



Matador Mining Commences its 2023 Exploration Program

Matador Mining Limited (ASX:MZZ / OTCQB:MZZMF / FSE:MA3) (“Matador” or the “Company”) is pleased to announce the commencement of its 2023 exploration program in Newfoundland, Canada. The Company continues to focus its exploration efforts on making Greenfields discoveries along the Cape Ray Shear Zone (“CRSZ”) and Hermitage Flexure with a primary focus on the Malachite target area.

The 2023 exploration program will also include activities at the Long Range and Grandy’s target (formerly Benton target¹) areas along the CRSZ, in the resource corridor for targeted extensions to the brownfields mineral resource, and Greenfields exploration at Hermitage. The Company expects to use several exploration tools and techniques including diamond drilling, basal-till / bottom-of-hole sampling, Induced Polarised (“IP”) geophysics and prospecting, mapping and sampling.

Matador’s Managing Director and CEO, Sam Pazuki Comments

“We are very excited to announce the start of our 2023 exploration program in Newfoundland. We have kicked off our program with prospecting, mapping and sampling at Hermitage where last year’s prospecting, while spanning only five days, yielded highly encouraging results. This included high-grade gold samples in outcrop ² as announced last week. Prospecting at Hermitage will continue for the duration of the Canadian summer with plans to carry-out initial basal-till/bottom-of-hole sampling in early 2024.”

“The Company will continue to focus most of its exploration activities on the Malachite target area. This area spans an area larger than that of Marathon Gold’s five million ounce plus resource at Valentine Lake and is on the same geological structure. We have only really scratched the surface at Malachite and already delivered encouraging results. The work we completed last year continues to tick the right boxes in our efforts to find the source of the significant mineralisation delineated on surface, in bedrock and float gold samples, and from the very limited diamond drilling that confirmed gold in basement. This drilling program was curtailed in late 2022 due to weather and we will return there in the coming weeks to test specific structural and lithological targets in two planned phases

¹ ASX Announcement 18 November 2021

² ASX Announcement 18 May 2023

of diamond drilling during this field season. Diamond drilling is only one of a variety of exploration approaches we have planned at Malachite for 2023. Our approach will continue to be evolved and fine-tuned over the course of the year as we receive results of our work.”

“In addition to Malachite, the Company will undertake exploration activities at Long Range, a target area located only seven kilometres from the town of Port-aux-Basques, the location of the Company’s field office and a major seaport. Prospecting in 2022 discovered anomalous gold samples eight kilometres along strike from historic multigram gold samples all hosted within the same Windsor Point Group that hosts all our known Mineral Resources at Cape Ray. The Company expects to complete reconnaissance diamond drilling and additional prospecting at Long Range for 2023.”

“Finally, the Company will continue to take a systematic approach to exploration in order to vector in on drill ready targets. This considered approach is designed to ensure appropriate return on investment decisions are made based on the quality of results that in turn maximises the impact of more costly diamond drilling – metres drilled is not a key performance indicator for the Company. Our approach is to have measures that focus in on gold discovery versus a focus on pure activity physicals. We place our decision-making process on long-term decisions, not on short-term market considerations. We are well funded to carry-out a meaningful exploration program in 2023, which is designed to create real, long-term value for the business. This is an exciting time for the business.”

2023 Diamond Drilling

For 2023, the Company’s diamond drill program will be conducted in two phases with the first phase planned for 2,000 to 3,000 metres of diamond drilling primarily at Malachite to test structural and lithological targets and complete last year’s diamond drill program that was curtailed early due to inclement weather. With mineralisation typically shallow along the CRSZ, each drill hole is expected to range between 100 and 200 metres in depth.

In addition to Malachite, the Company is planning diamond drilling at the Long Range and Grandy’s targets respectively. Both these areas have been classified as high-priority advanced Greenfields targets. Long Range drilling is planned proximal to the historic, multigram gold outcrops confirmed by 2022 prospecting and highlighted in a recent release³. After an internal review of the Company’s 2021 Power Auger campaign at Grandy’s⁴, a high-priority target has been identified within a favourable structural position like that of the Isle aux Morts deposit⁵, four kilometres to the southwest (**FIGURE 1**).

³ ASX Announcement 23 February 2023

⁴ ASX Announcement 18 November 2021

⁵ ASX Announcement 17 February 2021

Finally, following ongoing updates to the Cape Ray Gold Project Mineral Resources, the Company has identified key areas of interest within the resource corridor worthy of follow-up diamond drilling. The Company may include diamond drilling at these targets while awaiting assay results for Malachite and Long Range.

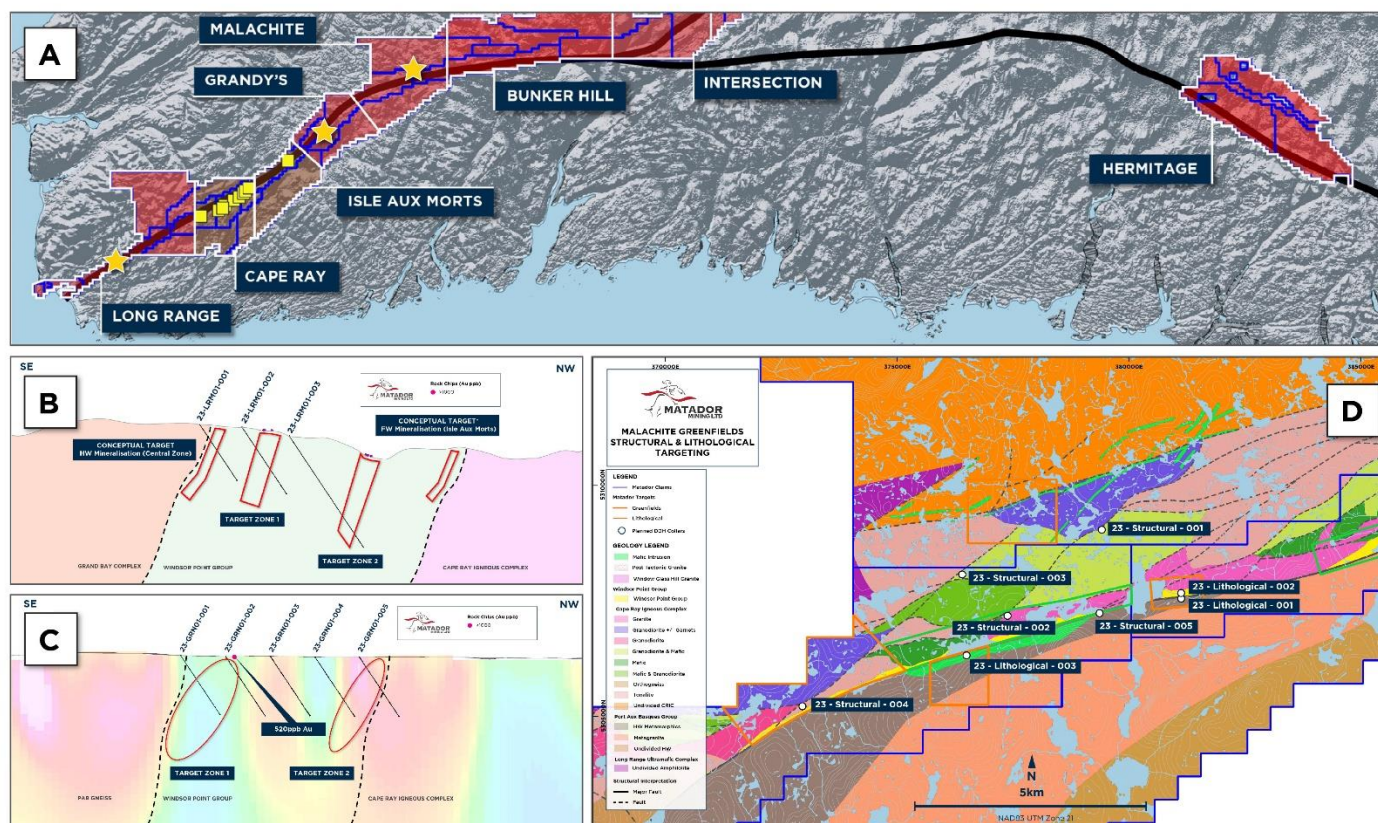


FIGURE 1: SUMMARY OF 2023 PHASE 1 DIAMOND DRILL TARGETS. GENERAL VIEW OF TARGET LOCALITY (A). CONCEPTUAL CROSS-SECTION OF THE LONG RANGE TARGET (B). CONCEPTUAL CROSS-SECTION OF THE GRANDY'S TARGET (C). OVERVIEW OF THE MALACHITE LITHOLOGICAL AND STRUCTURAL HOLES (D).

A second phase of diamond drilling is planned for the summer of 2023 and this drilling will be guided by the results from the first phase of drilling. The diamond drill program is effectively scalable and the Company has the capacity to increase the amount of diamond drilling.

Prospecting

Similar to 2022, the Company will continue extensive prospecting, mapping and sampling to add to its pipeline of exploration targets within the CRSZ and Hermitage areas and to delineate high-priority drill-ready targets. For 2023, much of the prospecting efforts will focus on Hermitage to identify specific areas of interest to target for basal-till/bottom-of-hole sampling, building on the results identified from a brief reconnaissance survey in 2022⁶. The

⁶ ASX Announcement 18 May 2023

Company is planning the use an RC drill rig at Hermitage in early 2024 with winter snow cover allowing for easier ground access.

Geophysics

For 2023, the Company is planning an IP geophysical survey over the entire MAL02 target area to better delineate drill targets in the hangingwall of the CRSZ. This IP geophysical survey is planned to commence parallel to the first phase of the diamond drilling. The MAL02 area is situated south of the CRSZ in the structural hanging wall. MAL02 consists of the largest gold-in-till geochemical anomaly defined from the 2021 till survey⁷ and is upwards of 500 by 1,000 metres in size. The area is typified by large areas of overburden and dense vegetation.

Limited drilling at MAL02 intersected gold mineralisation for the first time in the hangingwall of the CRSZ⁸. The anomalous gold is hosted within discrete centimetre-wide quartz-carbonate veins, often associated with visible chalcopyrite. Discrete alteration selvages surround these veins, and the mineralisation is observed to be hosted in a fractured, veined, and previously unidentified granite suite. The planned survey will also span the Windsor Point Group confirmed from 2022 mapping campaigns⁹ (FIGURE 2).

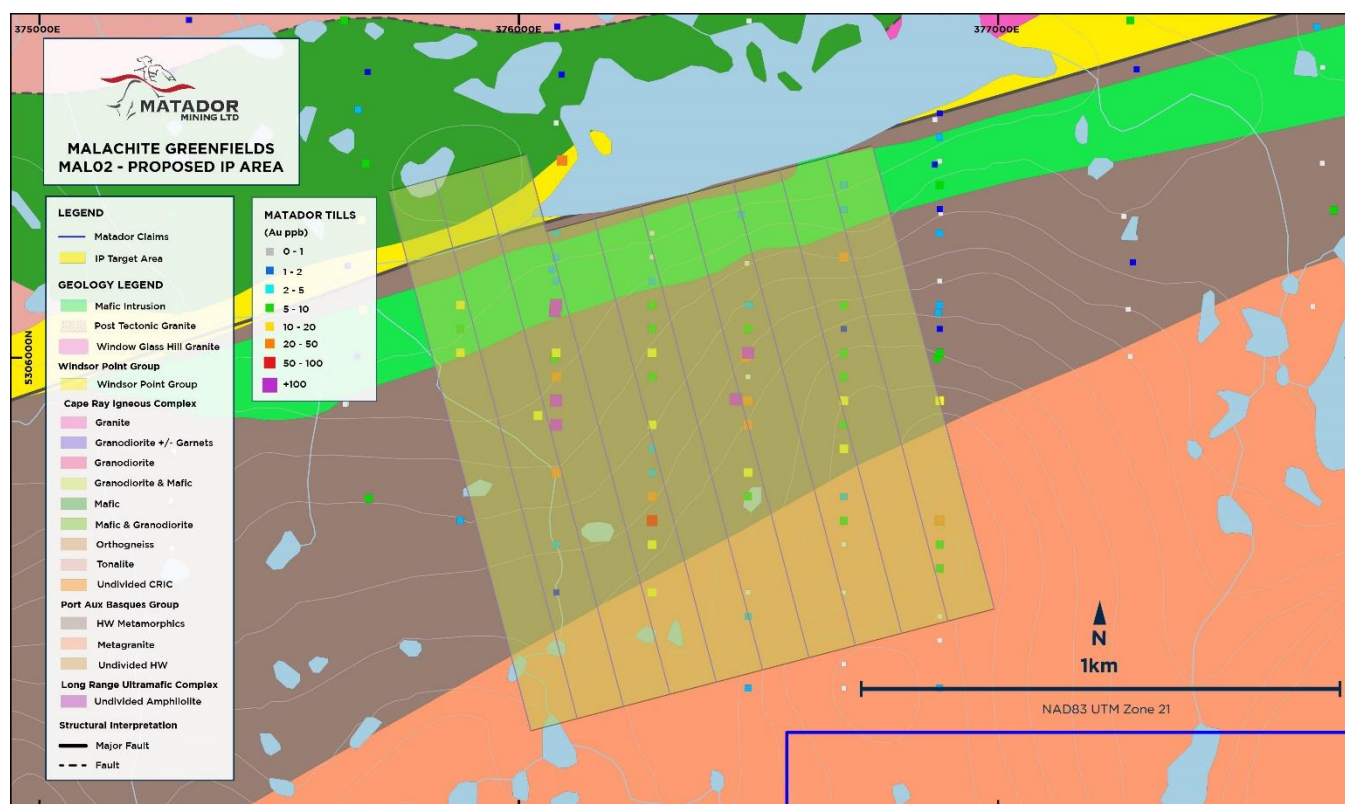


FIGURE 2: PLANNED IP SURVEY GRID AT THE MAL02 TARGET

⁷ ASX Announcement 12 December 2022

⁸ ASX Announcement 25 January 2023

⁹ ASX Announcement 12 December 2022

Additionally, the Company is planning an IP geophysical survey over the BHL01 target at Bunker Hill (**FIGURE 3**). The BHL01 target consists of both historical and recently acquired prospecting samples grading upwards of 18.67g/t Au along 2.5 kilometres of strike. Vein textures and mineralogy are consistent across all the sampled sites, indicating the potential for a larger continuous mineral system under cover¹⁰.

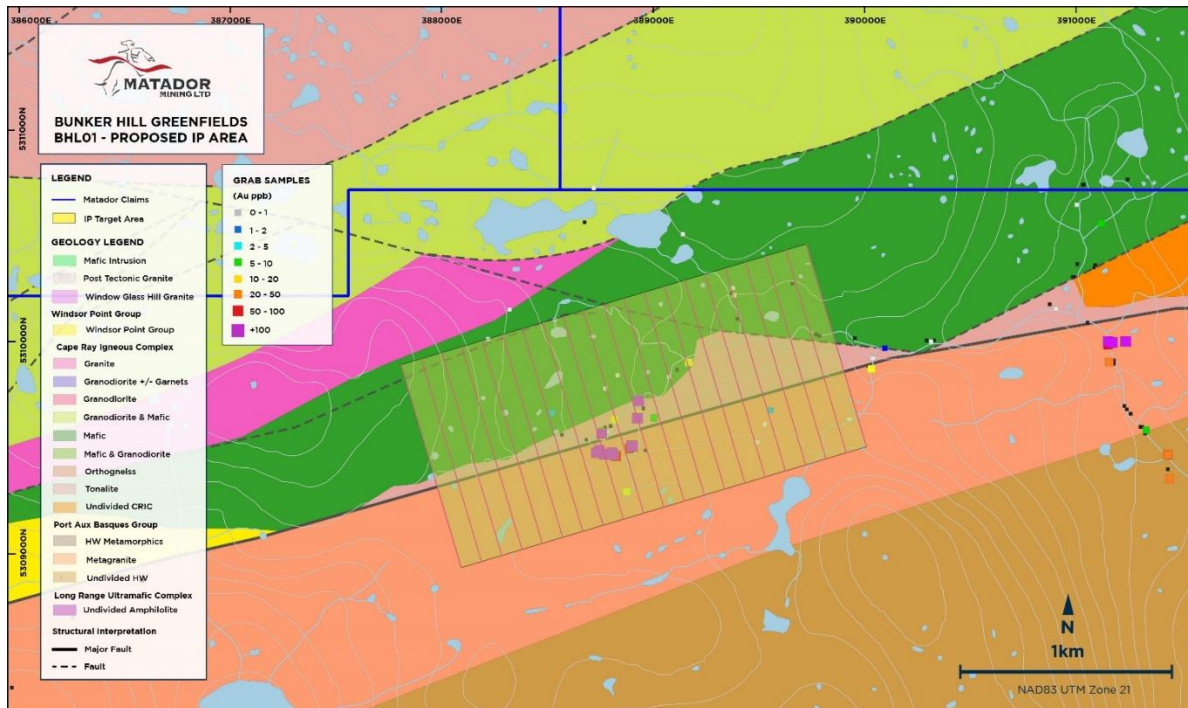


FIGURE 3: PLANNED IP SURVEY GRID AT THE BHL01 TARGET

¹⁰ ASX Announcement 22 March 2023

Other

As previously mentioned, the Company is in the process of updating its Mineral Resource estimates to incorporate approximately 37,000 metres of drilling in the resource corridor since the last resource was published in May 2020. This drilling spanned 2020 to April 2022 before the change in strategy to focus on Greenfield exploration. Unlike the current JORC Mineral Resource, the updated Mineral Resource will be constrained by optimised open pit shells to better comply with requirements of Reasonable Prospects of Eventual Economic Extraction (RPEEE). This will be Matador's first reported pit-constrained Mineral Resource however, the Company's 2020 Preliminary Economic Study¹¹ assumed 504,000 of mineable gold ounces. The Company expects to release the results of the updated Mineral Resource before the end of the first half of 2023.

This announcement has been authorised for release by the Company's Board of Directors.

To learn more about the Company, please visit www.matadormining.com.au, or contact:

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About the Company

Matador Mining Limited (**ASX:MZZ / OTCQB:MZZMF / FSE:MA3**) is an exploration company focused on making gold discoveries in Newfoundland, Canada. The Company is one of only four gold companies with a defined gold Mineral Resource, currently 837,000 ounces grading 2 grams per tonne. Matador is well positioned with an extensive land package comprising 120-kilometres of continuous strike along the under-explored, multi-million-ounce Cape Ray Shear, a prolific gold structure in Newfoundland that currently hosts several major mineral deposits. Additionally, the Company holds 27-kilometres of continuous strike at the Hermitage prospect which is located on the highly prospective Hermitage Flexure.

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¹¹ 6 May 2020 Preliminary Economic Assessment

