

A photograph of two workers in safety gear (hard hats and high-visibility vests) standing and talking at a mining site. The background shows industrial equipment and other workers. The image is overlaid with a semi-transparent dark grey box containing text.

Emerging future facing portfolio of copper, cobalt, bismuth and gold

Precious Metals Summit | September 2022

Rob Bills – Managing Director &
Chief Executive Officer



emmerson
resources

Important Notice and Disclaimer



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The Company does not undertake any obligation to update forward-looking statements even if circumstances or management's estimates or opinions should change. Forward-looking statements are provided as a general guide only and should not be relied on as an indication or guarantee of future performance. Given these uncertainties, investors should not place undue reliance on forward-looking statements. The Company cautions investors against using this announcement solely as a basis for investment decisions without regard for this disclaimer.

Regulatory Information

The Company does not suggest that economic mineralisation is contained in the untested areas, the information contained relating to historical drilling records have been compiled, reviewed and verified as best as the Company was able. As outlined in this presentation the Company is planning further drilling programs to understand the geology, structure and potential of the untested areas. The Company cautions investors against using this announcement solely as a basis for investment decisions without regard for this disclaimer.

Competent Person Statement

The information in this presentation that relates to Exploration Results is based on information compiled by Dr Ana Liza Cuison, MAIG, MSEG. Dr Cuison is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which she 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. Dr Cuison is a full-time employee of the Company and consents to the inclusion in this report of the matters based on her information in the form and context in which it appears.

The information in this presentation that relates to Mineral Resource estimate and classification for the Chariot Gold deposit and Mauretania Gold deposit is based on information compiled by Justine Tracey. Justine Tracey is an employee of Optiro Pty Ltd, and a Member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Justine Tracey has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity she 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 ('the JORC Code')". Justine Tracey consents to the inclusion in the report of the matters based on the 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 previous market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. 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 announcements.

Authorised for release by the Managing Director, Mr Rob Bills.

Investment Highlights



Commanding land positions in NT and NSW

Tennant Creek (NT) is one of Australia's highest grade gold provinces

Macquarie Arc (NSW) – home of the giant copper-gold deposits



Track record of discoveries from systematic science-based exploration

Hermitage Discovery hole:

116m at 3.4% copper and 0.88g/t gold, ending in 2m at 20g/t gold and 3.9% copper

Hermitage Phase 2 drilling:

94m at 2.7% copper, 5.6g/t gold, 18g/t silver, 0.45% bismuth, ending in **4.8m at 19.5% copper, 214g/t gold, 103g/t silver, 13.75% bismuth and 0.12% cobalt**



Pathway to grow and realise value from Tennant Creek

New Strategic Alliance with TCMG over the NPA and SPA

Secures \$10.5m Exploration Earn-in and JV (incl. mining JV)

Emmerson retains 100% of Hermitage, Jasper Hills and Edna Beryl



Highly credentialed and committed Board and Management Team

Majority have been with Emmerson since 2007



Creating an emerging gold royalty business

TCMG – well credentialed partner that is funding mining and the new centralised mill in Tennant Creek

Emmerson to receive a low risk 6% gold royalty from each mine



Planning an aggressive program in Tennant Creek and NSW

- **Hermitage** (NT) - Phase 2 drill program just completed
- **Kiola** (NSW) – phase 2 drill program in late 2022
- ERM awarded 3 out of 3 co-funding collaboration grants by NT Govt - drone mags started in NPA
- Drilling (brownfields and greenfields) in JV areas (NT)
 - ~\$1.0m drilling starting next week at Golden Forty

The Discovery Team

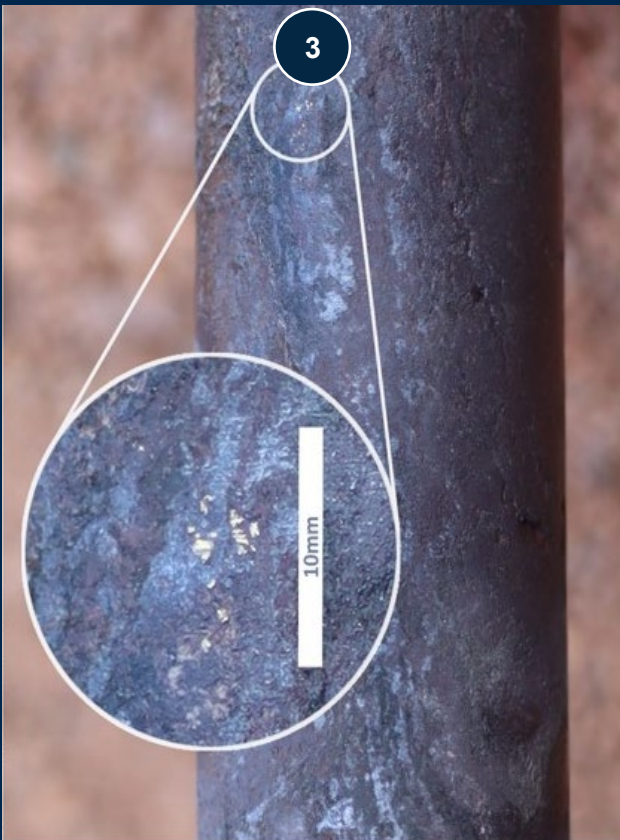
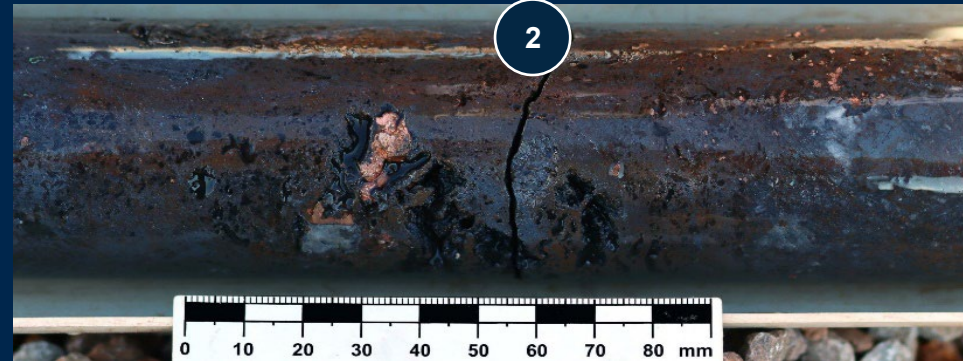
Hermitage Project - Tennant Creek NT
100% ERM project (*not part of the JV*)

Discovery drill hole in November 2021 – ranked as one of the best global copper intersections... with more to come!



Visual Gold & Copper in HERCDD010:

New zones of gold and copper now with depth potential (ASX: 14 June 2022)



Four main zones of mineralisation in HERCDD010 (from shallow to deep):

Photo 1: malachite (copper carbonate) in hematite ironstone with voids/vugs (from 83m).

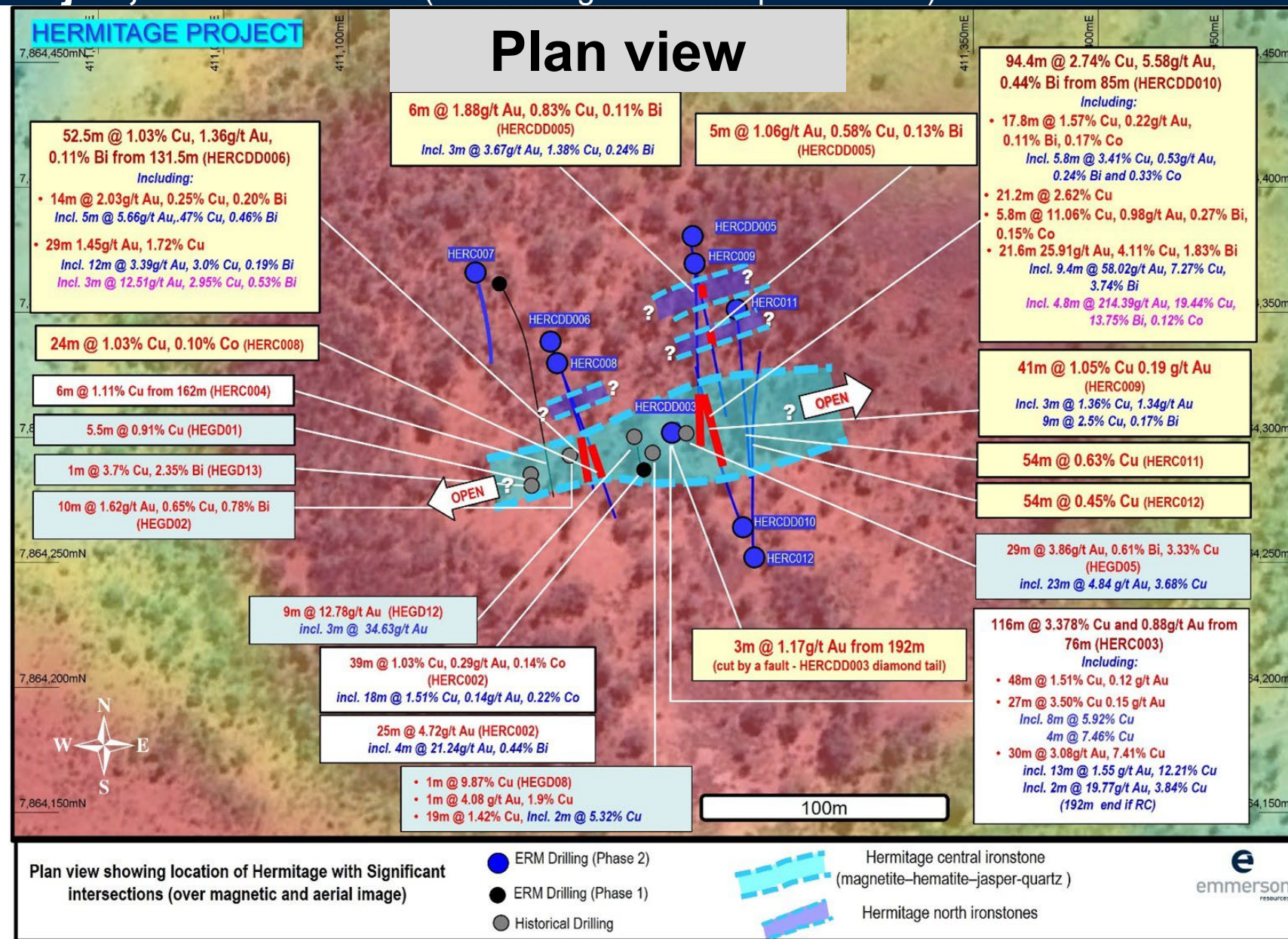
Photo 2: native copper (dark brown and brassy color) in hematite-magnetite ironstone and vugs (from 129.6m).

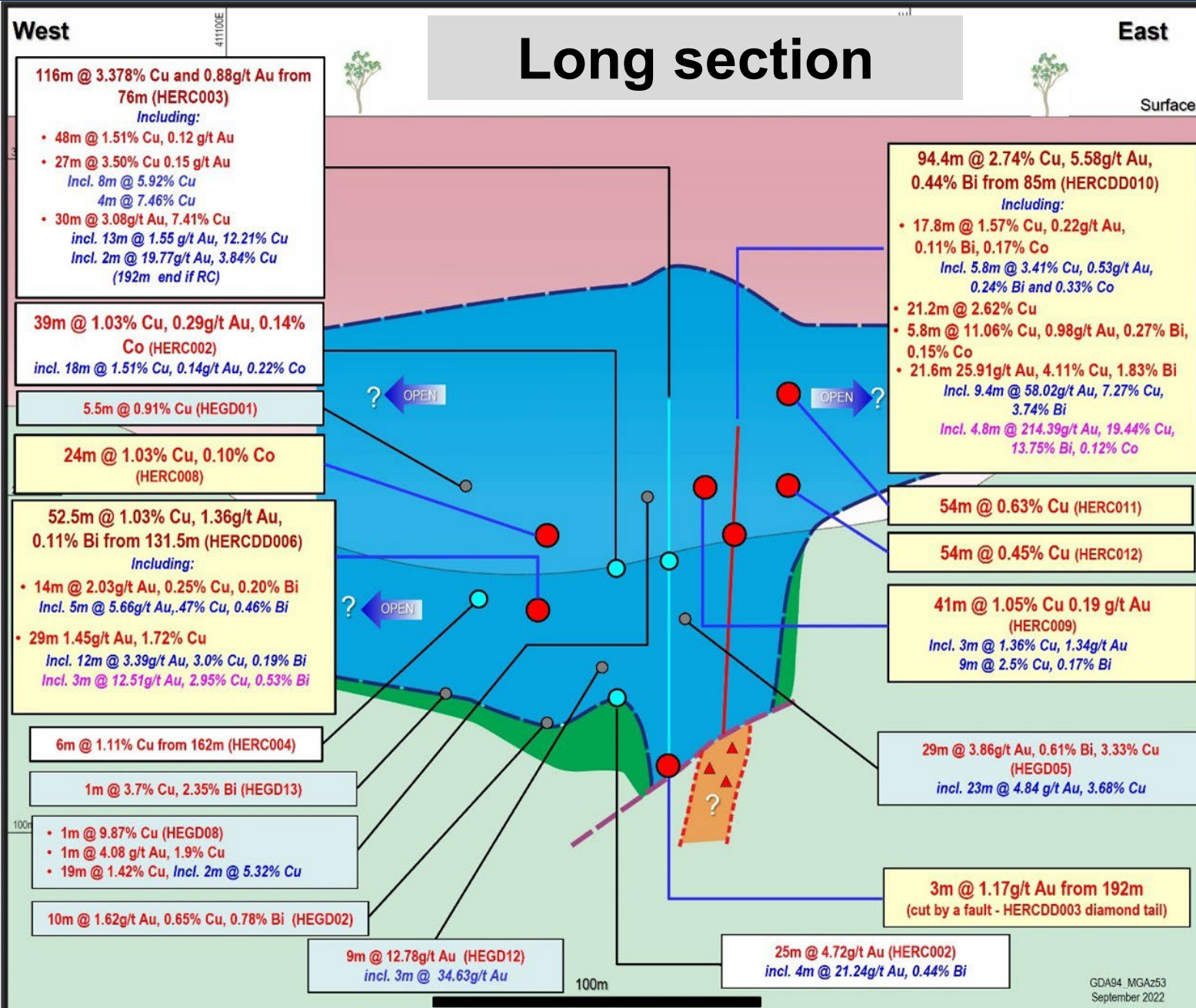
Photo 3: **free disseminated gold** in hematite-magnetite-quartz ironstone (from 164.7m).

Photo 4: **new zone** (below the fault) of chalcopyrite (yellow) and bornite (purple/brown) in quartz stockwork veins (from 190m).

Exceptional high-grade copper, gold, bismuth and cobalt at 100% owned

Hermitage Project, Tennant Creek (ASX: 17 August and 13 September 2022)





HERMITAGE

Long section along
080 azim ± 15m window
Looking NNW

Legend:

- ERM Drilling (Phase 2)
- ERM Drilling (Phase 1)
- Historical Drilling
- Hermitage central ironstone (Magnetite-Hematite-Jasper-Quartz)
- Dark chlorite alteration halo ('Chlorite rock')
- Breccia zone (quartz - dolomite-hematite) with chalcopyrite blebs and matrix fill
- Fault (post mineralisation)

Warramunga Formation

- Siltstone, shale, sandstone, greywacke (hematite alteration/ oxidized)
- Siltstone, sandstone

Highlights

Phase 1 drilling

- 116m @ 3.4% Cu and 0.88g/t Au incl:
 - 2m @ 20g/t Au & 3.8% Cu

Phase 2 drilling







- 94m @ 2.7% Cu, 5.6g/t Au, 17.9g/t Ag, 0.44% Bi incl:
 - 21.6m @ 4.1% Cu, 26g/t Au, 75g/t Ag & 1.83% Bi
 - 9.4m @ 7.27% Cu, 58g/t Au & 3.7% Bi

Cross section

HERMITAGE

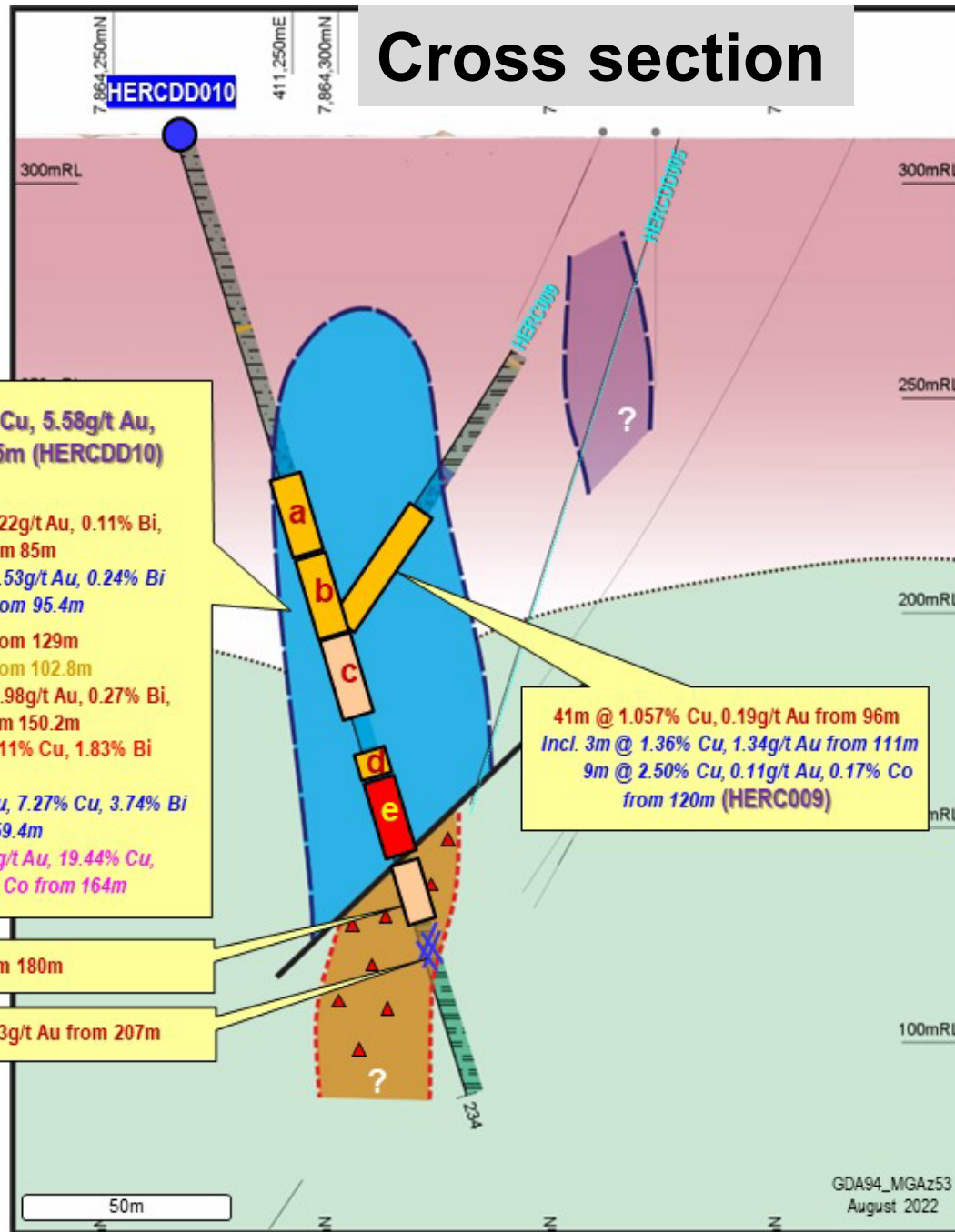
HERCDD010 Cross ± 10m window

Legend:

-  ERM Drilling Phase 2
-  Main ironstone
(Magnetite-hematite-jasper-quartz ironstone)
-  Ironstone north
(new mineralisation - jasper-hematite-quartz)
-  Fault - post mineralisation
-  Hydrothermal breccia zone of quartz-dolomite-hematite that hosts chalcopyrite as both blebs and matrix fill
-  Stockworks of hematite-quartz, stringers of chalcopyrite ± bornite

Warramunga Formation

-  Siltstone, shale, sandstone, greywacke (hematite alteration/oxidized)
-  Siltstone, sandstone



94.4m @ 2.74% Cu, 5.58g/t Au, 0.44% Bi from 85m (HERCDD010)

Including:

- (a) 17.8m @ 1.57% Cu, 0.22g/t Au, 0.11% Bi, 0.17% Co from 85m
- Incl. 5.8m @ 3.41% Cu, 0.53g/t Au, 0.24% Bi and 0.33% Co from 95.4m
- (b) 21.2m @ 2.62% Cu from 129m
- (c) 26.2m @ 0.28% Cu from 102.8m
- (d) 5.8m @ 11.06% Cu, 0.98g/t Au, 0.27% Bi, 0.15% Co from 150.2m
- (e) 21.6m @ 25.91g/t Au, 4.11% Cu, 1.83% Bi from 157m
- Incl. 9.4m @ 58.02g/t Au, 7.27% Cu, 3.74% Bi from 159.4m
- Incl. 4.8m @ 214.39g/t Au, 19.44% Cu, 13.75% Bi, 0.12% Co from 164m

• 15m @ 0.48% Cu from 180m

• 1m @ 0.56% Cu, 0.33g/t Au from 207m

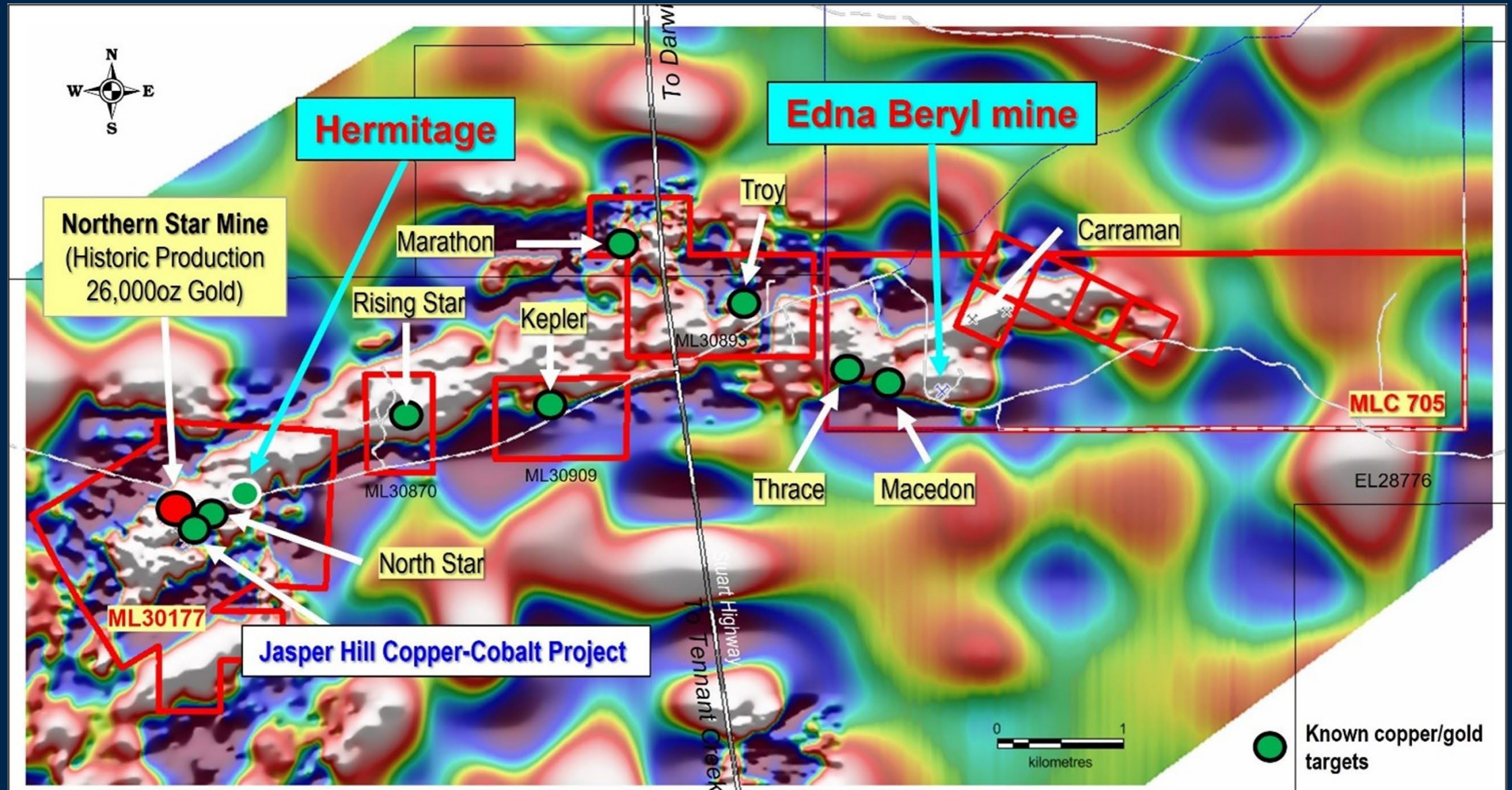
41m @ 1.057% Cu, 0.19g/t Au from 96m
Incl. 3m @ 1.36% Cu, 1.34g/t Au from 111m
9m @ 2.50% Cu, 0.11g/t Au, 0.17% Co from 120m (HERC009)

Building scale at Hermitage...

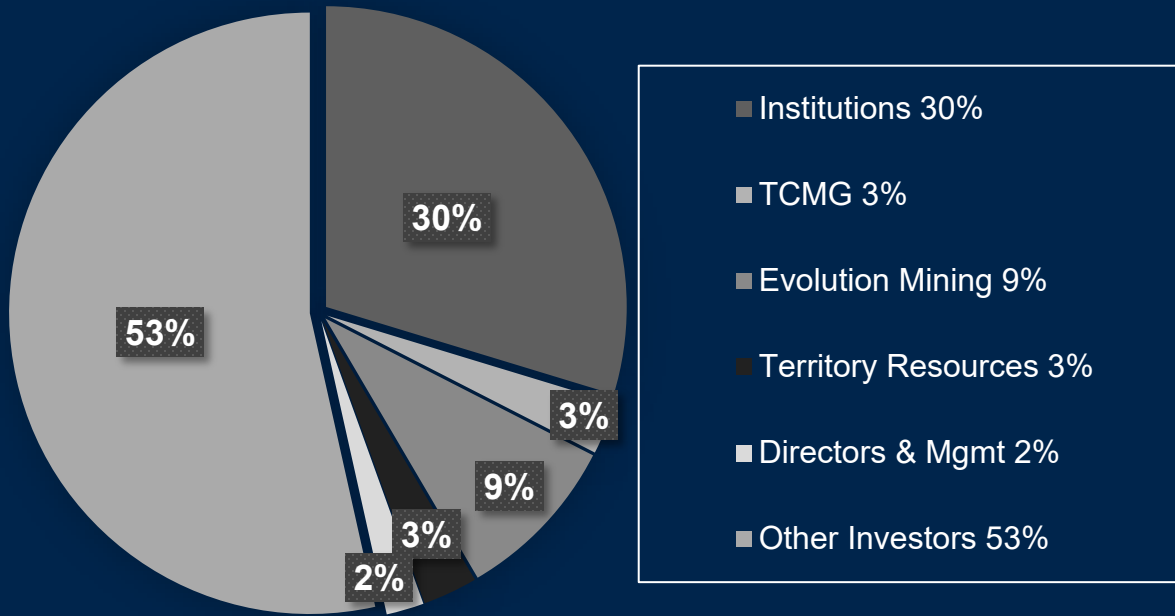
DEPOSIT	PLAN	CROSS SECTION	LONG SECTION
Warrego 6.9 Mt 1.46m oz Au 172 500 t Cu			
Nobles Nob 2.14 Mt 1.14m oz Au			
Gecko Au 257 000 oz 320 000 t Cu			
White Devil 1.7 Mt 734 000 oz Au			
Juno 0.46 Mt 864 000 oz Au			
Argo 0.3 Mt 135 000 oz Au			

- Tennant Creek Mineral Field... one of the highest-grade gold fields in Australia
- Typically, small footprint but exceptionally high value deposits
- Hermitage geometry on scale and still open (based on phase 1 & 2 drilling)
- To date ~100m strike and ~30m thick central ironstone (plan view)
- Plunge (long section) unknown below the fault... and subject of the next drill program

Emmerson have pioneered the exploration approach and tools to discover more of these high value, small footprint deposits



Capital Structure



12 month share price



CORPORATE SNAPSHOT

ASX code	ERM
Shares on issue	544.71 million
Options on issue – unlisted¹	101.88 million
Performance rights on issue	6.00 million
Market capitalisation (\$0.105/share – 29/7/22)	\$57.19 million
Cash (30/6/22)	\$8.96 million
Enterprise value (29/7/22)	\$48.23 million

1. Exercise price range from \$0.11 to \$0.20. Expiry date range from April 2023 to December 2025.

Board of Directors



Mr. Andrew McIlwain
B.Eng (Mining)
Non-Executive Chairman

Mining Engineer with more than 25 years' experience in operational, senior management and executive roles (MIM, WMC, UML & others).



Mr. Robert Bills
B.Sc, M.Sc, FSEG, FAIG
Managing Director and Chief Executive Officer

Geologist with over 30 years' experience in exploration, mining and senior management roles in WMC and BHP. Joined Emmerson in late 2007 as the Managing Director and CEO.



Dr. Allan Trench
B.Sc (Hons), Ph.D, M.Sc, MBA
Non-Executive Director

Geologist/geophysicist with extensive experience in strategy, project development and operations within the natural resource sector.

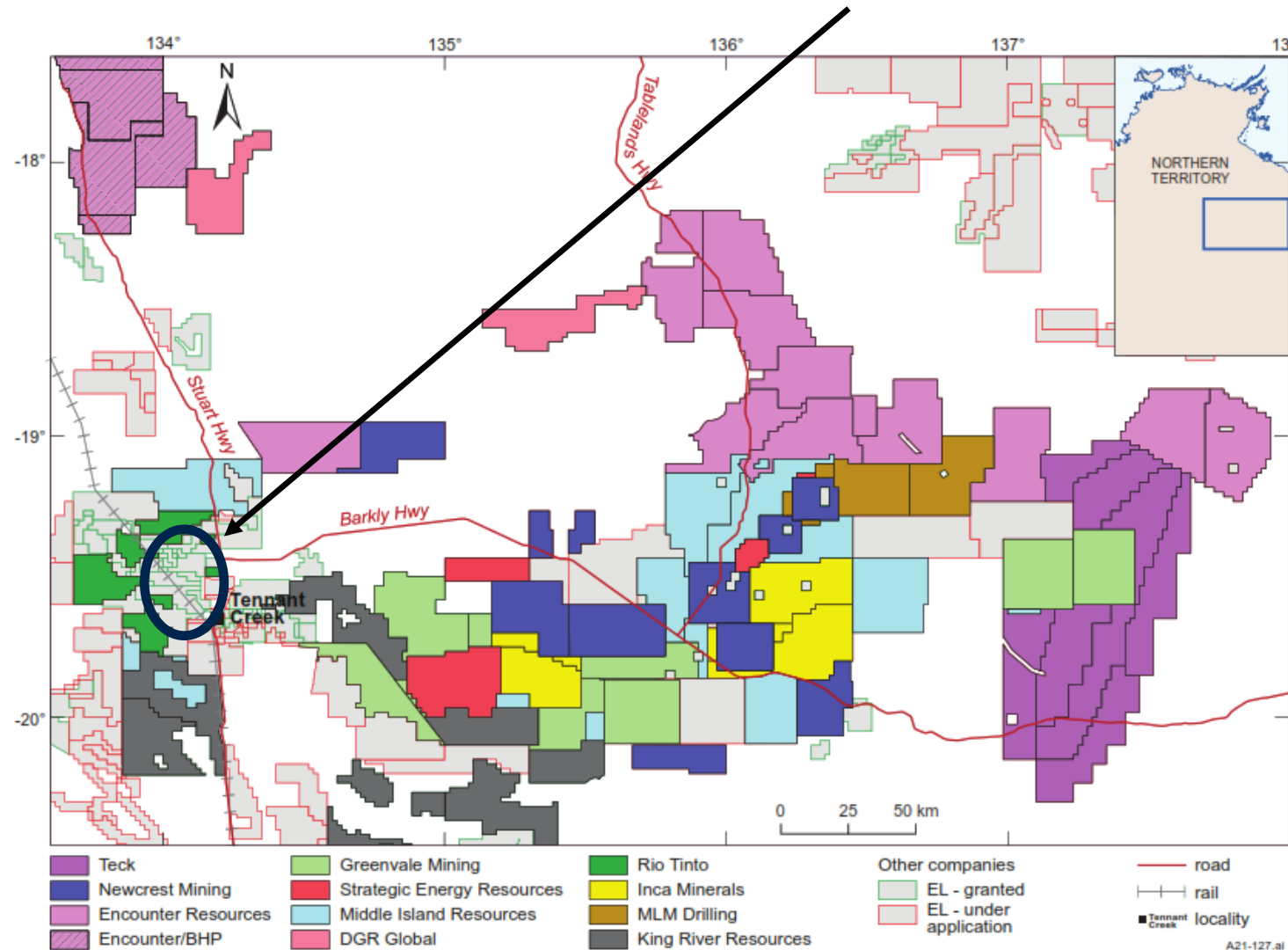


Alan Tate
B.Com, FCA, FAICD
Non-Executive Director

Commercial/finance leader with 30 years' experience with a focus on delivering shareholder value, including 15 years' within mining and energy industries.

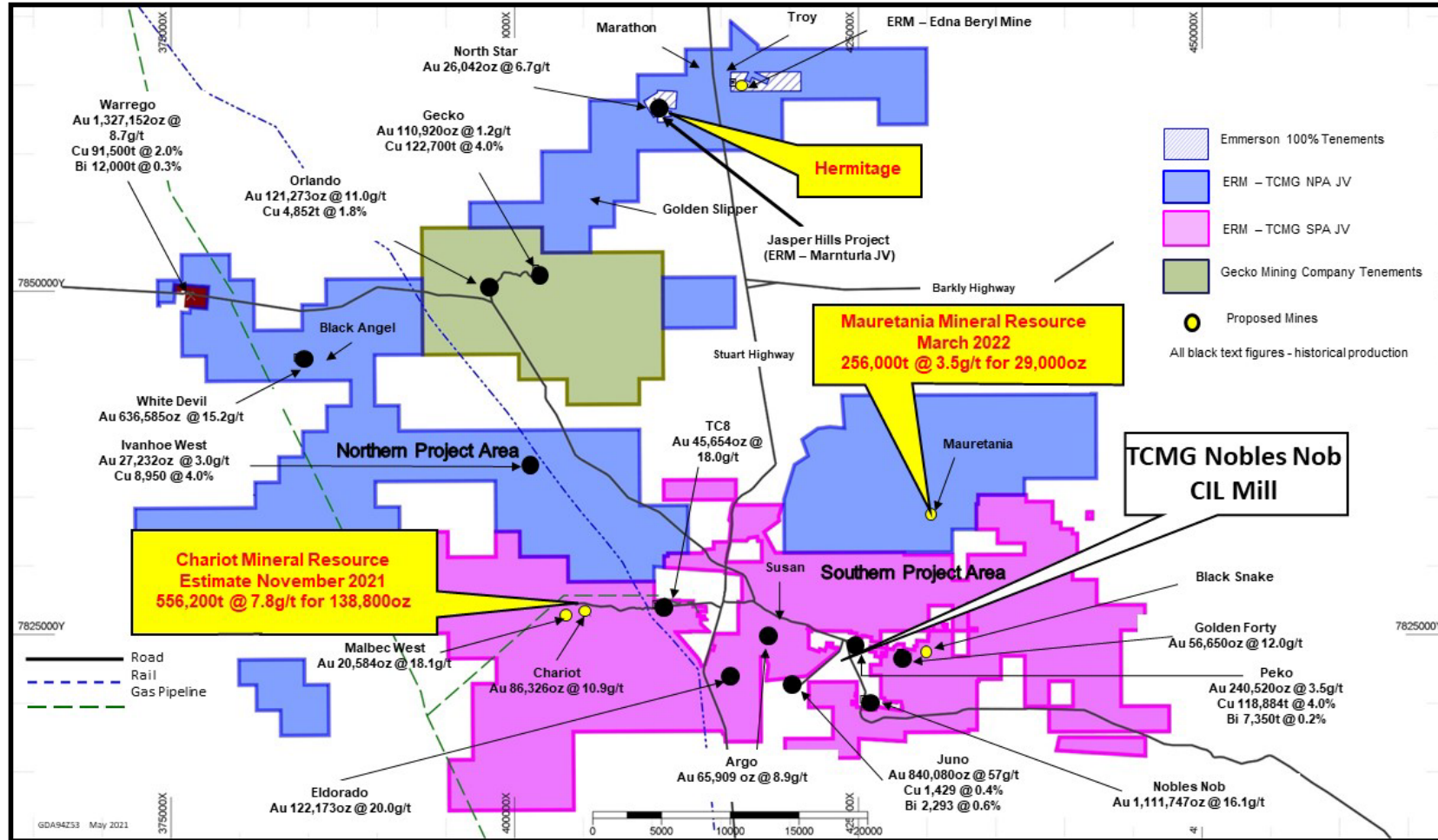
Tennant Creek – an exploration hotspot... Rio, BHP, Newcrest, + many juniors

Emmerson been in Tennant Creek since 2007 and holds 1,700km² of the best ground



Map of exploration licences and application in the Barkly Tableland in March 2021, showing the distribution of tenure of selected exploration companies. Most highlighted licenses were applied for since 2019. (Map from AGES 2021).

Emmerson holds a strategic 1,700km² in the Tennant Creek Mineral Field



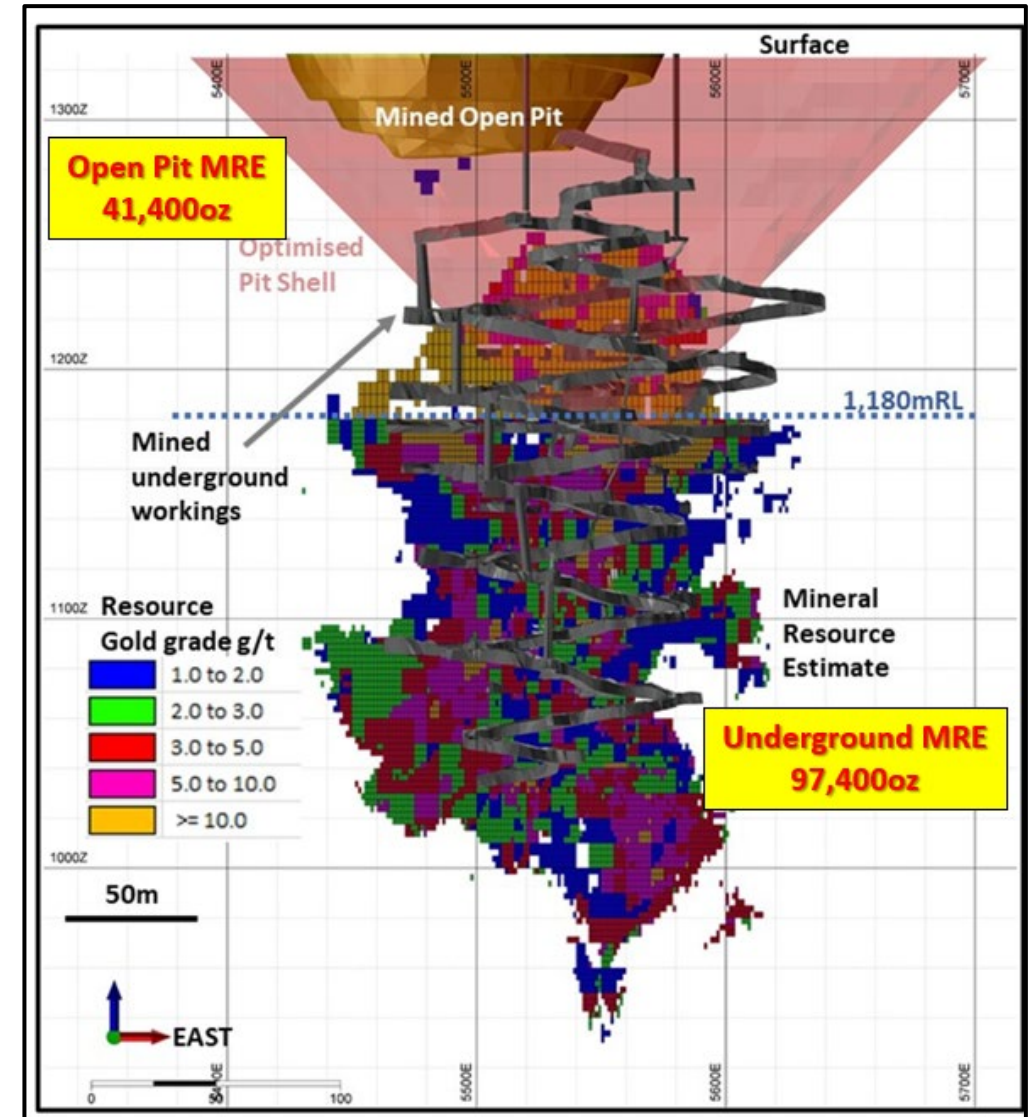
- Our JV partners TCMG - privately listed and funded through a number of international private equity firms
- TCMG have secured a CIL processing plant... with the objective of unlocking stranded assets in Tennant Creek
- Complimentary relationship with ERM consisting of:
 - Exploration JV (TCMG earning in)
 - Mining and Processing JV (ERM receives 6% gold production royalty)

Chariot High Grade Gold Resource

(first project to have JORC estimate)

Highlights:

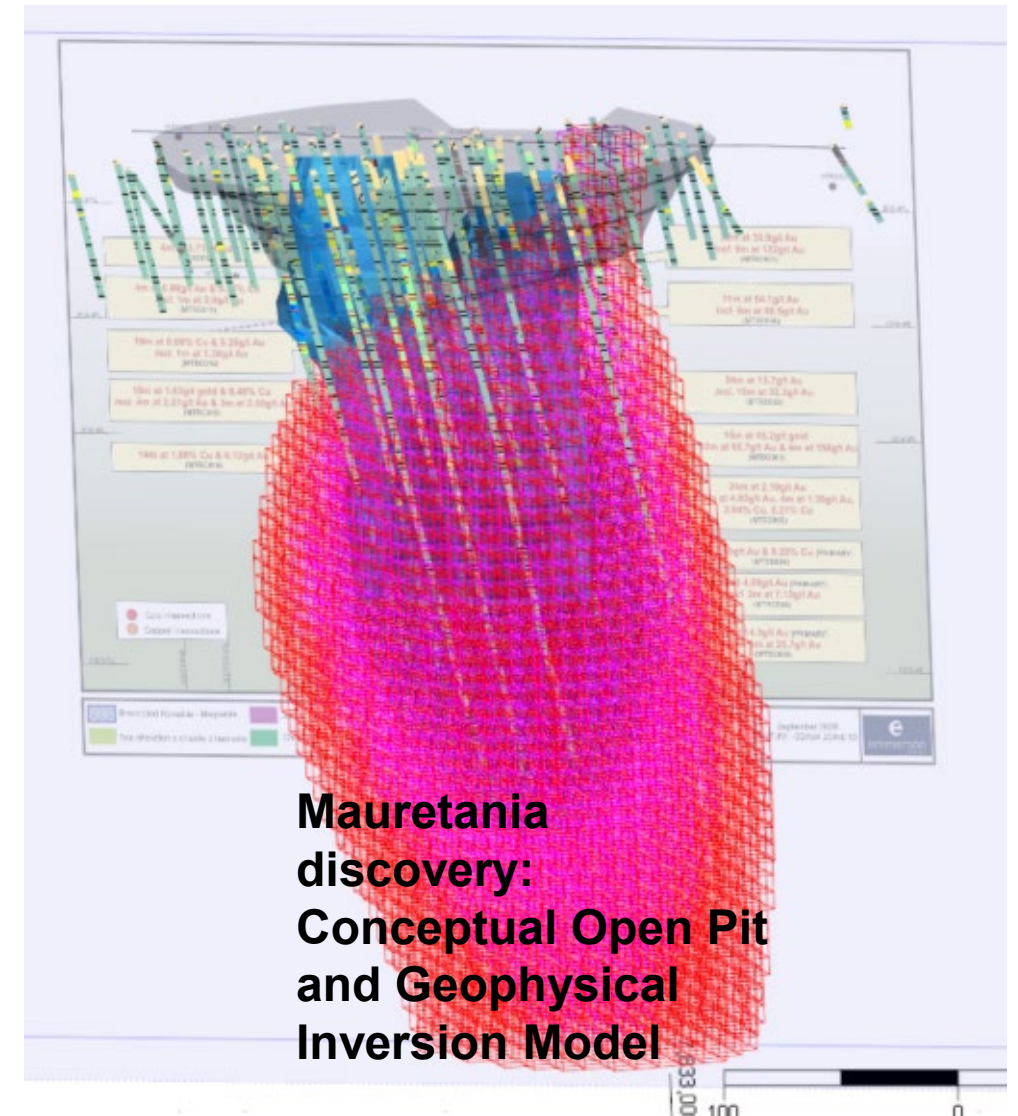
- Mineral Resource Estimate (MRE) for the Chariot gold deposit at Tennant Creek increased total ounces by 40% to: **556,200t @ 7.8g/t Au for 138,800oz Au**
- New resource estimate supports a conceptual **high grade 17.7g/t Au open pit and 6.3 g/t Au underground** operation
- Chariot resource remains open and poorly explored at depth so significant scope exists to increase the resource with further drilling
- Emmerson is entitled to a free carried 6% gold production royalty from Joint Venture Partner, Tennant Consolidated Mining Group over all mines within the Joint Venture areas, including Chariot
- Chariot is one of several mines which are undergoing scoping studies by TCMG ahead of finalising the mining and production schedule



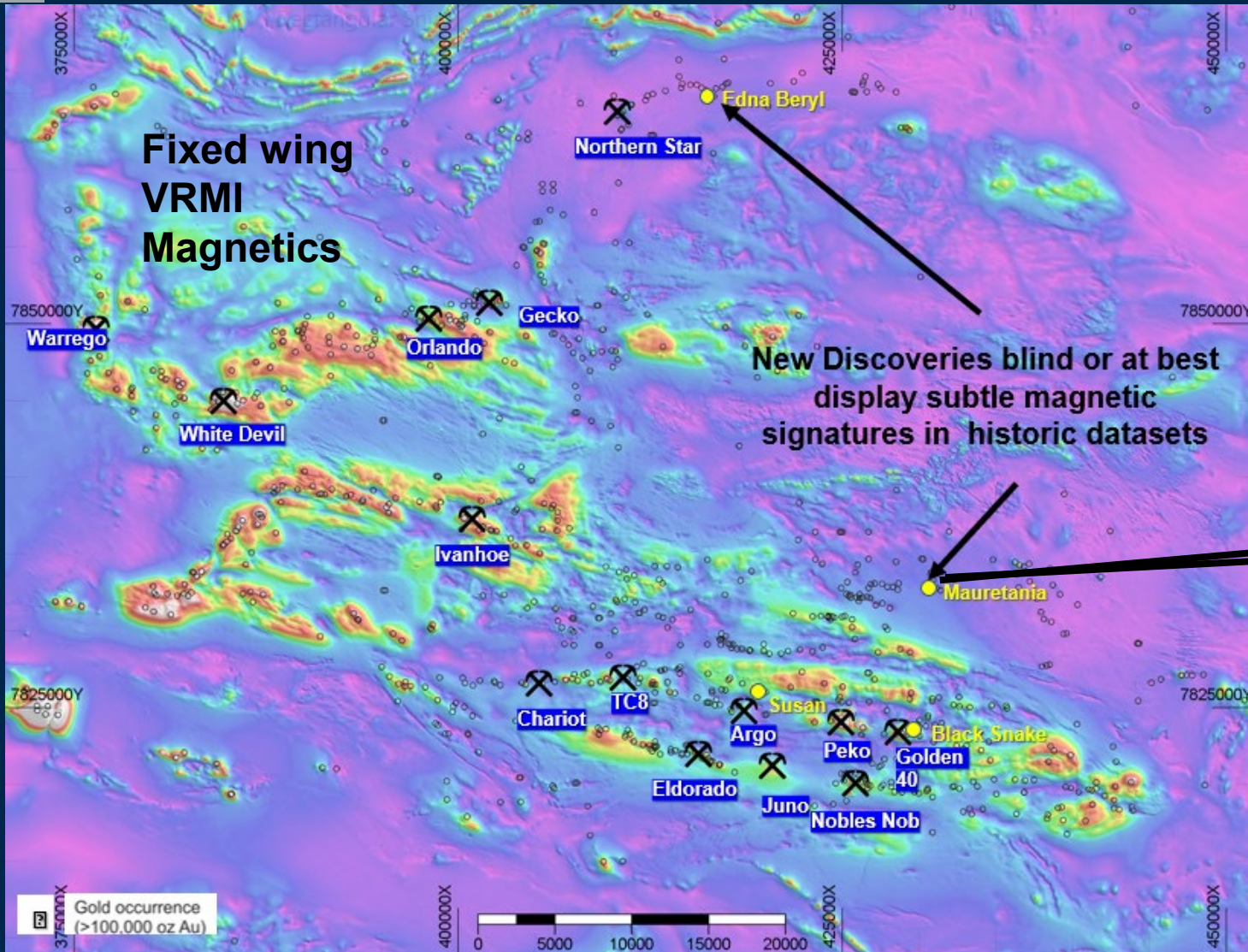
Maiden JORC resource estimate for Mauretania

Highlights:

- Mineral Resource Estimate (MRE) for the Mauretania gold deposit at Tennant Creek of **256,216t @ 3.5g/t Au for 28,974oz Au**
- New resource estimate supports a conceptual shallow high grade open pit
- Mauretania resource remains open at depth with significant scope to increase the resource with further drilling
- Drill hole MTDD010 beneath the conceptual open pit returned **3.95m at 57g/t gold and 0.23% copper** from 207m (ASX: 5 July 2021)
- Processing of recent high resolution drone magnetics supports strong potential for continuation of the host ironstone at depth
- Emmerson is entitled to a free carried 6% gold production royalty from Joint Venture Partner, TCMG over all mines within the Joint Venture areas
- Mauretania is one of several mines which are undergoing scoping studies by TCMG ahead of finalising the mining and production schedule

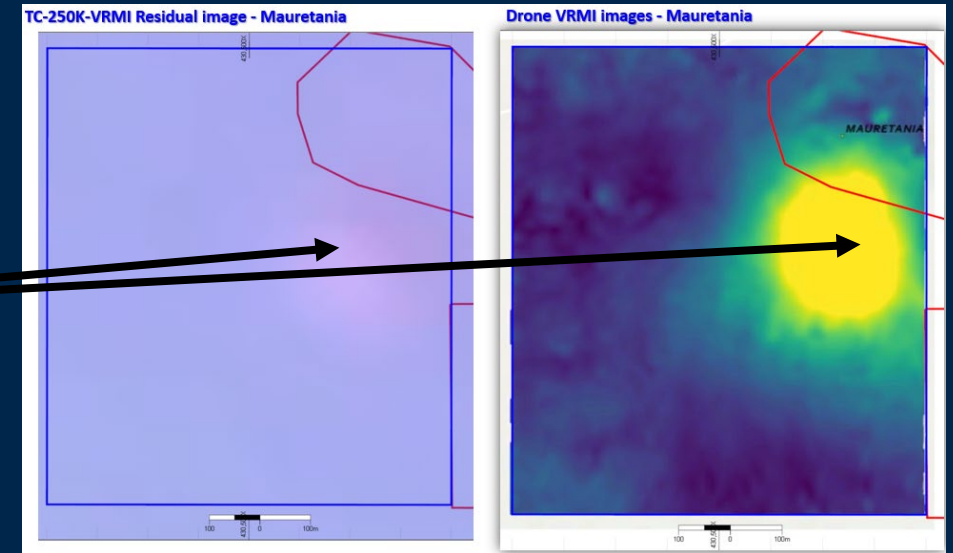


High Resolution Magnetics – 10,000-line km survey



Fixed wing aeromagnetics

Drone high-res magnetics

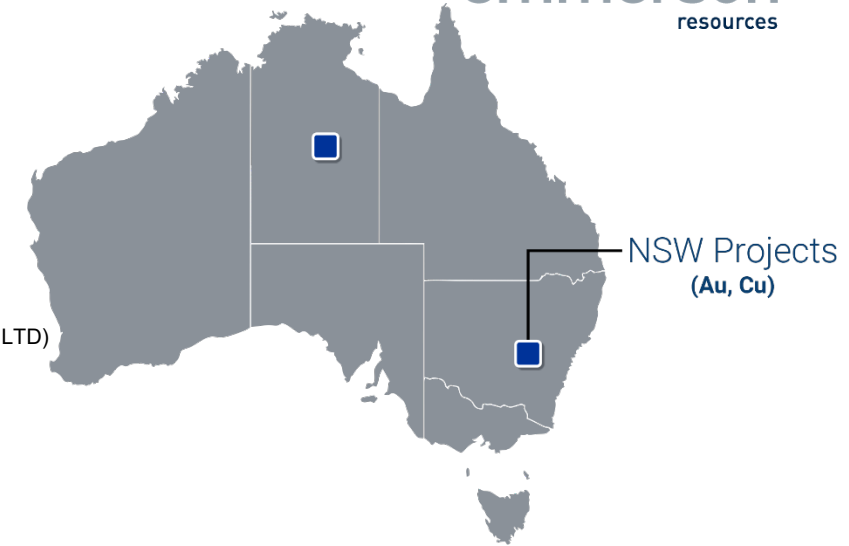
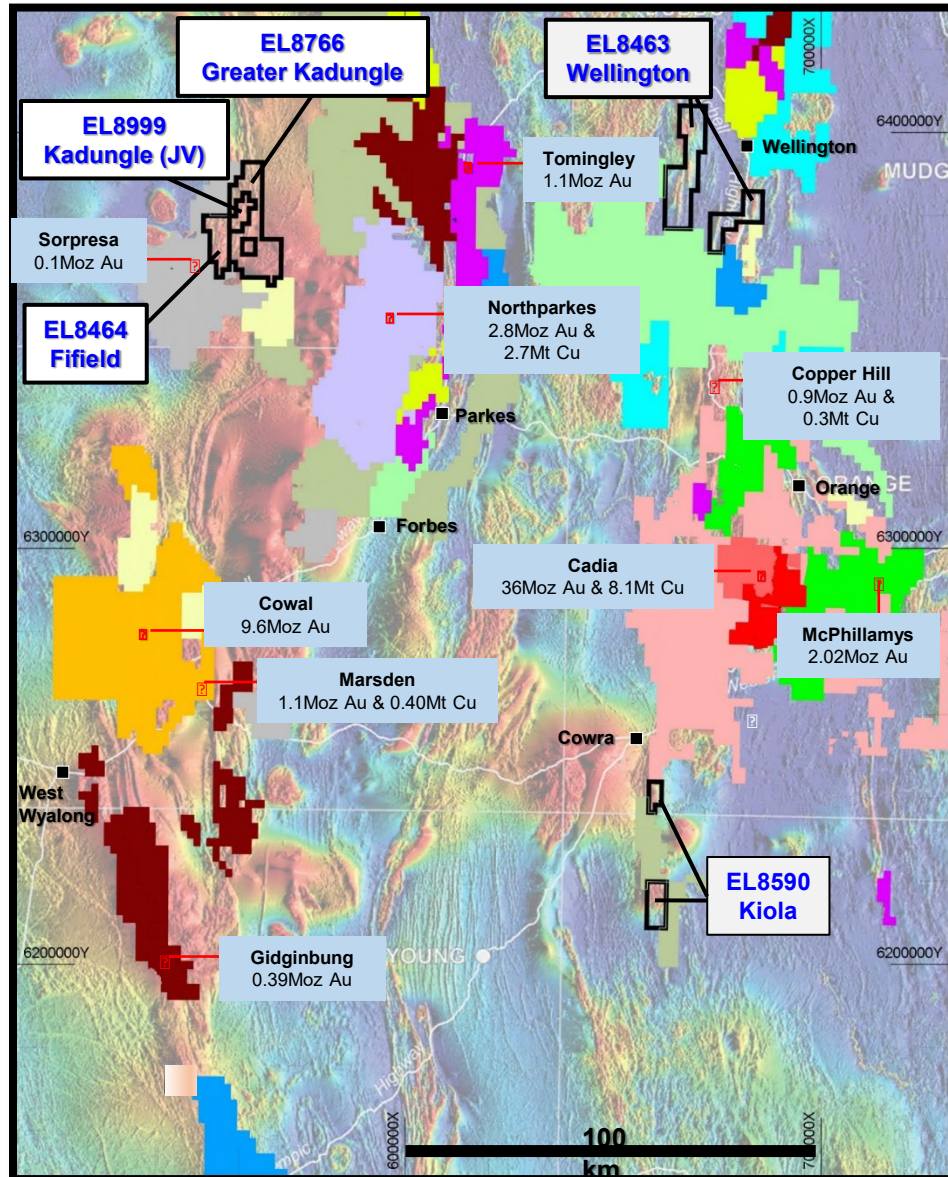


Drone magnetics = potential for detecting the overlooked and underexplored

Macquarie Arc NSW – an exploration hotspot



Macquarie Arc, NSW

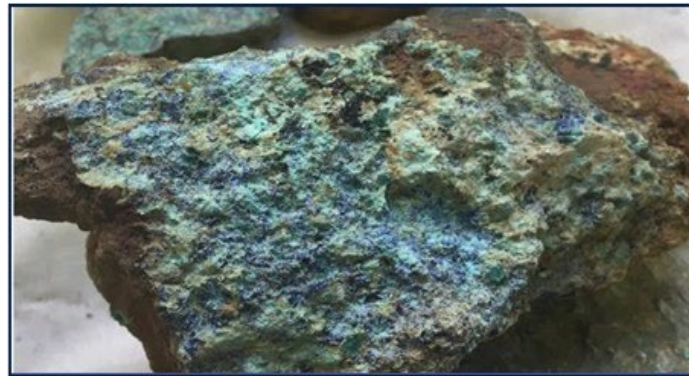


-  LACHLAN RESOURCES PTY LTD (EMMERSON RESOURCESLTD)
-  NEWCREST MINING LIMITED
-  EVOLUTION MINING (COWAL) PTY LIMITED
-  CMOC MINING PTY LIMITED
-  GOLD AND COPPER RESOURCES PTY LIMITED
-  ALKANE RESOURCES LTD
-  CLIMAX AUSTRALIA PTY LIMITED
-  MODELING RESOURCES PTY LTD (MAGMATIC RESOURCES)
-  FMG RESOURCES PTY LTD
-  NEWMONT EXPLORATION PTY LTD
-  LFB RESOURCES NL (REGIS RESOURCES)
-  DRUMMOND WEST PTY LTD (IMPACT MINERALS)
-  ENDEAVOUR MINERALS PTY LTD (IMPACT MINERALS)
-  SANDFIRE RESOURCES LIMITED
-  RIMFIRE PACIFIC MINING N.L.
-  RAREX LIMITED
-  GODOLPHIN TENEMENTS PTY LTD
-  MONZONITE METALS PTY LTD

Kiola Project – drilling planned for 2022-23

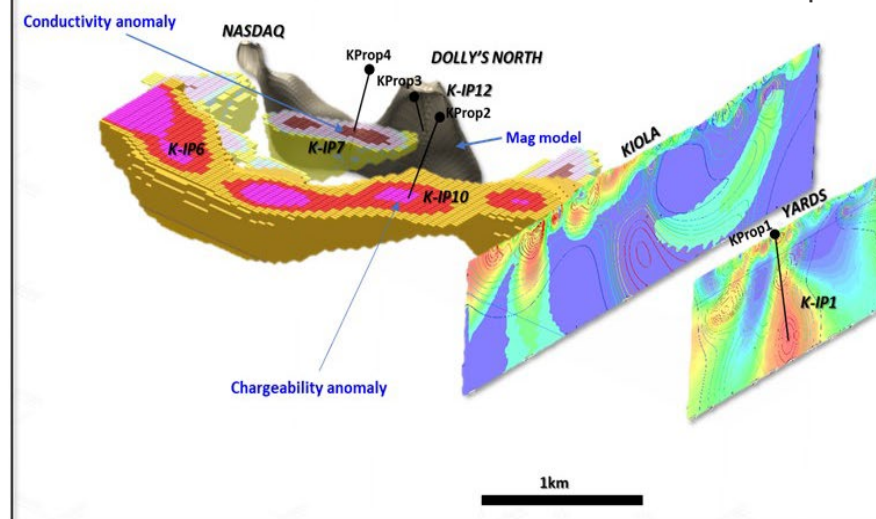
- Lies within the highly prospective Molong Volcanic Belt (similarities with Newcrest's Cadia deposits)
- Prolific gold and copper mineralisation seen in rock chip sampling, historic drilling and old mine workings
- 3D geophysical survey (MIMDAS) completed, and drill targets selected
- Emmerson has received a grant of \$118,000 under the New Frontiers Cooperative Drilling grants program by an expert panel from the NSW Government
- Min 2,500m RC and diamond drill program approved subject to drill contractor availability and COVID restrictions

Right Hand Creek Mine Area
Showing Typical Landform with
Little Outcrop



High-Grade Copper Mine Dump
Samples from the Right Hand Creek
Mine

3D and 2D MIMDAS Survey
Modelling, Interpretation and Exploration Targets
Proposed Holes KProp1, KProp2, KProp3 and
KProp4





Unlocking the Value



Unlocking stranded assets in Tennant Creek via new Strategic Alliance with TCMG



Emerging gold royalty business - aims to generate multiple future royalty streams



Emmerson to continue to drive district-wide exploration and discoveries... multiple drill programs in 2022



Unlocking new ground via partnerships with Traditional Owners



New Mineral Resource Estimates for Chariot and Mauretania... with more to follow



Strong project pipeline and experienced Board and Management Team





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