

28(1)
No Securities Commission or Similar Authority in Canada has
securities offered hereunder, and any representation to the contrary



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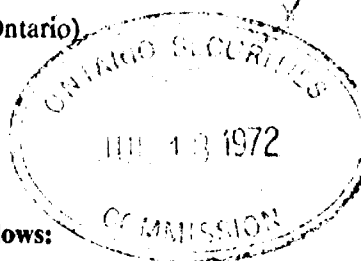
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NEW ISSUE

NAUTILUS EXPLORATIONS LIMITED

(Incorporated under the laws of the Province of Ontario)

Offering of 212,000 common shares
of which 100,000 are underwritten
and 112,000 shares are under option as follows:



<u>Underwritten</u>	<u>Under (1) Option</u>	<u>Price per Share</u>	<u>Net Proceeds to the Company</u>	<u>Maximum Offering Price per Share</u>
100,000		20¢	\$20,000	40¢
	75,000	25¢	18,750	50¢
	37,000	30¢	11,100	60¢
<u>100,000</u>	<u>112,000</u>		<u>\$49,850</u>	

(1) There is no obligation upon the Underwriter-Optionee and there is no assurance that the optioned shares will be purchased.

The purpose of this issue is to provide the Corporation with sufficient funds to implement the recommended exploratory program as described in the heading "Use of Proceeds" on the Corporation's claims described in the heading "The Powell Township Claims" to pay the costs of this Prospectus and for current operating expenses.

SECONDARY OFFERING

75,000 shares, the proceeds of which will accrue to the selling shareholder, Gordon-Daly Grenadier Limited, and not to the treasury of the Corporation, which shares will be offered following the offering and sale of the underwritten and optioned shares.

There is no market for the shares of the Corporation.

THESE SHARES ARE SPECULATIVE SECURITIES

The shares offered hereunder are subject to prior sale and subject to approval of all legal matters on behalf of the Corporation and Underwriter-Optionee by Messrs. Blackwell, Law, Treadgold & Armstrong, Toronto, Ontario.

Gordon-Daly Grenadier Limited

350 Bay Street
Toronto, Ontario

THE CORPORATION

NAUTILUS EXPLORATIONS LIMITED (hereinafter called "the Corporation") was incorporated under the laws of the Province of Ontario by Articles of Incorporation dated the 16th day of March, 1972, with an authorized capital of 3,000,000 shares without nominal or par value, provided that the said shares may not be issued for a consideration exceeding the sum of \$1,500,000 in the aggregate without further payments of the necessary additional fees required by the Treasurer of Ontario. The head office is located at Suite 203, 350 Bay Street, Toronto, Ontario.

HISTORY AND BUSINESS

The Corporation was recently incorporated for the general purpose of mining exploration and has acquired as its first venture the fifteen contiguous mining claims in Powell Township, more particularly described below. The claims are without known bodies of commercial ore and the proposed work program described herein is only exploratory in nature. There is no surface or underground plant or equipment located on the property and present management has not carried out any surface or underground exploration to date. The carrying out of exploration work on the property will depend upon the results obtained from the first stages of exploration work and also upon the funds which may be available to the Corporation depending upon the success of the financing to be carried out under this prospectus.

THE POWELL TOWNSHIP CLAIMS

The mining claims held by the Corporation (referred to hereinafter as the "Powell Township Claims") are located in the Matachewan area, Ontario. The property which is located 6 miles north-west of the Town of Matachewan is readily accessible via Highway 566 which follows along the north boundary of the property. The Powell Township Claims officially designated as Claims Numbers 329543 to 329545 inclusive and 329547 to 329558 inclusive, were staked early in February, 1972 and were recorded on February 18, 1972. The property is in good standing.

The Corporation's title to the claims is the usual title to unpatented mining claims in Ontario, namely the right to proceed under The Mining Act to explore and/or develop the claims and eventually to convert them into mining leases. This requires the performance of a total of 200 days work per claim, and the carrying out of a survey. Twenty days work per claim must be performed and recorded within the first year from the date of recording, so that the Powell Township Claims are in good standing until February 18, 1973, by which time twenty days work per claim must be performed and recorded. Forty days work per claim must be performed and recorded yearly thereafter for the next three years and sixty days work per claim must be performed and recorded in the fifth year. Thereafter and after land surveying, the claims are required to be brought to a twenty-one year lease in the ensuing year with annual rentals of \$1 per acre for the first year and 25 cents per acre thereafter. If the lease is for mining rights only, rentals for the second and subsequent years are at the rate of 10 cents per acre. Mining leases are renewable generally for succeeding twenty-one year terms.

The following is a summary of the report of J. D. McCannell, Geologist, dated April 17, 1972, on the Powell Township Claims, which report is available for inspection at the offices of the Ontario Securities Commission, 555 Yonge Street, Toronto, Ontario.

The Matachewan area has a mining history dating back to the early part of this century, but most of the work in the past has been directed to the search of gold deposits. Several sulphide occurrences including copper, lead and zinc mineralization have been reported in the area. The Young-Davidson Mines Limited and Matachewan Consolidated Mines Limited properties located in the southeast corner of Powell Township where the most important mining operations in the area and prior to closing in the late 1950's were reported to have produced a total of 956,117 ounces of gold and 165,598 ounces of silver.

The property is shown to be underlain largely by Keewatin type volcanic formations similar to those rocks known to provide the favourable host formations for the economic gold occurrences in the Matachewan area. Two sulphide showings, both carrying some copper mineralization are reported on the claims group described

herein. A contact between the volcanic formations and a granodiorite plug extends in an east-west direction through the south part of the property. Mr. McCannell has recommended that a programme of exploration work to consist of line cutting, electro-magnetic surveying, magnetometer check work and geological reconnaissance surveying be conducted over the property, as the first stage at an estimated cost of \$4,835. The second stage if considered warranted should consist of diamond drilling. 1,000 feet of diamond drilling has been estimated to cost \$10,000.

The claims were acquired by the Corporation from Harry Bregman and Stanley Mourin as vendors thereof under an agreement dated the 20th day of March, 1972 in consideration of the allotment and issue to the vendors of 750,000 fully paid and non-assessable shares of the capital stock of the Corporation. Of the said shares 10% are free and 90% are escrowed (see section headed "Escrowed Shares" for particulars of escrow). The vendors' shares were allotted by the Directors at the price of 2¢ per share. This price per share does not necessarily bear any relation to the actual worth of the properties or the costs to the vendors.

The cost to the vendors of prospecting and staking the claims was \$900. Each of the vendors had an undivided 50% interest in the claims, and accordingly received 50% of the free and escrowed shares. The agreement of March 20, 1972, referred to above, which sets out the terms of escrow also provides that if the property is abandoned on the recommendation of an independent mining geologist, the remaining escrowed shares will be donated back to the Corporation or to a Trustee of the Corporation, in either event for the benefit of the Corporation.

Harry Bregman resides at 175 Dunvegan Road, Toronto, Ontario; Stanley Mourin resides at Suite 502, Habitat 67, Cite du Havre, Montreal 103, Quebec.

Subsequently, Harry Bregman and Stanley Mourin sold the said 75,000 free shares to Gordon-Daly Grenadier Limited at 25 cents per share and the said shares form a part of the securities offered by this Prospectus. Harry Bregman, Stanley Mourin and Peter Cowie, 4501 Sherbrooke Avenue West, Montreal, Quebec, are the only persons who own more than a 5% interest in Gordon-Daly Grenadier Limited.

CAPITALIZATION

The Corporation has one class of stock authorized, namely 3,000,000 shares without par value. Of these, there are at present issued 750,005 shares, all fully paid. All shares carrying full voting rights of one vote for each share and rank equally as to dividends and participation in assets. The shares when purchased by the Underwriter-Optionee are not subject to further calls or to assessment. There are no conversion rights, special liquidation rights, pre-emptive rights or subscription rights. No dividend has been paid to date, nor is it expected that any dividend will be paid in the foreseeable future.

<u>Security</u>	<u>Authorized</u>	<u>Outstanding as of July 7, 1972</u>	<u>Amount outstanding if all securities are sold</u>
Common without par value	3,000,000	750,005 (\$15,005.00)	850,005* (\$35,005.00)

* This figure reflects only the sale of 100,000 underwritten shares. If the 112,000 shares under option are all taken up and paid for, the number of shares outstanding would be 962,005.

ESCROWED SHARES

Certificates representing 675,000 shares of the capital stock of the Corporation are held by Guaranty Trust Company of Canada in escrow, subject to release only on the prior written consents of the Board of Directors of the Corporation and the Ontario Securities Commission, and subject to transfer, hypothecation or other alienation within the escrow only on the prior written consent of such commission.

Designation of Class

Number of Shares
Held in Escrow

Percentage
of Class

Common

675,000

79.4% (1)

(1) Calculated on the basis of there being 850,005 shares issued and outstanding following the sale of 100,000 underwritten shares.

OFFERING

Treasury Shares

Pursuant to an agreement dated the 21st day of March, 1972, between the Corporation and Gordon-Daly Grenadier Limited, 350 Bay Street, Toronto, Ontario (sometimes referred to in this Prospectus as the "Underwriter-Optionee") the Corporation agreed to sell and the Underwriter-Optionee agreed to purchase 100,000 shares at 20 cents per share payable ~~within 30 days of~~ the effective date as hereinafter set forth. In consideration of the said firm underwriting, the Underwriter-Optionee was granted the right and option to purchase all or any part of an additional 112,000 shares as follows:

All or any part of 75,000 shares at 25 cents per share within three months of the effective date; and thereafter

All or any part of 37,000 shares at 30 cents per share within six months of the effective date.

The "effective date" is the third business day following the date these securities are qualified for sale in Ontario with the Ontario Securities Commission.

The Underwriter-Optionee (a security dealer) entered into the aforementioned agreement on its own behalf. The only persons having a greater than 5% interest in the Underwriter-Optionee are the said Harry Bregman, Stanley Mourin and Peter Cowie.

The parties to the said agreement understand that in the event of default or any extension of any option an amendment to this Prospectus must be filed with the Ontario Securities Commission as soon as practicable and in any event within 10 days thereof if the shares of the Corporation are then in distribution to the public.

There are no sub-underwritings or sub-options outstanding or proposed to be given at this time; however, the Underwriter-Optionee has advised that during the course of distribution to the public of the Corporation's shares, it may grant sub-underwritings or sub-options to registered security dealers who may engage in distribution to the public at a price not exceeding one cent per share in excess of the price to be paid by the Underwriter-Optionee under the provisions of the underwriting and option agreement aforesaid.

The Underwriter-Optionee has also advised that it may from time to time retain one or more other registered security dealers on an agency basis to sell or offer for sale underwritten and/or optioned shares paying such agents a commission not exceeding 25 per cent of the selling price of the shares to be sold and in addition, may pay costs and expenses of such dealers incidental to the distribution and sale of the said shares.

Other than the firm purchase of the initial 100,000 shares at 20 cents per share, there is no obligation on the Underwriter-Optionee to take up any further shares from the Corporation.

Secondary Offering

The 75,000 free vendor shares issued to Harry Bregman and Stanley Mourin (see section headed "The Powell Township Claims") and in turn sold by them to the Underwriter-Optionee are also being offered under this prospectus and will be sold to the public under any of the selling plans set forth in this prospectus or through any registered security dealer who will be acting as agent, at the usual and customary commission rates authorized by The Toronto Stock Exchange for the sale of mining shares. However, the Corporation's underwriting will be furthered by the sale of its shares to the public only to the extent that the shares are purchased from the Corporation by the Underwriter-Optionee pursuant to the aforementioned underwriting and option agreement. Proceeds of sale from the 75,000 shares will not go into the treasury of the Corporation. The said 75,000 shares will be offered only after the underwritten and optioned shares have been taken down.

USE OF PROCEEDS

The Corporation is assured of receiving \$20,000 from the firm underwriting of 100,000 shares at 20 cents per share. The proceeds from this offering will be used:

1. To pay preliminary expenses including legal and audit fees, incorporation costs and costs of filing this prospectus estimated at \$5,000.00.
2. To carry out the preliminary exploration program of line cutting and geophysical survey on its property as recommended by James D. McCannell at an estimated cost of \$4,835.00.
3. Depending upon the results of the geophysical work to carry out a diamond drilling program providing such work has been recommended by the Corporation's consultants, 1,000 feet of diamond drilling has been estimated to cost \$10,000.00.

Excess monies will form part of the general working capital of the Corporation to be used for general operating expenses. While the Corporation has no plans in this regard at the present time, monies in its treasury, as available, may also be used to defray programs of acquiring, staking, exploring and developing other properties either along or in concert with others and to generally carry out explorational programs as opportunity and finances may permit. However, monies will not be expended on any new properties acquired, monies will not be advanced to other corporations except to the extent necessary to enable the Corporation to implement the foregoing proposed programs and monies will not be invested in securities other than those permitted by law for trustees without an Amendment to this Prospectus being filed if the securities of the Corporation are then in the course of distribution to the public.

DIRECTORS, OFFICERS AND MANAGEMENT

The principal occupations of each of the officers and directors during the past five years are as follows:

- | | |
|---------------------------------------|--|
| President and Director..... | IRWIN ARTHUR WALLACE, is a self-employed Notary Public and Insurance and Real Estate Broker, 330 Bay Street, Toronto, and also acts as an officer and/or director of several mining companies, including Blackwater Mines Limited, Newrich Explorations Limited and Richan Explorations Limited. |
| Secretary-Treasurer and Director..... | TERRY SOKOLOFF, 749 Steeles Avenue West, Unit 25, Willowdale, Ontario, Occupation, Accountant. Previously employed by Laventhol Krekstein Horwath & Horwath, Chartered Accountants, Toronto, Ontario. Presently employed by Shlesinger Corporate Services Limited, 350 Bay Street, Toronto, Ontario, and is also an officer and/or director of several mining companies, including Richan Explorations Limited, Iron Cliff Mines Limited and Great Eagle Explorations Limited. |
| Director..... | GERARD FRANCIS FLAHERTY, Ph.D., R.R. #1, Terra Cotta, Ontario, Consulting Geologist. Dr. Flaherty is also a director of Zurich Explorations Limited and Ideal Bay Explorations Limited. |
| Director..... | CRAWFORD McARTHUR COOK, 2911 Bayview Avenue, Apartment 208L, Willowdale, Ontario. Mr. Cook is presently retired. He was previously a building supervisor. He is also a director and/or officer of several mining companies, including Black Bay Uranium Limited, Ideal Bay Explorations Limited and East Rock Explorations Limited. |
| Director..... | PETER ELVIN PRICE, 19 Coronado Court, Weston, Ontario, is presently the Supervisor of Stores of the Department of Housing of the Municipality of Metropolitan Toronto and director and/or officer of several mining companies including North Expo Mines Limited and Blackwater Mines Limited. |

REMUNERATION OF DIRECTORS AND SENIOR OFFICERS

No fees have been paid to directors or officers since the incorporation of the Corporation. During the current financial year directors will be paid the sum of \$50 each for each meeting attended.

No remuneration is intended to be paid to officers as such.

The Corporation proposes to engage Shlesinger Corporate Services Limited, Suite 203, 350 Bay Street, Toronto, Ontario, professional corporate secretaries, to provide head office administration, accounting and secretarial services for the Corporation at a rate not to exceed \$300 per month. The only person having a greater than 5% interest in Shlesinger Corporate Services Limited is Hanna Shlesinger, 41 Elderwood Drive, Toronto, Ontario, Terry Sokoloff, a director and secretary-treasurer of the Corporation, is also a director and employee of Shlesinger Corporate Services Limited.

PROMOTERS

Harry Percy Bregman, 175 Dunvegan Road, Toronto, Ontario, and Stanley Mourin, Suite 502, Habitat 67, Cite du Havre, Montreal 103, Quebec, are the Promoters of the Corporation, each of whom received shares from the Corporation as consideration for the Powell Township Claims.

INTEREST OF MANAGEMENT

As referred to under the heading "The Powell Township Claims" the Corporation purchased its present property from its Promoters, Harry Bregman and Stanley Mourin. In addition, Harry Bregman and Stanley Mourin are the principal shareholders of Gordon-Daly Grenadier Limited, which is the Underwriter-Optionee of the Corporation's shares as described herein under the heading "Offering". Other than as aforesaid, no officer, director or insider of the Corporation has or has had any material interest in any transaction.

MATERIAL CONTRACTS

The material contracts entered into by the Corporation from inception to the date hereof, are as follows:

1. Agreement dated March 20, 1972, for the purchase of the Powell Township Claims from Harry Bregman and Stanley Mourin fully described under the heading "The Powell Township Claims".
2. Agreement dated March 21, 1972, between the Corporation and Gordon-Daly Grenadier Limited providing for the underwriting and option of treasury shares, fully described herein under the heading "Offering".

During primary distribution of the securities offered under this prospectus, copies of the said agreements may be inspected at the head office of the Corporation during normal business hours.

PRINCIPAL HOLDERS OF SECURITIES

<u>Name and Address</u>	<u>Designation of Class</u>	<u>Type of Ownership</u>	<u>Number of Shares Owned</u>	<u>Percentage of Class (1)</u>
Harry Bregman, 175 Dunvegan Road, Toronto, Ontario.	Common	Beneficial and of Record	337,500	45%
Stanley Mourin, Suite 502, Habitat 67, Cite du Havre, Montreal 103, P.Q.	Common	Beneficial and of Record	337,500	45%
Gordon-Daly Grenadier Limited, 350 Bay Street, Toronto, Ontario.	Common	Beneficial and of Record	75,000	10%

(1) Calculated on the basis of 750,005 shares issued and outstanding as of the date hereof.

TRANSFER AGENT AND REGISTRAR

Guaranty Trust Company of Canada, 88 University Avenue, Toronto, Ontario, is the Transfer Agent and Registrar of the Corporation.

AUDITORS

Laventhol Krekstein Horwath & Horwath, Chartered Accountants, 700 Richmond-Adelaide Centre, 120 Adelaide Street West, Toronto, Ontario, are the auditors of the Corporation.

PURCHASER'S STATUTORY RIGHT OF WITHDRAWAL AND RESCISSION

The Securities Act (Ontario) provides, in effect, that where a security is offered to the public in the course of primary distribution:

- (a) a purchaser will not be bound by a contract for the purchase of such security if written or telegraphic notice of his intention not to be bound is received by the Vendor or his agent not later than midnight on the second business day after the prospectus or amended prospectus offering such security is received or is deemed to be received by him or his agent, and
- (b) a purchaser has the right to rescind a contract for the purchase of such security, while still the owner thereof, if the prospectus or any amended prospectus offering such security contains an untrue statement of a material fact or omits to state a material fact necessary in order to make any statement therein not misleading in the light of the circumstances in which it was made, but no action to enforce this right can be commenced by a purchaser after the expiration of 90 days from the later of the date of such contract or the date on which such prospectus or amended prospectus is received or is deemed to be received by him or his agent.

Reference is made to Sections 64 and 65 of The Securities Act, (Ontario) for the complete text of the provisions under which the above mentioned rights are conferred.

NAUTILUS EXPLORATIONS LIMITED

(Incorporated under the laws of the Province of Ontario)

BALANCE SHEET — MARCH 21, 1972

ASSETS

Cash	\$ 5
15 unpatented mining claims in the Township of Powell, Larder Lake Mining Division, Ontario, at valuation attributed to 750,000 shares of capital stock to be issued therefor	15,000
Organization expenses — estimated	<u>5,000</u>
	<u>\$20,005</u>

LIABILITIES

Estimated liabilities for organization expenses	\$ 5,000
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SHAREHOLDERS' EQUITY

Capital:

Authorized:

3,000,000 Shares, no par value

Allotted — to be issued:

5 Shares for cash

\$ 5

750,000 Shares for mining claims

15,000

750,005 Shares

15,005

\$20,005

See accompanying notes.

Approved on behalf of the Board of Directors:

“IRWIN ARTHUR WALLACE”, Director

“TERRY SOKOLOFF”, Director

AUDITORS' REPORT

To the Directors of
Nautilus Explorations Limited

We have examined the above balance sheet of Nautilus Explorations Limited as at March 21, 1972 and in connection therewith reviewed such supporting evidence as we considered necessary in the circumstances.

In our opinion the above balance sheet presents fairly the financial position of the Company as at March 21, 1972 in accordance with generally accepted accounting principles.

July 7, 1972
Toronto, Ontario

LAVENTHOL KREKSTEIN HORWATH & HORWATH,
Chartered Accountants.

NAUTILUS EXPLORATIONS LIMITED

NOTES TO BALANCE SHEET

MARCH 21, 1972

1. By an agreement dated March 21, 1972, an underwriter has agreed to purchase 100,000 shares of the Company's capital stock at 20¢ per share payable within three business days of the date a prospectus of the Company is accepted for filing by the Ontario Securities Commission (the "effective date").
In consideration for the firm purchase, the Company granted the underwriter an option to purchase all or any part of an additional 112,000 shares of capital stock exercisable as follows:
75,000 shares at 25¢ per share within 3 months of the "effective date"
37,000 shares at 30¢ per share within 6 months of the "effective date".
2. A statement of source and application of funds has not been prepared because the Company is newly incorporated and expenses to date are estimated only.

There are no other material facts.

DATED this 7th day of July, 1972.

The foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this prospectus as required by Part VII of The Securities Act, and the regulations thereunder.

"I. A. WALLACE"
Chief Executive Officer

"TERRY SOKOLOFF"
Chief Financial Officer

"C. M. COOK"
Director

"G. F. FLAHERTY"
Director

PROMOTERS

"H. P. BREGMAN"

"S. MOURIN"

To the best of our knowledge, information and belief the foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this prospectus as required by Part VII of The Securities Act, and the regulations thereunder.

UNDERWRITER-OPTIONEE

GORDON-DALY GRENADIER LIMITED

Per: "H. P. BREGMAN"



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REPORT ON
NAUTILUS EXPLORATIONS LIMITED
POWELL TOWNSHIP,
MATACHEWAN AREA,
ONTARIO.

April 17, 1972.

J. D. McCANNELL

Nautilus Explorations Limited
Suite 203, 350 Bay Street
Toronto, Ontario

SUMMARY

The property discussed in this report includes a group of fifteen mining claims located in the northwest corner of Powell Township, Matachewan area, Ontario. The Matachewan area has a mining history dating back to the early part of this century, but most of the work in the past has been directed to the search for gold deposits. Several sulphide occurrences including copper lead and zinc mineralization have been reported in the area, and the locations of some are shown on published geological maps. The Young-Davidson Mines Limited and Matachewan Consolidated Mines Limited properties located in the southeast corner of Powell Township were the most important mining operations in the area and prior to closing in the late 1950's, were reported to have produced a total of 956,117 ounces of gold and 165,598 ounces of silver.

The claims group discussed in this report, is shown on published geological maps, to be underlain largely by Keewatin type volcanic formations similar to those rocks known to provide the favourable host formations for the economic gold occurrences in the Matachewan area. Two sulphide showings, both carrying some copper mineralization are reported on the claims group described herein. A contact between the volcanic formations and a granodiorite plug extends in an east-west direction through the south part of the property.

It is recommended that a program of exploration work be carried out on this property. The initial phase of this work should consist of line-cutting, followed by a

reconnaissance geological examination and geophysical survey. The geophysical survey should consist of an electromagnetic survey over the entire claims group and magnetometer work to check any conducting zones. Consideration to diamond drill should await the results of the geological and geophysical work, but allowance should be made for a minimum of one thousand feet of diamond drilling as the second stage of the exploration program. The estimated cost of both stages is as follows:

STAGE I

Line-cutting 21 miles @ \$85.00 per mile	\$1,785.00	
EM survey 20 miles @ \$95.00 per mile	1,900.00	
Magnetometer survey 5 miles @ \$70.00 per mile	350.00	
Geological reconnaissance survey	<u>800.00</u>	\$4,835.00

STAGE II

Diamond drilling 1,000 feet @ \$10.00 per foot		<u>10,000.00</u>
Total for stage I and stage II		\$14,835.00

PROPERTY, LOCATION AND ACCESS

The property described in this report comprises a group of fifteen contiguous mining claims located in Powell Township, District of Timiskaming, Ontario. The immediate area of Powell Township is generally referred to as the Matachewan area.

The town of Matachewan, located at the southeast corner of Powell and southwest corner of Cairo Townships, is thirty miles west of Kirkland Lake. Matachewan can be reached via Highway 66 from Kirkland Lake or Highway 65 from New Liskeard. The claims group is located six miles northwest of the town of Matachewan and is readily accessible via Highway 566 which follows along the north boundary of the property.

The claims included in the group are further described as follows: 329543 to 329545 and 329547 to 329558 inclusive.

TOPOGRAPHY

The topography of the immediate area of the claims group is characterized by fairly flat drift covered terrain with a few scattered outcrop hills. The area was logged several years ago and is now covered with a second growth of small timber. A fairly large stream flows in an easterly direction through the claims group. A small lake or pond is located in the south central part of the property.

GENERAL GEOLOGY

The general geology of Powell Township is shown in considerable detail on the Powell and Cairo Townships sheet, map No. 2110, published by the Ontario Department of Mines in 1967 on the scale of 1 inch to 1/2 mile. This sheet accompanies Geological Report 51, Geology of the Matachewan Area.

The rocks underlying Powell Township are all of Precambrian age and include a wide range of volcanic, sedimentary and intrusive formations. The oldest rocks are classified as Keewatin Volcanics and include both acid and basic type flows with associated pyroclastics.

The volcanic rocks are overlain by two different ages of sedimentary rocks and include Gowganda formations of the Cobalt group and Pre-Huronian Timiskaming sediments. These volcanic and sedimentary rocks have been subjected to a wide range of intrusive activity.

The Timiskaming sediments overly the volcanic rocks and include conglomerate greywacke, argillite quartzite and arkose.

The volcanic and early sedimentary formations have been intruded by dikes, sills and plugs of Haileyburian diorite and serpentized basic rocks, Algoman granite and Matachewan diabase.

The Gowganda sediments are confined mostly to the south part of Powell Township and overly the Keewatin Volcanics and Timiskaming sediments. They include agrillite, quartzite, arkose and conglomerate. These younger sediments as well as the older sediments and volcanic rocks are cut by narrow dikes of Nipissing diabase.

Several faults are shown on map 2110 to traverse the general Matachewan area with the major structures striking in a general north-south direction. Numerous gold and sulphide occurrences are also shown on this geological map. This mineralization appears to favour the Volcanic formations but some also occur in the sedimentary and intrusive rocks. The sulphide mineralization consists largely of pyrite and pyrrhotite with some chalcopyrite, galena, sphalerite and molybdenite. The area has produced a considerable quantity of gold, but no economic deposits of base metals have been reported to date.

The claims group discussed in this report is shown on map no. 2110 to be largely underlain by volcanic formations, with a contact between these rocks and algoman granite extending in an east-west direction through the extreme south part of the property. Some narrow dikes of Matachewan diabase have also been mapped on this ground. Two small sulphide occurrences consisting of pyrite and pyrrhotite with minor amounts of chalcopyrite have been observed on the claims group, one in the north part of claim 329547 and the other in the south part of claim 329552.

CONCLUSIONS AND RECOMMENDATIONS

The Matachewan area has attracted mining interest since the early part of this century when gold was first reported along the Montreal River. Although several sulphide occurrences are known in the area, almost all the exploration activity carried out in the past has been directed to the development of gold deposits. The area is readily accessible, the geology can be considered favourable and like many of the former gold camps in the country, it can anticipate a revival of mining exploration activity with the new interest directed to the search for base metals.

The claims group discussed in this report is largely underlain by volcanic rocks. Much of the ground is drift covered but there are sufficient rock exposures to permit a fairly detailed geological examination. It is recommended that a program of geophysical surveying with some geological reconnaissance work be carried out on the ground. Consideration to diamond drill should await the results of this initial work, but allowance should be made for a minimum of 1,000 feet of drilling as the second stage of the exploration program. The estimated cost of both stages is as follows:

STAGE I

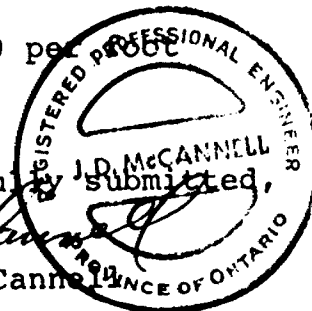
Line-cutting 21 miles @ \$85.00 per mile	\$1,785.00	
EM survey 20 miles @ \$95.00 per mile	1,900.00	
Magnetometer survey 5 miles @ \$70.00 per mile	350.00	
Geological reconnaissance survey	800.00	\$4,835.00

STAGE II

Diamond drilling 1,000 feet @ \$10.00 per foot		<u>10,000.00</u>
Total for stage I and stage II		<u>\$14,835.00</u>

Respectfully submitted,

J. D. McCannell
J. D. McCannell



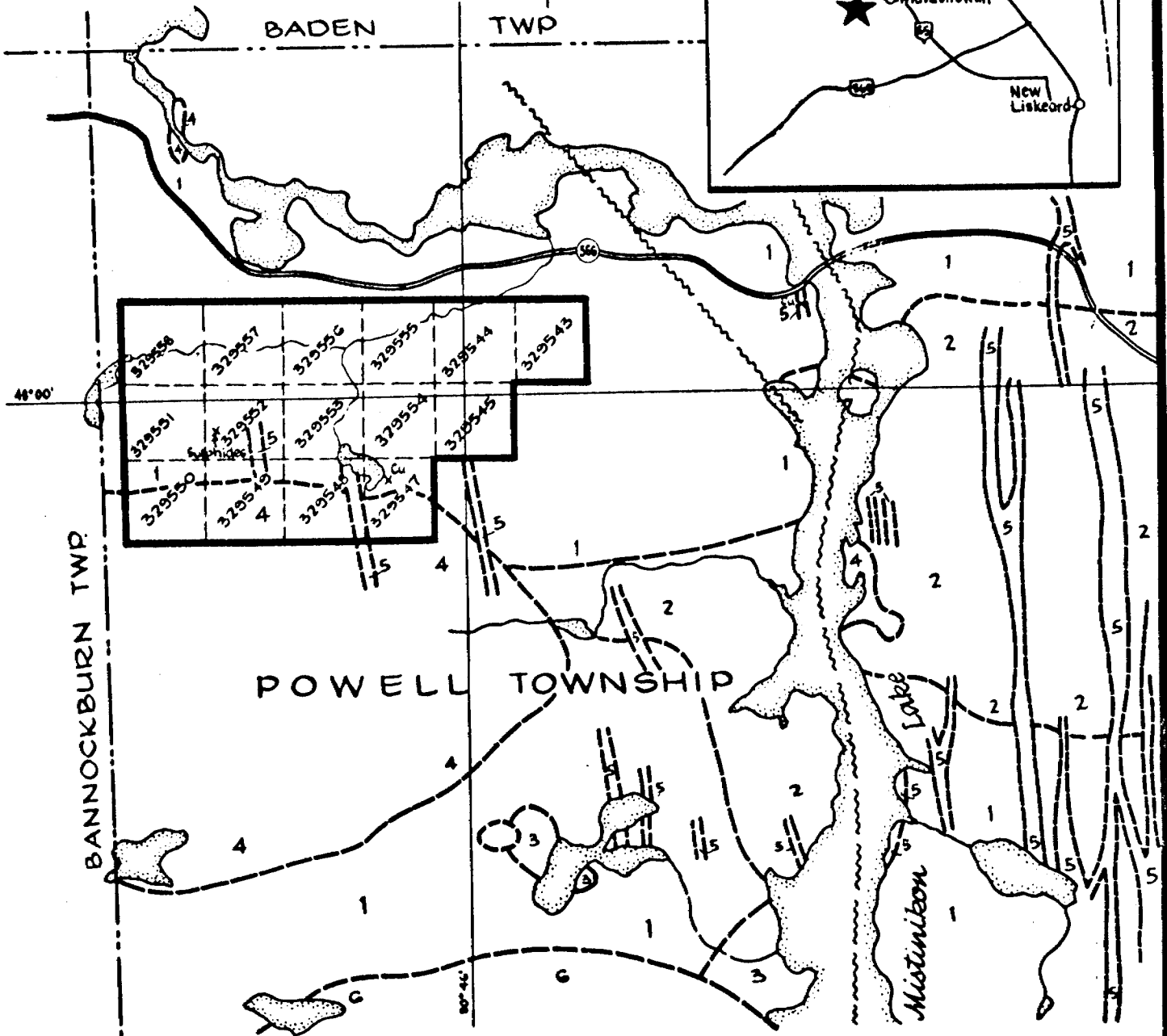
April 17, 1972
Toronto, Ontario.

J. D. McCANNELL.

- 6 Gowganda Sediments
- Matachewan Diabase
- 4 Algonian Granite
- 3 Haileyburian Serpentinite
- 2 Timiskaming Sediments
- 1 Keewatin Volcanics



Key Map



Claims Location and Geology Map

NAUTILUS EXPLORATIONS LIMITED

POWELL TOWNSHIP, TIMISKAMING DISTRICT, ONTARIO.

Scale: 1 inch to 1/2 mile

J. W. Lamont