MT MALCOLM MINES NL

Achieving Milestones

Production achieved within 3.5 years of ASX Listing.

RIU EXPLORERS CONFERENCE FREMANTLE February 2025

www.mtmalcolm.com.au

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COMPETENT PERSON STATEMENT

The information in this report that relates to exploration results and exploration targets is based on and fairly represents information compiled by Mr. Vivek Sharma, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Vivek has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Vivek consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

All parties have consented to the inclusion of their work for the purposes of this presentation. The interpretations and conclusions reached in this presentation are based on current geological theory and the best evidence available to the author at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for absolute certainty. Any economic decisions which might be taken on the basis of interpretations or conclusions contained in this presentation will therefore carry an element of risk.

This release is authorised by the Board of Directors of Mt Malcolm Mines NL.

MT MALCOLM MINES NL

WHY M2M?

QUALITY EXPLORATION ASSETS

in the North-Eastern Goldfields, WA.

1 ACTIVE COMPANY

Recent gold production and revenue generation with ample opportunity for expansion.

2 LOW MARKET CAP

Unique market positioning and growth trajectory.

3 DIVERSIFIED PORTFOLIO

Brownfield gold, greenfield base metals, REE and lithium prospects.

MT MALCOLM MINES NL

Thank you

TO OUR TEAM MEMBERS

They took the Company

INTO PRODUCTION

WITHIN 3.5 YEARS OF ASX LISTING

A milestone we are proud to have achieved

Regional Geology and Potential

Situated in the prolific Leonora-Laverton region; Malcolm Greenstone Belt.

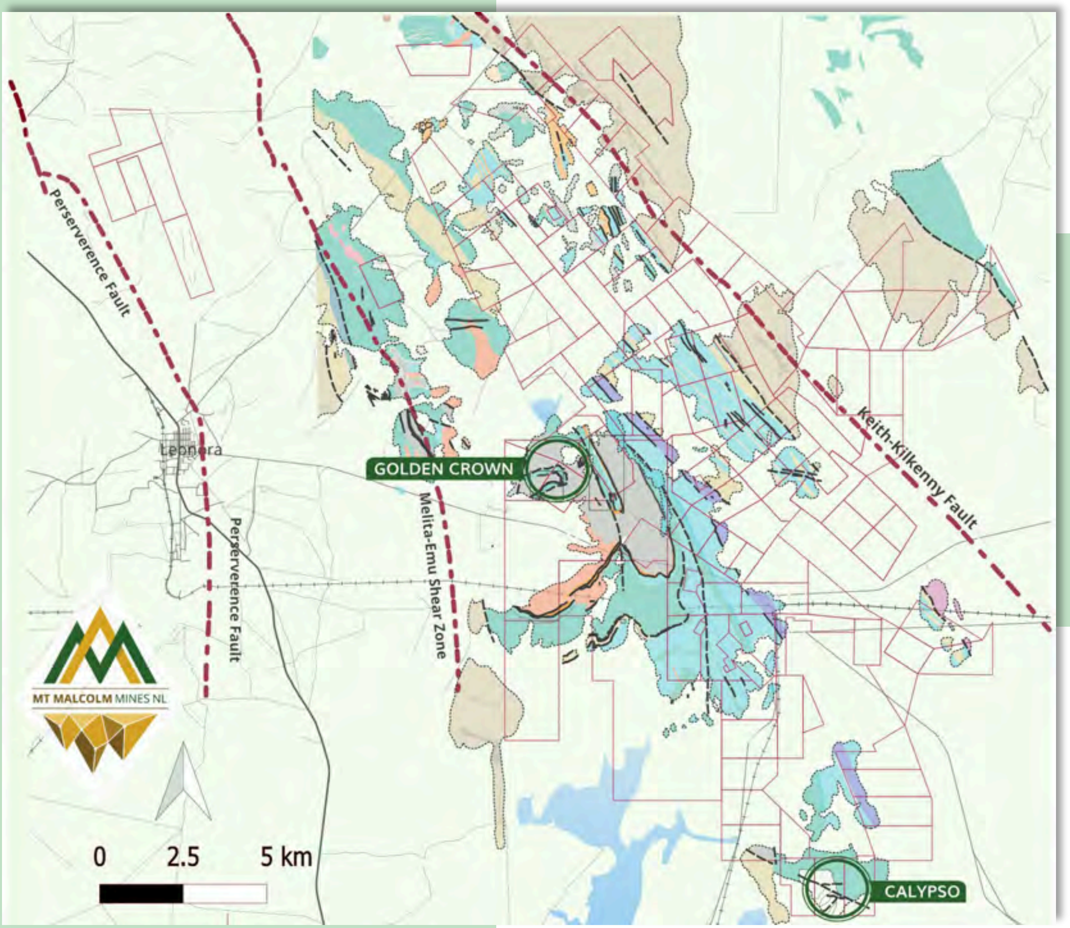
TIER 1 DISTRICT

Covers ~30km strike of the Keith-Kilkenny Tectonic Zone (KKTZ).

KKTZ

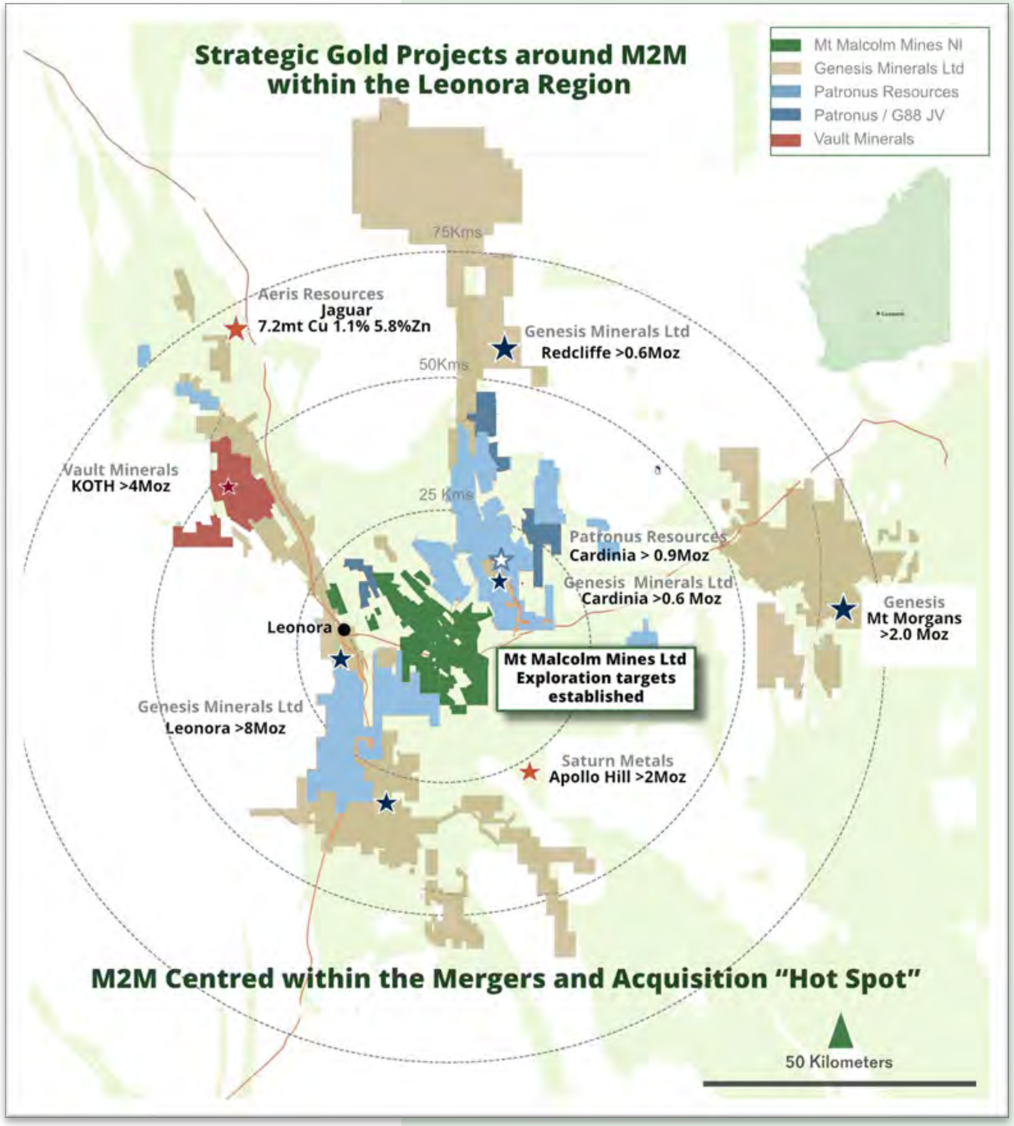
Multiple untested brownfield gold targets & compelling geology.

DRILLING UPSIDE



COMPANY OVERVIEW

- Perth-based gold exploration company.
- Flagship Asset: Malcolm Project
  116 tenements ≈250 sq km.
- Surrounded by world-class gold producers and processing facilities.
- Core values: Innovation, sustainability, shareholder value.



250212-Apollo-Hill-Gold-Resource-Exceeds-2Moz-FINAL.pdf Saturn Metals   Annual Report FY24 Genesis Minerals   Annual Report FY24 Patronus Resources   Annual Report FY24 Vault Minerals

GOLDEN CROWN

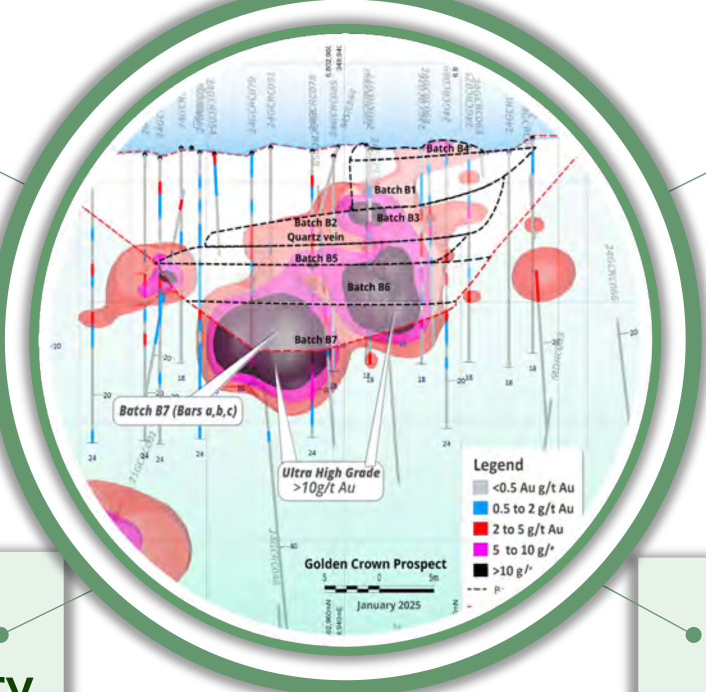
Extensive Shear-Hosted Gold Mineralisation

Bulk Sampling

1,015 tonnes ore processed, 312 oz gold doré.

Revenue

$961,000 from sales to The Perth Mint.



Metallurgical Highlights

* 94.3% total gold recovery,
* 63.4% gravity recovery efficiency.

Maiden Resource

*Advancing Towards Maiden Resource Estimate.

*(ASX M2M Announcement Plus 94% Gold Recovery In Test Work From Golden Crown 6th May 2024)

*(ASX M2M Announcement Outstanding Initial Gold Recovery Results from Golden Crown Prospect 28th June 2024)

*(ASX M2M Announcement Golden Crown Bulk Sampling Complete with High Gold Yields, 10th February 2025)

***14m@ 16.78 g/t Au** (24GCRC079: 4-18m) and **1m @ 111 g/t Au** (16-17m).

***9m @ 21.12 g/t Au** (24GCRC078: 12-18m) incl. **1m @ 65.66 g/t Au** (16-17m).

***3m @ 6.88 g/t Au** (24GCRC048: 0-3m) incl. **1m @ 17.04 g/t Au** (2-3m) and repeat of **35.24 g/t Au** (2-3m).

***4m @ 5.23 g/t Au** (24GCRC033: 22-26m) incl. **1m @ 15.61 g/t Au** (24-25m).

***4m @ 4.43 g/t Au** (24GCRC059: 14-18m) incl. **1m @ 10.54 g/t Au** (16-17m) and repeat of **13.53 g/t Au.**

Golden Crown

High Grade Drilling Results

*(ASX M2M Announcement High Grade Near Surface Gold Confirmed at Golden Crown 13th March, 2024)

*(ASX: M2M Announcement 111 g/t Au amongst high grade results at Golden Crown 5th July 2024)

BULK SAMPLING Outcomes

Geological Insights

The bulk sampling and drilling programs have provided valuable geological insights, helping to refine the geological model of the Golden Crown prospect.

Targeted Exploration

Improved geological information provides focused and cost-efficient exploration.

Resource Confidence

Confirmation of high-grade mineralisation enhances confidence in the resource model and estimates.

BULK SAMPLING Outcomes

Cashflows

Generate cashflows by gravity recovered gold.

Enhanced Understandings

- Geotechnical parameters defined.
- Mineralised envelope geometry.
- Mining Methodology.

Economic Value of Stockpiles

Residual gold values in stockpiles provides additional economic potential that can be realised.

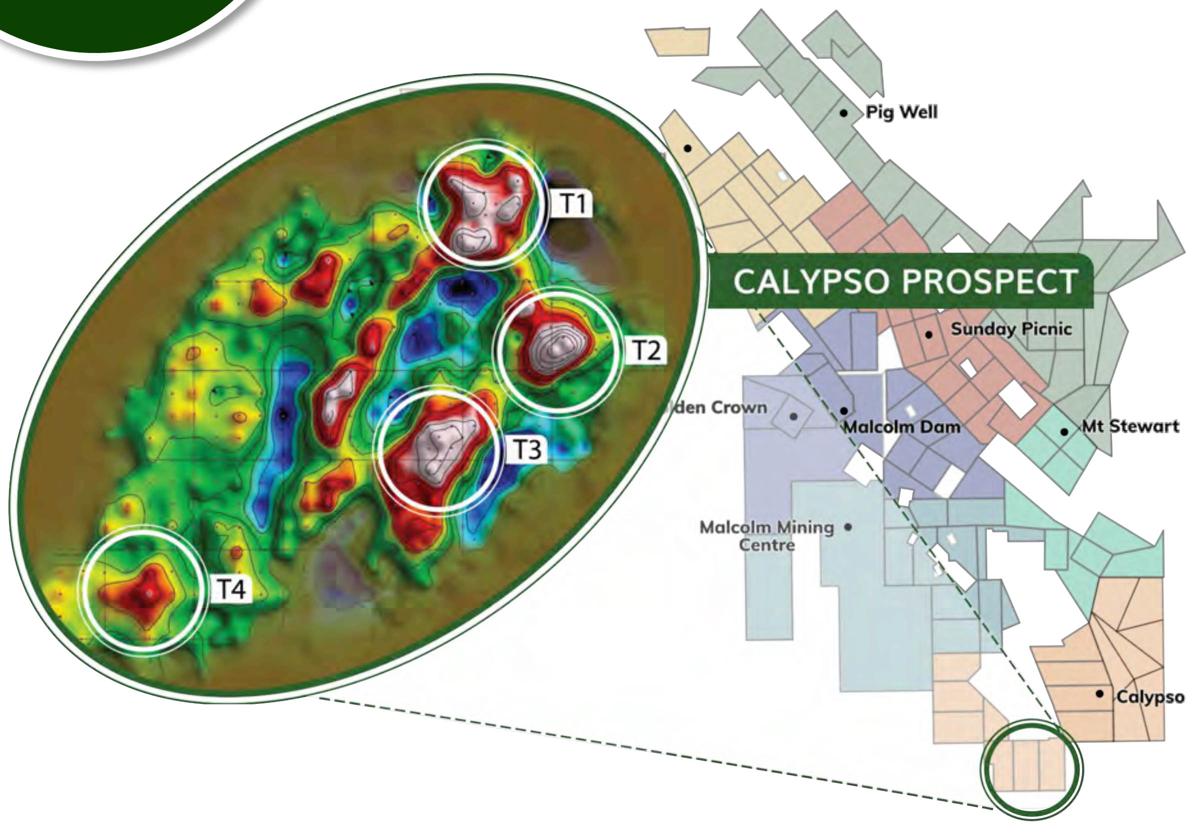
STRATEGIC Pathway

1. Expansion of known Mineralisation and Model Refinement.
2. Infrastructure and Processing Options.
3. Stakeholder Engagement and Communication.
4. Environmental compliance.
5. Pilot Mining and Early Revenue Generation.

GOLDEN CROWN

CALYPSO

High Density Anomalies
High-Potential Gold Prospect



Simple Bouguer Anomaly (T1-T4) at Calypso gold prospect.

Discovery of a new lode. Constance Lode (T3) at SW plunge of T2 through M2M drilling.

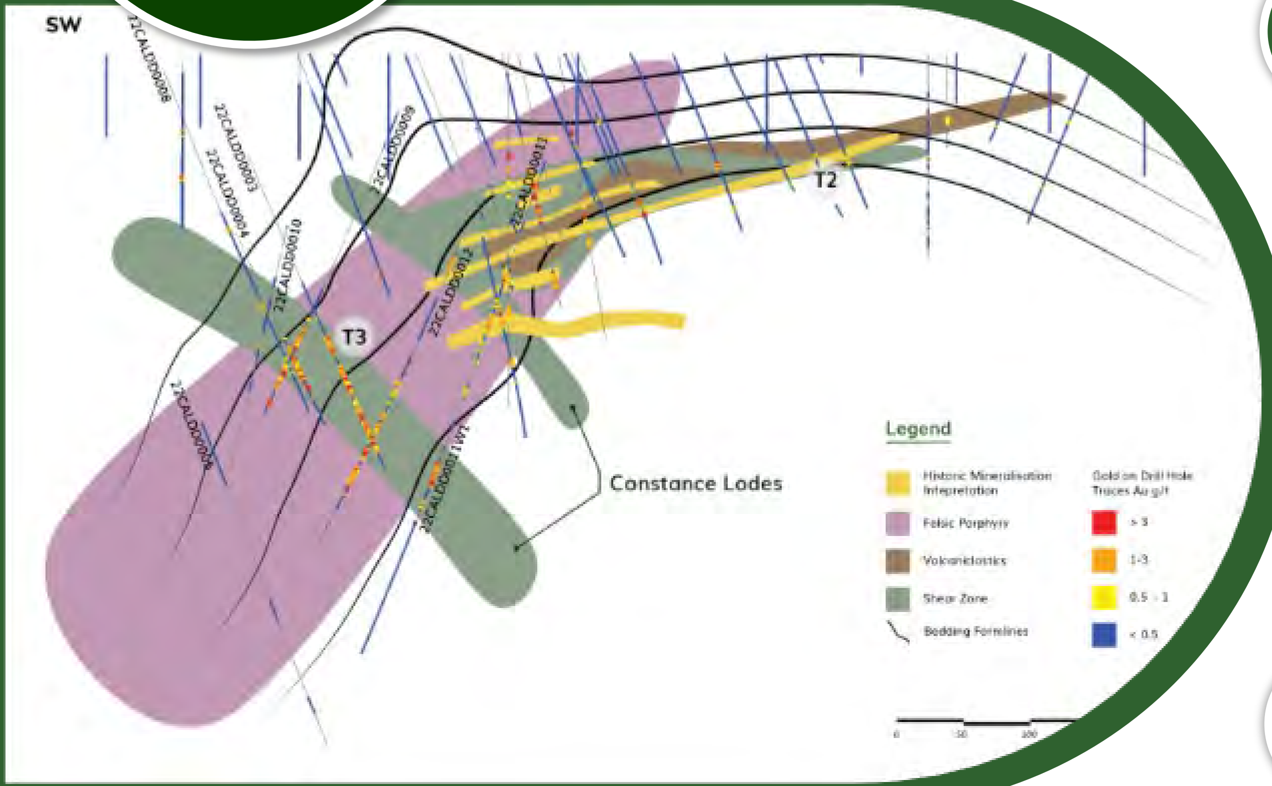
Delineation of four prominent high density gravity anomalies associated with strong magnetics.

Mineralisation control analogous to structural setting of Wallaby multi-million ounce gold deposit.

M2M ASX: Calypso Exploration Update, 27th April 2022.

CALYPSO

Established Exploration Target



Exploration target* at the Calypso prospect of between 2.9 Mt to 3.9 Mt at grades ranging from 1.6 g/t to 2.2 g/t Au[1] (150koz-275koz).

40,000m of drilling database.

10 M2M RC holes totaling 1,280m confirming historical exploration.

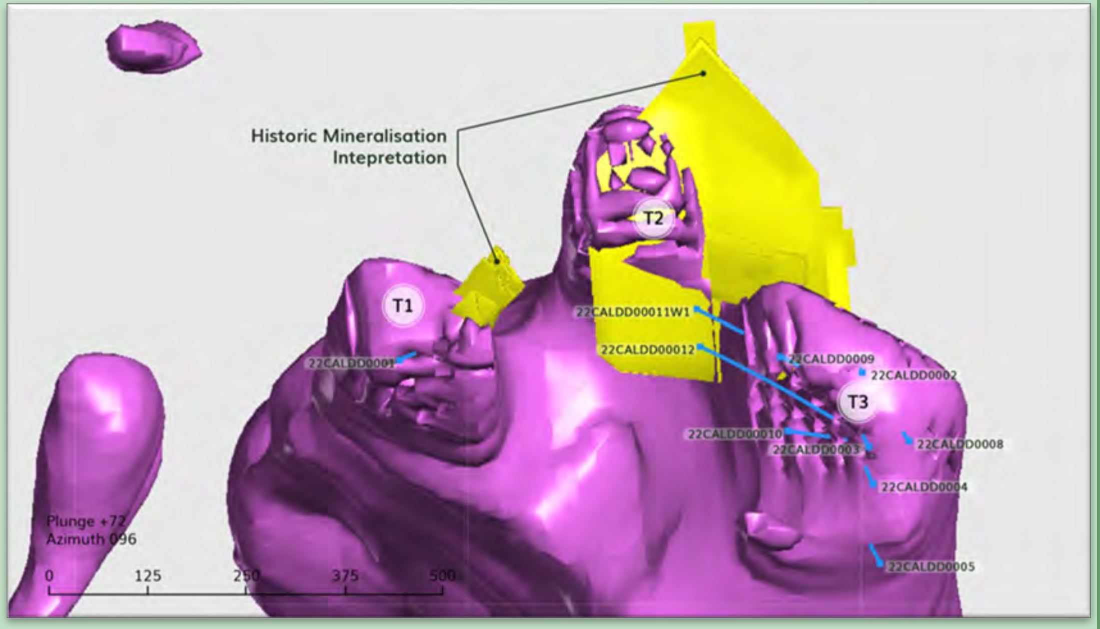
Deep diamond drilling (10 holes for 3,636 m) revealed T3 discovery. Extensions of gold mineralisation down plunge from the T2 target (approx. 400m).

* Note: The potential quantity and grade of the Exploration Target is conceptual in nature and as such there has been insufficient exploration drilling conducted to estimate a mineral resource. At this stage it is uncertain if further exploration drilling will result in the estimation of a mineral resource. The Exploration Target has been prepared in accordance with the JORC Code (2012).

[1] M2M's ASX release 8th Sept, 2021 Prospectus and TNR ASX: 22/2/2019.

CALYPSO
Gold Prospect

Geological Context



Isometric view of Target areas (T1-T3) with drill traces and historic interpreted mineralisation panels.

- High density anomalies correspond to interpreted favourable geological settings.
- Deformed mafic sedimentary sequence intruded by quartz stockworks and felsic porphyry, contacts hosting significant gold mineralisation.
- Repetition of controlling shear zones makes for predictable targeting/infill drilling.
- Constance Lode mineralisation concentrated along porphyry-magnetic sediment contacts within shear zones, a characteristic also observed at the Wallaby deposit.
- Untested intersection of a conglomerate with the porphyry tectonic corridor, greatest mineralisation upside.

CALYPSO Key Drilling Results

* 16.21m @ 4.01 g/t Au (22CALDD011W1: 343.25-359.46m) incl. 0.57m @ 25.81 g/t Au (352.05-352.62m).

* 2.00m @ 7.39 g/t Au (229 -231m) and 18.04m @ 1.23 g/t Au (267.87 - 285.91m) in 22CALDD009.

* 12.46m @ 2.41 g/t Au (22CALDD003: 272.84-285.30m).

* 9.7m @ 2.30 g/t Au (22CALDD012: 339-349m).

**35.4m @ 0.98 g/t Au (MAD015: 5-40m) incl. 3.81m @ 10.4 g/t Au (8-11.6m).

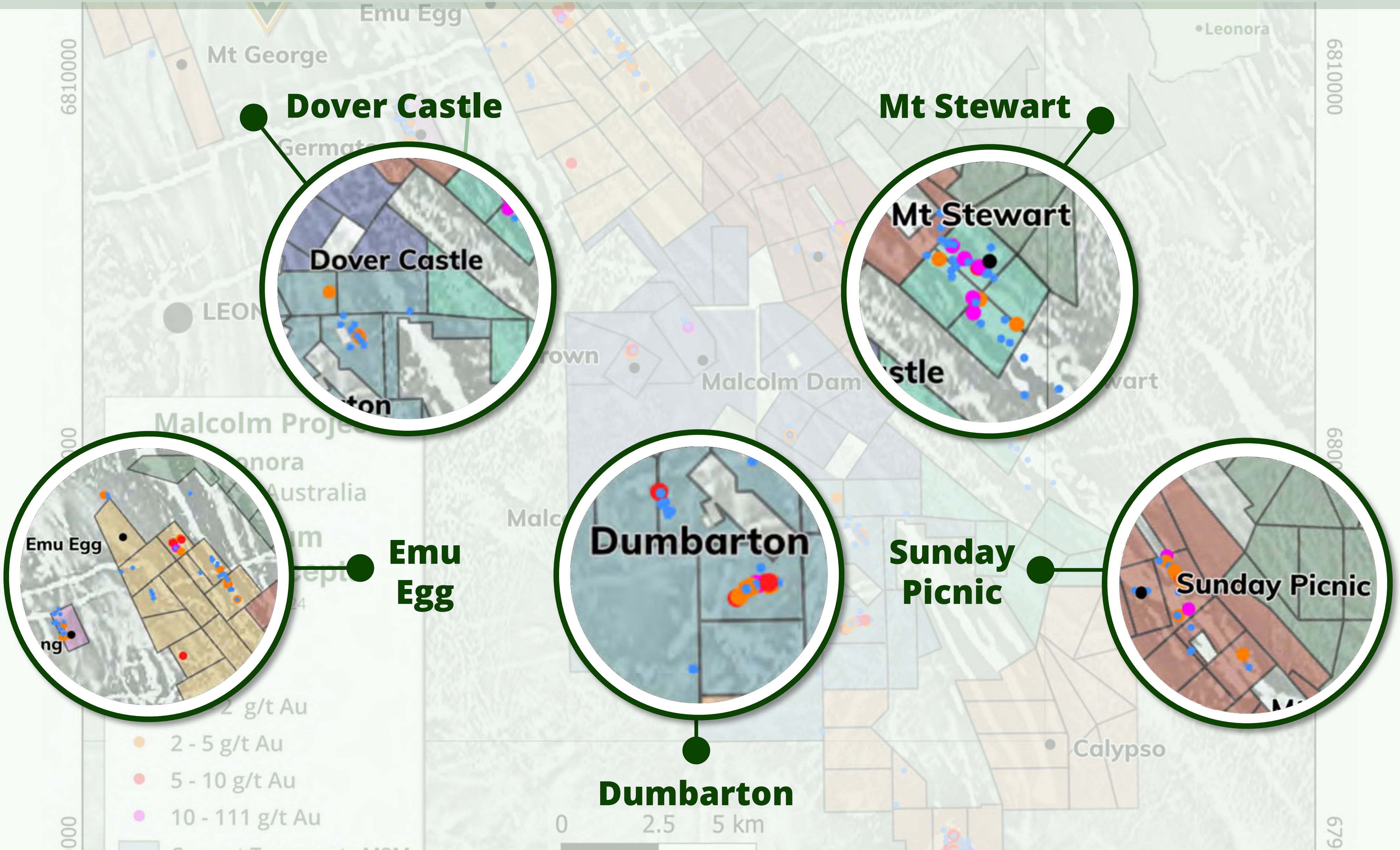
** Historical drill intercepts, BHP 1985, (A14948).WA DMIRS/Data and Software Centre/Statewide spatial datasets.

* M2M's ASX releases 9th August 2022, 7th Feb,2023 and Activities Report for the Quarter ending 31st March 2023.

CALYPSO What's Next

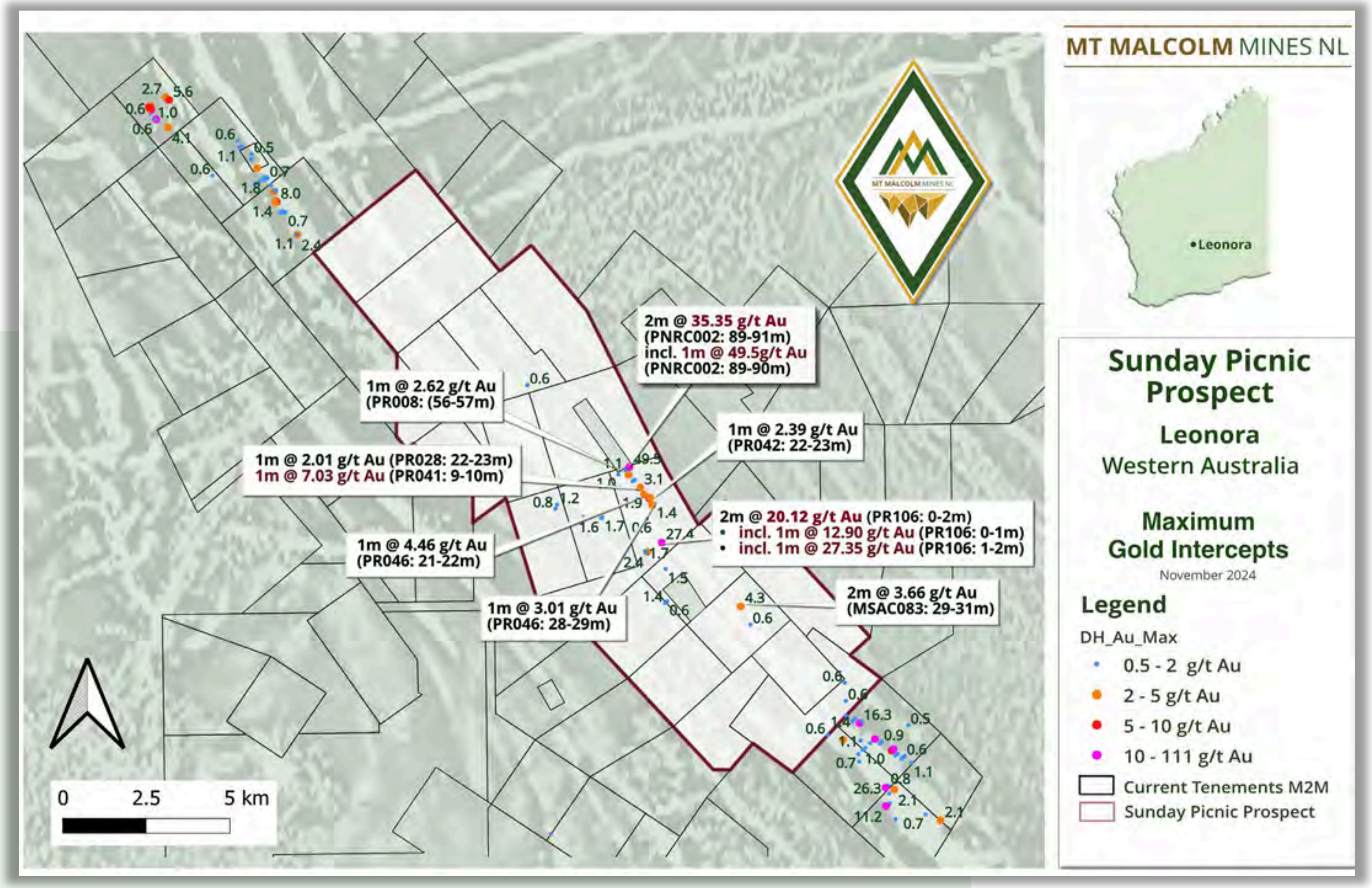
- Optimise targeting within T2-T3 corridor.
- Build upon the historic estimate 2.9-3.9 Mt at 1.6-2.2 g/t Au aiming for >300 Koz maiden resource.
- Seek aligned joint venture partnerships.

BROWNFIELD Gold Targets



SUNDAY PICNIC

AN ADVANCED GOLD PROSPECT
along strike of Sunday Mine



M2M's ASX release 8th Sept, 2021 Prospectus

N-NW faults and shears, related splays of the KKTZ with cross faulting being important in localising gold mineralisation.

Extensive geochemical anomalies and high-grade drill intercepts.

Numerous historical gold workings remain open along strike.

The Notable Historical Intercepts*

- 2m @ 35.35 g/t Au(89-91m), incl. 1m @ 49.5 g/t Au (89-90 m) in PNRC002.
- 2m @ 20.12 g/t Au (0-2m), incl. 1m @ 27.35 g/t Au (1-2m) in PR106.
- 1m @ 7.03 g/t Au (9-10m) in PR041.
- 1m @ 4.46 g/t Au (21-22m) in PR046.

SUNDAY PICNIC Key Drilling Results

What's NEXT

Initial 2000m AC drilling program to systematically test shear systems along the strike within the prospect.

*Pacrim Energy Ltd, 2004, 2006 (A88917)
M2M's ASX release 8th Sept, 2021 Prospectus

DUMBARTON

Geological Context

Mineralisation hosted in sheared basalt with quartz veining and carbonate alteration.

Up to three parallel shear zones with auriferous quartz veins extending beyond 700m in length.

M2M Identified significant gold mineralisation through 14-hole (1,612m) RC drilling program completed in 2022.

Similar geological characteristics to historic nearby underground mines at Richmond Gem & North Star.

Historic production site / workings at Dumbarton produced 281 tonnes @ 22.53 g/t Au (1899-1902).

DUMBARTON Key Drilling Results

*6m @ 2.86g/t Au (36-42m) incl.
2m @ 6.5g/t Au (36-38m) in 22DBRC004.

*20m @ 1.34g/t Au (77-97m) incl.
7m @ 2.22g/t Au (77-84m) in 22DBRC005.

*4m @ 2.52g/t Au (25-29m) incl.
1m @ 9.11 g/t Au (26-27m) in 22DBRC008.

*8m @ 2.1 g/t Au (28-36m) incl.
1m @ 10.6 g/t Au (31-32m) in 22DBRC019.

**4m @ 7.44 g/t Au (35-39m) incl.
1m @ 18.30 g/t Au in MB1.
Nova Resources NL, 1986.

*M2M's ASX release 16th May, 2022 and 23rd Nov, 2022.

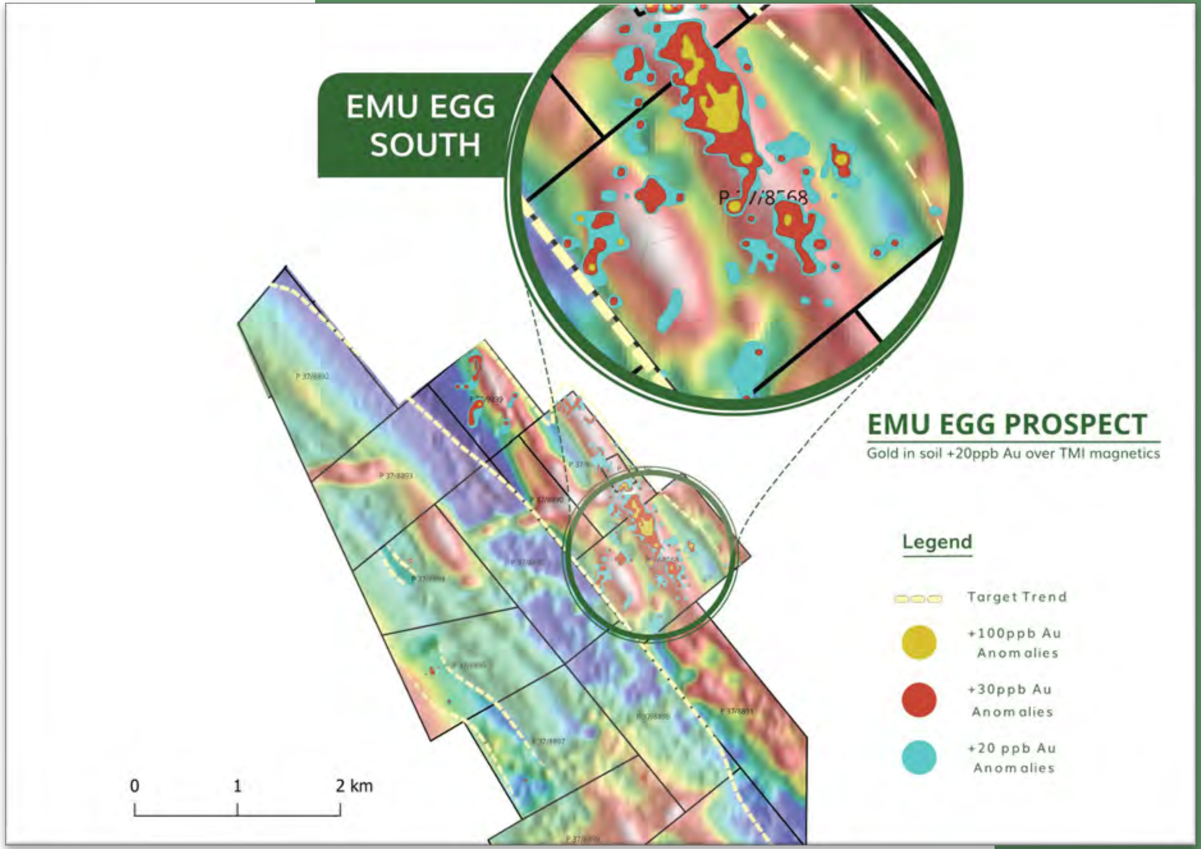
**M2M's ASX release 8th Sept, 2021 Prospectus.

Dumbarton What's Next

- Follow up drilling: extension and depth.
- Progress towards maiden resource estimates.
- Evaluate mining options.

EMU EGG

Extensive Mineralised Corridor
Proximal to KKTZ



High intensity shear zones hosting gold mineralisation in proximity to Kieth Kilkenny Tectonic Zone.

The magnetic highs coincide with extensive, 4km, gold-in-soil anomaly (+20ppb).

Numerous significant drill intersections with anomalous gold from historic drilling.

EMU EGG Key Drilling Results

*12m @ 2.23 g/t Au (26-38m) incl.
*6m @3.92 g/t Au (30-36m) in bm_RC34.

*6m @ 3.74 g/t Au (16-22m), incl.
*2m @ 9.99 g/t Au in bm_RC22.

*30m @ 1.35 g/t Au (30-60m),incl
*8m @ 3.61 g/t Au (46-54m) in BRRB101.

**2m @ 2,293 ppm Co (24-26m) 1m @ 4,820 ppm Cr (19-20m), 8m @ 2,826 ppm Ni (19-27m), 3m @ 3,729 ppm Cr and 3m @ 4,538 ppm Ni (24-27m) EOH in MCAC067.

1.77kg of alluvial gold nuggets were surface mined near historical drillhole BRRB056, which intercepted 9m @ 2.17g/t Au (27-36m), incl. 4m @ 3.96g/t Au (30-34m)*.

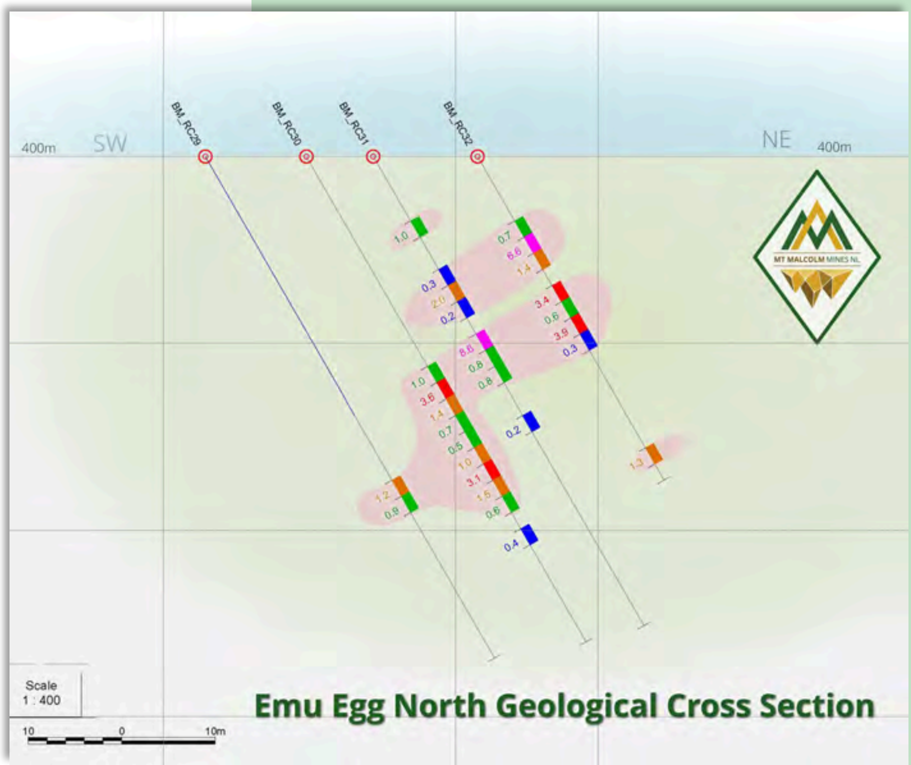
*M2M's ASX release Emu Egg Prospect Area Update12th Oct 2022.
** Historical drill intercepts (A70204).

EMU EGG What's Next

Program of Work (POW) approved by DEMIRS for upcoming RC drilling.

Follow up drilling scheduled to extend the mineralisation and test the magnetic high associated gold in soil anomalies.

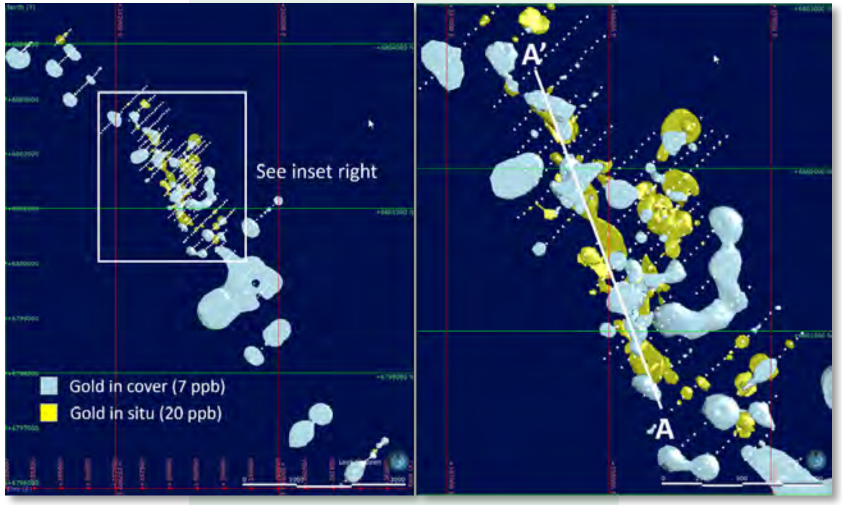
The program is also aimed at confirmation of pre JORC intersections and testing depth extensions to at least 120m.

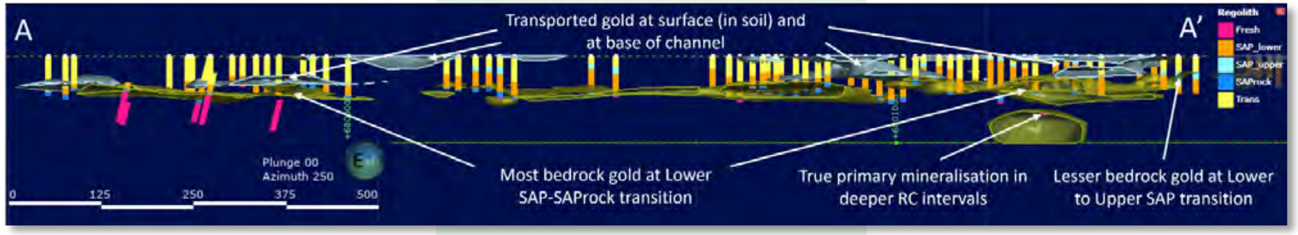


Emu Egg North Geological Cross Section

MT STEWART

DISTINCTIVE SIGNATURE FOR GOLD MINERALISATION
Through Regolith Geochemistry





Long Section showing regolith anomalism and its continuity in the primary mineralisation.

- The geology comprises contact between sheared mafic sequence and minor ultramafic and felsic sequence.
- Comprehensive regolith review completed, establishing links between local geology and gold geochemistry.
- Numerous high-grade intercepts within historical data.
- Further drilling is required to define the mineralisation and fully assess the prospect's scope for mining.

The Notable Historical Intercepts*

1m @ 78.97 g/t Au (108-109m) in MSRCH021.

3m @ 7.32 g/t Au (68- 71m), incl.
1m @ 20.8 g/t Au (68-69m) in MSRCH003.

7m @ 4.84 g/t Au (42-49m), incl.
1m @ 16.3 g/t Au (45-46m) in MSAC339.

5m @ 3.53 g/t Au (51-56m) incl.
2m @ 8.14 g/t Au (51-53m) in MSAC035.

MT STEWART Key Drilling Results

*Hannans Rewards NL, 2005, 2009 (A71905/A82418/ A87858)

DOVER CASTLE

HISTORIC HIGH GRADE GOLD SITE

Key Focus Area for Resource Growth

Historic workings at Dover Castle

Archean greenstones NW- NNW trending shear zone with localised gold mineralisation characterised by steeply dipping auriferous quartz veins.

Produced 378 oz of gold at an average grade of 26.6 g/t Au (1897-1900) and 90 oz of gold at 25 g/t Au (1901-1907).

Numerous historical gold workings remain open along strike.

*Key Historic Drill intersections Jubilee (1995) & Torian (2017) incl:

16m @ 2.34 g/t Au (4-20m) MSR185. DCRC005 24m @ 2.48 g/t Au (10-34m) incl 5m @ 7.37 g/t Au (18-23m).

**M2M's ASX release 8th Sept, 2021 Prospectus.

MALCOLM KING

UNTESTED HISTORICAL WORKINGS

Shallow High-Grade Gold Intercepts

- Greenstone sequence of interbedded mafic and felsic volcanics with auriferous quartz veining.
- Numerous Historic shallow high grade Au intercepts extending mineralisation defined by historic workings.
- The Malcolm King has numerous old workings that have not been fully drill-tested.
- Native Title negotiations have commenced in preparation for drill planning.

Key Historic Drilling Intercepts* (Jubilee, 1995)

- 8m @ 5.69 g/t Au (42-50m) incl.
  4m @ 10.08 g/t Au (44-48m) in MRC077.
- 5m @ 5.09 g/t Au (29-34m) incl.
  2m @ 7.48 g/t Au (32-34m) in MRC065.
- 8m @ 1.14 g/t Au (40-48m) in MRC081.
- 7m @ 4.84 g/t Au (42-49m), incl.
  1m @ 16.3 g/t Au (45-46m) in MSAC339.

MALCOLM KING

Key Drilling Results

**M2M's ASX release 8th Sept, 2021 Prospectus .

Lithium & Base Metals Exploration

Lake Johnston

Lithium Project

Located 10km west of LCT pegmatite prospects at Mt Day, and 60 km east of the Earl Grey.

Li

Mt Feldtmann

Lithium Project

Prospective for lithium, REE, and base metals..

Cu Ni ZN Li REE

Mt Stewart

REE, Nickel, Copper

REE, Nickel, Copper and Potential

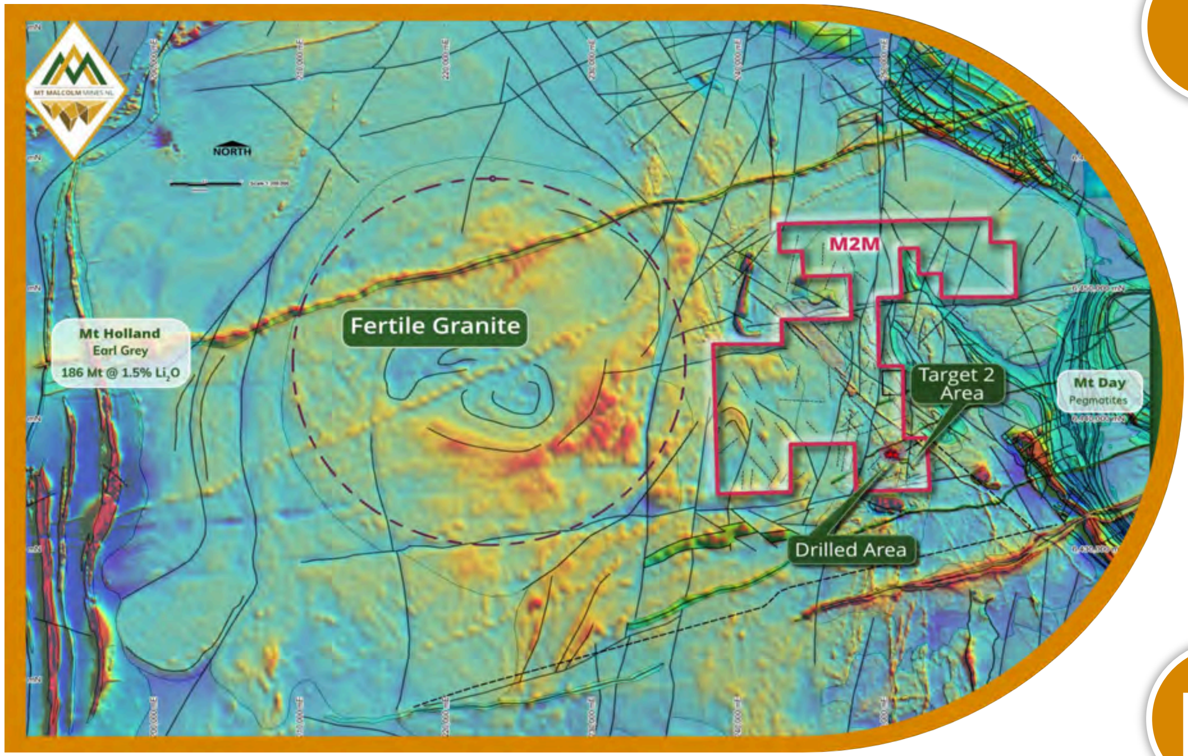
Cu Ni REE

LAKE JOHNSTON

Highly Fertile Lithium Mineralisation Area

Limited Historical Exploration

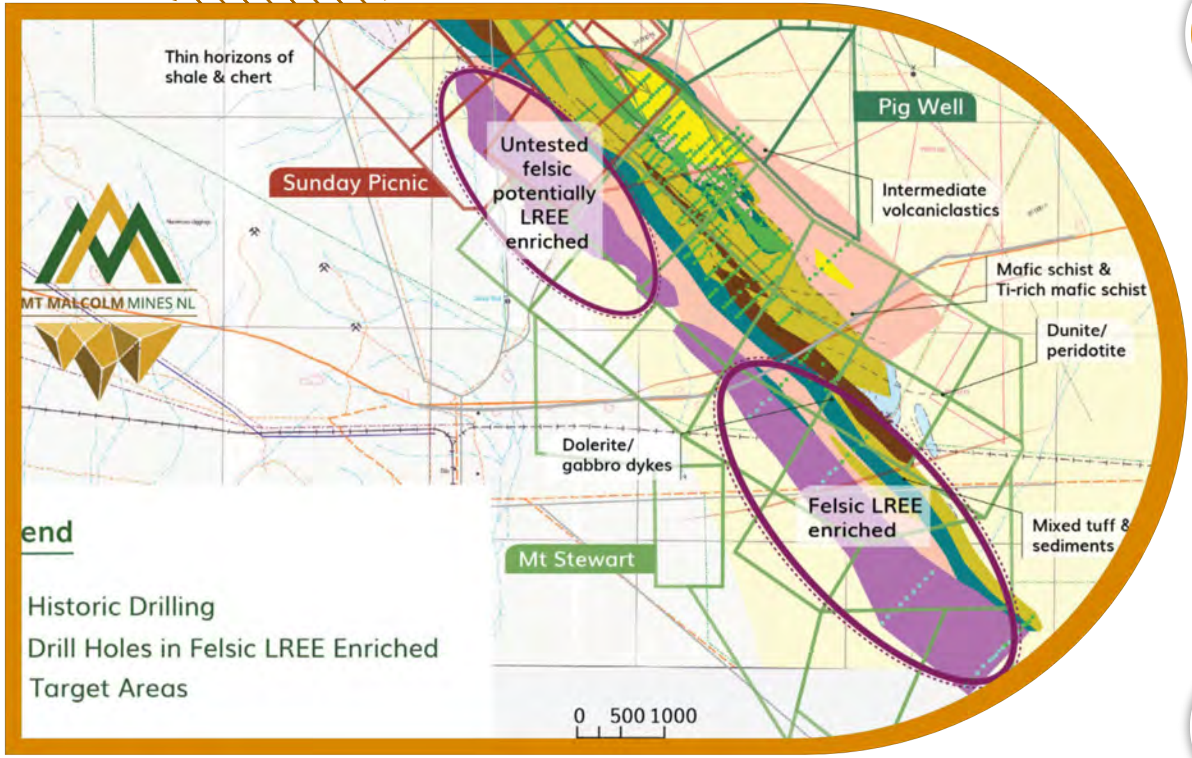
200km² of prospective land in the Lake Johnston area



- Located (Dundas Mineral Field, 450km east of Perth) in the Emerging lithium "hot spot" with recent successes in the area.
- Fitting to the 'Goldilocks" geological model. Proximity to fertile granitic domes and greenstone contacts.
- Historical drill logs confirming pegmatite occurrences.
- Re-logging of collected spoil samples indicates extensive pegmatite occurrences.

MT STEWART

REE POTENTIAL



Enriched BOH LREE results from historical drilling at Mt Stewart prospect.

- Anomalous pxRF REE results - 0.38% Ce, 0.21% La, 0.15% Nd and 0.05% Pr*.
- The Historic aircore holes have BOH samples enriched LREE over the target zone.
- Potential porphyry intrusion with a magmatic signature.
- Planned follow-up to extend REE mineralized footprint.

*M2M's ASX release 20th March, 2023.

Exploration Plans

2025

- Define Total Mineral Resources across the Malcolm Project. (Calypso, Golden Crown, Golden Valley, Dumbarton and Emu Egg Prospects).
- Evaluate the project's economic potential by tailor fit financial studies to assess future mining.
- Continuous stakeholder engagement.

COMMUNITY Engagement

2025

Partnerships with local communities with more than 30 years of community connections.

Commitment to sustainable exploration.

Strong collaborations with the Native Title holders of the area.

CORPORATE Overview

Board of Directors

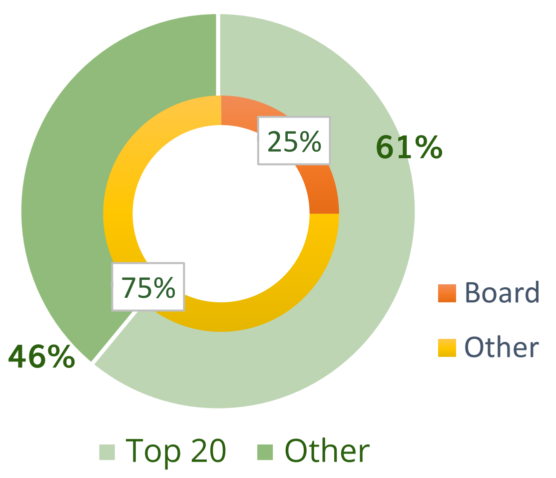
Chairman
Robert Downey

Managing Director
Trevor Dixon

Technical Director
Daniel Tuffin

Non-Executive Director
Gary Powell

Shareholder Structure



Capital Structure

ASX Code	**M2M**
Share Price (on 14th Feb' 25)	$0.02
Cash at Bank (on 31st Dec'24)	$300,000
Total shares on issue	226,475,619
Market Cap	$4.53M
Options	8,515,560

Trevor Dixon | Managing Director

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AMEC
2025 MEMBER
ASSOCIATION OF MINING
AND EXPLORATION COMPANIES