

# The Northern Miner

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### EASTERN METALS PLANS SERIES OF DEEP HOLES

For the purpose of drilling a series of holes to test the North ore zone at depth, a large diamond drill was put to work this week at the Eastern Metals Corporation property in the Eastern Townships section of Quebec.

Two standard machines are presently drilling for extensions of the North and South Zones and filling in gaps where holes were lost due to caving.

Another machine is being made ready to start drilling on anomalies shown by a geophysical survey in the immediate area. Diamond drilling to date has been confined to the vicinity of the original surface showing near the center of the large property, measuring about three miles in length and three miles wide but the geophysical survey completed this winter showed several strong anomalies which will be drilled as soon as time permits.

### OBASKA PLEASED BY DEEP HOLES

Two Sections Cut in First Drilling Below 300-Ft. Level —Testing West Rake Theory

Pleasing results are being obtained by Obaska Lake Mines in initial holes of an extensive program of underground drilling below the 300-ft. level at the company's Louvicourt Township, Quebec property. The Northern Miner learns from W. A. Hastie, president. The first two vertical holes put down from a crosscut driven north through the main zone near the west end of the second level workings have both shown good sections of ore grade material.

The most northerly hole, No. 33, in the crosscut has returned an intersection of 28.2 ft. averaging 0.22 oz. gold per ton, with values starting at depth of 62.5 ft. in the hole. The second hole, No. 34, from a drill station 50 ft. south of No. 33, has returned an intersection of 46.7 ft. averaging 0.24 oz. per ton starting at depth of 81 ft. below the level. The third hole of the series, another 50 ft. south in the crosscut, has just been started.

First results are regarded as especially significant in that they appear to be supporting the theory of a westerly rake to the orebody outlined in development on the 150-ft. level. Holes are planned to be drilled to depths of up to 500 ft. below the level. To enable the drilling program to be carried out, the west heading on the 300-ft. level has been extended as a line drive for 100 ft. beyond the known area of values. The crosscut referred to above has also been driven for 100 ft. north through the chloritite zone. These openings will provide the bases from which the drilling will be carried out. To permit an uninterrupted drill campaign, development work and drifting has been stopped for the present in order that adequate air will be available for the diamond drills.

Two machines are in operation, with the other drill putting out a long, horizontal hole from the end of the shaft crosscut on the 300-ft. level to explore the area south of present workings. The hole is now out 600 ft. on way to objective depth of 800 ft. to 1,000 ft. and has cut a succession of rhyolite flows and several shear zones. At depth of 69 ft. in the hole a narrow quartz vein carrying visible gold has been encountered and further drilling is planned on completion of the present hole.

### PURDY MICA STARTS MILL ON GUIANA GOLD SHOW

Purdy Mica Mines has put into operation a small pilot mill on the gold property in Dutch Guiana which was optioned a year ago. Expenditures to get the plant into operation have amounted to about \$50,000. The value and extent of the deposit have not yet been determined but answers to these points are expected to be proved by operation of the pilot mill. The ore is mined by open cut methods.

### GRAHAM BOUSQUET

Road construction to the B.C. zinc property of Graham Bousquet Gold Mines at Lynn Creek is now under way, with expectations that this work will be sufficiently advanced to get a diamond drill in by the end of this month, officials advise.

At a recent board meeting, T. J. Day was named president and H. E. Martin, vice-president. Other directors are Forrest W. Graham, F. V. Fuller and Miss Elaine Edwards, the latter being also secretary-treasurer.

### LEXINDIN PLANS WORK

Lexindin Gold Mines will renew investigation of its Lucky Coon group, 40 miles northwest of Kamloops, B.C., some time in the first half of July, the annual meeting learned. The high grade silver-lead-zinc Elsie shoot will be examined for mining possibilities. Further efforts will possibly be made to locate the source of high grade float found at one point on the property last year. Limited bulldozing at the time failed to determine its origin. Dr. J. H. C. McClelland was added to the board, with the following directors re-elected: K. J. Springer, W. W. McBrien, F. V. C. Hewett and W. J. McDonough.

### UNITED EXTENDS ORE

The latest hole at United Lead and Zinc Mines is reported to have cut a five-foot section of high grade zinc at a depth of 326 ft. Assays were not available at presstime. This hole, No. 96, extends the length of the extension of the Anacon C zone onto the United Lead property for an additional 200 ft., making a total length of 700 ft. still open to the north.

### REGAIN GROUND HIGHLAND-BELL

Net Profit Up Despite Higher Write-offs, Cost—Mill Operation Improves Earnings

Highland-Bell Ltd., located east of Beaverdel, B.C., enjoyed a much better year in 1951, although it wasn't up to 1949. Net profit of \$212,021 is equivalent to 13.5¢ per share on the 1,565,856 issued shares. This compares with 11.1¢ in 1950 and 15.1¢ in 1949.

Maximum depreciation of 30% amounting to \$94,101, was written off against \$52,173 in 1950. Working capital increased by \$116,426 to \$342,733. Current assets at December 31st, 1951, were \$496,851 and current liabilities were \$154,118.

The improvement in earnings is mostly due to the operation of the mill, President K. J. Springer states in the annual report. The average grade of the ore shipped to the mill in 1951 was 53.86 ozs. silver per ton, which was less than half the average grade of ore shipped direct to the smelter in 1950, and less than a third of the average grade of ores usually shipped to the smelter in former years. Mr. Springer points out that the mill is making good profits out of ore too low grade to be shipped profitably direct to a smelter.

It is not possible to estimate ore reserves, but ore deposits comparable in size to the main "Lass" lode above the 7th level have not been developed below that horizon. High grade has been developed on the 8th, 9th and 10th levels, however, and the company hopes to enlarge the ore picture below the 7th. A new compressor is being installed to facilitate development work.

The major portion of production during the year was mined from the "Lass" lode, reports Mine Manager O. S. Perry. (Mr. Perry was advanced from assistant manager to fill the post vacated by P. L. Clark). Much work was concentrated in the lower central section of the large, fairly flat open slope, removing remnants of ore left in footwall and hanging wall. Little remains now except the high grade pillars.

### Known High Grade Areas

Development of the western section of the "Lass" has opened up good widths of high grade ore. Drilling from the top section of the slope has indicated a continuation of high grade lenses up the dip. Potential ground to the northeast is being explored. Current drilling shows a possible lengthening of the occurrence in the northern extremity of eight level workings. It is anticipated a fair tonnage can be located and mined from this area, but lengths and widths are not expected to be comparable to those above seven level.

In the Idaho section of the mine, a continuous high grade lens was mined last year from 10 level up to nine. A drill program has been started to explore downward continuation. A raise has been put up in workings on the Bell claim to reach drill intersections which showed high grade over narrow widths above the three level.

One hundred per cent of ore mined in 1951 was milled and shipped as concentrates. Gross revenue from shipments totalled \$758,572, made up of \$635,640 silver, \$52,533 lead, \$57,260 zinc, \$7,582 gold and \$5,557 cadmium.

Several additions were made to the mill to improve efficiency and working conditions. During the summer, a new tailings pond and trestle were built with adequate storage space for several years. A mechanical conveyor and portable car loader were being added at year end to do away with costly concentrate loading by hand.

At the mine, much work was done re-arranging air lines and installing receivers. A new six-inch line was laid from power house to portal. Steadily rising costs due to wage and cost of materials increases can be partially offset by increasing the air supply, Mr. Perry remarks. The result will be greatly increased efficiency underground.

Production is being increased by adding lower grade ore, and stope development is not being confined to searching out high grade lenses. Life of the mine is accordingly materially lengthened.

### EAST RIM PROGRESS

The shaft at East Rim Nickel Mines has been advanced to 71.5 ft. below the 550-ft. level. J. C. Dumbrille, consulting engineer, states in a report on progress. There remains 60 ft. of shaft sinking and a spill pocket station to cut in the shaft.

Three surface drill holes have cut what appears to be one lens at about 150 ft. below surface and lying just north of No. 2 shaft. The length indicated by this drilling is 150 ft. and the average width is 35.7 ft. grading 1.47% nickel and 0.37% copper.

Seven more holes indicated an ore zone which commences 240 ft. northwest of No. 1 shaft and which has an indicated length of 250 ft. with an average width of 20.1 ft. grading 1.30% nickel and 0.42% copper. The drilling completed has not proven important ore values in the block of ground from No. 1 shaft northward for 500 ft. between surface and the 250 level.

Underground drilling completed on the 250 level has given excellent results, establishing an orebody at the 250-ft. horizon south of the previous known ore reserves. It has also established that the indicated block of ground above the 250 level and under the excellent surface showings does contain a good tonnage of ore. Further drilling will be required to determine exact tonnage and grade of this ore.

### GRANDINES DRILL SHOWS COPPER

Intriguing Amount of Molybdenum Also Evident in Several Holes

Another good hole No. 27, has been pulled by Grandines Mines in drilling on the company's property in the Chibougamau area. A series of consecutive assays have been received showing copper values ranging from 1.09% to 5.72% and gold values from 0.01 oz. to 0.05 oz. However, the corresponding drill log is not yet available and the sample widths and their position in the hole are not known.

Hole No. 27 is the fourth of the current program to be drilled on the No. 1 zone. It is about 100 ft. south of No. 26 which returned a core length of 21 ft. averaging 2.4% copper and 0.07 oz. gold. An additional 100 ft. in this hole averaged 0.7% copper and 0.02 oz. gold. Hole 25 is 50 ft. north of No. 26 and it cut 30 ft. averaging 4.6% copper and 0.05 oz. gold, or over a core length of 103 ft. the average was

at the north end of the zone, is about 100 ft. north of No. 25. It had 13.6 ft. averaging 2.65% copper and 0.02 oz. gold and 8.5 ft. which ran 4.35% copper and 0.05 oz. gold.

The present drilling is being done with vertical holes in order to define a suspected pattern of a series of lenses en echelon. However, the intersections obtained are considerably greater than the actual or true. For instance, on the basis of angle holes that were previously drilled, it is estimated that the 103 ft. intersection in hole 25 probably represents a true width of around 40 ft. All the holes show a wide section of relatively low copper values with a higher grade streak on one side.

A considerable amount of molybdenum has been noted in the core and one spot assay from hole 26 returned 2.7% molybdenum sulphide across three feet. A bulk sample of the core is planned in order to determine the overall average which it is thought might run somewhere from one-quarter to one-half over the width of the intersection.

At present a hole is being drilled to test an anomaly outlined under the lake by the magnetometer survey.

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IN HIS MARKET LETTER SERVICE ABOUT Pacific Pete? General Pete?

EXTRACT FROM MARKET LETTER No. 567, MARCH 27, 1952.  
"I think PACIFIC PETE will get the O.K. on its West Coast Transmission Gas Line next month and I look for an advance in the stock (12) to between \$15 and \$20 a share." Price of PACIFIC PETE shares one week later 15 1/4!

EXTRACT FROM MARKET LETTER No. 565, DECEMBER 12, 1951.  
"Now I am going to throw 'my hat right into the ring' on this one—GENERAL PETROLEUMS (either Ordinary or Class "A" stock, whichever is the cheapest) at anything under \$8. Current market about \$7.50."

EXTRACT FROM MARKET LETTER No. 567, MARCH 27, 1952.  
GENERAL PETE is a wonderful buy around \$9.25 from a value standpoint."

EXTRACT FROM MARKET LETTER No. 568, APRIL 1, 1952.  
"Well, another nice bulseye—GENERAL PETROLEUMS at \$10.50. I brought this to your attention in letter No. 544 at \$5 and in Letter No. 553 said: 'It is worth over \$10 for my money!'"

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