



Somerset
MINERALS LTD

**EXPLORING
FOR THE NEXT
GENERATION
OF MINES**

ASX:SMM
Investor Presentation

July 2024



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Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Christopher Hansen who is a Member of Member of the Australasian Institute of Mining and Metallurgy and is Managing Director of the Company. Mr Hansen has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hansen consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

This presentation shall not constitute an offer to sell or the solicitation of an offer to buy securities.



Corporate Overview

Capital Structure

SMM

ASX Code

1.0bn

Shares on Issue
(Undiluted)

\$4.1m

Market Cap
(undiluted at \$0.004/sh)

\$2.0m

Cash
(As at 31 Mar 24)

\$2.1m

Enterprise Value

252.2m

Options¹

Board of Directors



Chris Hansen
Managing Director



Mike Edwards
Non-Executive Chairman



Melanie Ross
Non-Executive Director
& Company Secretary

1. Excludes 110.3 million performance rights



Investment Highlights

Acquisition of the the highly prospective Prescott **copper & base metals** project has now been completed with **exploration underway**

Maiden exploration activities are already underway with a large geophysical survey ~35% complete & geochemical mapping planned for August

Purchase Agreement recently executed with Barrick for the sale of the Valle del Tigre II in Ecuador³

The Prescott Project includes a significant land package directly along strike and adjacent to **American West Metals (ASX:AW1) Storm Project¹**

Airborne geophysical survey has already identified a **large gravity high at the Miguel prospect** which is coincident with a multispectral anomaly²

Portfolio of precious and base metals projects in both North & South America

PRESCOTT
Nunavut, Cu-Ag-Zn-Pb

ELIZABETH & BLACKDOME
British Columbia, Cu-Ag-Zn-Pb

ZAMORA
Ecuador, Au-Cu

1. There is no certainty that further work by the Company will lead to achieving the same size, shape, grade, or form of the comparison resource. The Company's project is in a different stage of development and that further exploration needs to be undertaken to further prove or disprove any comparison; 2. See ASX:SMM 17/07/2024; See ASX:SMM 16/07/2024



PRESCOTT PROJECT

Nunavut (Cu, Ag, Zn, Pb)





Prime Location



Located adjacent to coast



Access to designated sealift route



Historical mining district with established logistics network and supportive local government



Year-round mining, with reliable shipping window



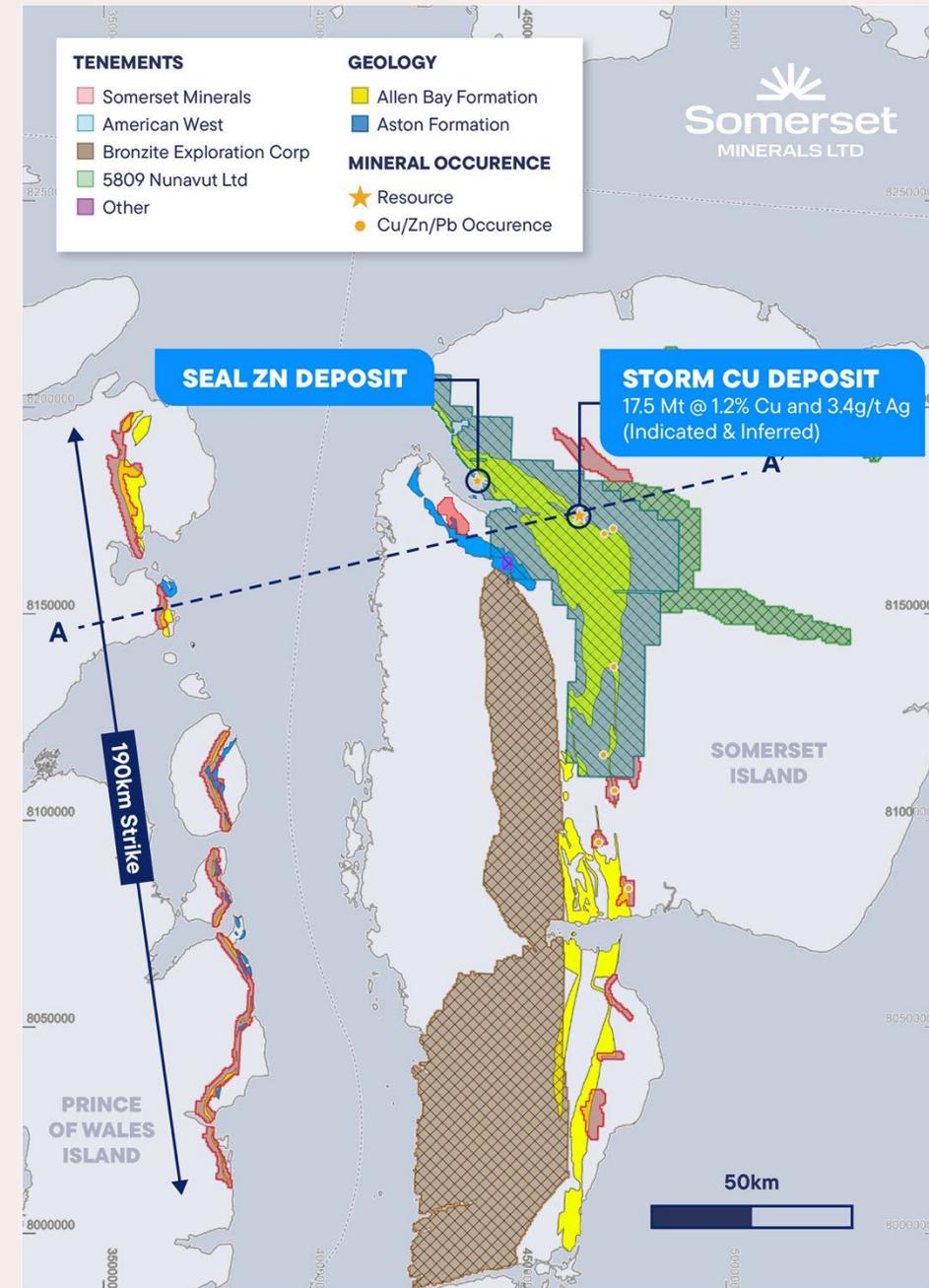
Source: ASX:SMM 29/04/2024.

Prescott Base Metals Project

Spanning over 240km, the Prescott Project area has excellent potential to host Sedimentary Hosted Copper deposits (Cu-Ag) and Mississippi Valley-Type deposits (Zn-Pb)

- The Prescott Project includes a significant land package directly **along strike and adjacent to American West Metals (ASX:AW1) Storm Project**¹
- American West Metals Storm Copper Project currently hosts an Indicated & Inferred resource of 17.5 Mt @ 1.2% Cu and 3.4g/t Ag¹
- An interpreted anticlinal structure has resulted in a **repetition of the same geological sequence which hosts the Storm Project** on the adjacent island where Somerset holds a 190km strike extent
- **Large ongoing airborne geophysical survey (~35% complete) has already identified a large gravity high at the Miguel prospect** located on Somerset Island and is 29 km from American West's Storm deposit
- The Prescott Project also **includes a significant land package which is directly along strike from the Storm Copper Project**
- Detailed **geochemical mapping scheduled for early-August** to validate Miguel and any other anomalies identified from the geophysical survey and multispectral targeting

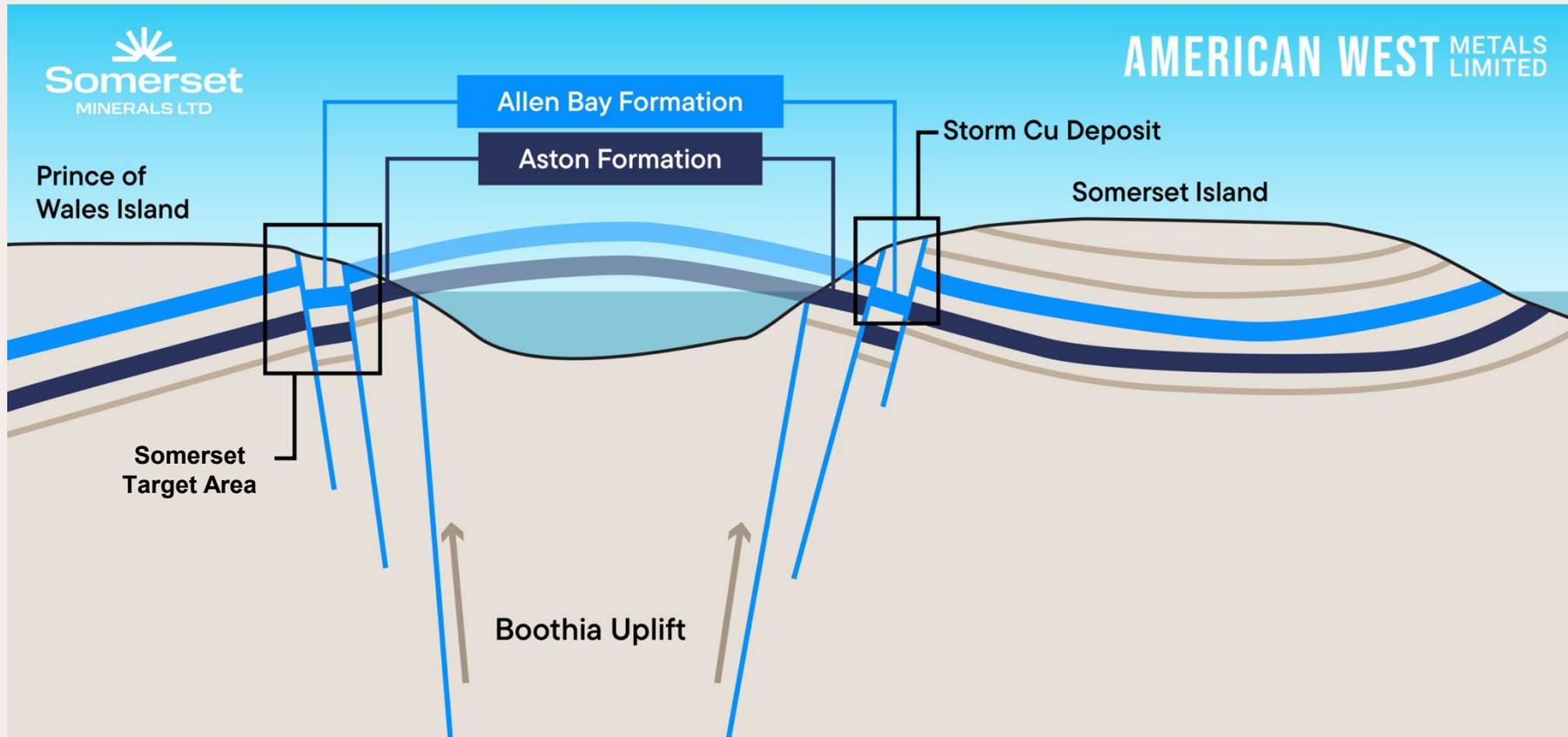
1. Refer to American West Metals Ltd's (ASX: AW1) (AW1) ASX Announcement on 30/01/2024 - Maiden JORC MRE for Storm. There is no certainty that further work by the Company will lead to achieving the same size, shape, grade, or form of the comparison resource. The Company's project is in a different stage of development and that further exploration needs to be undertaken to further prove or disprove any comparison.





Anticlinal Structure Results in Repetition of Geology

An interpreted anticlinal structure has resulted in a potential repetition of the same geological sequence which hosts the neighbouring Storm Project, but on the adjacent Prince of Wales Island.

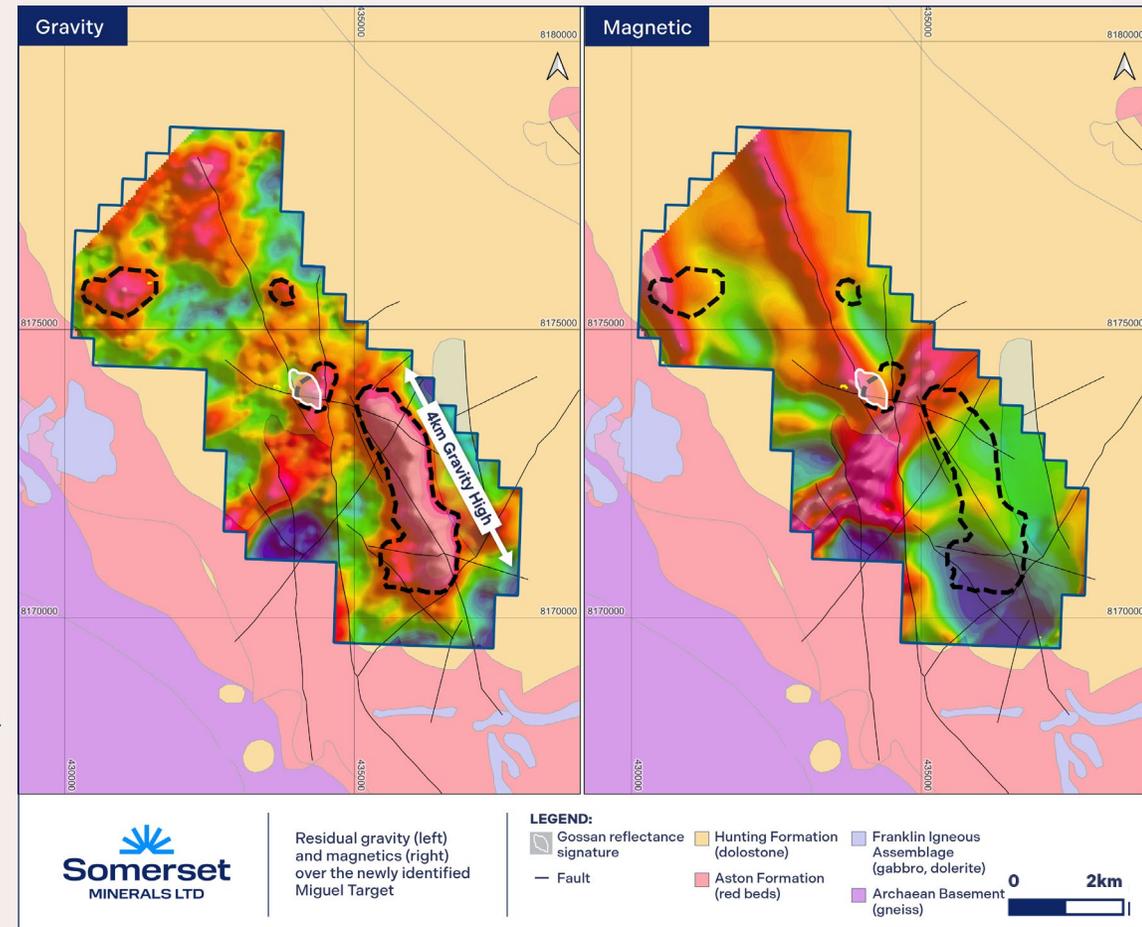




Prescott Project: Miguel Gravity Target

Large ongoing airborne geophysical survey has already identified a large gravity high at the Miguel prospect¹

- Miguel is located on Somerset Island, 29 km from American West's Storm deposit and 10 km from Aston Bay's Seal deposit
- The principal gravity high at Miguel forms a **4 km north-south elongated anomalous gravity high**
- Absence of a magnetic response suggests the gravity anomaly could potentially be **related to mineralisation from a sedimentary-hosted copper deposit** or a Mississippi Valley-type deposit
- Part of the **gravity high is also coincident with a multispectral anomaly** which displays a similar reflective signature to other known deposits and mineralised gossans in the region
- **Miguel was the first of 16 blocks to be flown** with the geophysical survey, now ~35% complete, it is expected that the remaining areas will take a further ~30 days to complete
- Detailed **geochemical mapping is scheduled for early-August** to validate Miguel and any other anomalies identified from the geophysical survey and multispectral targeting



Source: ASX:SMM 17/07/2024

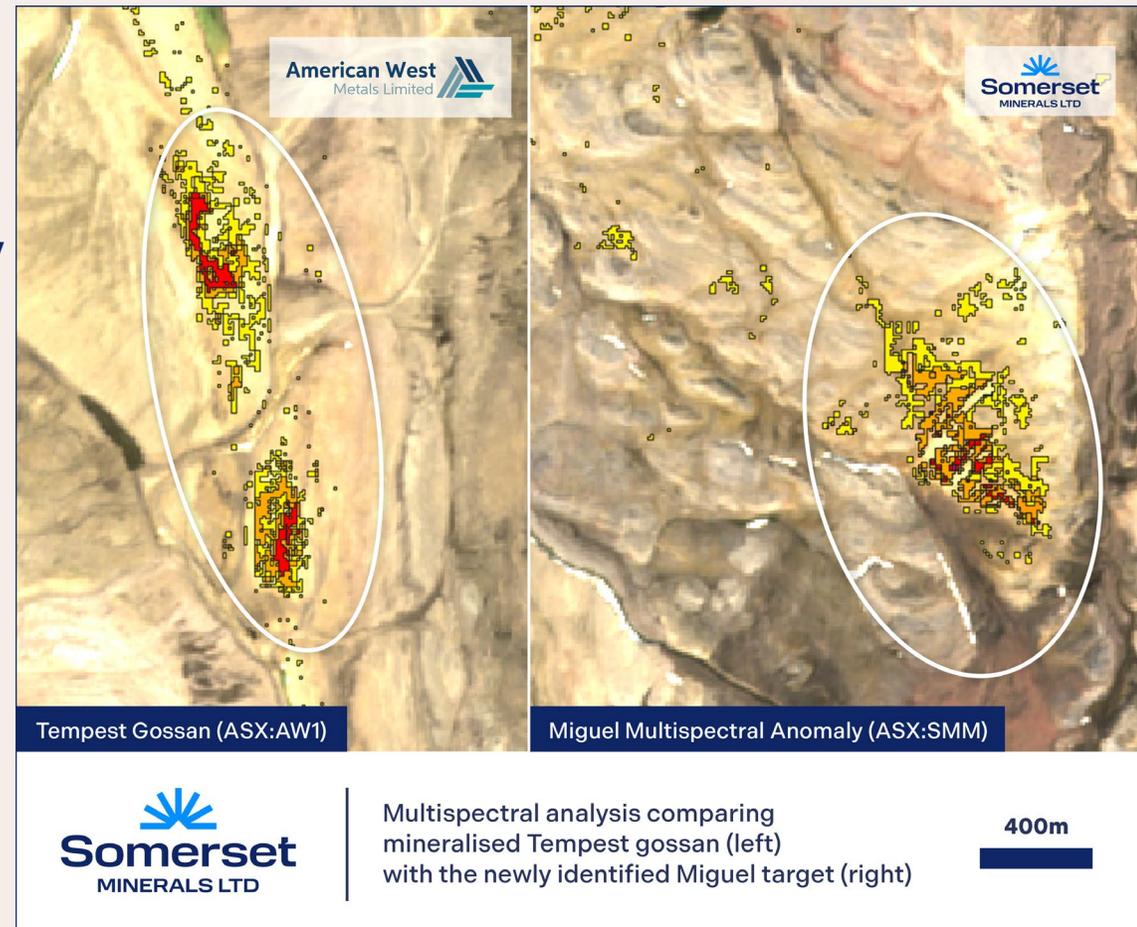
1. See ASX:SMM 17/07/2024



Prescott Project: Miguel Multispectral Target

Part of the Miguel gravity high is also coincident with a multispectral anomaly which displays a similar reflective signature to other known deposits and mineralised gossans in the region¹

- The **Miguel target shows a large 800m x 450m multispectral anomaly** with a similar reflective signature and size to the Tempest gossans (ASX:AW1)²
- Lack of vegetation and snow cover in summer season exposes rocks, making **multispectral analysis an effective targeting tool** for identifying potential gossans and validating mapped geology
- Multispectral aerial imagery was used to classify the Tempest Gossans which **possess a distinct reflective signature**, this signature was subsequently used to identify similar areas at the Prescott Project
- Both Tempest and Miguel are hosted in dolostones (Hunting Formation at Miguel and Allen Bay Formation at Tempest), suggesting **gossans would have a similar reflective signature** in both formations.
- Further fieldwork and **geochemical sampling is planned for the August** field program to validate these results



Source: ASX:SMM 17/07/2024

1. See ASX:SMM 17/07/2024; 2. There is no certainty that further work by the Company will lead to achieving the same size, shape, grade, or form of the comparison deposits. The Company's project is in a different stage of development and that further exploration needs to be undertaken to further prove or disprove any comparison.



Mineralisation Model

Somerset is targeting sediment hosted copper deposits akin to the neighboring Storm deposit (ASX: AW1).

1. Oxidised Source Rock

Source rock must be haematite stable and contain ferromagnesian minerals from which copper can be leached. Typical source rocks are continental red sandstone. **The likely source for the Storm deposit is the Aston Formation red beds.**

2. Brine to Mobilise Copper

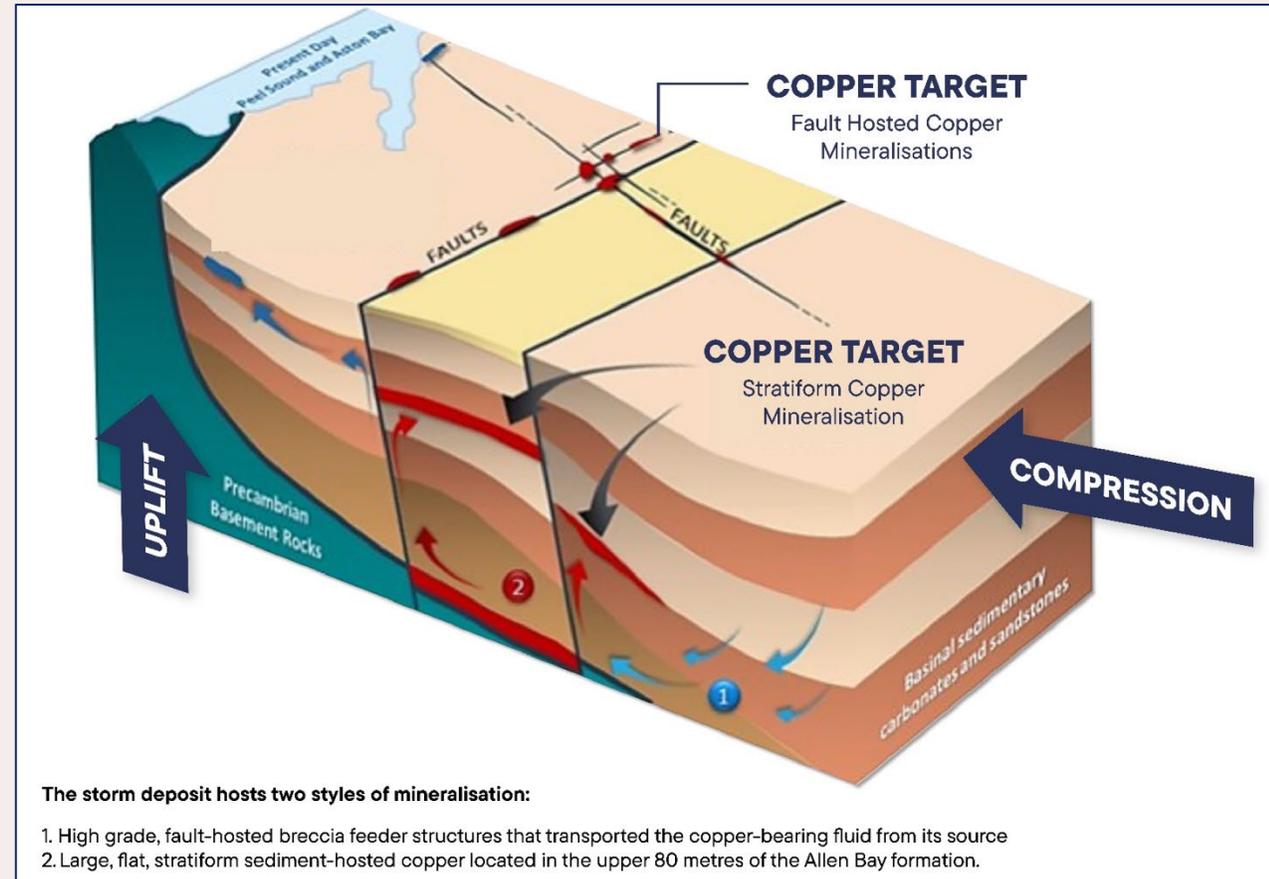
There must be a source of brine to mobilise copper. Evaporites are a common brine source and are often interbedded with red beds. **Evaporites are noted in the Bay Fiord Formation** and in other parts of the basin, which underlie the Allen Bay formation.

3. Fluid Conduit or Permeable Stratigraphy

These copper-bearing brines are then mobilised along a fluid conduit or permeable stratigraphic unit, there must be a reducing environment for the copper to precipitate. **The Allen Bay formation, which hosts the Storm deposit is rich in organic content (a reductant).**

4. Compression, Folding & Faulting

For a mineralising event to occur, metal-bearing oxidised fluids must mix with an appropriate reductant in a permeable or structurally accommodating host rock, often triggered by increased fluid pressures due to compression, faulting, or folding. **The Cornwallis foldbelt and Boothia uplift events led to such compression**, resulting in significant folding and faulting.



Source: ASX:SMM 29/04/2024.



Indicative Exploration & Targeting

Current exploration activities include an airborne geophysical survey and ground-based geochemical mapping program



The maiden exploration campaign is employing an Airborne Gravity Gradiometry (AGG) survey conducted by a fixed-wing aircraft across the entire project area. AGG surveys provide high-resolution data and are instrumental in identifying density anomalies that could indicate a mineral deposits. AGG and gravity surveys have a proven track record in discovering significant mineral deposits like the Storm copper deposit and the Polaris Zn-Pb mine.

Initial anomalies identified from the AGG survey, combined with remote sensing data, will guide follow-up geochemical and ground mapping activities scheduled for August.

A comprehensive 3D inversion of the AGG data, integrated with remote sensing data and rock chip sample results, will all be utilised to rank potential drill targets for successive drill campaigns



OTHER PROJECTS





Elizabeth Gold Project & Blackdome Mine

High grade gold exploration with future options for expediting production

Elizabeth Gold Project

- High-grade mesothermal gold mineralization present in wide (~1.5 - 5m) vein sets
- Elizabeth Project is approximately 30km south of the Blackdome mill and is connected via contiguous claims along an existing forestry track
- Somerset has completed 80 holes for 19,500 metres to date
- 2023 Estimate: 632kt @ 4.73g/t Au for 96.1koz (Indicated & Inferred)¹

Black Dome Gold Mine

- High-grade Epithermal gold mineralisation, Previous producer, ~230k oz @ 22 g/t Au mill head grade
- Somerset drilled 5,000 metres at Blackdome in 2020, Alteration study completed highlighting potential for new discoveries
- Permitted 200 tpd capacity mill and tailings storage on site (suitable for processing Elizabeth and Blackdome ore)
- 2010 Estimate: 235kt @ 10.3g/t Au for 78.5Koz (Indicated & Inferred)²



1. See ASX:SMM 02/11/2023; 2. The Blackdome historic resource estimate was previously disclosed by Tempus Resources in the news release "Tempus Acquires Advanced Stage High-Grade Gold Project" dated August 19, 2019. Tempus Resources is not aware of any new information or data that materially affects the historical resource estimate included in this Investor Presentation and all material assumptions and technical parameters underpinning the historic resource estimates continue to apply and have not materially changed. There have been no material changes to the historical resource information released in the August 19, 2019 news release. The mineral resource estimate is historical in nature and are provided for information purposes only. A qualified person has not completed sufficient work to classify the historical estimate as current mineral resources under JORC and NI43-101 codes and should not be relied upon.

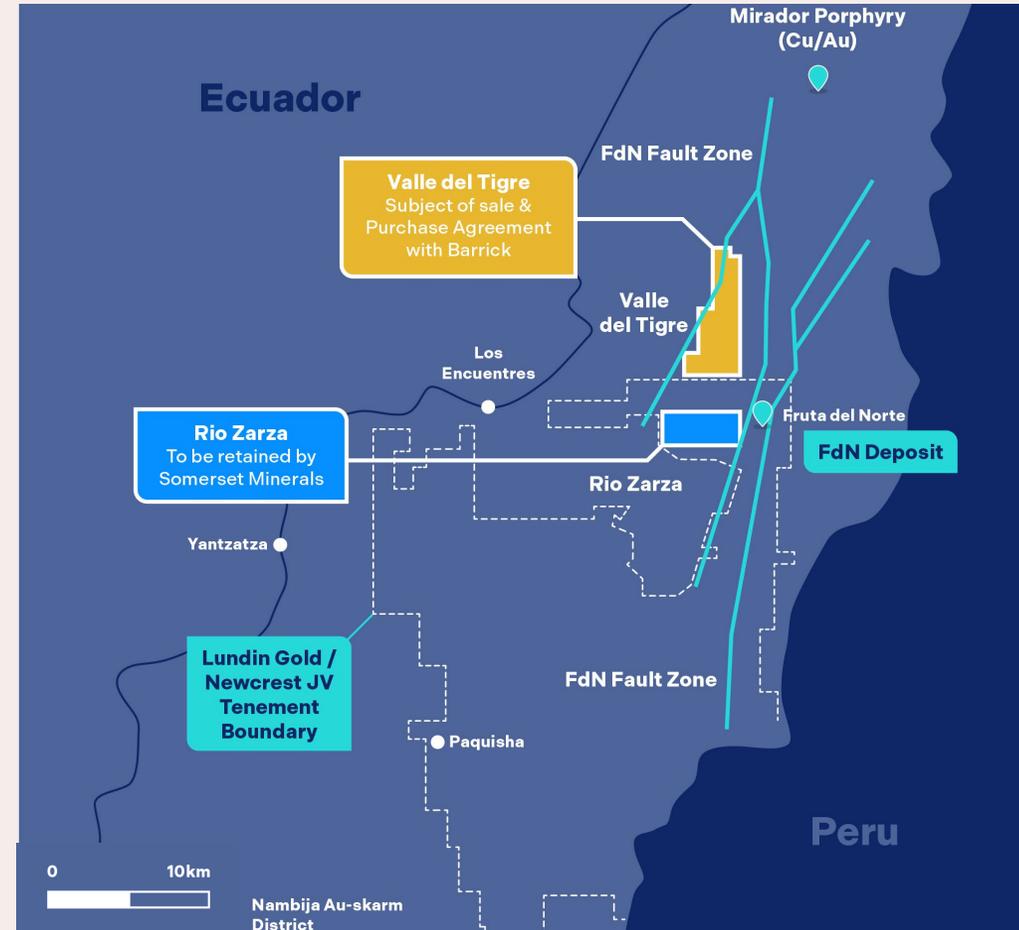


Zamora Copper-Gold Projects

Copper and gold exploration in Ecuador adjacent to Lundin Gold's Fruta del Norte Project

Zamora

- Somerset's projects in Ecuador are located in heart of the Cordillera del Condor mineral belt of southeast Ecuador that hosts numerous major gold and copper porphyry deposits
- The Zamora Projects include the Valle del Tigre Project and the Rio Zarza Project
- Purchase Agreement executed with Barrick Gold (Ecuador) S.A. in July 2024 relation to the sale of the Valle del Tigre II mineral concession in southeast Ecuador for a total cash consideration of ~US\$320,000 and a 1.5% net smelter royalty on completion¹
- Somerset still retains the Rio Zarza Project which is located adjacent to Lundin Gold's Fruta del Norte mine



1. See ASX:SMM 16/07/2024



Somerset

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Board of Directors



Chris Hansen

Non-Executive Director

Mr Hansen is a multidisciplinary metals and mining professional, combining core technical fundamentals with a strong finance and project development mind-set. Having initially focused on building a solid technical foundation with industry majors such as Fortescue Metals Group and Barrick Gold, Mr Hansen later joined a preeminent London based mining private equity fund developing robust investment skills, project development expertise, market knowledge and strong industry relations. Since returning to Australia, Mr Hansen has leveraged his experience in both public and private markets, more recently having led mining business development activities for one of Australia's largest private investment groups.

Mr Hansen is currently a Non-Executive Director of Horizon Minerals Limited (ASX:HRZ). Mr Hansen holds a BSc in Geology from the University of Auckland, and an MSc in Mineral Economics from Curtin University.



Mike Edwards

Non-Executive Chairman

Mr Edwards is a Geologist and Economist with over 25 years' experience in senior management roles within both the public and private sectors. Mr Edwards worked for Barclays Australia in their Commercial and Corporate Finance department before returning to university to complete a Bachelor of Science Geology. Mr Edwards then spent eight years as an Exploration and Mine Geologist, principally working in Australia with a focus on Archaean gold and base metals.

Over the past 15 years, Mr Edwards has held numerous Executive and Non-Executive Director roles, predominantly with ASX-listed companies and most recently was Non-Executive Chairman of Greenstone Resources Limited (ASX:GSR) which successfully merged with Horizon Minerals Limited (ASX:HRZ).

Mr Edwards is currently Non-Executive Chairman of Metal Hawk Ltd (ASX:MHK) and Non-Executive Director of De.Mem Pty Ltd (ASX:DEM). Mr Edwards holds a Bachelor of Business (Economics & Finance) from Curtin University of Technology, and a Bachelor of Science (Geology) from the University of Western Australia.



Melanie Ross

Non-Executive Director & Company Secretary

Ms Ross is an accounting and corporate governance professional with over 20 years of experience in financial accounting and analysis, audit, business and corporate advisory services in public practice, commerce and state government. Ms Ross is currently Director of a corporate advisory company based in Perth that provides corporate and other advisory services to publicly-listed companies.

Ms Ross holds a Bachelor of Commerce degree from Curtin University, West Australia and is a member of the Institute of Chartered Accountants in Australia and New Zealand and an associate member of the Governance Institute of Australia.