

the south end of Pickerel lake. Excavations are being made for the pipe lines between Pickerel and Bass lake and also between the various mills which will be affected.

The big pumps are on the ground and can be installed at any time. In another five weeks further rock excavation will be made at the outlet and the level of the lake lowered 6 ft. and a half.

**Timiskaming Mining Co.** shipped two cars of ore in the week ending July 4th, and one in the week following. Nearly all the drills are now on development work.

**Buffalo.**—In the month of May the Buffalo mill run was as follows: Mill ran 634 hours; ore milled, 6,307 tons; average assay per ton before milling, 18.66 oz.; oz. silver recovered, \$93,326; silver paid for during the month, 173,747 oz.

**Trethewey.**—To the regret of the camp Mr. Horace Young is severing his connection with the Trethewey

**Trethewey Silver Cobalt Mining Co.** has declared a 5 per cent. dividend, payable July 15. This, the first mine to be actively worked in the Cobalt camp, has now returned to shareholders \$1,061,998, or 108 per cent.

**Gould.**—A shipment of seven tons of high grade ore was made this month from the Gould Consolidated lease on Cart Lake. The ore was taken from the extension of the Seneca-Superior vein. The winze has now been sunk 135 ft. below the 200 ft. level. Three big drills and one hammer drill are at work on the lease.

#### LONGWALL MINING IN ILLINOIS.

Nearly all of the coal produced in the United States is mined by the room-and-pillar system or some modification of it. The longwall method of mining, so well adapted to many thin seams, is neither understood nor appreciated in the United States. The only field where longwall mining produces any considerable tonnage is



On a Nipissing Canoe Route, Northern Ontario

and the Cobalt camp at the same time on August 1st. Mr. Young came to the Trethewey two years ago as manager from the Hudson Bay mine. He has paid dividends and put as much ore in sight as he has taken out. Mr. Young leaves the Trethewey to go as consulting engineer with the Alquinian Development Co., Ltd., and general manager to the subsidiary companies of this holding syndicate. So far these consist of two properties—the Renfrew Molybdenum mines in eastern Ontario and the Julian Alaska Gold Mines in Alaska. The Alquinian is a Canadian company financed in Belgium.

**Gowganda.**—One of the most promising discoveries ever made on the Miller-Lake O'Brien mine has recently resulted in the opening up of an entirely new ore body at the 250 ft. level. Drifting on the cross vein, a vein which will average 3 in. of high grade ore, has been cut. It is running parallel to the main vein, but 600 ft. from it. It is in the diabase, whereas on the surface, where it was not of any particular importance, it was in the Keewatin.

in northern Illinois in Will, Woodford, Putnam, Marshall, La Salle, Grundy, and Bureau Counties. Bulletin 5, Coal Mining Practice in District 1 (longwall), by S. O. Andros issued by the Illinois Coal Mining Investigations describes in detail this method of mining. Longwall mines in this district produce over five million tons of coal annually or about 9 per cent. of the production of Illinois. The production of this tonnage is attended by 24.5 per cent. of the non-fatal accidents in coal mines in the state. The per capita production per employee is only 2.1 tons as compared with 4.5 tons for the state as a whole.

The longwall method of mining makes an almost complete extraction of the coal in the bed and produces about 15 per cent. more lump coal over 1 1/4 in. than is produced in Illinois room-and-pillar mines.

The bulletin is illustrated by 25 sketches and flash-light photographs which show every phase of this method of mining coal. Copies may be obtained upon request from the Illinois Coal Mining Investigations, Urbana, Illinois.