straight in course, give evidence of lasting qualities longitudinally and to depth, and are from a few inches to two feet in width of movement.

Vein filling consists of the country rock of the region altered in structure and with streaks of calcite, smaltite and native silver, and at times the gangue contains leaves of native silver and argentite. There is as much reason for believing that ore exists at any depth as that it should exist at the surface.