

found by assaying, and is usually accompanied by a certain amount of gold, in which respect there is a difference from ores of the Cobalt district.

The diabase of the lake shore in the vicinity of Quinn's Point, on lots 35 to 41 of range II., contains numerous veins. On lot 35 on the slope overlooking Lavalle's bay, a shaft twenty feet deep has been sunk on a calcite vein two inches wide traceable for several chains, and showing very abundant cobalt bloom. On the west side of the same hill there are two shafts, one of them fifty feet deep, on an aplite dyke two inches wide showing cobalt and nickel blooms, pyrite and smaltite; the other on a calcite vein also showing pyrite and smaltite, had reached a depth of forty feet when visited. On lot 36 an aplite dyke averaging nearly eighteen inches wide is exposed on the lake shore for about a chain in length. It shows segregations of calcite and carries disseminated pyrite and chalcopyrite. On lot 37 a shaft seventy feet deep has been opened on a calcite vein five inches wide in places and showing small amounts of pyrite, chalcopyrite and smaltite. On lot 41, an adit has been driven for twenty feet on an aplite dyke five inches wide, and various other pits sunk on other smaller veins and dykes.

Most of this work mentioned above has been done by "La Cie Miniere de la Vallée du St. Maurice."

On the lake shore at the end of Fabre wharf, and cutting the diabase, there is a calcite vein ten inches wide in places, but not showing any metallic minerals. Nearby, small veins of quartz and calcite carry small amounts of pyrite and traces of a cobalt mineral.

On the "Mill" claim, lot 44 of range IV., there are very numerous veins cutting the diabase, and a few cutting a Keewatin greenstone. These have a gangue chiefly of calcite, and carry a considerable amount of smaltite. A shaft twenty-seven feet deep has been sunk on a two inch calcite vein. The area of diabase exposed is very small, but on account of the exceedingly abundant small veins, all displaying cobalt bloom, this property has locally been considered very promising.

Lot 3 of range V. N. has been prospected by the "Terra Nova Mines, Ltd." with a well-equipped steam and compressed air plant. The diabase is in contact with the Keewatin, and cobalt bearing veins are found in both rocks. The main shaft in the Keewatin is 110 feet deep with about 100 feet of drifting and cross-cutting at the 100 feet level. The main vein is a shattered zone four or five inches wide, but containing a clean vein in places three inches thick. The filling is calcite, smaltite, hematite, chalcopyrite and fragments of aplite. At the surface, hematite alone was present. Another vein showing no metallic minerals is remarkable in being chiefly composed of the mineral axinite.

In the diabase a shaft has been sunk about eighty feet on two