

Errolls Gold Project

Barrambie Greenstone Belt
WA

RIU Conference Presentation

Sydney, May 2025

Will Dix – Director



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Competent persons statement

The information in this Presentation that relates to exploration results is extracted from the Company's ASX Announcements titled "Breakthrough Minerals to acquire Strategic Gold Property in WA" and "Exceptional Metallurgy from the Errolls Gold Project" lodged with ASX on 31 March and 9 April 2025 respectively. These represent information and supporting documentation compiled by William Dix, who provides technical services to Breakthrough Minerals under a shared services agreement between Breakthrough and Trinex Minerals. Mr Dix is a Director and Shareholder of Breakthrough Minerals. Mr Dix is a Fellow of the Australian Institute of Mining and Metallurgy. Mr Dix has sufficient experience of relevance to the style of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Dix consents to the inclusion in this Presentation of the matters based on information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Investment risk

There are a number of risks specific to the Company and of a general nature which may affect the future operating and financial performance of the Company and the value of an investment in the Company, including and not limited to the Company's capital requirements, the potential for shareholders to be diluted, budget risks, and operational risks. An investment in Securities is subject to known and unknown risks, some of which are beyond the control of the Company. You should consider the risk factors outlined in the Appendix at the end of this Presentation when deciding whether or not to invest in the Company.

Acquisition Investment Highlights



Strategic location in prolific, underexplored gold belt

Situated in the Barrambie Greenstone Belt, part of the East Murchinson Mineral Field in Western Australia



High-grade gold potential with historical production

Historic mining at Errolls Legacy produced **5,230oz at 17.6g/t Au¹**



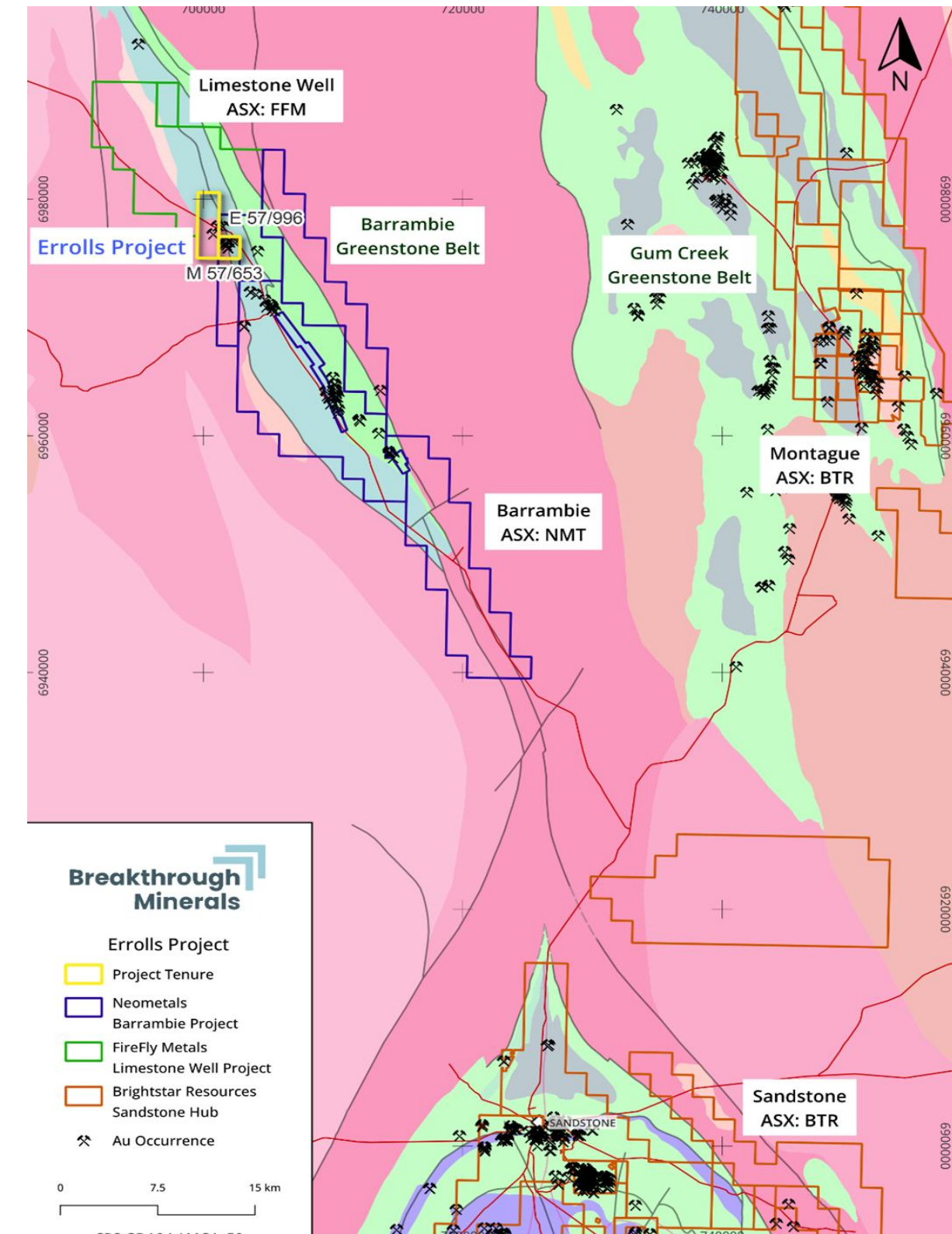
Shallow high-grade drill intercepts provides immediate drill ready targets

Includes historical intercept **22m at 7.46 g/t Au** from surface. Average depth of RC drilling on tenure is **only 34m**



Proximal to large Mineral Resources

Sandstone and Gum Creek Greenstone Belts nearby have significant resource endowments (Brightstar Resources ASX:BTR, Horizon Gold ASX:HRN)



Barrambie Greenstone Belt

Heart of the Goldfields



Located approximately halfway between Meekatharra and Sandstone in the East Murchison Mineral Field



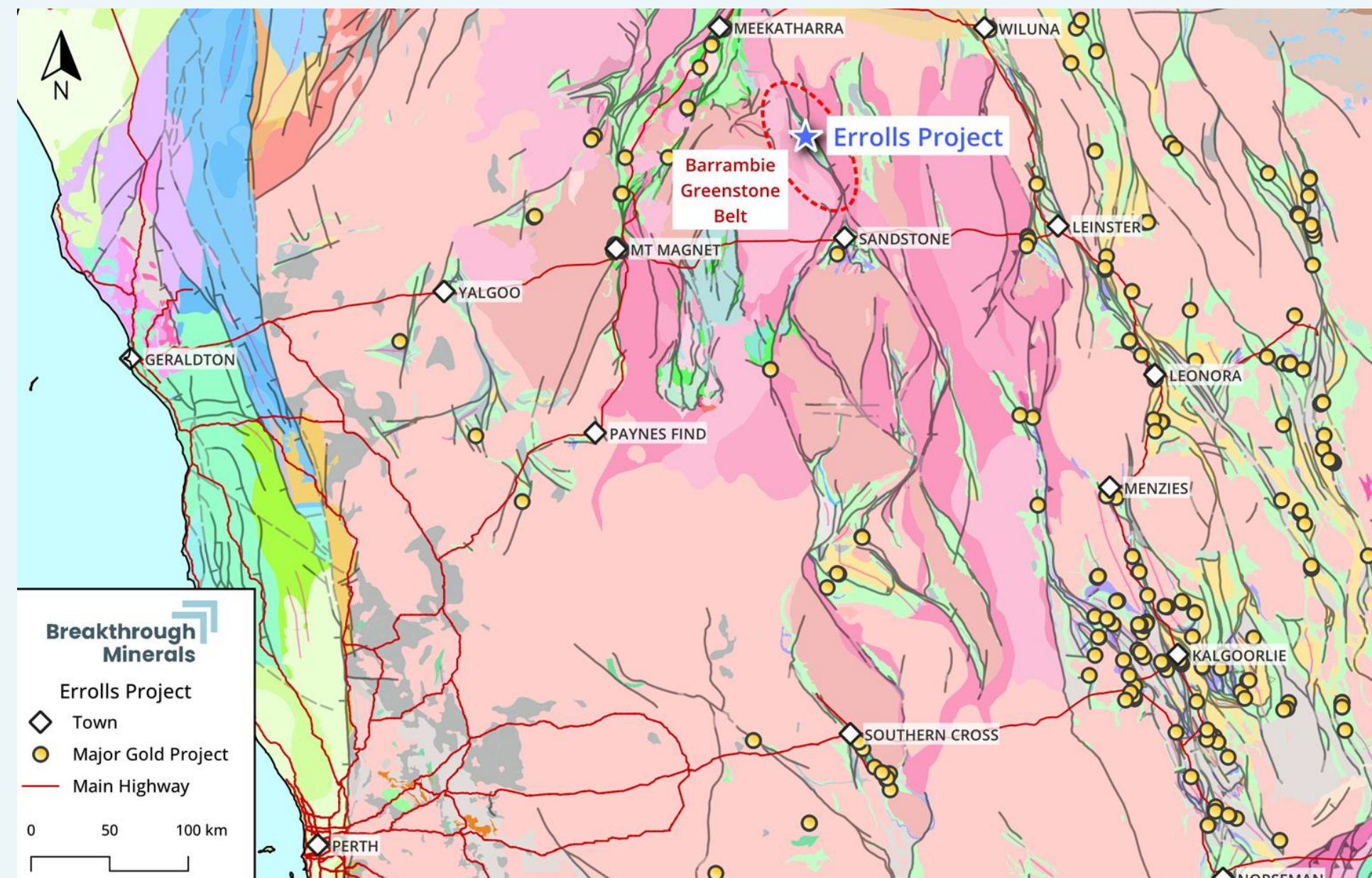
Narrow NNW trending greenstone belt comprising layered mafics and sediments



Underexplored with limited systematic exploration over the last 25 years



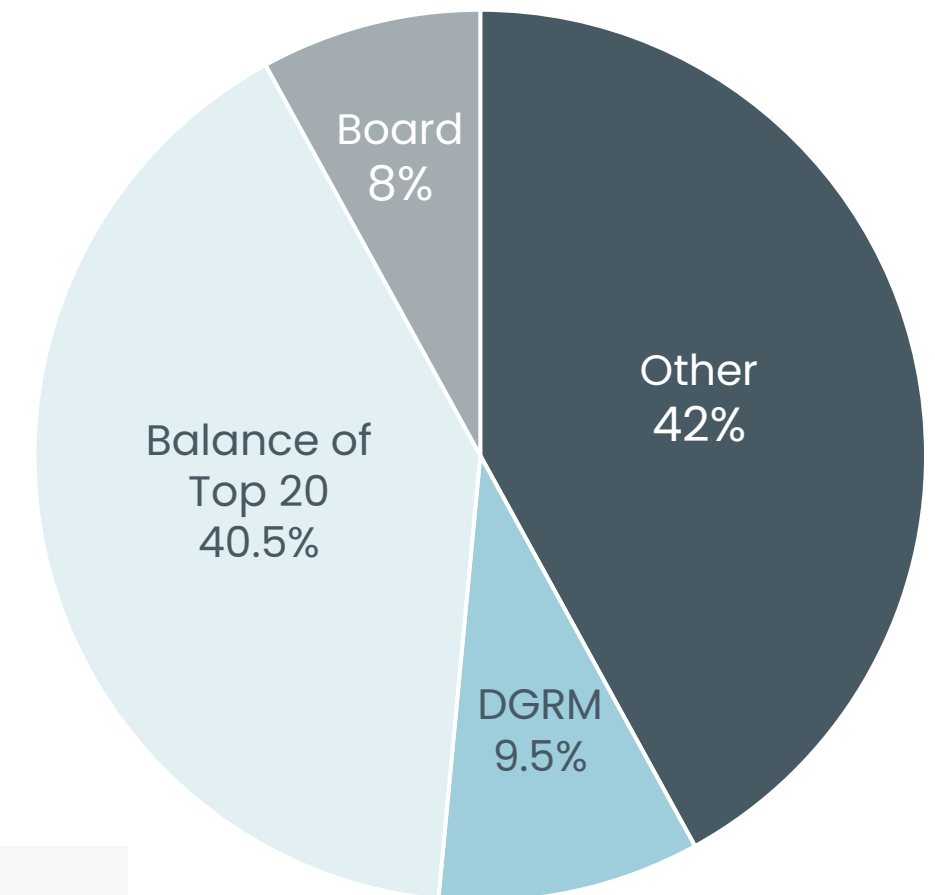
High Grade mineralisation - proven discovery of consistent +10g/t Au across varying styles of gold mineralisation.



Barrambie Greenstone Belt East Murchison Mineral Field

Corporate Overview

Capital Structure (Pro Forma Post-Transaction)	
ASX Code	BTM
Share Price (1-May-25)	\$0.069
Shares on issue	65.8m
Market Capitalisation	\$4.5m
Cash ¹	\$2.2m
Indicative Enterprise Value (Post transaction)	~ \$2.3m



With a post-transaction enterprise value of \$2.3 million, Breakthrough Minerals is highly leveraged to exploration success at the Errolls Gold Project

Graeme Robertson Non-Executive Chairman

- 30+ years in coal, infrastructure & power development.
- Former CEO/MD, New Hope Corporation.
- Held directorships at Soul Pattison and AfrAsia Bank.

Peretz Schapiro Executive Director

- Extensive leadership in resource exploration
- Corporate finance and investment Expertise
- Strong track record of creating shareholder value
- Wide project generation network

William Dix Non-Executive Director

- 28+ years experience in base metals, gold and uranium exploration and mining.
- 7+ years with LionOre Mining International
- Extensive commercial experience

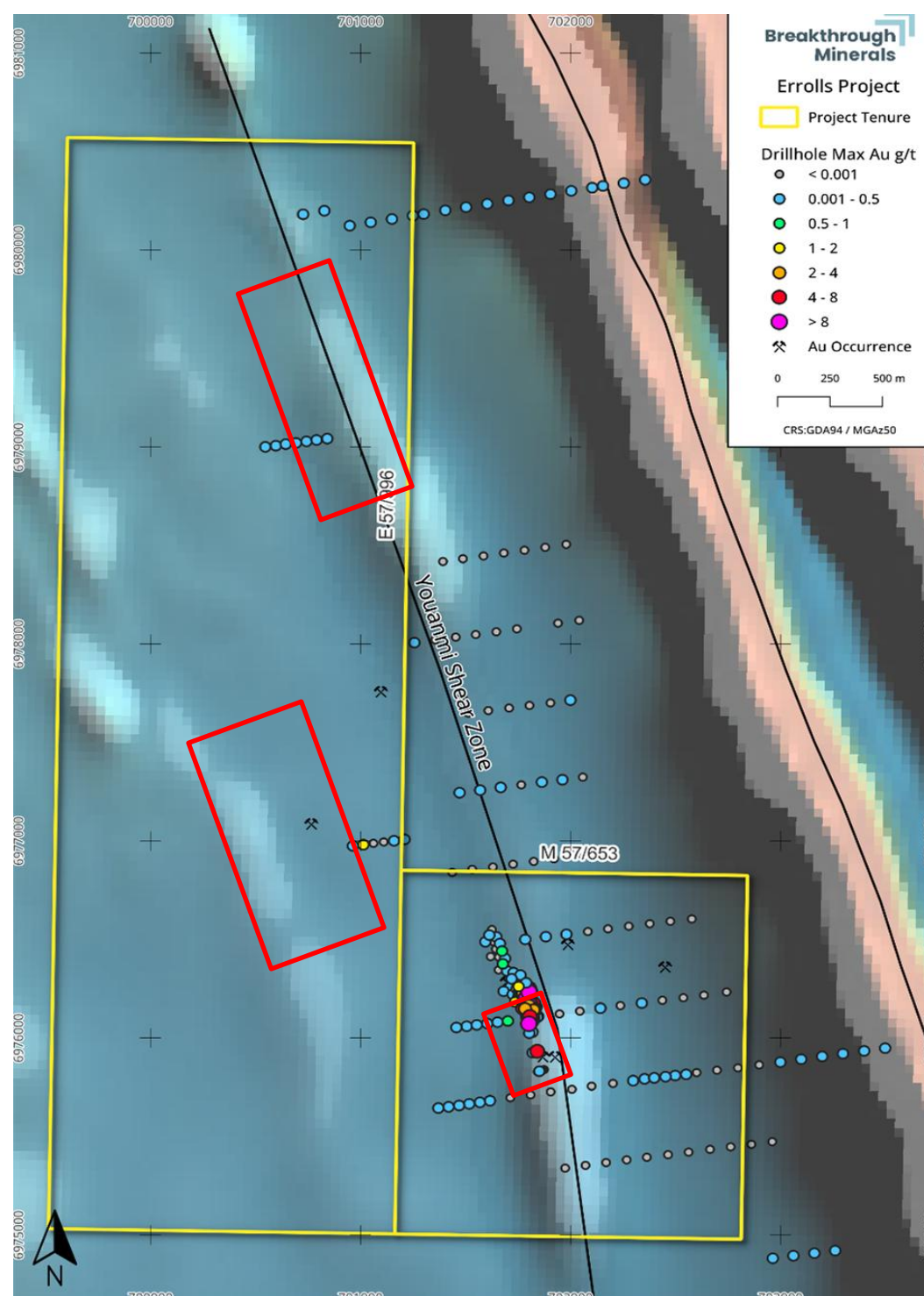
Joel Ives Company Secretary

- CA with extensive financial & company secretarial experience in resource exploration sectors.
- Expertise in ASX listings and ensuring regulatory compliance.

1. Cash balance includes 31 March 2025 quarterly cash on hand and the proposed \$1 million placement minus the cash acquisition cost.

Errolls Gold Project

Shallow High-Grade Mineralisation and Exceptional Metallurgy



- **Immediate walk-up drill targets** adjacent to historic high-grade drilling results
- Mineralisation at Errolls Legacy is considered to be **open along strike** to the north and **down-dip** to the southwest
- **Average historical drill hole depth of only 34m** across the project
- **Untested plunge potential** evident in long-section
- Red boxes show additional drill target areas. **Untested shear zones** in the north and west of the project
- Previous RC drilling results include:
 - **22m at 7.46 g/t Au** from 0m including:
 - **5m at 31.76 g/t Au** from 8m and **3m at 51.85 g/t Au** from 9m (ER082)
 - **20m at 2.74g/t Au** from 14m including:
 - **6m at 7.24g/t Au** from 14m and **3m at 13.26g/t Au** from 16m (ER046)
 - **11m at 6.88 g/t Au** from 14m including:
 - **6m at 12.3 g/t Au** from 14 (ER060)
- Metallurgical recoveries of up to 98.4% gold in 24 hours standard leach
- High gold head grades during testing of between 5.2 – 5.8 g/t Au
- Significant component of free gold recoverable by a gravity circuit

Errolls Gold Project – drillhole collars over TMI RTP translucent over IVD – colour coded by maximum DH gold.

Historic High Grade Gold Centres

- ✓ Gold first discovered in 1905
- ✓ History of High-Grade discoveries in multiple gold centres (Errolls, Barrambie, Sugarstone, Scheelite)
- ✓ Historical production from Errolls Legacy of 5,230oz @ 17.6g/t
- ✓ Mineralisation is generally found in massive laminated quartz veins that are flat lying, up to 20m thick and can contain very high grades
- ✓ Multiple additional targets around Errolls
- ✓ NeoMetals Limited's immediately adjacent (ASX:NMT) Barrambie Gold Project has an Exploration Target of between 8Mt @ 1.3g/t Au - 10.5Mt @ 2.3g/t Au for **335k - 775k oz Au¹**



Errolls Project Location and surrounding tenure

¹ Neometals' ASX announcement dated 23 September 2024

Errolls Gold Project

Transaction Completion Update



- ✓ Consideration for 100% purchase (subject to Shareholder Approval at May 30 EGM):

 - \$150,000 cash and 3,500,000 Breakthrough Minerals Shares
 - 1M Performance rights on a 50g/t drill intercept (i.e. 10m at 5g/t or 2m at 25g/t with a 0.5 g/t cut off)
 - 1M Performance rights on a 100 g/t drill intercept (i.e. 20m at 5 g/t or 10m at 10 g/t with a 0.5 g/t cut off)
- ✓ 100% of the issued stock will be voluntarily escrowed for six months
- ✓ A contemporaneous placement to raise \$1 million to fund near term exploration
- ✓ Submission lodged with DMIRS regarding forfeiture proceedings.

Errolls Gold Project

Next Steps

- Completion of transaction and approval of capital raising (subject to shareholder approval)
- POW has recently been granted for drilling programme
- Drilling to commence immediately post-transaction, targeting extensions to the south along strike and new target to the north



Appendix – Key risks

As with any share investment, there are risks involved. The following identifies the major areas of risk associated with an investment in the Company but should not be taken as an exhaustive list of the potential risk factors to which the Company and its shareholders are exposed. Potential investors should consult their professional advisers before deciding whether to apply for Shares. Any investment in the Company should be considered highly speculative.

(a) Completion risk

As at the date of this Presentation, the Company's interest in the Errolls Gold Project will be subject to the satisfaction of several conditions precedent which are outside of the Company's control such as resolution of the forfeiture application in respect of E57/996 ("**Forfeiture Application**") and receipt of shareholder approval to issue the consideration securities to the vendor of the Errolls Gold Project.

In particular, for the Forfeiture Application to be successfully resolved by the Department of Energy, Mines, Industry Regulation and Safety ("**Department**"), either a fine will be issued by the Department and paid by the vendor of the Errolls Gold Project or the Forfeiture Application is to be determined without the imposition of any penalty or forfeiture.

There is a risk that the conditions precedent for the purchase agreement in respect of the Errolls Gold Project ("**Purchase Agreement**") will not be fulfilled and, in turn, that the Purchase Agreement will not be completed. If completion of the Purchase Agreement does not occur, the Company will not acquire any interest in the Errolls Gold Project. There can be no certainty, nor can the parties provide any assurance, that all conditions precedent to the Purchase Agreement will be satisfied, nor can there be any certainty of the timing of their satisfaction.

(b) Permitting and regulatory risks

The Company's exploration and development activities are subject to extensive regulations covering licensing, environmental compliance, taxation, worker safety, waste management, heritage protection, and other areas. Permits are required for exploration, development, production, and rehabilitation, but obtaining them can be time-consuming and uncertain. Delays, costs, or failure to secure permits on acceptable terms could impact project development or mining operations. Non-compliance, even inadvertently, may lead to fines, penalties, operational suspension, or permit forfeiture.

(c) Exploration and study risks

The Company's projects are at a relatively early stage of exploration and development. Potential investors should understand that mineral exploration and development are high-risk undertakings. The future exploration activities of the Company may be affected by a range of factors including geological conditions, limitations on activities due to seasonal weather patterns or adverse weather conditions, unanticipated operational and technical difficulties, difficulties in commissioning and operating plant and equipment, mechanical failure or plant breakdown, unanticipated metallurgical problems which may affect extraction costs, industrial and environmental accidents, industrial disputes, unexpected shortages and increases in the costs of consumables, spare parts, plant, equipment and staff, matters, permitting, changing government regulations and many other factors beyond the control of the Company.

(d) Future capital requirements

Any additional equity financing may be dilutive to Shareholders, may be undertaken at lower prices than the current market price or may involve restrictive covenants which limit the Company's operations and business strategy. Debt financing, if available, may involve restrictions on financing and operating activities.

As an exploration entity, the Company is making a loss, meaning it is reliant on raising funds from investors or lenders in order to continue to fund its operations and to scale growth. Although the directors of the Company believe that additional capital can be obtained, no assurances can be made that appropriate capital or funding, if and when needed, will be available on terms favourable to the Company or at all. If the Company is unable to obtain additional financing as needed, the Company may be required to reduce the scope of its activities, which could have a material adverse effect on the Company's activities and could affect the Company's ability to continue as a going concern.

The Company may undertake additional offerings of shares and of securities convertible into Shares in the future. The increase in the number of shares issued and outstanding and the possibility of sales of such shares may have a depressive effect on the price of shares. In addition, as a result of such additional shares, the voting power of the Company's existing shareholders will be diluted.

Key risks (cont.)

(e) Acquisition and disposal of projects

The Company may acquire new projects or divest some or all of its interest in its project portfolio in the future. There can be no guarantee that any new project acquisition will eventuate from these pursuits, or that any acquisitions will result in a return for Shareholders. The Directors will use their expertise and experience in the energy and resources sector to assess the value of potential projects that have characteristics that are likely to provide returns to Shareholders, however, Shareholders should be aware that future acquisitions and the cost of funding exploration on future projects will likely contribute directly or indirectly to the issue of further shares, which in turn will further dilute Shareholders' interest in the Company and deplete the Company's cash.

(f) Tenure risk

There is no assurance that delays will not occur in connection with obtaining all necessary grants or renewals of licences/permits for the proposed operations, additional licences/permits for any possible future changes to operations, or additional permits associated with new legislation. Prior to any development on any of its properties, the Company must receive licences/permits from appropriate governmental authorities. There is no certainty that the Company will hold all licences/permits necessary to develop or continue operating at any particular property.

(g) Environmental risks

The operations and proposed activities of the Company are subject to laws and regulations concerning the environment. As with most exploration projects and mining operations, the Company's activities are expected to have an impact on the environment. It is the Company's intention to conduct its activities to the highest standard of environmental obligation, including compliance with all environmental laws. The existence of these environmentally sensitive areas and requirements for the Company to prepare necessary management plans and obtain additional approvals may impact or delay the Company's ability to carry out exploration or mining activities within the affected areas. The cost and complexity of complying with the applicable environmental laws and regulations may prevent the Company from being able to develop potentially economically viable mineral deposits.

(h) Reliance on key management

The Company is reliant on a number of key personnel employed or engaged by the Company. Loss of such personnel may have a materially adverse impact on the performance of the Company.

(i) Development risks

Possible future development of a mining operation at the Company's projects is dependent on a number of factors including, but not limited to, the acquisition and/or delineation of economically recoverable mineralisation, favourable geological conditions, receiving the necessary permits and approvals from all relevant authorities and parties, seasonal weather patterns, unanticipated technical and operational difficulties encountered in extraction and production activities, mechanical failure of operating plant and equipment, shortages or increases in the price of consumables, spare parts and plant and equipment, cost overruns, access to the required level of funding and contracting risk from third parties providing essential services'. If the Company commences production, its operations may be disrupted by a variety of risks and hazards which are beyond its control, including environmental hazards, industrial accidents, technical failures, labour disputes, unusual or unexpected rock formations, flooding and extended interruptions due to inclement or hazardous weather conditions and fires, explosions or accidents. No assurance can be given that the Company will achieve commercial viability through the development or mining of the Company's projects and treatment of ore.

(j) Unforeseen expenditure risk

Expenditure may need to be incurred that has not been taken into account by the Company. Although the Company is not aware of any such additional expenditure requirements, if such expenditure is subsequently incurred, this may adversely affect the expenditure proposals of the Company.

Key risks (cont.)

(k) Metallurgy

Metal and/or mineral recoveries are dependent upon the metallurgical process that is required to liberate economic minerals and produce a saleable product and by nature contain elements of significant risk such as:

- identifying a metallurgical process through test work to produce a saleable metal and/or concentrate;
- developing an economic process route to produce a metal and/or concentrate; and
- changes in mineralogy in the ore deposit can result in inconsistent metal recovery, affecting the economic viability of the project.

(l) Competition risk

The industry in which the Company is involved is subject to domestic and global competition, including major mineral exploration and production companies. Although the Company will undertake all reasonable due diligence in its business decisions and operations, the Company will have no influence or control over the activities or actions of its competitors, which activities or actions may, positively or negatively, affect the operating and financial performance of the Company's projects and business.

(m) Resource risk

There is inherent uncertainty with mineral resource estimates. In addition, there is no guarantee that inferred mineral resource estimates can successfully be converted to indicated or measured mineral resource estimates to allow potential reserve estimates. There remains risk, regardless of JORC Code 2012 or other status, with actual mining performance against any resource or reserve estimates.

(n) Land access risk

Land access is critical for exploration and/or exploitation to succeed. It requires both access to the mineral rights and access to the surface rights. The Company may not be successful in acquiring or obtaining the necessary licences to conduct exploration or evaluation activities outside of the licences that it already owns.

Access rights right can be affected by numerous factors including (but not limited to) regional restrictions on mineral exploration as a result of land use agreements with local communities, surface title land ownership negotiations and natural occurrences including inclement weather and natural disasters.

These issues have the potential to delay, curtail and preclude the Company's operations. There is a risk that local communities or affected groups may take actions to delay, impede or otherwise terminate the contemplated activities of the Company. There can be no guarantee that the Company will be able to negotiate a satisfactory agreement with any such existing landowners/occupiers for such access, and therefore it may be unable to carry out significant exploration and development activities.