

been taken from this mine to roast previous to October 1st 1890. At present about 180 tons are crushed daily.

The grade of the ore is not quite as high as at Copper Cliff, and averages about 7 per cent. Some roasting has been done here, but in future all the ores will be taken to the main roast yards. A short line about one half mile, connects with the main line and facilities for handling ores are the same as at Copper Cliff.

#### THE VICINITY OF THE EVANS MINE.

A granite range between the hill now worked at Kelly Lake seems to bound the deposits in a south-westerly direction. The company owns the lots which are shaded by hatching in addition to those colored red on the map. Surface indications are found to the north connecting with the Copper Cliff range, and the hill halfway between has promising deposits; thence across the valley to Copper Cliff are no surface indications nor have any borings been made, but it is thought that the bed of ore connecting the two may be found at a moderate depth.

The Stobie Mine is situated about three and one-half miles north of Sudbury, near a branch of the Canadian Pacific Railway built to serve this and the Blezard mine, and connected therewith by a one fourth of mile of track owned by the Canadian Copper Co. It was opened during the summer of 1887 by running two tunnels horizontally 100 feet into the hill-side about 150 feet apart, both of which developed excellent ore. Since then mining has been carried on by simply blasting off the face of the hill to about 50 ft. depth and 300 ft. across the face. No limit to the deposit has yet been reached, 15,790 tons of ore having been carried from this mine to the roast yard up to October 1st, 1890, and the daily average at present is 110 tons.

The mining plant is about the same as at the Evans mine, one Blake No. 5 crusher, drilling and hoisting machinery.

The blasted rock is broken up in the pit, loaded by hand into buckets which are dumped into trucks, hoisted up an incline to the crusher, and thence passing to the bins.

The percentage of nickel and copper at this mine is smaller than either of the others, hardly averaging above 5 per cent., but several pockets very rich in nickel have been worked.

The ore is remarkable for its fluxing qualities and forms a valuable mixture to smelt the less fusible ore of the other