GM 01436

PRELIMINARY REPORT

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Énergie et Ressources naturelles
Québec

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1951

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203

PRELIMINARY REPORT ON THE CLAIMS OF BARVIN MINES LIMITED; LOTS 35 TO 40 INCLUSIVE, RANGE 3, BARRAUTE TOWNSHIP, QUEBEC.

Property:

This group consists of 6 full lots of 100 acres each totalling 600 acres in all being lots 35 to 40, Range 3, Barraute Township, Quebec, recently registered in the name of Barvin Mines Limited and numbered A-169443 to A-169448 inclusive and in good standing until October 31st, 1951. They are held on Miner's Certificate No. 38002, 39337 and 38001. Barvin Mines Limited also holds a block of claims adjoining this on the north and these claims are lots 40 to 45 inclusive, Range 4, Barraute Township, comprising 600 acres.

Location, Accessibility and Power:

This group is located in Barraute Township of northwestern Quebec and is readily accessible to the highway, railway and hydro-electric power. The main highway Senneterre to Amos passes north along the east boundary of the group on lot 40/41. The main line of the Canadian National Railways traverses the area less than one mile south-west of the Barvin group. A new power line to supply power to the new Barvue Mine and mill is in close proximity to the Barvin group. Ample supply of fresh water is available on the north Barvin group as the La Flamme River traverses this group. The town of Barraute is located one mile south of the group.

Geology of the Group:

According to Map 999A, Fiedmont Sheet by the G.S.C., the group is mainly underlain by basaltic and andesitic lavas with minor rhyolite. This map shows small outcrops of these rocks occurring in the north part of lot 36 and the central part of lot 35, Range 3. A wide band of rhyolite breccia traverses the south-west corner of the group, one outcrop occurring on lot 35 about 1300 feet north of the south boundary. A northerly trending diabase dyke is believed to traverse the south-west corner of the group on lots 39 and 40. No outcrops occur in this section.

This diabase dyke extends north and south for a number of miles traversing the property of Mogador Mines Limited which adjoins the Barvin Mines Limited group on the south. A major structural feature of the area is the La Flamme River fault zone which occurs closely parallel to the dyke. The recent series of ore inversections obtained by Mogador Mines Limited occurs on lot 33, Range X, Fiedmont Township, about 1500 feet west of the diabase dyke. The writer is of the opinion that other parallel ore bodies will be found to the north in close proximity to the diabase dyke and possibly on the Barvin claims.

QUEBEC DEPARTMENT OF MINES
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No. GM-1436

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Developments in the Area:

A new zinc-silver discovery was made in October, 1950, on lot 29, Range 7, and this discovery was incorporated into a company named Barvue Mines Limited and since then 40 odd thousand feet of diamond drilling has been done indicating an ore zone averaging 106 feet in true width for a length of 2550 feet averaging 3.35 per cent zinc and 1.12 ounces in silver per ton or 25,000 tons of ore per vertical foot or a total of 25,000,000 tons if a depth of 1,000 feet is assumed.

A railway spur is being built to the property and a 4,000 ton mill is now being erected on the Barvue property.

Pershcourt Goldfields Limited has the north-westerly extension of this orebody and several million tons of zinc-silver ore have already been indicated by diamond drilling. Shaft sinking is now in progress.

Ten years ago diamond drilling done by Tech-Hughes Bartec Mining Company Limited several miles east of the present Barvue Mines Limited Porperty. Shaft sinking will be done here in the future it has been officially reported.

In the last few days spectacular success has attended the exploration efforts of Mogador Mines Limited which adjoins the property of Barvin Mines Limited on the south. The writer has followed this effort from its inception four years ago, and having logged the core from this last hole, is of the opinion that the series of parallel ore intersections carrying values in zinc, lead, copper, gold and silver will quickly lead to the development of one of Quebec's outstanding base metal mines.

Because of the success obtained on Mogador it is reported that drilling is planned immediately for a number of properties in the area in close proximity to the discovery.

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Previous Work on the Barvin Property:

No previous work has been done on lots 35 to 40, Range 3, but a magnetic survey followed by about 4600 feet of cross-sectional diamond drilling was done on the north Barvin group, i.e., lots 40 to 45, Range 4, Barraute Township, during the period January to April, 1951. In his report dated May 7th, 1951, the writer recommended that another 4,000 feet of diamond drilling be done on this group.

Summary and Conclusion:

The property of Barvin Mines Limited consists of two contiguous blocks of claims totalling 1,200 acres in all, in Ranges

3 and 4, Barraute Township, Abitibi County, Quebec, and these are in close proximity to highway, railway, power and fresh water. Few outcrops occur on the claims in Range 3, but the property is believed to be underlain mostly by andesitic and basaltic rocks with minor rhyolite. A wide band of rhyolite breccia crosses the south-west corner of the group. A northerly trending diabase dyke cuts the north-east corner of the south group. This south group adjoins the property of Mogador Mines Limited on the north where a series of parallel ore intersections carrying values in zinc, lead, copper, silver and gold have just been obtained at a location 1,500 feet west of the same northerly trending diabase dyke which tracerses the Barvin groups. The writer has followed the exploration of Mogador Mines since its inception four years ago and has seen the core from this important hole and is of the opinion that these results will quickly lead to the development of one of Quebec's best base metal mines. He is of the opinion that other parallel ore deposits will be found to the north along this diabase dyke and possibly on the Barvin claims.

During 1951 a magnetic survey followed by 4,600 feet of diamond drilling was done on the north Barvin group but no work has been done to date on the south Barvin group adjoining Mogador Mines Limited on the north.

A mill of 4,000 tons daily capacity is now being erected on the property of Barvue Mines Limited located several miles north-west of the Barvin property. A spur line from the main line of the C.N.R. is being built to this property on which has been found one of the largest zinc-silver orebodies in Canada. Shaft sinking is in progress on the property of Pershcourt Goldfields Limited adjoining Barvue on the north-west after large deposits of ore had been indicated by drilling. Several miles east of Barvue is the Bartec Mining Company property (Tech-Hughes control) where a deposit of medium grade gold ore has been indicated by past drilling. Shaft sinking will be done on this property it is reported. A new wave of exploration diamond drilling has started in the Barraute area as a result of the success just obtained by Mogador Mines Limited.

It is, therefore, concluded that exploration is justified on the Barvin claims and that important results may follow this work hereinafter recommended.

RECOMMENDATIONS:- It is recommended that a magnetic survey be made on the south group to be followed by at least 5,000 feet of diamond drilling using "A" core.

All of which is respecfully submitted,

(SIGNED) J.C. Honsberger, P.Eng.,
Mining Engineer & Geologist.

TORONTO, Ont.,
September 19, 1951.

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Office Phone 325
Residence Phone 782

J.C. Honsberger
Mining Engineer & Geologist

924 Abitibi Avenue
Val d'Or, P.Q.
P.O. Box 600

206

May 7th, 1951.

Mr. Norman Vincent, President,
Barvin Mines Limited,
Suite 207,
9 Adelaide St. East,
Toronto, Ont.

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Summary Report
Re:- Barvin Mines Limited
Period:- January 1st - April 30th, 1951.

Dear Mr. Vincent:-

On January 9th on your instructions arrangements were made with Koulomzine, Geoffroy & Co., geophysicists of Val d'Or, for a limited magnetic survey of the Barvin property. The object of the survey was to outline in detail the northerly trending diabase dyke which was believed to traverse the property for a length of over one mile. This survey was completed in the early part of February and did succeed in detailing the diabase dyke.

On January 10th, the writer spotted the core shack-office 18' x 20' on the extreme northeast corner of lot 42 and this was completed by the contractor, Paquin Construction Co. Ltd. of Val d'Or, On January 25th.

As you instructed, a contract for 5,000 feet of diamond drilling was arranged on January 26th with Inspiration Mining & Development Co. Ltd. and the first hole, B-1, was spotted on January 31st. This hole was spotted on the recommendations of Koulomzine, Geoffroy & Co. and was collared west of the diabase dyke on lot 42 at a point 23.5 ft. E. and 1,530 ft. N. of the No. 3 post, bearing S. 25°W. at 60½° dip and was completed at a depth of 580.0 feet on February 24th. A series of intermediate volcanic rocks intruded by rhyolite porphyry dykes were cut in this hole with very scant mineralization. 31 split core samples were taken for assay but the results were low. It would be noted that in the present drilling a total of 131 split core samples were taken (mostly 5 ft. sections) and assayed for gold, silver and zinc by the Bourlamaque Assay Office.

The drill was then moved to the north end of the property and spotted just east of the diabase dyke. A series of four overlapping drill holes were then drilled on a section starging with B-2 of S. 25° E. B-3, B-4 and B-5 which followed B-2 on the cross section were on a bearing of S. 15°W. On your instruction B-5 was stopped on April 30th at the depth of 670.5 feet.

The assay values obtained in drill holes B-2, B-3, B-4 and B-5 were uniformly low and no major shearing such as found by Barvue Mines Ltd. was interested by drilling. The rock succession consists andesites, dacites, some basalt, and tuff, cut by rhyolite porphyry and quartz porphyry. The footage of holes B-1 to B-5 inclusive totals 4,518 feet. Despite the lack of economic results in the present diamond drilling, the writer considers that another 4,000 to 5,000 feet of diamond drilling is warranted in view of the outstanding orebodies which have been indicated on the properties of Barvue Mines Limited and Pershcourt Goldfields Limited.

At Barvue Mines Limited in a length of 2,500 feet as indicated by diamond drill holes placed at 50-foot intervals, an average width of 106 feet, averaging 3.35 per cent zinc and 1.12 ounces of silver per ton was obtained. This works out to about 25,000 tons per vertical foot or 25,000,000 tons if a depth of 1,000 feet is assumed. Most of the drilling (of which over 25,000 feet has been done to date) cut the orebody at 300 feet with several holes at 700 feet vertical.

A plan, scale of 1 inch to 200 feet, and sections of all drill holes, scale of 1 inch to 40 feet, accompanies this report.

Yours very truly,

(SIGNED) J.C. Honsberger, B.Sc.,
Mining Engineer & Geologist.

JCH/AJM

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208

February 3rd, 1951.

Mr. Norman Vincent, President,
Barvin Mines Limited,
Suite 207, 9 Adelaide St. East,
Toronto, Ont.

Progress Report
Re:- Barvin Mines Limited
Period:- January 1st - 31st, 1951.

Dear Mr. Vincent:-

On January 10th the writer spotted the location of the core-shack office on the Barvin Mines property on the north-west corner of lot 42, Range IV, Barraute Twp., on the south side of the road, and this was completed on January 25th. The core-shack is 18' x 20' and will hold 20,000 feet of "A" sized diamond drill core. One feature of the core-shack is that it is located just across the road from a farm house thus giving protection against vandalism.

On January 9th, on your instructions, the writer made tentative arrangements with Koulomzine & Geoffroy, geophysicists, for a limited magnetic survey of the Barvin property. This survey is still in progress and the object of the survey is being accomplished in that the northerly trending diabase dyke which outcrops to the north and to the south of the Barvin property has definitely been traced in detail through the Barvin claims. On the suggestion of Mr. Koulomzine, and after informally discussing this with Mr. Koulomzine and Dr. W.N. Bigham, resident geologist of the Quebec Department of Mines for the Val d'Or area, it was decided to do more magnetic work. This work should be finished early in February.

As you instructed, a contract was arranged with the Inspiration Mining & Development Co. Ltd. on January 26th for 5,000 feet of diamond drilling using "A" rods. Both the core drilling and the overburden are on contract at a favourable rate.

Drill hole No. B-1 was spotted on January 31st in the south-central part of the property and is located several hundred feet west of the geophysically indicated diabase dyke bearing S. 25°W. at -60° dip. The hole is about 1,200 feet south of the LaFlamme River and is spotted to cut a contact indicated by the magnetic survey.

A full time core grabber has been engaged and is now residing on the property.

The Barraute area is now the most actively developed area in Canada as there are 15 diamond drills now at work and more are coming in. There are three drills at Barvue, five at Pershcourt, two at Frebert, one at Bar-Manitou, one at Matico, one at Malbar, one at Quebec Diversified and one at Barvin. The writer understands that approximately 6,000,000 tons of zinc-silver ore has now been indicated by drilling at the Barvue and production is scheduled for the year end at the rate of 4,000 tons per day.

Respectfully submitted,

JCH/AJM (COPY) J.C. Honsberger.

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209 20[illegible]

February 16th, 1951.

Mr. Norman Vincent, President,
Barvin Mines Limited,
Suite 207, 9 Adelaide St. East,
Toronto, Ontario.

Progress Report
Re:- Barvin Mines Limited
Period:- February 1 - 15, 1951.

Dear Mr. Vincent:-

The geophysical survey by Koulomzine, Geoffroy & Co. of Val d'Or was completed during the period and their report will be available in a few days. This survey and additional geological information made available by Dr. W.N. Ingham, resident geologist for the Quebec Department of Mines for the Val d'Or, area, has given us a very interesting picture and one that might readily give economic results from the coming drilling campaign.

Until the last three or four days the weather has been bitterly cold thus delaying drilling operations somewhat. Drill hole B-1 which was spotted east of the nort road and at a point 1,200 feet south of the LaFlamme River in the south central part of the Barvin property and bearing S. 25° W. at -60° dip, reached bed rock at 40 feet on the night of February 15th.

The Barraute area is now the most active mining area in all of Canada with 20 diamond drills now working and at least three more coming in shortly it is reported. Those now working are Quebec Diversified - one, Bouzan Gold Mines Ltd. - one, Barel-Duc Mines Ltd. - one, Frebert - two, Pershcourt - five, Barvue - three, Matico 0 three, Malbar - two, Mogador - one, and Barvin - one. One drill on each of the following properties will be started shortly it is reported: Bar-Manitou, Citra-Partic and West Manitou.

Diamond drilling on the Barvue Mines Limited property (Golden Manitou control) and Pershcourt Goldfields Ltd. lying a short distance nort west of Barvin Mines Ltd., has indicated a zinc-silver bearing ore zone with an indicated length of 3,600 feet and it is open both to the north-west and to the south-east towards Barvin. It is estimated that 3,000 feet of the zone carries an average of approximately 3 per cent zinc and 1.5 ounces of silver per ton across an average width on the two properties of 70 feet. Assuming a depth of only 600 feet (indicated in a Pershcourt hole which gave 3.7 per cent zinc and 2 pounces of silver per ton for 40 feet) 12,600,000 tons are indicated to date.

The ore on the Barvue and Pershcourt occurs in a band of acid volcanics and similar rocks are indicated crossing the Barvin Mines Limited property.

Yours very truly,

JCH/AJH (SIGNED) J.C. Honsberger.

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