ASX Announcement

Released 26 March 2024

Data Collation Commences at Bleiberg Zinc-Germanium Project, Austria

BM8 geologists begin collating over 100 years of historical mining data to validate and confirm near-term exploration targets for Germanium and Gallium mineralisation contained within the rich history of the Bleiberg Mine.

HIGHLIGHTS

- Senior BM8 geologists arrive in Austria to access and collate over 100 years of historic mining data from the Bleiberg Zinc-Lead-Germanium Mine in Austria.
- The data will help the Company to develop its exploration plan and fast-track exploration of strategically targeted extensions of the known mineralisation on its tenements.
- BM8 is primarily focused on early-stage exploration for Germanium, a highly strategic mineral used in a range of specialist applications including High-Performance Logic Chips which are used in Electronic Vehicles, Artificial Intelligence and Quantum Computing.
- At time of its closure, the Bleiberg mine was the 6th largest producer of Germanium globally and one of the largest outside of China[1].
- Desktop studies have recorded over ~172 tonnes of Germanium production from just a portion of the Bleiberg mine, which was also a nationally significant producer of Zinc, Lead, Cadmium and Fluorite until its eventual closure in 1993[1].
- China's recent restrictive export policy on Germanium and Gallium further enhances the strategic importance of the Bleiberg asset[3].

Battery Age Minerals Ltd (ASX: **BM8**; **"Battery Age"** or **"the Company"**) is pleased to advise that its geologists have begun the process of collating over 100 years of historic mining data from the highly strategic Bleiberg Zinc-Lead-Germanium Mine in Austria.

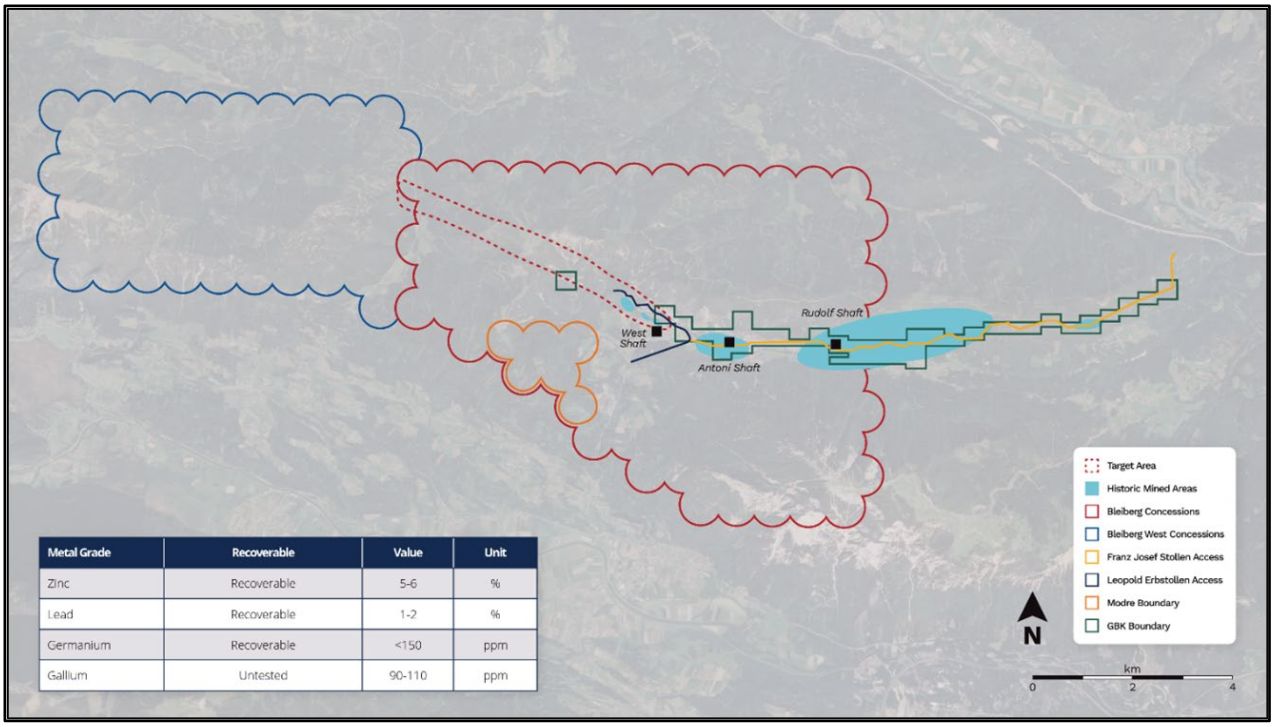
The process of data collection for the Bleiberg mine has commenced with the arrival of BM8's exploration team in Austria. The data collection and review efforts will aim to validate QA/QC and will be undertaken in collaboration with the in-country GKB-Bergbau GmbH team, who have extensive multi-faceted experience in mining operations within the region. The data collation will lay the foundation for a highly targeted exploration plan to test the Company's Bleiberg project area for high-grade Germanium, Zinc and Lead mineralisation.

During this period, the BM8 team is also conducting site visits and liaising with the local community to build and strengthen relationships with local mining bodies.

Germanium

The highly strategic nature of Germanium has been reinforced recently by the Taiwan Semiconductor Manufacturing Company Limited ("TSMC'') announcing plans to increase the use of Germanium in next-generation Si-Ge chips, due to its superior electron mobility compared to Silicon[2]., and China placing constraints on the export of the mineral[3]. This puts BM8 in a strong position to pursue exploration to satisfy a growing need for Germanium.

The Bleiberg Project is uniquely positioned to become a disruptor to the rigid supply chain of these future-facing semi-conductor commodities.



Metal Grade	Recoverable	Value	Unit
Zinc	Recoverable	5-6	%
Lead	Recoverable	1-2	%
Germanium	Recoverable	<150	ppm
Gallium	Untested	90-110	ppm

Figure 1 – Identified mineralised trend located along strike from historical workings. Inset table demonstrates historical data for the Bleiberg Mine from previous workings)[1].

The combination of an extensive mining history and dataset, secured alongside the Bleiberg Project, gives BM8 an exceptional opportunity to fast-track its exploration efforts and become a key player in a rare and strategic commodity, given the rich Germanium mineralisation that has been outlined and mined in the area historically.

The Company aims to expedite Germanium exploration in Austria alongside its ongoing work at the Falcon Lake Lithium Project in Canada.

Battery Age CEO Nigel Broomham commented:

"We are pleased to have a team on the ground in Austria to start the process of data collation and review at the Bleiberg Project.

"This opens a promising new exploration opportunity for Battery Age alongside our flagship Falcon Lake Lithium Project in Canada, in a strategic mineral that is highly sought-after and in increasing demand because of recent changes in the geopolitical context.

"We are looking forward to continuing to build our relationship with the GKB team and other key stakeholders in Austria and to building positive relationships that will support our upcoming exploration endeavours.

"This exercise will allow us to validate the invaluable database encompassing 100-years exploration and production information, which we can leverage to develop a highly targeted exploration plan which we can then fast-track by working closely with the custodian of the adjacent Bleiberg mine and the key players in the region."

Release authorised by the Board of Battery Age Minerals Ltd.

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Compliance Statement

This announcement contains information on the Bleiberg Project extracted from an ASX market announcements dated 8 December 2022, 2 February 2023, 13 July 2023 and 26 February 2024, released by the Company and reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). The original market announcement is available to view on www.batteryage. au and www.asx.com.au. Battery Age is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources (as that term is defined in the JORC Code) that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

References:

1. *Schroll,e. (2006). Neues zur Genese der Blei-Zink Lagerstätte Bleiberg. Carinthia II 196./116. Jahrgang Seiten 483-500 Klagenfurt 2006*
2. *Germanium-based transistors for future high performance and low ... (2015) TSMC Logic. Available at: https://research.tsmc.com/page/high-mobility-channel/14.html.*
3. *Refer Thomson Reuters "China's rare earths dominance in focus after it limits germanium and gallium exports", 5 July 2023, refer CNN "China hits back in chip war, imposing export curbs on crucial raw materials" 3 July 2023.*
4. *Multi-Met (2023) Bleiberg Project - Multi-Met, Multi. Available at: https://multimetdev.com/projects/bleiberg-project/*
5. *Leach. D, Taylor. R, Fey. D et al.(2010), , A deposit model for Mississippi Valley-Type lead-zinc ores, USGS Scientific Investigations Report 2010-5070-A*
6. *Schor, D. (2021) TSMC details 5 nm, WikiChip Fuse. Available at: https://fuse.wikichip.org/news/3398/tsmc-details-5-nm/ (Accessed: 25 February 2024).*
7. *5NM technology, Taiwan Semiconductor Manufacturing Company Limited. Available at: https://www.tsmc.com/english/dedicatedFoundry/technology/logic/l_5nm*
8. *Refer to earn-in terms and structure set out in the Company's Prospectus dated 7 December 2022.*