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Miss Thompson

NOT TO BE REMOVED FROM
PROSPECTUS

THE OFFICE OF THE MINISTER OF
GEOLOGICAL SURVEY, DEPT. OF MINES

Mogul Mining Corporation Limited

Filed with The Ontario Securities Commission
Under Section 38 of The Ontario Securities Act

- (a) MOGUL MINING CORPORATION LIMITED, Head Office, Suite 405, 25 Adelaide Street West, Toronto 1, Ontario.
- (b) Incorporated as Mogul Gold Mines Limited under the laws of the Province of Ontario by Letters Patent dated May 29th, 1945, with a capital of \$3,000,000 divided into 3,000,000 shares of \$1.00 each, name changed to Mogul Mining Corporation Limited and capital increased to \$5,000,000 divided into 5,000,000 shares of \$1.00 each by Supplementary Letters Patent dated October 22nd, 1954.
- (c) The Officers are:

PRESIDENT..... HARRY WILLIAM KNIGHT,
Broker,
228 Balmoral Avenue,
Toronto, Ontario.

VICE-PRESIDENT..... SYDNEY ALBERT PERRY, F.C.I.S.,
Mining Executive,
1 Benvenuto Place,
Toronto, Ontario.

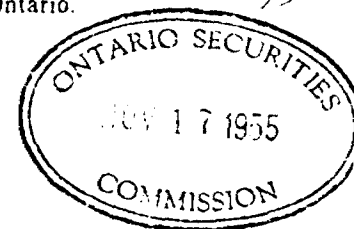
SECRETARY-TREASURER..... GEORGE DONALD PATTISON, C.A.,
Mining Executive,
106 Glencairn Avenue,
Toronto, Ontario.

The Directors are the three Officers above-named and

FRANK NELSON HANNAFORD,
Accountant,
6 Rockelm Road,
Toronto, Ontario.

The Promoter is:

HARRY WILLIAM KNIGHT,
Broker,
228 Balmoral Avenue,
Toronto, Ontario.



The Auditor is:

THORNE, MULHOLLAND, HOWSON & McPHERSON,
111 Richmond Street West,
Toronto 1, Ontario.

The Registry and Transfer Agency for the shares of the Company is:

GUARANTY TRUST COMPANY OF CANADA,
70 Richmond Street West,
Toronto, Ontario.

The authorized capital is 5,000,000 shares of the par value of \$1.00 each of which 2,987,325 shares are issued as fully paid and non-assessable.

The particulars in respect of any Debentures outstanding or proposed to be issued are as follows: Outstanding are \$1,369,000 principal amount of five year Sinking Fund Convertible Debentures dated January 1st, 1955, bearing interest at the rate of one per centum per annum payable half yearly on the first days of January and July in each year and maturing on January 1st, 1960. The holders of such Debentures have the right at any time up to and including the first day of January 1957 or if such Debenture shall have been sooner called for redemption then up to the close of business on the business day of the Trustee next but one preceding the date fixed for redemption of such Debenture to convert such Debenture into shares in the capital stock of the Company by applying the principal amount of such Debenture in the purchase of such shares at the price of \$1.50 per share, upon compliance with the requirements and payment of the fees prescribed in the Trust Deed made between the Company and Guaranty Trust Company of Canada securing such Debentures and a similar right of conversion up to and including December 31st, 1959 at the price of \$2.00 per share.

The Company proposes to issue Series "B" Debentures to the aggregate principal amount of \$4,000,000. The Series "B" Debentures will be dated as of October 1st, 1955, and will bear interest at the rate of three per centum per annum payable half yearly on the first days of April and October in each year, will mature on October 1st, 1960 and the holder of any Series "B" Debenture shall have the right at any time up to and including the 31st day of December, 1956, or if such Debenture shall have been sooner called for redemption then up to the close of business on the business day of the Trustee next but one preceding the date fixed for redemption of such Debenture to convert such Debenture into shares in the capital stock of the Company by applying the principal amount of such Debenture in the purchase of such shares at the rate of 275 shares for \$1,000.00 principal amount of such Debenture upon compliance with the requirements and payment of the fees prescribed in the Trust Deed made between the Company and Guaranty Trust Company of Canada securing such Series "B" Debentures and a similar right of conversion up to and including December 31st, 1958 at the rate of 250 shares for \$1,000.00 principal amount of such Debenture.

The said Debentures are and will be payable as to principal, interest and redemption premium (if any) in lawful money of Canada at the Toronto, Montreal, Winnipeg and Vancouver branches of the company's bankers at the holder's option.

Such Debentures rank and will rank pari passu as to security, are and will be prior obligations of the Company and are and will be secured by Trust Deeds made between the Company and Guaranty Trust Company of Canada, as Trustee, (herein called "the Trust Deeds") which Trust Deeds will constitute a first floating charge on all the undertaking, property and assets of the Company but such floating charge shall in no way prevent the Company from dealing with the subject matter of the charge in the ordinary course of business and otherwise permitted by the Trust Deeds.

The Trust Deeds contain a covenant by the Company to register the same in the Province of Ontario in such manner as may be required to protect the floating charge thereby created and no other registration is required.

The Company will have the right at any time and from time to time to purchase the Debentures at par plus interest accrued to date of purchase.

The Debentures are and will be redeemable on the terms and conditions set forth in the Trust Deeds at any time before maturity in whole or in part on thirty (30) days notice with accrued interest to the date fixed for redemption.

Under the Trust Deeds the Company has covenanted and agreed and covenants and agrees to establish a Sinking Fund for the retirement of the Debentures and that for such purpose it will pay to the Trustee within three months of December 31st, 1955 and within the same period in each succeeding year an amount equal to twenty-five per cent of its Consolidated Net Income. All Debentures purchased or redeemed may be credited toward Sinking Fund payments, and all purchased, redeemed or converted shall be cancelled.

The Trust Deeds contain further covenants, agreements, stipulations, provisions and conditions designed for the protection of the Debenture holders and usual to similar Trust Deeds.

(h) 630,000 shares of the Company are held in escrow by Guaranty Trust Company of Canada, subject to release, transfer, hypothecation, or other alienation only on the consent of the Ontario Securities Commission.

(i) The particulars of the shares sold for cash to date are as follows:

(i)	5 shares at \$1.00 each	\$ 5.00
	500,000 shares at 10¢ each	\$ 50,000.00
	300,000 shares at 25¢ each	\$ 75,000.00
	400,000 shares at 90¢ each	\$360,000.00
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	1,200,005 shares	\$485,005.00

(i) Total cash received for shares sold to date \$485,005.00
 (ii) Commission paid on the sale of such shares NIL

The particulars of securities other than shares, sold for cash to date are as follows:

(i) \$3,000,000.00 principal amount 1% Debentures for \$2,850,000.00 of which to date \$1,631,000 principal amount of such Debentures have been converted into 1,087,320 issued shares of the Company, and the Debentures cancelled.

\$4,000,000.00 principal amount Series "B" Debentures for \$3,900,000.00.

(ii) Total cash received therefor \$ 2,850,000.00

(iii) Commission paid on the sale NIL

The number of shares issued or to be issued or cash paid or to be paid on any promoter are as follows:

700,000 fully paid and non-assessable shares have been issued to Harry William Knight, 228 Balmoral Avenue, Toronto, Ontario, being 500,000 in compromise of a claim advanced by him against the Company in 1953 for a vendor consideration due him for 21 claims located in Quebec since abandoned, and 200,000 on the transfer to the Company in 1954 of 15 unpatented mining claims in the Port Arthur Mining Division bearing numbers T.B. 48279-93 inclusive.

Particulars relating to the properties of the Company are as follows:

(i) The Company holds 384 mining claims in the Province of New Brunswick bearing the following official designations:

Group No. 1: Staked under Licence
 County of Northumberland:
 Claims Nos. 24531-24560 inclusive. Nos. 5027-28-29 inclusive

Cash in the amount of \$1,185.75 was paid for the above claims to Edward Viney, Denis Agar and Frank Beehler, all of Bourlamaque, Quebec. Such vendors are also entitled to 300,000 fully paid shares of any company subsequently formed to operate and mine the said claims.

Groups No. 2 and 3: Staked under Licence
 County of Northumberland:
 Claims Nos. 11-20 inclusive, No. 5295
 8-10 inclusive, No. 5347
 10 No. 5348
 11-20 inclusive, No. 5712
 18 No. 5704
 1-6 inclusive, No. 6697
 1-2 No. 6698
 1-6 inclusive, No. 6699
 1-6 inclusive, No. 6700

The Company bought the said claims staked under licence 5295 (except for claims 13 and 14), 5347, 5704, 5712 (except claims 13 and 14) and 6698 from Ivan Christopher of Bathurst, New Brunswick, for \$2,500.00 cash and on or before November 1st, 1956, a 5% interest in a mining company to be formed, or at the option of Mogul Mining Corporation Limited a negotiated number of fully paid free shares of Mogul Mining Corporation Limited (said number of shares to be agreed upon by and between the Company and Christopher). The Company staked the above excepted claims as well as claims referred to in Group No. 4 hereinbelow set forth for an aggregate cost of \$601.94.

Group No. 3: Staked under Licence
 County of Gloucester: Nos. 2123-3697-2189
 Claims Nos. 16061-60 inclusive. Nos. 2366-2599-3799

The Company bought the said claims for cash in the amount of \$14,000.00 paid to Newton Smyth, Ray Smith, Mrs. Marion Smyth, Alton Smyth, Mrs. Ada Smyth and Harry Smyth, all of the Village of South Tetagouche, R.R. No. 1, in the County of Gloucester.

Group No. 4: Staked under Licence
 County of York:
 Claims Nos. 61731-60 inclusive. No. 6337

Group No. 6:
 County of Northumberland:
 Licence 6258 Claims 1-30 inclusive
 Licence 6753 Claims 1-10 inclusive

The Company bought the said claims from Ivan Christopher of Bathurst, New Brunswick, for \$4,000.00 cash and on or before November 1st, 1956, a 5% interest in a mining company to be formed, or, at the option of Mogul Mining Corporation Limited a negotiated number of fully paid free shares of Mogul Mining Corporation Limited (said number of shares to be agreed upon by and between the Company and Christopher).

Group No. 7:
 Peabody Lake Vicinity:
 Licence 6871 Claims 101-134 inclusive
 Licence 6696 Claims 11-20 inclusive

The Company staked the said claims at an aggregate cost of \$47.17

Group No. 8:
 Sevogle River Area:
 Licence 6871 Claims 1-45 inclusive
 Licence 6871 Claims 47-66 inclusive

The Company staked the said claims at an aggregate cost of \$875.42.

Group No. 9:

Kenny Lake Area:

Licence 6871 Claim 46
Licence 6871 Claims 67-100 inclusive
Licence 6871 Claims 135-149 inclusive
Licence 3156 Claims 11-20 inclusive
Licence 6697 Claims 11-20 inclusive

The Company staked the said claims at an aggregate cost of \$33.24.

The Company also holds 139 unpatented mining claims in the Province of Ontario bearing the following official designations:

Group No. 10:

Kowkash Mining Division:

Claims Nos. KK-9878 to KK-9886 inclusive
KK-9842 to KK-9850 inclusive

The Company purchased the said claims from Frederick Charles Knight, 18 Fernwood Gardens, Toronto, Ontario, for a consideration of \$5,000.00.

Group No. 11:

Port Arthur Mining Division:

Claims Nos. T.B. 48279-93 inclusive.

The said property was purchased by the Company from the promoter for a consideration of \$30,000 paid for by \$10,000 cash and by the issue of 200,000 fully paid shares of the capital stock of the Company.

Group No. 12:

Nairn Township:

Claims Nos. S.81078 to S.81081 inclusive
S.81207 to S.81210 inclusive
S.81362
S.81109
S.83161 to S.83166 inclusive

The said claims were staked for the Company at a cost of \$150.00.

Group No. 13:

Lorne Township:

Claims Nos. S.81363 to S.81367 inclusive
Water Claims Nos. S.81284 to 6 inclusive

The said claims were staked by the Company.

Group No. 14:

McDougall and Ferguson Townships:

Claims Nos. P.3951 to P.4020 inclusive

The said claims were staked for the Company at a cost of \$6,087.15.

Group No. 15:

Port Arthur Mining Division:

Claims Nos. T.B. 66803 to T.B. 66820 inclusive

The said claims were purchased by the Company from the Promoter for a cash consideration of \$41,500.00, and costs of \$91.30.

(iii) The Company also holds 26 mining claims in the Province of Quebec bearing the following official designations:

Claims Nos. Q.66625 to Q.66627 inclusive
Q.66630
Q.66631
Q.73338 to Q.73347 inclusive
Q.88861 to Q.88863 inclusive
Q.88638 to Q.88642 inclusive
Q.88915
Q.88916
Q.88961

The Company acquired the said claims from Bornite Copper Mines Limited, 25 Adelaide Street West, Toronto, and F. C. Knight, 25 Adelaide Street West, Toronto, for a consideration of \$93,740.22 and \$3,000.00 respectively.

(iv) The Company also holds a 50% net interest in a group of nine claims in the County of Katrine, in the Larder Lake Mining Division, in Ontario, bearing the following official designations. Claims Nos. L59712-20 inclusive.

The said interest was purchased from Emil Anderson, Box 365, Kirkland Lake, Ontario, for a total cash payment of \$1,000.00.

(v) The Company also holds an option from February 24, 1955, good until June 24, 1956, to acquire unpatented mining claims numbers S.81520-81529 inclusive in the Township of Nairn, in the Province of Ontario. The consideration for the acquisition of the option was \$1,000.00 cash. If exercised, the balance of the consideration is 50,000 shares of the capital stock of any company incorporated and organized by the Company to acquire and develop such claims in the event, in the opinion of the Company, the said claims prove to be of commercial value. The option therefore was granted to the Company by William Turpeinen and John Turpeinen of R.R. No. 1, Worthington, Ontario to whom the consideration was and will be paid.

(vi) The Company also holds an option from November 18, 1954, good until May 18, 1956, to acquire fourteen (14) unpatented mining claims in the Province of Ontario: claims numbers S.80806-S.80809 inclusive; S.79164 to S.79168 inclusive; and S.80943 to S.80947 inclusive, also covering the north half of Lot 9, Concession 1, all in the Township of Nairn. The consideration for the acquisition of the option was \$3,000.00 and, if

exercised, 300,000 fully paid shares of the capital stock of a mining company to be formed with a capitalization of \$3,000,000 divided into 3,000,000 shares of \$1.00 par value each to be issued to the optionors in the ratio of 50% to William Peterson, 25% to Ellis Kahkonen, both of Nain Centre, Ontario, and 25% to Onni Rossi of Garrison Mine, Ontario.

(vii) The Company also holds an option from April 7th, 1955, good until September 1st, 1956, to acquire the mining rights in fourteen (14) mining claims in Range 11, in the Township of Figuery, in the County of Abitibi, in the Province of Quebec, officially designated as A.204637 to A.204650 inclusive. The optionor is Walter Leamy of the Town of Noranda, in the Province of Quebec and the consideration therefor was \$15,000.00 and the undertaking of the Company to cause to be issued to Leamy as fully paid and non-assessable shares of the capital stock of any company incorporated and organized to acquire the said claims aggregating 10% of the authorized share capital thereof. The Company paid bank charges of \$68.75 in connection therewith. The Company also paid \$500.00 for the reversionary interest of one William A. Richardson of Toronto, Ontario, in nine mining claims in Manitoba which the Company now considers of no value.

(viii) No person or Company has received or is to receive from any Vendor a greater than 5% interest in the shares or other consideration received or to be received by any Vendor, except as shown in paragraph lettered (r) (ii).

Further particulars relating to all properties are as follows:

- (i) The properties in Ontario and Quebec are readily accessible by air travel and otherwise as described in the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus. The properties in New Brunswick are readily accessible by road, railroad and sea travel.
- (ii) There is no underground exploration or development nor any underground plant or equipment apart from the diamond drilling described in the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus.
- (iii) There has been some surface exploration and development but there is no surface plant or equipment. The surface exploration and development consists of the reconnaissance, geophysical and geochemical and electro-magnetic surveys and other exploration referred to in the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus.
- (iv) For the known history of the properties of the Company see the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus.
- (v) For a description of the work done and improvements made by the present management see the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus.

(n) By an agreement in writing dated September 28th, 1955, Dobleco Ltd., 25 Adelaide Street West, Toronto. (a Company in which Harry William Knight and George W. Gooderham each have more than a five per cent interest therein) on its own behalf has purchased \$4,000,000 principal amount of the series "B" Debentures at the aggregate price of \$3,900,000 plus accrued interest on the principal amount thereof payable to the Company forthwith after November 7th, 1955. Except for the shares covered by the conversion privileges attaching to the Debentures of the Company no other securities of the Company are covered by any Option or Underwriting Agreement. There are no sub-options outstanding or proposed.

(o) The management proposes to expend the proceeds from current sales of securities for the general corporate purposes of the Company and as recommended in the report of C. E. Bowker, P.Eng., dated September 28th, 1955, accompanying this Prospectus.

(p) The Company has been incorporated for more than one year.

(q) No indebtedness is to be created or assumed apart from that created in the ordinary course of business which is not shown in the balance sheet dated the 31st day of August, 1955, accompanying this Prospectus, apart from the Debentures referred to in paragraph (g).

(r) The following particulars apply to the Directors and Officers of the Company:

(i) Mr. Harry William Knight, the President, has been engaged during the past three (3) years in the principal business of a Stock Broker and is a director and vice-president of the brokerage firm of Draper Dobie and Company Limited.

Mr. Sydney Albert Perry, the Vice-President, has been engaged during the past three (3) years in the principal business of a Mining Executive in his own business.

Mr. George Donald Pattison, the Secretary-Treasurer, has been engaged during the past three (3) years in the principal business of a Mining Executive in association with Mr. Sydney Albert Perry.

Mr. Frank Nelson Hannaford, a Director, has been engaged during the past three (3) years in the principal business of Accountant for Mr. Sydney Albert Perry.

(ii) No Director or Officer of the Company has any interest directly or indirectly either personally or as a partner in a firm in any property acquired or to be acquired by the Company except Mr. Harry William Knight, the extent of whose interest is disclosed in paragraph (k) hereof.

(iii) The Company has not paid and does not propose to pay any remuneration to its Directors or Officers as such, except a reasonable amount to Messrs. Perry & Pattison for secretarial and

complete head office administration services estimated not to exceed \$5,000 during the current year.

No dividends have been paid by the Company.

The only person who is in a position or entitled to elect or cause to be elected a majority of the Directors of the Company is Mr. Harry William Knight.

The Company holds as an investment only a substantial interest in Chymac Mines Limited, Thorncrest Explorations Limited, and The Lithium Corporation of Canada, Limited. The shareholdings of the Company in the said companies slightly exceeds 50% of the issued shares of such companies but the Company does not participate in the management of such companies and such are not treated as subsidiaries. There is no arrangement for the sale of vendor shares. Vendor shares as released from escrow and shares previously sold for cash may be offered for sale through registered security dealers but the proceeds will not accrue to the treasury of the Company.

As and when the Series "B" Debentures of the Company are offered to the public, the offering will be through the medium of registered security dealers at par plus accrued interest.

DATED at the City of Toronto in the Province of Ontario, this 28th of September, 1955.

The foregoing constitutes full, true and plain disclosure of all material in respect of the offering of securities referred to above as required by Section 38 of The Securities Act (Ontario) and there is no further material information applicable other than in the financial statements or reports required:

PROMOTER:

L. W. KNIGHT JR.

DIRECTORS:

H. W. KNIGHT JR.

S. A. PERRY

G. D. PATTISON

F. N. HANNAFORD

To the best of our knowledge, information and belief the foregoing constitutes full, true and plain disclosure of all material facts in respect of offering of securities referred to above as required by Section 38 of securities Act (Ontario), and there is no further material information applicable other than in the financial statements or reports where required. In respect of matters which are not within our knowledge we have relied on the accuracy and adequacy of the foregoing.

UNDERWRITER:

DOBIECO LIMITED

per H. W. KNIGHT JR., President.

Report on the Property Holdings

of

MOGUL MINING CORPORATION LIMITED

Introduction

This report is directly concerned with the exploration on those prospects under the sole ownership of the Company and thus disregards those prospects, development programs and producing mines in which the company possesses an investment interest.

The exploration division of the company is active in New Brunswick, Quebec and Ontario. The claim holdings include prospective potential in gold, copper, nickel, lead, zinc, manganese and uranium. Active field programs are presently underway to evaluate the merit of these prospects.

NEW BRUNSWICK PROPERTIES

Group No. 1 consists of 30 claims staked under the following mining licenses;

License 5027	Claims 1-10 inclusive
License 5028	Claims 1-10 inclusive
License 5029	Claims 1-10 inclusive

This property contains approximately 1,200 acres in an "L" shaped outline. It adjoins the eastern boundary of the Little River group of the American Metal Company. This Amco property of proven potential is presently under development to production under the direction of the incorporated Canadian subsidiary, Heath Steele Mines Limited.

Group No. 2 and No. 5. This group has been merged with the former group No. 5 to form a rectangular block of 45 claims comprising approximately 1,800 acres. The claims were staked under the following licenses;

License 5295	Claims 11-20 inclusive
License 5347	Claims 8-10 inclusive
License 5348	Claim 10
License 5712	Claims 11-20 inclusive
License 5704	Claim 18
License 6697	Claims 1- 6 inclusive
License 6698	Claims 1 & 2
License 6699	Claims 1- 6 inclusive
License 6700	Claims 1- 5 inclusive

The group is located west of the Little River group of the American Metals Company and is approximately 8 miles due west of Group No. 1.

Group No. 3, comprises 60 claims staked under the following licenses;

License 2123	Claims 1-10 inclusive
License 3697	Claims 1-10 inclusive
License 2189	Claims 1-10 inclusive
License 2366	Claims 1-10 inclusive
License 2599	Claims 1-10 inclusive
License 3799	Claims 1-10 inclusive

Property is located near Tetagouche Falls, some 10 miles due west of Bathurst.

Group No. 4 consists of 30 claims staked under the following license;

License 6337	Claims 1-30 inclusive
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Property is located in the Harvey area, approximately 2 miles on line from uranium occurrences at York Mills.

Group No. 6 in the Middle River district is located 2 miles northwest of combined groups 2 and 5. This group consists of 40 claims staked under the following licenses;

License 6258	Claims 1-30 inclusive
License 6753	Claims 1-10 inclusive

Group No. 7 comprises 44 claims adjoining the major holdings of the Peabody Mining Company in the vicinity of Peabody Lake. These claims were staked under the following license:

License 6871	Claims 101-134 inclusive
License 6696	Claims 11-20 inclusive

Group No. 8 comprises 65 claims in the Sevogle River area. These claims adjoin directly to the east of the Clearwater group of the American Manganese Company and were staked under the following licenses;

License 6871	Claims 1-45 inclusive
License 6871	Claims 47-66 inclusive

Group No. 9 is located in the Kenny Lake area directly adjoining to the west, a large block of claims under exploration by Algoma Ore Properties. These claims, 70 in number, were staked under the following licenses;

License 6871	Claim 46
License 6871	Claims 67-100 inclusive
License 6871	Claims 135-140 inclusive
License 3156	Claims 11-20 inclusive
License 6697	Claims 11-20 inclusive

1 and General Accessibility

Group No. 3 is a prospective manganese property, located adjoining the Peabody Mining Corporation at Tetagouche. Group No. 4 is located near Harvey, forty miles southwest of Fredericton, the provincial area of intensive exploration and proven potential in base metals.

The Bathurst-Newcastle district is in northeastern New Brunswick. It is readily accessible by rail and sea. Both Bathurst and Newcastle are seaports of limited capacity and district shipping centres in the Maritime Division of Canadian National Railways.

The Little River and Middle River sections of the Bathurst-Newcastle district are accessible from Newcastle via the Chaplin Island road or Bathurst via the Anacon-Brunswick road. Private lumber and pulp company roads provide direct access to all the groups in this district except in severe weather conditions.

Group No. 3 is located on the Tetagouche Road, some nine miles due west of Bathurst.

Group No. 4 can be reached by car from Manners Sutton on Provincial Highway No. 3, 40 miles south and west of Fredericton.

General Geology

Regionally, the mining activity in the Bathurst-Newcastle district is centered along the limbs of a large S-shaped drag fold. This structure has been confirmed by geological and geophysical studies. The general trend is northerly interrupted by the distortion evident on the horizontal east-west segments of the S-shaped structure. These distortion areas are centred in the Tetagouche, Anacon-Brunswick and Little River sectors.

The rock sequence consists of Ordovician sedimentary and volcanic rocks, highly contorted and altered beyond recognition in most instances. The pyroclastic horizons predominate and in conjunction with porphyritic or porphyritized masses of doubtful origin have proven to be the principal host rocks for the known ore bodies.

Intrusive masses with the exception of the main granitic stock lying to the east of the belt are small and the principal though numerous evidences of these bodies are confined to the "porphyritic" dikes and irregular masses, small stocks and bosses of diorite, diorite porphyry, and gabbro and local sill-like lenses of peridotite and ultrabasic intrusives.

Exploration and Geology

In this Bathurst-Newcastle district the application of geological and geophysical aided by geochemical methods have successfully located the known ore zones or indications of potential ore. The following exploration policy has been followed by experience to define the favourable areas.

1. The initial step is a reconnaissance, geological and topographic survey defined on a grid system of picketed lines of access cut and surveyed at 200 foot intervals and aligned normal to the regional strike of the rock formations.

2. A group of merit as indicated in the initial survey, warrants geophysical surveying, preferably of a ground electromagnetic type to cover the area, with magnetic, geochemical or gravimetric tests to follow on the indicated anomalous areas of electromagnetic conductivity.

3. Favourable reaction to the above tests then necessitates diamond drilling to probe the anomalous areas.

Work Completed or In Progress Group No. 1 — Tomogonops River

This property has been mapped in a detail commensurate with the full exposure of bed-rock. The northeastern portion of the property appears to be underlain by a quartz porphyry mass which is believed to extend southward into the central part of the property in the east boundary. Small masses of similar composition have been noted on the western side of the property. The central and southern part of the property appears to be underlain by the Ordovician volcanic sequence. The exposures are predominantly tuffaceous and siliceous in character with lesser proportions of sub-siliceous lava flows and sill-like bodies.

The regional trend appears to be slightly north of east and the dip is generally south.

Scarcity of actual exposures and complete alteration of the rocks, together with little or no glacial denudation, hinder the prospecting and geological work.

Geophysical and Geochemical Surveys

The locational merit of the ground in close proximity to the "B" ore of Heath Steele Mines Limited warranted complete geochemical and electromagnetic surveys of this group.

Soil Sampling

Abnormal base metal content in the soil was located to the north of Tomogonops River in the southern part of the property. This zone extends along strike across the entire width of the property.

Several additional localized areas of anomalous content have also been located but appear to be drainage basin accumulations.

Geophysical Surveys

A distinct zone of conductivity some 1,000 feet in length and extending from line 28W to line 18W was located in the vicinity of the soil sampling zone. Two additional anomalies of lesser intensity were also located.

The initial magnetometer survey covered only the combined anomalies. A magnetic anomaly of moderate attraction as common to base metal ore bodies was indicated and hence diamond drilling was warranted.

Currently the geophysical studies are being extended. The magnetometer survey is being extended to cover the entire property.

Diamond Drilling

Eight diamond drill holes have been completed on the property. This footage of 4,534 feet has been expended into two phases (1) a line

of four holes in a cross-section covering 2,000 feet in the horizontal plane has been completed on the northwestern portion of the property and (2) four holes crossed the anomalous areas in the south-central part of the property.

In the first instance, this northern section of the property was found to be underlain by a quartz-eye porphyritic rock type of suspected intrusive origin. Narrow greenstone bands occur as inliers within this mass and narrow massive to disseminated pyrite mineralization was intersected in these sections.

Scattered pyrite in a fissile chloritic shear zone 70 feet in width, was encountered in the main anomalous area.

Drilling was suspended due to bad weather conditions and has not been resumed pending further surface and geophysical work now in progress.

Recent work in the adjoining properties has stimulated new interest in this group.

Groups 2 and 3

A ground electromagnetic survey has been completed on this property and a long lineal conductor has been located. The anomalies appear to follow the regional strike but are discontinuous and variable in strength.

A magnetic survey is currently in progress to further study the above anomaly. It would appear to be a structural feature crossing the entire property with local segments of sufficient strength to warrant testing for base metal possibilities.

Group No. 3

These claims are underlain by the Tetagouche Series. Rock exposures are scarce but in the river channel manganese red shales have been located in the property.

The claim group directly adjoins on line of strike to the northwest the property of Canadian Manganese Mining Corporation. The merit of the property hinges on the fortunes of this company which has developed large reserves of low grade manganese ore.

The claims are being maintained in good standing awaiting future favourable developments.

Group No. 4

This group is underlain by sediments and volcanic rocks of Carboniferous age. The uranium occurrences at York Mills, some two miles distant, have as yet proven to be of local significance. It is proposed to drop this claim group as work requirements for assessment demand.

Group No. 6

This group covers an aerial magnetic anomaly and adjoins the Middle River property of Texas Gulf and Sulphur Limited. The Canadian subsi-

has been actively developing its property for one and one-half years presently two drills are operating on the property. The company has published the results of this work.

On the Mogul group, the line cutting is presently completed and the magnetic has been completed and in the compilation stage.

In view of the intensive interest in this area, the work program for present includes further magnetic testing of the ground and drilling, granted.

Group No. 7

This group of 44 claims adjoins east and south of the large holdings of the Melchior Mining Corporation. The latter company has found wide indications of copper, lead and zinc mineralization and in a single section, mineralization of ore grade was intersected.

The line cutting preparatory to an electromagnetic survey has been started and the survey crew are now advancing the geophysical work.

Group No. 8

This group of 65 claims adjoins the holdings of the American Metals Company in the Severn River sector.

Presently the line cutting is in progress preparatory to an electromagnetic survey.

Group No. 9

This group of 70 claims adjoins the large block held by Algoma Ore Mines. A large pronounced aerial magnetic anomaly is shared by the holdings. The Algoma interests have conducted extensive geochemical drilling on their property but as yet no orebody has been located.

It is proposed to cut the survey lines and conduct an electromagnetic survey following the completion of the work above on Group No. 8.

ARIO PROPERTIES

The company has six properties in Ontario: two are located in the Parry district, one in the Larder Lake mining division, one in the Parry district, one in the Thunder Bay district and one in the Kowkash Division.

Parry District

Larder Lake Township

The company has acquired under option and by staking a block of claims and the Peterson option covering the patented north half of concession I, recorded as claim numbers;

S-79164 — 79168 incl.

S-80806 — 80809 incl.

S-80943 — 80947 incl.

S-81078 — 81081 incl.

S-81207 — 81210 incl.

S-81109 and S-81362

S-81520 — 81529 incl.

S-83161 — 83166 incl.

Regional Geology

The property is underlain by sedimentary members, the Ramsay Lake conglomerate and Mississagi quartzite of the basal zone of the Huronian-type rocks of the district. Conformable sills of diabase striking south-westerly and dipping south 60 to 75 degrees have intruded these sediments. Regional faults, parallel roughly to the strike of the formation, diagonally cross the property.

Mineralization

Prospecting and trenching exposed disseminated pyrite-pyrrhotite-calcopyrite-pentlandite mineralization in irregular patches and fractures generally aligned normal to the walls of the diabase. These indications were erratically spaced along 1,400 feet of length in the sill.

Geophysical Survey

An electromagnetic survey traced an anomalous fault zone between the Mississagi quartzite and the diabase sill across the entire property. Along 3,500 feet of this length, the anomaly indicated possible sulphide potential. A magnetic ground survey disclosed weak to moderate magnetic attraction along this zone and also disclosed several strongly magnetic areas in the diabase adjacent to exposed mineralization.

Diamond Drilling

The drilling completed totals slightly over 5,000 feet.

Two deep holes have been drilled across the "A" and "B" zones, two of the stronger anomalous areas along the indicated regional fault zone. Scattered pyrite and pyrrhotite were intersected but no significant copper-nickel mineralization was noted.

A series of 10 holes probed mainly at shallow depth the vicinity of the surface trenching and also cut the strong magnetic anomalies in the sill.

Intersections of marginal to non-commercial grade in copper and nickel mineralization were intersected but no ore zone was outlined.

Sufficient work has been completed to bring the majority of the claims to patent, if desired.

Bell Lake — Lorne Township

A group of eight claims in Concessions 4 and 5, Lots 10 and 12 including Bell Lake, were staked in Lorne Township. These claims are recorded as S-81363-81367 incl. and water claims S-81284-5-6.

These claims adjoin the former Golden Bucket Mine and have a geological setting as the above Nairn property.

Reconnaissance prospecting and electromagnetic test lines have been staked since testing.

Surface work on the property this past summer has failed to reveal promising mineralization.

Deeds Lake — Kowkash District

Property

Mogul Mining Corporation possesses 18 contiguous mining claims recorded as KK-9878 — 9886 incl. and KK-9842 — 9850 incl. located in Ski Township, formerly designated as Township 118.

The claims group lies two miles west of Deeds Lake, which is 11 miles east of Tashota, the nearest centre on the main transcontinental line of Canadian National Railway. The property is accessible by air with facilities at Deeds Lake. Geraldton, the nearest air base is sixty miles to the southeast of the group.

Geology

The district is within the Precambrian Shield. The property is underlain by the Marshall Lake series, a sedimentary quartzose group with lesser chert and breccia. Interbedded volcanic rocks, principally siliceous and siliceous lavas, occur within the sediments.

Diabase and small stocks of syenite intrude these rocks above. A subvolcanic group of dikes also transgress the earlier rocks.

The rocks are highly metamorphosed. Considerable shearing and drag are evident. The general trend follows the bedding planes.

Chalcopyrite mineralization has been found associated with magnetic titanite and pyrite mineralization. The host rocks are generally the rich sediments in or near bands of iron formation.

Geophysical Survey

The property has been prospected and several gossan areas have been mapped. A grid system of lines has been established to aid mapping and surveys. An electromagnetic survey has been completed on the property. The survey has indicated several anomalous areas. These areas or zones have been tested by magnetic surveys and coupled with the results located in the vicinity, a program of diamond drilling will be undertaken to test the favourable indications commencing early in October. A contract for a minimum of 2,000 feet of drilling has been authorized.

Creek Area — Port Arthur District

A group of unsurveyed and unpatented claims were recorded as numbered T.B. 48279— 93 incl. Considerable exploration for base metals was completed in this area without significant results.

The company has been granted an extension to complete assessment requirements but this extension expires shortly. Since the district has lost favour and the claims are considered of no merit, they will be allowed to expire.

Larder Lake District

A group of nine claims recorded as L.59712 — 20 inclusive and with a 50% interest in favour of Mogul Mining Corporation are held in Katrine Township. The claims are a gold prospect and are presently considered of no merit.

Parry Sound District

Property

The company has staked under contract a group of 70 claims in McDougall and Ferguson Townships directly north of Parry Sound. These claims were recently staked and recorded as claim numbers P.3951 — 4020 inclusive.

Location and Access

The claims are contained in three groups and are located 8 to 10 miles north of Parry Sound. The westerly group of 43 claims centres on Cranberry Lake, is directly accessible by road from Nobel, and two miles distant from the branch line of Canadian Pacific Railways from Parry Sound to Sault Ste. Marie. The two remaining groups, the first and northerly of 13 claims and the second, almost contiguous to the south, a group of 12 claims, are both located directly east of Nine Mile Lake, approximately 1½ miles due east of the Cranberry Lake group. These two groups above are accessible by road and rail, in this instance, the Parry Sound-North Bay branch line of Canadian National Railways which passes less than a mile east of the groups.

Geology

Regionally, the claim groups are situated in an area of highly metamorphosed sediments, intruded by granite, and granitic dikes. The sediments include biotite, biotite-garnet and garnet gneisses with a higher grade metamorphic rock-type predominately amphibolitic but with similar accessory minerals. The granitic rocks include the normal pink and grey 'granites' as well as orthogneisses of a hybrid origin and numerous pegmatite and aplite dikes.

Mineralization

The pegmatite dikes in the district are known to contain radioactive minerals. In addition some rare earth minerals have also been determined. Presently the exploration has not gathered sufficient information to evaluate the nature and character of these occurrences.

Exploration

The company at present does not have specific plans other than general prospecting for these groups. The prospecting program will determine the advisability of further detailed exploration.

Cosgrave Lake — Beardmore-Nipigon District

The company has acquired a group of 18 claims in the Cosgrave Lake sector of the Beardmore-Nipigon District. This area for the past six months has been the scene of intensive exploration and development of lithium-bearing sources principally spodumene in pegmatite dikes. The work completed has indicated several potential ore deposits, one of which, the Conwest controlled Ontario Lithium, directly adjoins the company's property to the east. Likewise spodumene-bearing dikes have been located on the Newkirk property to the south and on the Aumacho property to the west of the Mogul property.

Location and Access

The company's group comprises 18 claims recorded as numbers T.B. 66803 — 66820 inclusive. They are located approximately mid-way between Georgia Lake and Cosgrave Lake. Regionally, this district is mid-way between Long Lac and Port Arthur and the road, rail and power services connecting these centres pass within seven miles to the west of the claim group. Direct access from the highway to the claim group is possible via a toll road of the St. Lawrence Pulp Company. This fair weather road passes within 200 feet of the north boundary of the claim group. Air service is available at MacDiarmid on Lake Nipigon, some 20 miles north and west.

General Geology

The regional geology is relatively simple. The area is a deeply eroded granitic province enclosing remnants and roof pendants of a predominantly sedimentary sequence. These meta-sediments are highly metamorphosed to garnet-mica schists, paragneiss and related rock types. Granite orthogneisses occur in the peripheral areas of the parental granite bodies. The pegmatite dikes are known to occur in the schists, gneisses and to a limited degree in the granites. In part the dikes are concurrent with the meta-sediments and in part occupy tension fractures normal to the trend of the granitic offshoot dikes.

Diabase of the Nipissing-type occurs locally as a flat-lying sill in part completely eroded off the present surface.

Detail

A general survey of the property has shown that the group is largely underlain by meta-sediments. A granitic dike concurrent with the sediments strikes across the northerly part of the group extending from the Aumacho occurrence. On this adjoining property a dike bearing excellent spodumene has been located in a tension fracture normal to the granite

offshoot. Similarly, spodumene-bearing dikes trending parallel to the N 70 - 75° E regional trend have been located on the Conwest property some 1,800 feet east of the common boundary and also to the south on the Newkirk property.

Exploration

Since the property is located in a favourable area close to known occurrences, it is proposed to explore the ground intensively.

The first phase of this program line cutting to gain access has already started. A detailed mapping and prospecting survey will follow this work and from the results, further detailed work on the most favourable locations is planned.

QUEBEC PROPERTIES

The Bornite Copper Property

The company has acquired by purchase the holdings known as the Bornite or Harvey Hill Copper property. The property originally comprised 15 claims recorded as claim numbers Q.66625 to 66627 incl., Q.66630 and Q.66631 and Q.73338 to 73347 incl. This constituted an area of 848 acres, all located in Range XV, Leeds Township, Megantic County. Recently, additional staking by the company has added the surrounding ground extending into Broughton Township to the above. The recent acquisitions are recorded as claim numbers Q.88861 to 88863 incl., Q.88638 to 88642 incl., Q.88915, Q.88916 and Q.88961.

Location and Access

The entire property is located near West Broughton, some 12 miles north of Thetford Mines in the heart of the Eastern Townships of the Province of Quebec. This mining centre is approximately 60 miles due south of Quebec City. It is the nearest rail and shipping centre. The property is directly accessible by road. Power is available to the company on a recently constructed line to the shaft area.

Previous Work

The property has a long and detailed history of activity in the past century. Numerous old workings including several shafts and adits were completed in the vicinity of the mineralized exposures in lot 17.

Recent Work

Prior to the company's acquisition, an exploration program during the period August, 1951 to April, 1952 and directed by Simard and Knight, Consulting Engineers, outlined two significant horizons designated the "A" and "B" beds. These gently sloping horizons contain disseminated chalcocyanite and bornite in a series of bedded schists dipping to the north at 10 to 30 degrees and raking gently to the northwest. As a result of 13,156

feet of diamond drilling, it is estimated these beds contain the following ore reserves.

Bed	Average Thickness	Estimated Tonnage	Estimated Grade % Cu.
A	10.5'	335,000	1.79
B	9.9'	435,000	2.10
Totals	10.2'	770,000	1.95

Additional prospects of increasing ore reserves in similar beds to the above are considered probable on the claim group.

Metallurgy

In a series of preliminary tests using dump material and the drill intersections, the ore grading 1.3 to 1.4% Cu. was easily ground and concentrated to 45% Cu. with 90 to 93% recovery. This high grade concentrate is mainly due to the presence of bornite.

Further metallurgy and preparation of a flowsheet awaits sizeable ore samples now available in the test adit.

Mining

For two reasons, the first to gain a representative sample of ore to determine the flowsheet of treatment and secondly, to test stop a typical part of the ore zone and thus establish mining conditions and costs, the company has rehabilitated one of the old adits for a length of 400 feet. At this point a cross-cut, 1-18, has been driven slightly over 550 feet to intersect the "B" zone. This cross-cut has now reached this objective.

It is proposed to drift east and west from the above cross-cut along the strike of the "B" bed to establish the grade, width and continuity. Raising will also establish these conditions above on the dip. Subsequent test stoping will then establish the proper mining method and costs related to this method.

Presently the economics of this operation appear very favourable and it is anticipated that this potential mine will be brought to production. Plans for the shaft and underground mining operation are tentatively drawn pending the completion and results of the present test program. In this vein, the location of the 1-18 cross-cut was positioned as to allow the raising of the initial 75 feet of the proposed 500 foot shaft.

Figury Township — Amos District

In association with the company's lithium interests in the Beardmore District and investment interest in the Lithium Corporation of Canada, the company has acquired a prospect in the La Motte district of North-western Quebec.

The claim group comprises an area of 1,248 acres recorded as claim numbers A.204637 to 204650 inclusive. It is entirely located in Range II, Figury Township.

Location and Access

The claim group is located seven miles due south of the town of Amos. This shipping centre is situated on the Quebec-Cochrane branch of the transcontinental line of Canadian National Railways. Route 45, a provincial highway, leads directly from Amos to within a mile of the property. Colonization roads from the highway provide direct access to the property. Power is available less than one mile east of the property. This is the high tension transmission line serving the town of Amos.

Regional Geology

The spodumene-bearing pegmatite dikes occur in association with the La Corne-La Motte granitic batholith and are localized in the peripheral areas. The surrounding volcanic and sedimentary rocks have been forcibly intruded and on occasion act as host rocks.

The main batholith consists of a variety of granitic facies ranging from the quartzose potash-rich pink granite to the satellitic and hybrid grey granites. The pegmatite dikes are believed to be a late stage differentiation product associated with or localized in the marginal satellitic facies or the adjoining country rock.

Detailed Geology

The contact areas particularly on the northern flank of the batholith have proved to be the locale of the majority of the known and particularly sizeable occurrences. The Mogul property straddles over 3½ miles of this favourable contact zone on the northern flank of the La Motte granite. From the experience of the mines already proven, the spodumene-bearing dikes occur within 2,000 feet of the granite contact within the parental or satellitic mass and up to 600 feet into the adjoining country rock.

Exploration

The favourable contact zone is largely drift-covered on the Mogul property and hence prospecting has been of little avail. The nearest known occurrence of the spodumene-bearing dikes is on the Lithium Corporation of America group in lot 11, range II. Hence, three dikes striking 320° — 335° azimuth have been trenched approximately 800 feet south of the Mogul boundary. Since the intervening ground is drift-covered, the extension on line of strike to the Mogul property will necessitate drilling.

In advance of such drilling the property has been mapped in detail and currently, a magnetometer and scintillometer survey are in progress to aid in the definition of the favourable contact zone and thus guide further exploration.

C. E. BOWKER, P.Eng.,

Mining Director,

Mogul Mining Corporation Limited.

Dated at West Broughton,
this 28th day of September, 1955.

CERTIFICATE

I, C. E. Bowker, residing in the community of West Broughton, County of Megantic, in the Province of Quebec, do hereby declare:

That I am a graduate of Queen's University in Mining and Metallurgy and a member in good standing of the Professional Engineers of Ontario.

That I have practised my profession as a Mining Engineer and Director of Mining Operations since graduation in 1932.

That I have no interest either directly or indirectly, nor do I expect to receive any interest either directly or indirectly in the property or securities of Mogul Mining Corporation Limited.

That my report to Mogul Mining Corporation is based upon close collaboration with W. W. Weber, Consulting Geologist to the Company and upon personal supervision of the development programs in my position as Director of Mining to the Company.

C. E. BOWKER, P.Eng.

dated this 28th day of September, 1955.

MOGUL MINING CORPORATION LIMITED

Incorporated under the laws of Ontario

BALANCE SHEET

AUGUST 31, 1955

ASSETS

Accounts receivable		57,920.65	
Shares in other mining companies (See notes 1 and 2)		3,996,503.28	
Buildings and equipment, at cost		26,201.61	
Mining claims and interest in mining claims at the consideration given therefor consisting of 200,000 shares of capital stock at ten cents per share and \$203,381.39 cash			223,381.39
Deferred charges:			
Prepaid expenses	656.24		
Administration	36,157.24		
Development	184,081.49		
Discount on debentures	150,000.00		370,894.97
			<u>\$ 4,674,910.90</u>

LIABILITIES

Current liabilities:			
Bank overdraft (secured)		544,890.71	
Accounts payable		622,575.19	
Accrued interest on debentures		2,440.00	1,179,905.90
1% Sinking fund debentures maturing January 1, 1960:			
Authorized and issued		3,000,000.00	
Less Conversions into shares of capital stock		1,536,000.00	1,464,000.00
Capital:			
Capital stock:			
Authorized, 5,000,000 shares of \$1.00 per value			
Issued, 2,923,993 shares as follows:			
	No. of Shares and Par Value	Discount or Premium	Net
For cash	1,700,005	715,000.00	485,005.00
For mining claims	200,000	180,000.00	20,000.00
For mining claims now abandoned	500,000	450,000.00	50,000.00
For debenture conversions	1,023,988	512,012.00	1,536,000.00
	2,923,993	832,988.00	2,091,005.00
Less: Deficit, representing cost of abandoned claims		50,000.00	2,041,005.00
			<u>\$ 4,674,910.90</u>

The accompanying notes form an integral part of this balance sheet.

Approved on behalf of the Board:

S. A. FERRY, Director.

G. D. PATTISON, Director.



41006SE0022 PATTON16 PATTON

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MOGUL MINING CORPORATION LIMITED

AUDITORS' REPORT

We have examined the accounts and records of Mogul Mining Corporation Limited for the period from May 29, 1945, the date of incorporation to August 31, 1955. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting documents as we considered necessary in the circumstances.

We report that, in our opinion, the above balance sheet, supplemented by the notes thereto, and the attached statement of administration and development are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the company as at August 31, 1955, according to the best of our information and the explanations given us and as shown by the books of the company.

Montreal, Canada,
October 19, 1955.

THORNE, MULHOLLAND, HOWSON & McPHERSON,
Chartered Accountants.

NOTES TO THE BALANCE SHEET
as at August 31, 1955

1. Shares in mining companies consisted of both escrowed and free shares and have been valued on a combined basis at cost of all acquisitions less proceeds of all disposals to date. Based on quoted value of free shares, these securities had a combined value on August 31, 1955 of \$12,032,516.00 of which free shares represented \$6,028,946.00.

2. The shareholdings of the company in the mining companies referred to in Note 1 in some cases slightly exceed 50% of their issued shares, but as we are informed that the company does not participate in the management of such mining companies, they are not treated as subsidiaries and no consolidation of the accounts has been made.

3. No provision has been made for possible income taxes.

4. Under two separate agreements, the company has acquired blocks of mining claims in the Province of New Brunswick and under each has agreed to pay a further consideration, on or before November 1, 1956, consisting of a 5% interest in companies which may be formed, or at the option of Mogul, the number of fully paid shares of the capital stock of Mogul as may be agreed by the vendor and Mogul.

5. The 1% sinking fund debentures are convertible, at the option of the holder, into shares of capital stock on a basis which requires a maximum of 976,000 shares to be available for this purpose.

6. The company has created and proposes to issue \$4,000,000.00 Series B 3% sinking fund debentures dated October 1, 1955, with provision for conversion, at the option of the holder, into shares of capital stock on a basis which will require a maximum of 1,100,000 shares to be available for this purpose.

MOGUL MINING CORPORATION LIMITED

STATEMENT OF ADMINISTRATION AND DEVELOPMENT

Period from May 29, 1945, the date of incorporation,
to August 31, 1955

ADMINISTRATION:

Incorporation and organization	2,300.37
Legal fees and expenses	4,999.82
Listing fees and expenses	1,456.83
Stock transfer expenses	2,306.36
Audit	500.00
Expenses of debenture issue	6,066.23
Debenture interest	6,561.39
Bank charges	4,486.98
General administration	7,479.26
	<u>\$ 36,157.24</u>

DEVELOPMENT:

Diamond drilling	62,905.00
Surveys	10,949.00
Consultants fees and expenses	13,964.43
Wages	10,283.07
Engineering services	11,154.64
Supplies	3,365.05
Transportation	8,097.15
Line cutting	3,468.00
Drifting and crosscutting	12,524.07
Harvey Hill general charges	9,883.56
Ungava prospecting	7,842.88
General prospecting and reconnaissance	15,831.48
Grubstake	8,000.00
Miscellaneous expenses	5,763.16
	<u>\$184,081.49</u>

Bilton Option
Iron Bridge

PIT G

Jointing S 85°W 85N
Strike N 90°
3' breccia along quartz vein
Muscovite + Azurite
Chalco + Pyrite + Siderite
M-62-12

Shows argillite weathering out
to depressions in gtz.

Bilton Option
Iron Bridge

PIT A

Photo #7 Sample M-62-9
Massive white gtz containing large
patches of chalcopryite 1/2 - 2 1/2"
in diameter. 1/2 - 1" pyrite patches
± 10% Chalco. 3-4% FeS₂
Extensive inclusions of fine grained
Gossanula 'argillite & silty' roughly
parrelling the shearing. Extensive
gossan staining along gtz fractures.

PIT F

S 70°E 75°N predominant shearing.
Fine grained argillite, homogeneous
Extensive brecciation & silicification.
Fingular argillite fragments surrounded
by white gtz.
Mineralization associated with the gtz
includes

Pyrite
Chalcopryite (dark white)
Siderite - minor
Magnetite - minor

The magnetite is flakey looking
(pseudomorph after specularite or is it
merely fine grained magnetite between
scales of specularite)

Weak mineralization

M-62-10

- 11

Photo - John sitting at end of trench.

MOGUL MINING CORPORATION LIMITED

EXECUTIVE OFFICE
SUITE 405-25 ADELAIDE STREET WEST
TORONTO, CANADA

FCK:mh

August 24, 1956.

Dr. J.E. Thompson,
Asst. Provincial Geologist,
Ontario Dept. of Mines,
Parliament Buildings,
TORONTO. ONT.

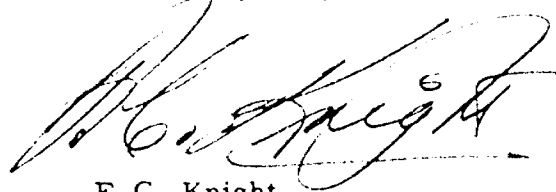
Dear Dr. Thompson,

Your letter of June 29 last addressed to Mr. H. W. Knight, President, Mogul Mining Corporation Limited, requesting information on work carried out by this company in Nairn, Lorne and Patton Townships has been passed to me for reply.

Re the work in Nairn and Lorne Townships, no results of interest were obtained to my knowledge.

Re the Patton Township project, I enclose a copy of my summary of this work to the company. I believe it is self-explanatory.

Yours very truly,



F. C. Knight
Mogul Mining Corporation Limited.

Encl.

NOT TO BE REMOVED FROM
THE OFFICE OF THE ASSISTANT
PROVINCIAL GEOLOGIST,
SAULT STE. MARIE, ONT.

5 51-1 52

Miss

Christina Bilton

716 Queen St E

Sault Ste Marie

Bilton

Property

S.H.

Lot 10 Cor III

Madeira Brown Property

NE 1/4 Sect 29 Patten Twp

Loone C Tullach O'Brien

Mactac, Ont.

NE 1/4 Sect 30 Patten Twp

Groves

Mc Elroy

RR # 1 Grandbridge

N 1/2 NE 1/4 Sect 30

SW 1/4 NE 1/4 Sect 30

Mogul Mining Corp.

File 63-747

1956.

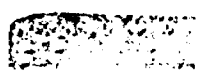
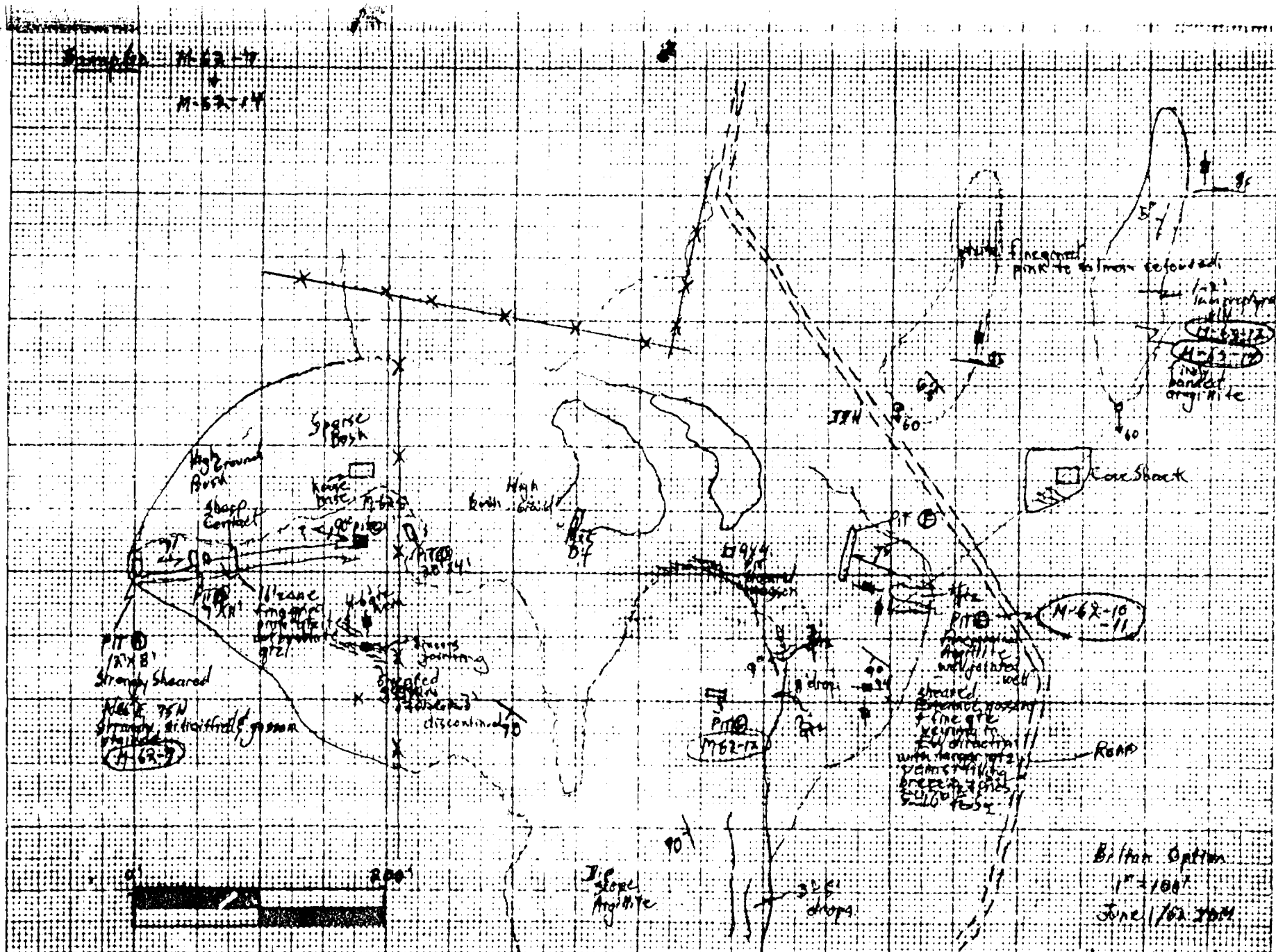
34 claims 26 patented

SSM. 42442 - 45

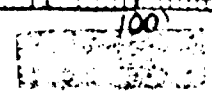
SSM. 48855 - 58

Concessions II and III Patent Twp.

EM survey. Work explore new vein \therefore quartz
rte work conductors.



1" = 100'



BILTON OPTION, PATTON TOWNSHIP, ONTARIO.

THE PROPERTY HAS BEEN TESTED BY THIRTY-ONE DIAMOND DRILL HOLES TOTALLING 7650 FEET. TWENTY-NINE DRILL HOLES TESTED A QUARTZ-COPPER ZONE ALONG A LENGTH OF 2600 FEET AND TO A MAXIMUM DEPTH OF 425 FEET BELOW SURFACE. THE TWO REMAINING HOLES TESTED ELECTROMAGNETIC ANOMALIES WITHOUT RESULT.

ALONG THE QUARTZ-COPPER ZONE TWO SMALL MINERALIZED BODIES, POSSIBLY OF ORE GRADE, HAVE BEEN OUTLINED. THE WEST BODY HAS BEEN INDICATED ALONG A LENGTH OF 450 FEET BY 5 DRILL HOLES THE EAST BODY, WHICH IS SEPARATED FROM THE WEST ~~BODY~~ BODY ALONG STRIKE BY 200 FEET OF ALMOST BARREN MATERIAL, HAS BEEN INDICATED ALONG A LENGTH OF 400 FEET FROM FOUR DRILL HOLES. THE LOWER LIMIT OF ORE GRADE MATERIAL IN BOTH BODIES IS SOME 200 FEET BELOW SURFACE.

THE FOLLOWING TABULATION IS AN ESTIMATE OF THE ORE POTENTIAL OF THE TWO BODIES, SUFFICIENT TO OPERATE 100 TON PER DAY CONCENTRATOR FOR APPROXIMATELY THREE YEARS

DRILL HOLE	AREA SQ. FT.	THICKNESS FT.	TONS	TONS CUMULATIVE	GRADE % Cu	TONS X %	T X % CUMULATIVE
<u>WEST BODY TO DEPTH OF 200 FT.</u>							
17	17,600	7.0	10,270	10,270	3.17	32,559	32,559
1	16,000	13.0	17,300	27,570	1.04	17,992	50,551
16	13,600	3.5	6,230	33,800	1.23	7,663	58,214
2	16,000	8.5	11,330	45,130	1.14	12,916	71,130
15	17,600	3.5	5,130	50,260	1.32	6,772	77,902
AVERAGE		7.5		50,260	1.55 %		
<u>EAST BODY TO DEPTH OF 200 FEET.</u>							
4	20,000	5.5	9,170	9,170	2.08	19,073	19,073
13	20,800	8.5		23,900	1.33	19,540	38,663
5	16,000	9.0	12,000	35,900	3.12	37,440	76,103
12	19,200	5.5	9,000	44,900	1.11	9,990	86,093
AVERAGE		7.1		44,900	1.91 %		
OVERALL AVERAGE		7.3		95,160	1.72 %		163,995

EIGHT HOLES WERE DRILLED TO A MAXIMUM DEPTH OF 225 FEET BELOW THESE TWO BODIES AND FAILED TO ADD TO THE ABOVE POTENTIAL. AS A CONSEQUENCE EXPENDITURES FOR EXPLORATION HAVE BEEN TERMINATED AND IT IS NOT RECOMMENDED THAT THIS COMPANY ADVANCE ADDITIONAL FUNDS FOR THE PROPERTY.

RESPECTFULLY SUBMITTED
F.C. KNIGHT
MOGUL MINING CORP. LMD.

PROBABLE THAT DEPTH ESTIMATE OF 200 FT. IS TOO OPTIMISTIC
100 FT. IS MORE REALISTIC

TONNAGE OF 95 000 QUITE UNREALISTIC IN MY OPINION
~ 25,000 TO 30,000 TONS OF ORE 20% IS ALL THAT
CAN BE CONSIDERED OF INTEREST

RESERVE TOO SMALL TO JUSTIFY CONSTRUCTION
OF PLANT - GRADE TOO LOW TO PAY COST OF
DEVELOPEMENT REQUIRED + TRANSPORT TO PRONTO
MILL (2.00 PER TON $25 \frac{1}{2}$ / ton mile)

C.F. KNIGHT

S SM-152

NOTE:

Some of the % grades do not agree with F.C. Knight's figures.
Sp. Gr. nearer 11 cu. ft. - check Prints - will reduce tonnage

MOGUL MINING CORP.
BILTON OPTION
TONNAGE ESTIMATE

BILTON SHOOT:

HOLE	LENGTH 300 FT.	DEPTH 100 FT.	F.C.K. % grade width
M-4	1.25% Cu x 12.1 ft	15.125	2.08% 5.5'
M-13	1.33% Cu x 10.6 ft	14.098	1.33 8.5'
M-5	3.32% Cu x 11.1 ft	36.852	3.12 9.0'
M-12	1.11% Cu x 6.8 ft	7.548	1.11 5.5'
	<u>40.6</u>	<u>73.683</u>	<u>1.91 7.1'</u>

AVERAGE GRADE $\frac{73.683}{40.6}$ 1.81 % Cu

AVERAGE WIDTH $\frac{40.6}{4}$ 10.18 x .82 = 8.8'

TONNAGE $\frac{300 \times 100 \times 8.8}{10}$ = 26,400 T of 1.81% Cu

WILLOCK SHOOT

HOLE	LENGTH 400 FT.	DEPTH 100 FT.	F.C.K. % grade width
M-17	3.17% Cu x 9.8'	31.066	3.17% 7.0'
M-1	1.37% Cu x 11.5'	15.755	1.04% 13.0'
M-16	1.05% Cu x 10.9'	11.445	1.23% 3.5'
M-2	1.14% Cu x 9.5'	10.890	1.14% 8.5'
M-15	1.32% Cu x 3.8'	5.016	1.32% 3.5'
	<u>45.5</u>	<u>74.112</u>	<u>1.55% 7.5'</u>

AVERAGE GRADE $\frac{74.112}{45.5}$ 1.63% Cu

AVERAGE WIDTH $\frac{49.8}{5}$ 9.1 x .82 = 7.46'

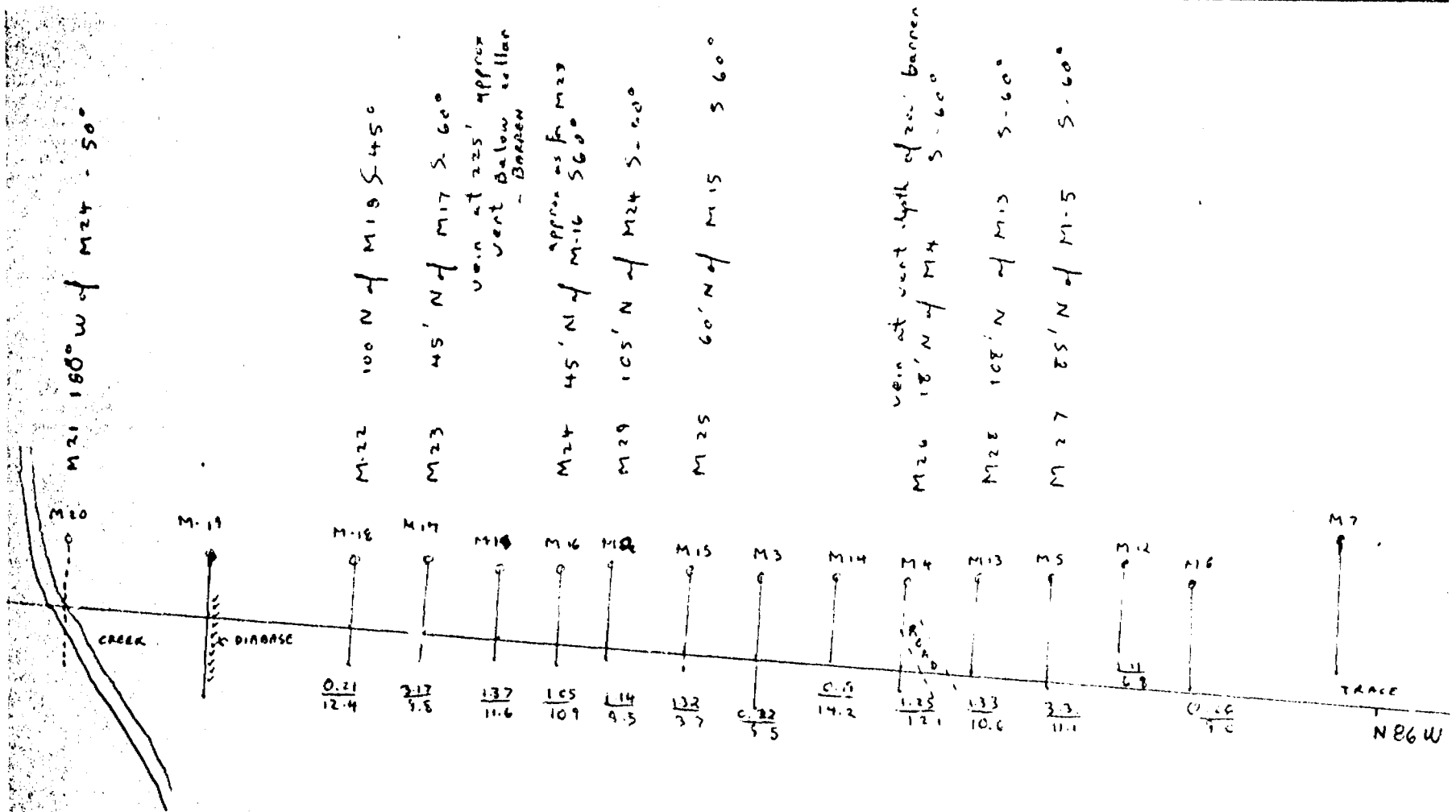
TONNAGE $\frac{400 \times 100 \times 7.46}{10}$ = 29,840 T of 1.63% Cu

TOTAL AVER GRADE $\frac{147.738}{86.1}$ = 1.71 % Cu

TOTAL PROJECT TONNAGE TO 100' DEPTH = 54,740 T of 1.71% Cu

NOTE: DIP OF 80° USED FOR CALCULATION

10 Cu. ft. per ton may be a bit dense for this material, it is hard to guess the specific gravity



BILTON CITY
SCALE 1" = 200'

DDH #30 } TO TEST EM ANOMALY
31 }

* VALUES OVER 1% COPPER

DDH 30 line C WEST 1850' N - 50°
31 line D WEST 2100' N - 45°

TABLE OF DDH RESULTS - BILTON OPTION - PATTON TW

HOLE NO.	TTD	TO H.W.	INTERSECTION OF STRUCTURE	MINERAL	AVER. ASSAY
M1	-45 172.1	103?			1.37 / 7.0 / 11.5'
M2	-45	95?			
M3	-45 301.0	H 87?	122.0 - 141.5	MINOR CP.	
M4	196.0	118 118	167.2 - 176.1	FAIR VEINS	2.08 / 6.1'
M5	-45 149.2	47 47	67.1 - 78.2		3.32 / 11.1'
M6	173.2	71.5 71.5	101.2 - 110.2		.28 / 9'
M7	259.7	93	136.2 - 147.0	FEW SPKS. CP	
M8	170.2		141.0 - 150.2		.3 / 9'
M9	189.0		148.4 - 169.2	SCATT. CP	
M10	ABAN 129.5				
M11			50.2 - 55.2		
M12	168.3	93 93	133.2 - 145.6		1.11 / 6.8'
M13	191.0	114 114	161.1 - 171.1		1.33 / 10.6'
M14	192.8	81 81	114.2 - 128.4		.19 / 14.2
M15	-45 170.8	91 91	129.2 - 133.1		1.32 / 3.8'
M16	-45 178	101 101	143.1 - 154.0		1.23 / 7.9'
M17	171.9	101 101	142.4 - 152.2		3.17 / 7.8'
M18	-40 196.0	107 90	140.5 - 152.9		2.1 / 12.4
M19	298.4	115 115	172.0 - 175.7 115.5 - 280	diabase like into off vein	46 / 3.2'
M20	187.0	87 87	127.3 - 132.5	132.5 - 187 chalcose	
M21	-50 183.7	78 78	110.7 - 183.7	at 124, diabase	
M22	-45 326.7	195 195	273.8 - 281.6		
M23	-60 344.0	126 221	257.5 - 276.0		55 / 2.4
M24	-10 310.0	124 217 149 260	250.9 - 253.2 296.8 - 301.0		65 / 4.2
M25	-10 341.7	154 261	307.2 - 313.4	brecciated vein	
M26	-10 325.0	143 247	285.5 - 292.8	brecciated vein	
M27	-10 324.0	143 247	286.0 - 292.0		.48 / 8.2'
M28	-10 481.5	169 242	338.0 - 481.5	gabbro similar	M23
M29	-10 521.0	200 349	401.0 - 521.0	gabbro	
M30	-10 300.0				
M31	-10 250.0				

sediments from collar.
 sediments from collar
 2' fault gouge maybe slightly causing anomaly.

MEMO RE:

NOT TO BE REMOVED FROM
THE OFFICE OF THE RESIDENT
GEOLOGIST, ONT. DEPT. OF MINES
SAULT STE. MARIE, ONT.

BILTON OPTION, PATTON TOWNSHIP, ONTARIO.

The property has been tested by thirtyone diamond drill holes totalling 7650 feet. Twentynine drill holes tested a quartz-copper zone along all length of 2600 feet and to a maximum depth of 425 feet below surface. The two remaining holes tested electromagnetic anomalies without result.

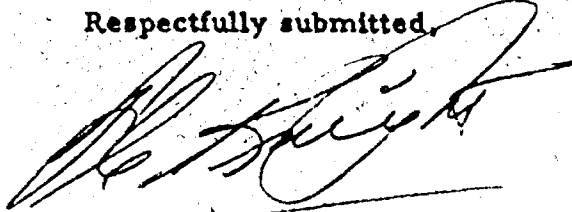
Along the quartz--copper zone two small mineralized bodies, possibly of ore grade, have been outlined. The West Body has been indicated along a length of 450 feet by five drill holes. The East Body, which is separated from the West Body along strike by 200 feet of almost barren material, has an indicated length of 400 feet from four drill holes. The lower limit of ore grade material in both bodies is some 200 feet below surface.

The following tabulation is an estimate of the ore potential of the two bodies, sufficient to operate a 100 ton per day concentrator for approximately three years.

Drill Hole	Area sq. ft.	Thick-ness Ft.	Tons	Tons Cumulative	Grade % Cu.	Tons x %	T x % Cumulative
<u>West Body to depth of 200 feet.</u>							
17	17,600	7.0	10,270	10,270	3.17	32,559	32,559
1	16,000	13.0	17,300	27,570	1.04	17,992	50,551
16	13,600	5.5	6,230	33,800	1.23	7,663	58,214
2	16,000	8.5	11,330	45,130	1.14	12,916	71,130
15	17,600	3.5	5,130	50,260	1.32	6,772	77,902
Ave.		7.5		50,260	1.55%		
<u>East Body to depth of 200 feet.</u>							
4	20,000	5.5	9,170	9,170	2.08	19,073	19,073
13	20,800	8.5	14,730	23,900	1.33	19,590	38,663
5	16,000	9.0	12,000	35,900	3.12	37,440	76,103
12	19,200	5.5	9,000	44,900	1.11	9,990	86,093
Ave.		7.1		44,900	1.91%		
Overall Ave.		7.3		95,160	1.72%		163,995

Eight holes were drilled to a maximum depth of 225 feet below these two bodies and failed to add to the above potential. As a consequence expenditures for exploration have been terminated and it is not recommended that this Company advance additional funds for the property.

Respectfully submitted,



F.C. Knight
MOGUL MINING CORPORATION LIMITED.

NOT TO BE REMOVED FROM
THE OFFICE OF THE RESIDENT
GEOLOGIST, ONT. DEPT. OF MINES
SAULT STE. MARIE, ONT.

S 51-152

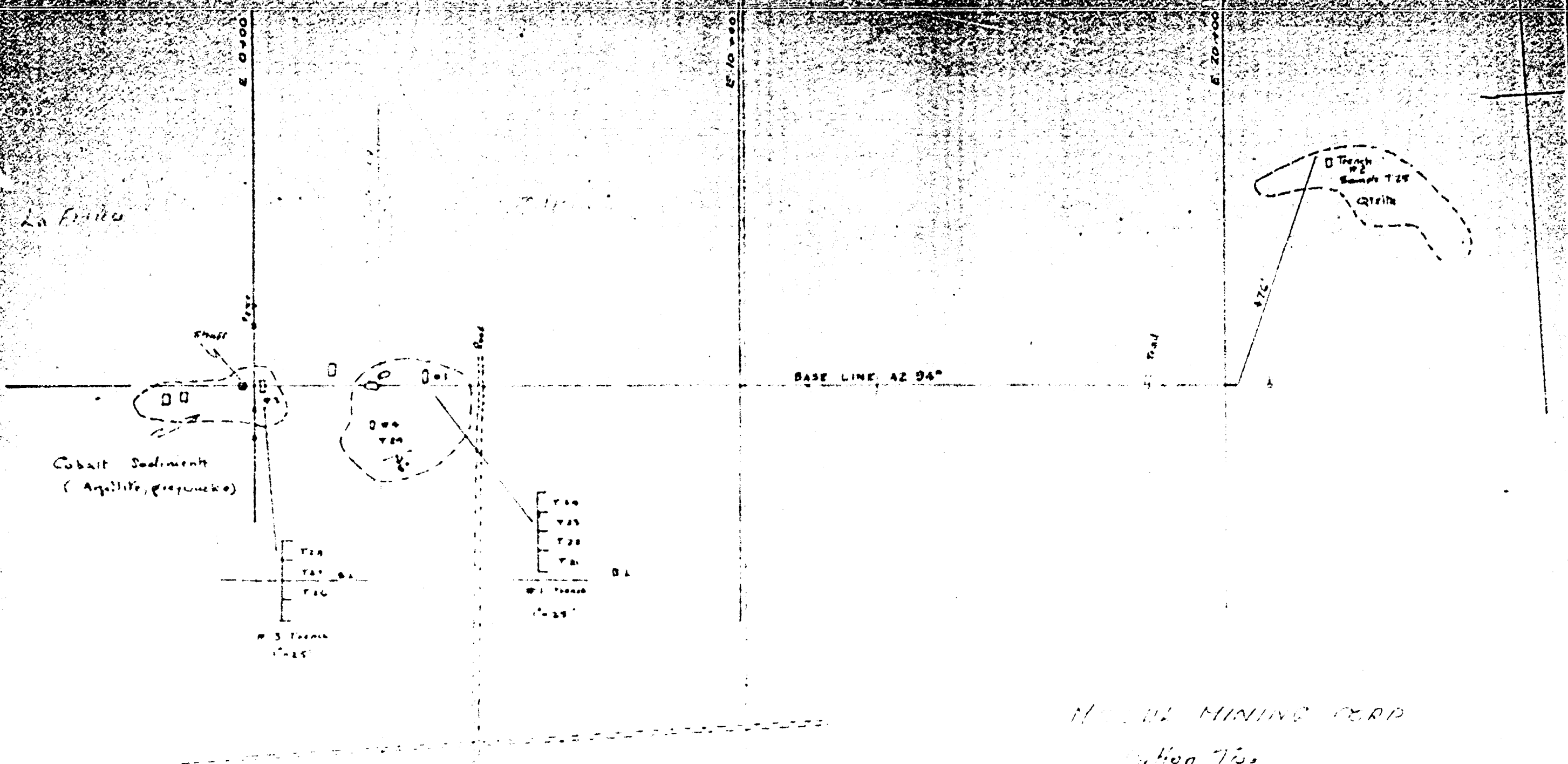
Bitton Option

Doughty Property

Jan 15/69

Mr. W. Doughty, Sault Ste. Marie, carried out mining operations on a copper deposit, known as the Bitton property, located in Patton Twp., 2 miles northeast of Iron Bridge.

Two shipments were made to the Pronto mill of Rio Algom Mines, ^{in 1968} for custom milling. The first shipment, of 5.96 tons, had a grade of 1.08% Cu, from which 317 lbs of copper were recovered. The second shipment consisted of 51 tons of material, grading 0.62% Cu. There was no recovery reported from this latter shipment.



La Esmeralda

Cobalt Sediment
(Azulite, graywacke)

BASE LINE AZ 94°

Trench #2
Sample T28
Qzite

T29
T27
T26
N. S. Trench
1'-25'

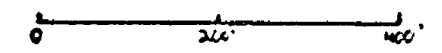
T29
T27
T28
T26
N. S. Trench
1'-25'

N. S. MINING CORP

Section 75,

WORK ON BILL FOR OPTION

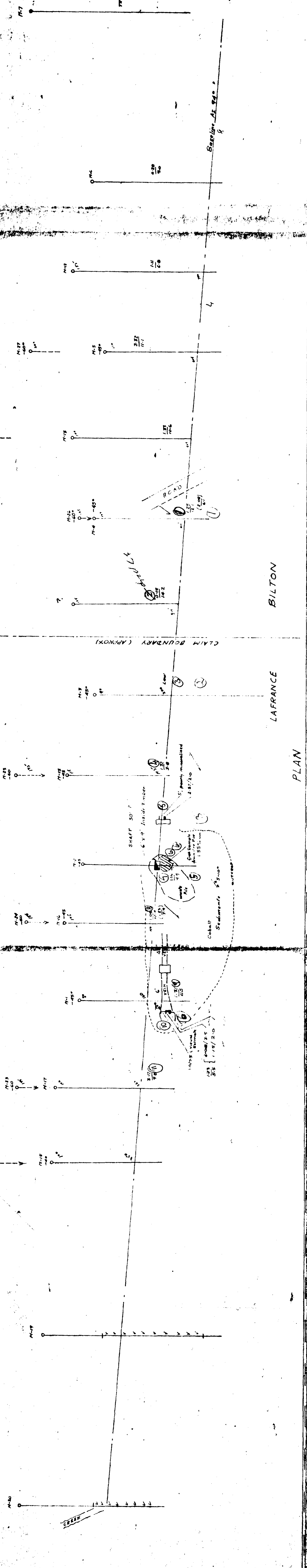
1" = 200'



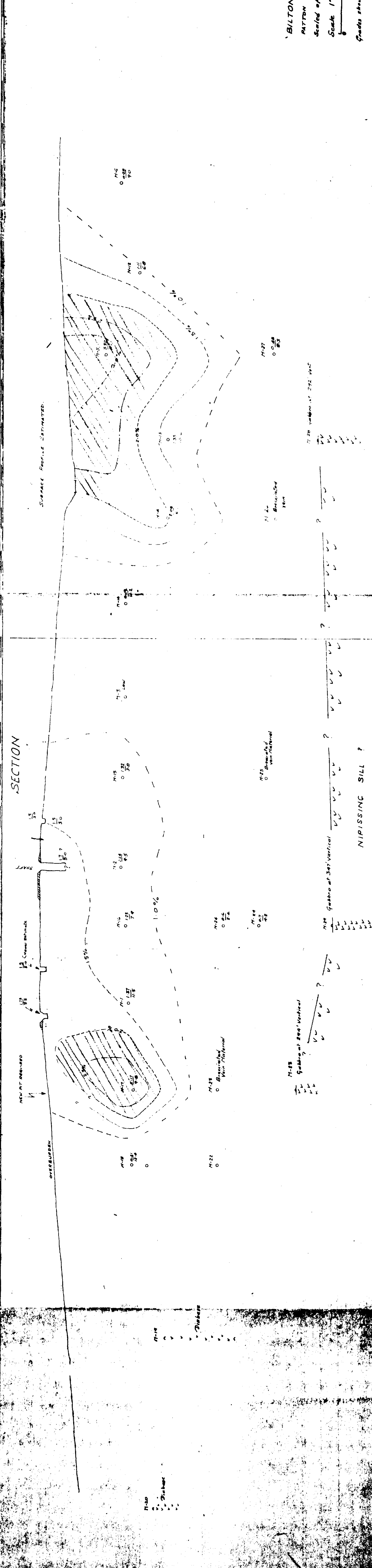
TRACED FROM
PRINT "IN WORK" OITS.
30PT 27/10/1960 C. J. KNIGHT

□ Pit
○ Outcrop

5 30-15



750
480
1150



'BILTON OPTION'
PATTON TWP DRILLING RESULTS
 Scaled off 1"=200' sketches by M. Patton
 Scale 1"=50'
 2000' 0" 0" 0"
 C. D. Patton
 Grades shown as $\frac{1}{2}$ "
 Horizontal scale 1"=100'

PATTON - 0016 #1

