

# Midland Begins a Major Exploration Program for Nickel in Nunavik, Quebec Under Its Strategic Alliance With BHP

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MONTREAL, March 21, 2023 - [Midland Exploration Inc.](#) ("Midland") (TSX-V: MD) is pleased to announce the commencement of a major exploration program for nickel in Nunavik, following up on exploration work carried out from 2020 to 2022 during which new Ni-Cu-Co mineral occurrences were discovered.

This new program totalling C\$3,400,000 will be conducted under the strategic alliance (the "Alliance") executed in August 2020 between Midland's wholly owned subsidiary, Midland Base Metals Inc., and Rio Algom Limited, wholly owned subsidiary of BHP Group PLC ("BHP").

The 2023 exploration program will focus on a major crustal-scale structure that has been identified in the regional magneto-telluric ("MT") surveys performed in 2022. This structure, previously poorly recognised is deemed favorable for nickel-copper mineralization. The 2023 program will consist of a 1,534 samples lake sediment survey, an airborne Z-Tipper axis electromagnetic survey ("ZTEM") as well as two phases of mapping and prospecting scheduled to take place next July and August.

## Highlights:

- *Regional MT surveys completed in 2022 identified a major crustal-scale structure in a poorly explored area, that is deemed favorable for nickel-copper mineralization.*
- *New Ni-Cu-Co mineral occurrence discovered by prospecting in 2022.*
- *Lake sediment survey totalling approximately 1534 samples to be done in July 2023.*
- *Helicopter-borne Z-Tipper axis electromagnetic survey (ZTEM) totalling approximately 8900 line-kilometers to be done in July 2023.*
- *Prospecting and mapping (July-August 2023).*

New Ni-Cu-Co showing identified in 2022.

The Alliance with BHP for nickel exploration is focused on mafic intrusive rocks with troctolite/olivine gabbro compositions similar to those in Voisey's Bay and the Nain Province, but that have historically received far less exploration in Quebec, despite the discovery of several Ni-Cu-Co prospects and occurrences. The Papavoine Ni-Cu-Co prospect, discovered in 2000 and currently held by Midland for the benefit of the Alliance Agreement, graded up to 0.63% Ni, 0.31% Cu and 0.04% Co over 6.6 metres in channel samples (see *Midland's press release dated August 12, 2021*). Approximately 20 kilometres southeast of Papavoine, the Mantas intrusion yielded grades up to 0.48% Ni, 0.21% Cu and 0.06% Co over 0.7 metre in channel sample (see *Midland's press release dated August 12, 2021*).

In 2022, work by Midland and BHP also confirmed an additional area with strong potential, called Target 22. Grab samples at Target 22 returned up to 0.81% Ni, 0.22% Cu and 0.19% Co.

Regional MT surveys completed in 2022.

Regional MT surveys covering approximately 230 stations in three blocks have been completed in 2022 within the area of interest of the Alliance. Consistent with a Mineral Systems Framework approach, the objective of the surveys was to identify structures that could have channeled nickel-bearing mafic intrusions from the mantle to the upper crust. A major crustal-scale structure (Abloviak shear zone) is obvious at the Voisey's Bay Ni-Cu-Co mine in Labrador and is interpreted to be critical in the genesis of the deposit. The 2022 MT surveys successfully identified a major crustal-scale structure that is interpreted to cross the whole

area of interest. This structure is a high priority target for nickel-copper mineralization. The structure is located in a poorly explored zone of the area of interest and will be the primary focus of exploration in 2023.

#### Lake sediment survey in July 2023

A high-density lake sediment survey that will consist in approximately 1534 samples will be performed in July 2023 to cover the crustal-scale structure identified in the 2022 MT survey. The lake sediment survey will be analyzed by a portable XRF device so that field follow-up of anomalies can be done during the prospecting campaigns.

#### ZTEM electromagnetic survey in July 2023

A Z-Tipper axis electromagnetic survey (ZTEM) will also be done on the crustal-scale structure. The survey will help define the location and orientation of the structure near the surface as well as potentially identify conductive features that could be caused by nickel-copper mineralization.

#### Prospecting program in July and August 2023

Two phases of prospecting and mapping within the area of interest will be completed during July and August 2023. Over a period of four-five (4-5) weeks total, these field programs will mainly target the crustal-scale structure, and more specifically any nickel-copper lake sediment anomalies or ZTEM anomalies.

A budget of C\$3.4 million has been approved for the 2023 prospecting campaign, ZTEM and lake sediment surveys.

#### Cautionary statements:

Note that grades obtained in grab samples are not necessarily representative of mineralized zones.

The true thickness of intervals reported in channel samples cannot be determined with the information currently available.

Mineralization occurring in the Voisey's Bay area in Labrador is not necessarily indicative of mineralization that may be found on the Company project described in this press release.

#### Quality control

Exploration programs are designed, and results are interpreted by Qualified Persons employing a Quality Assurance/Quality Control program consistent with industry best practices, including the use of standards and blanks for every 20 samples. All samples are analyzed for multi-elements, using the four-acid ICP-MS method (ME-MS61) at ALS Minerals laboratories in Vancouver, British Columbia. Samples with copper, zinc, molybdenum or nickel values above 1% are reanalyzed using the four-acid ICP-AES method optimized for high grades.

#### About Midland

Midland targets the excellent mineral potential of Quebec to make the discovery of new world-class deposits of gold and critical metals. Midland is proud to count on reputable partners such as BHP Canada Inc., Rio Tinto Exploration Canada Inc., [Wallbridge Mining Company Ltd.](#), Probe Gold Inc., Agnico Eagle Mines Limited, Osisko Development Corp., SOQUEM Inc., [Brunswick Exploration Inc.](#), Nunavik Mineral Exploration Fund, and [Abcourt Mines Inc.](#) Midland prefers to work in partnership and intends to quickly conclude additional agreements in regard to newly acquired properties. Management is currently reviewing other opportunities and projects to build up the Corporation portfolio and generate shareholder value.

This press release was reviewed and approved by Mario Masson, P.Geo., VP Exploration for Midland and Qualified Person as defined by NI 43-101, who also approved the technical content of this press release.

For further information, please consult Midland's website or contact:

Gino Roger, President and Chief Executive Officer  
Tel.: 450 420-5977  
Fax: 450 420-5978  
Email: [info@midlandexploration.com](mailto:info@midlandexploration.com)  
Website: [www.midlandexploration.com](http://www.midlandexploration.com)

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#### Forward-looking Information

This news release contains forward-looking statements and forward-looking information (together, "forward-looking statements") within the meaning of applicable securities laws. Forward-looking statements include the funding under the Generative Phase, the advancement of a project to the Testing Phase, the expenditure amount under the Testing Phase, the payment of success fees to Midland, the advancement of a project to the Joint Venture Phase and other estimates and statements that describe Midland's future plans, objectives or goals, including words to the effect that Midland or management expects a stated condition or result to occur. All statements, other than statements of historical facts, are forward-looking statements. Forward-looking statements involve risks, uncertainties and other factors that could cause actual results, performance, prospects and opportunities to differ materially from those expressed or implied by such forward-looking statements. Factors that could cause actual results to differ materially from these forward-looking statements include, without limitation, certain rights of BHP to cease funding under the Alliance, the results of exploration in the AOI, the ability of Midland to contribute funding to maintain its interests in Designated Projects, the ability of Midland to fund its contributions under a joint venture, if formed, or have any participating interest diluted, changes in general economic conditions and conditions in the financial markets, changes in demand and prices for minerals, failure to obtain the requisite permits and approvals from government bodies and third parties, regulatory and governmental policy changes (laws and policies) and those risks set out in Midland's public documents, including in each management discussion and analysis, filed on SEDAR at [www.sedar.com](http://www.sedar.com). Although Midland believes that the assumptions and factors used in preparing the forward-looking statements are reasonable, undue reliance should not be placed on these statements, which only apply as of the date of this news release, and no assurance can be given that such events will occur in the disclosed times frames or at all. Except where required by applicable law, Midland disclaims any intention or obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

Figure 1 accompanying this announcement is available at  
<https://www.globenewswire.com/NewsRoom/AttachmentNg/691983fa-37f4-43be-bcf1-1b18217bf380>

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