Investor Presentation
May 2024

### Disclaimer



#### **Disclaimer and Forward-Looking Statements**

This announcement may contain certain "forward-looking statements" which may not have been based solely on historical facts, but rather may be based on the Company's current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have reasonable basis. However, forward-looking statements:

- (a) are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies;
- (b) involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Such risks include, without limitation, resource risk, metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries and states in which the Company operates or supplies or sells product to, and governmental regulation and judicial outcomes; and
- (c) may include, among other things, statements regarding estimates and assumptions in respect of prices, costs, results and capital expenditure, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.

The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward-looking statements.

All forward-looking statements contained in this presentation are qualified by the foregoing cautionary statements. Recipients are cautioned that forward-looking statements are not guarantees of future performance and accordingly recipients are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein.

The Company disclaims any intent or obligation to publicly update any forward-looking statements, whether as a result of new information, future events or results or otherwise.

Metalicity confirms that the Company is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of "exploration results" that all material assumptions and technical parameters underpinning the "exploration results" in the relevant announcements referenced apply and have not materially changed.

#### **Competent Person Statement**

Exploration Results: Information in this report that relates to Exploration results is based on, and fairly reflects, information compiled by Stephen Guy, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr. Guy is a contractor for Metalicity Limited and 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 Resource and Ore Reserves". Mr Guy consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

Complete details of the Kookynie Mineral Resources (McTavish, Champion and Leipold deposits) (1.58Mt @ 1.6 g/t Au for 81,000 oz Au) and the associated Competent Persons Statement were published in the ASX Announcement "Kookynie Maiden JORC 2012 Mineral Resource Estimate" by MCT dated 1st April 2022. Metalicity reports that it is not aware of any new information or data that materially affects the information included in that Mineral Resource announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and there have been no adverse material changes.

\* ASX Announcements; This presentation contains exploration results, historic exploration results, gold resource information as well as other relevant information regarding Metalicity's Kookynie and Yundamindra Gold Projects as originally reported in fuller context in Metalicity Limited ASX Announcements as published on the Company's website. Announcement dates to refer to include but are not limited to 06/05/2019, 31/01/2020, 09/06/2020, 25/06/2020, 25/08/2020, 03/05/2021, 18/03/2

#### **Cautionary Statements**

The Production details for the Altona, Cosmopolitan, Landed at Last, Bonaparte and Pennyweight Point Mines are referenced from publicly available data sources. The source and date of the production data reported has been referenced in the body of this announcement where production data has been reported. The historical production data have not been reported in accordance with the JORC Code 2012. A Competent Person has not done sufficient work to disclose the historical production data in accordance with the JORC Code 2012. It is possible that following further evaluation and/or exploration work that the confidence in the prior reported production data may be reduced when reported under the JORC Code 2012. Nothing has come to the attention of the Company that causes it to question the accuracy or reliability of the historical production data, and an assessment of the additional exploration or evaluation work that is required to report the data in accordance with JORC Code 2012 will be undertaken as part of the Company's development plan.

### Key Highlights



- Portfolio of strategically located gold Projects in the Leonora and Laverton Region of WA
- Substantial unlocked value and monetisation opportunities:
  - High grade close to surface mineralization, which remains open
  - All significant deposits on mining leases
  - A number of mills within ~50km which could toll treat ore
- Significant greenfield and brownfield exploration potential
- First drilling program at Yundamindra in 10 years completed, following up multiple near surface historical hits (e.g. 8m @ 56 g/t Au from 44m)<sup>1</sup>
- 81,000 ounce JORC resource at Kookynie<sup>2</sup>, with significant upside potential

### Board and Management





JUSTIN BARTON

Managing Director

- Finance and M&A
- 25+ years experience in the resource sector
- Formerly with dual listed Paladin Energy Limited and Ernst & Young



ROGER STEINEPREIS

Non-Executive Director

- Lawyer and Executive Chairman of Steinepreis Paganin
- 25+ years acting as legal advisor to a number of public companies
- Non-executive Chairman of Enegex Ltd and Director of Meeka Metals Ltd.



STEVEN WOOD

#### Non-Executive Director

- Previously a Director of Grange Consulting Pty Ltd
- Non-executive Director of Uvre Limited and Company Secretary for a number of ASX listed companies



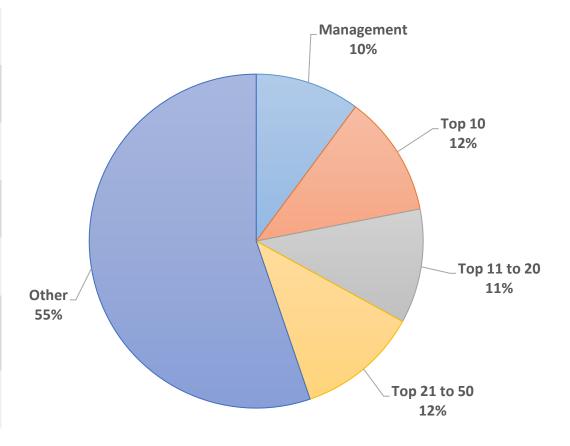
STEPHEN GUY
Exploration Manager

- Geologist
- 25 years of experience in exploration, mining operations and project start-up.

# Capital Structure



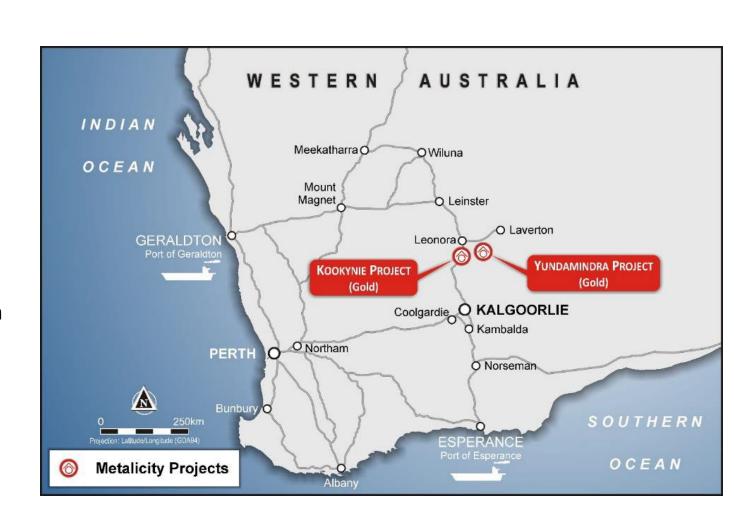
Issued share capital (MCT)	4.485 billion			
Options (263 million expire 31/5/24)	889 million			
Performance Rights	56 million			
Share price (27/5/2024 5 day VWAP)	A\$0.003			
Market capitalisation (undiluted)	~A\$13.5million			
Management	10%			
Debt (as of 27/5/2024)	A\$0 million			



# The Kookynie & Yundamindra Gold Projects

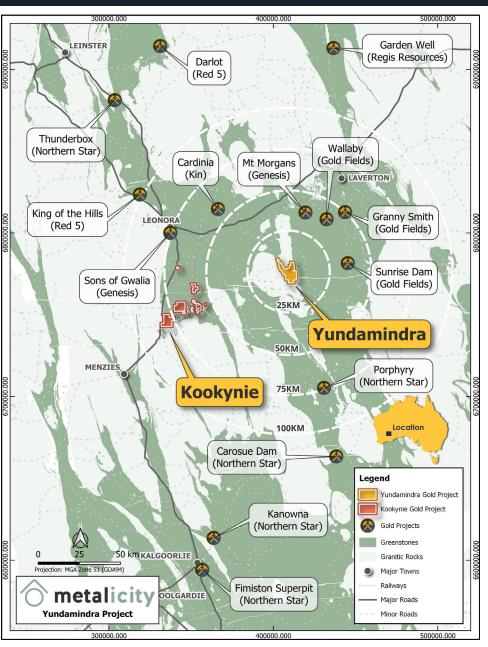


- Projects situated between the gold mining centers of Leonora and Laverton.
- The Yundamindra Gold Project is approximately 60 kms east of the Kookynie Gold Project.
- Over 18,000 ha of prospective Eastern
   Goldfields terrain in an endowned area with
   multiple Resources.
- Kookynie Project adjacent to Genesis Minerals Ulysses, Admiral and Orient Well Project.
- Joint Venture owned 80% by Metalicity and 20% by Nex Metals Exploration.





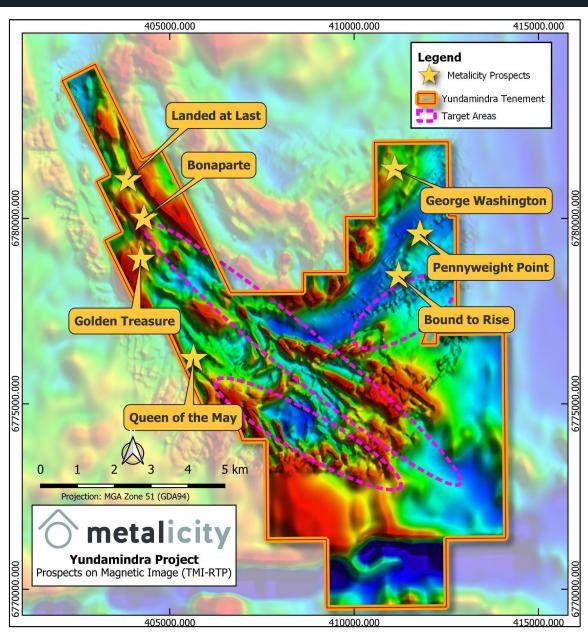
- High-grade, close to surface mineralisation
- Two dominant styles of gold mineralisation
  - Orogenic Lode Gold
  - Intrusion Related Gold
- Significant historical production of 74kt @ 19.3 g/t Au for 45,000 ounces<sup>1</sup>
- No drilling in over 10 years, limited exploration at depth
- Within 75km of multiple >1 Moz gold deposits and close trucking distance to numerous under capacity mills



<sup>&</sup>lt;sup>1</sup> Please refer to ASX Announcement "Metalicity Farms into Eastern Goldfields Gold Projects" dated 6 May 2019.



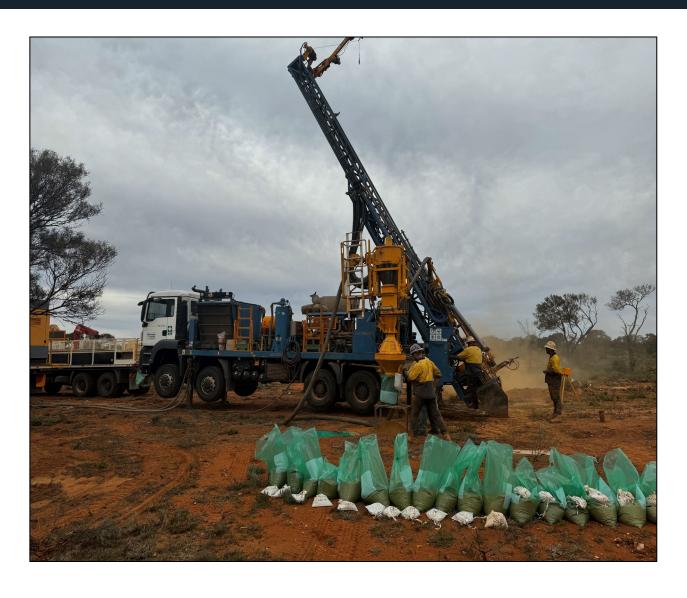
- 13 contiguous tenements, including 9 mining licences
- Total land area under control is circa 8,000 ha which is highly prospective and significantly under-explored
- Three high priority gold deposits on mining leases in Landed at Last, Pennyweight Point and Bonaparte
- Multiple second order gold prospects
- Established pipeline of brownfield and greenfield targets
- 44 hole ~ 3,000m drilling program recently completed, with assays pending<sup>3</sup>



<sup>&</sup>lt;sup>3</sup> Please refer to ASX Announcement "Drilling Commences at Yundamindra Gold Project" dated 13 May 2024.

# Metalicity's Maiden Drilling Program





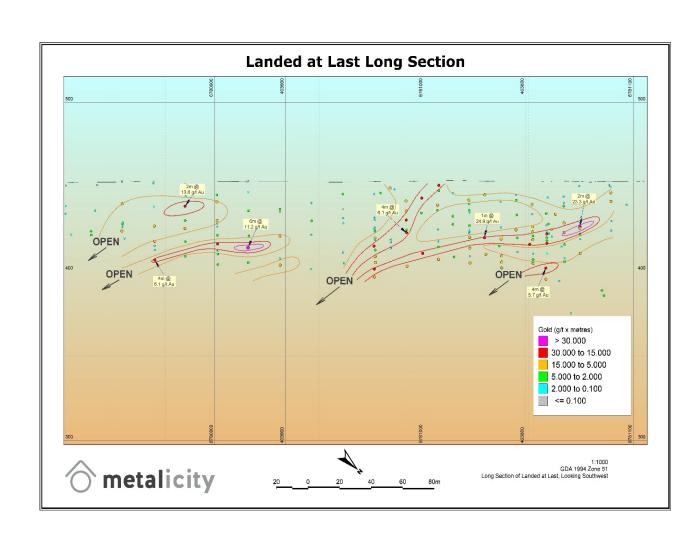
- Metalicity's maiden drilling program and the first program at the Yundamindra project in over 10 years commenced in early May 2024
- Program incorporated an initial 44 drillholes for ~3,000 metres of RC<sup>3</sup>
- Landed at Last, Bonaparte and Golden Treasure are the key prospects initially targeted and program may extend depending on results
- Drilling following up more than 50 historical significant near surface intersections
- Further drilling success could see near term
   Resource delineation on granted Mining Leases

 $<sup>^3</sup>$  Please refer to ASX Announcement "Drilling Commences at Yundamindra Gold Project" dated 13 May 2024.



### **Landed at Last**

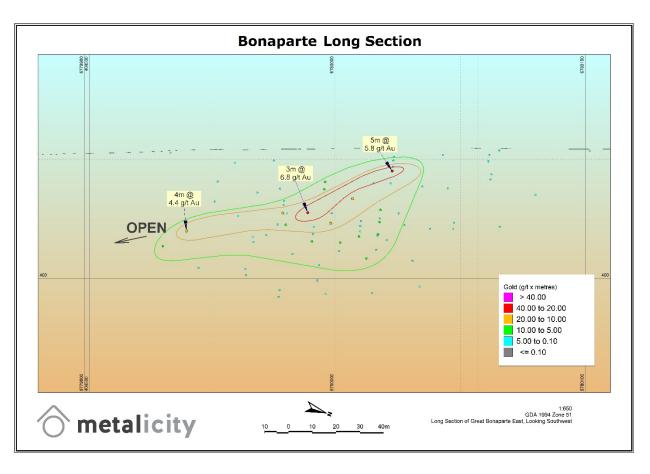
- Only ever shallow drilled to ~50m depth
- Typical structurally hosted orogenic gold deposit.
- Historically returned outstanding shallow, high grade results, including<sup>1</sup>:
  - 10m @ 9.99 g/t Au from 10m (LW34)
  - 9m @ 8.56 g/t Au from 36m (LW 33)
  - 6m @ 11.18 g/t Au from 41m (LN 93)
  - 11m @ 5.85g/t Au from 40m (LW32)
  - 2m @ 23.29 g/t Au from 30m (LN11)
- Prospect remains open along strike and at depth



 $<sup>^{</sup>m 1}$  Please refer to ASX Announcement "Metalicity Farms into Eastern Goldfields Gold Projects" dated 6 May 2019.



### **Bonaparte Prospect**

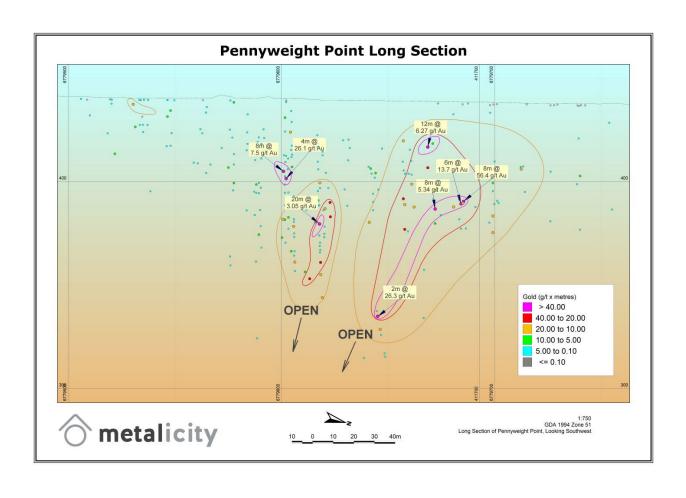


- Historically returned outstanding shallow, high grade results, including<sup>1</sup>:
  - 12m @ 5.64g/t Au from 1m (GB35)
  - 5m @ 5.76 g/t Au from 9m (GBE23)
  - 5m @ 3.95 g/t Au from 28m (GBE7)
  - 4m @ 5.73 g/t Au from 25m (GB13)
- Prospect remains open along strike and at depth



### **Pennyweight Point**

- An intrusive mineralisation style different to orogenic gold prospects of western line.
- Historically returned outstanding shallow, high grade results, including<sup>1</sup>:
  - 8m @ 56.36 g/t Au from 44m (PV095)
  - 4m @ 26.14 g/t Au from 36m (PV055)
  - 6m @ 13.69 g/t Au from 46m (PV105)
  - 8m @ 7.51 g/t Au from 36m (P008)
  - 12m @ 6.27 g/t Au from 16m (PIV049)
  - 20m @ 3.05 g/t Au from 50m (PV050)
- Prospect remains open at depth



 $<sup>^{</sup>m 1}$  Please refer to ASX Announcement "Metalicity Farms into Eastern Goldfields Gold Projects" dated 6 May 2019.

# Yundamindra Gold Project – Drill Hits



Sample of historical intercepts at Yundamindra, including: 1

#### Yundamindra West

Yundamindra West							
HoleID	Prospect	Total Depth	From	Significant Intercept			
GB35	Great Bonaparte	25	1	12m @ 5.64 g/t Au from 1 m			
LW87	Landed at Last West	80	62	12m @ 3.46 g/t Au from 62 m			
LW32	Landed at Last West	51	40	11m @ 5.85 g/t Au from 40 m			
LN13	Landed at Last	58	37	11m @ 2.47 g/t Au from 37 m			
LW34	Landed at Last West	34	10	10m @ 9.99 g/t Au from 10 m			
LW33	Landed at Last West	50	36	9m @ 8.56 g/t Au from 36 m			
LW83	Landed at Last West	70	52	9m @ 3.78 g/t Au from 52 m			
LW5	Landed at Last West	49	12	7m @ 5.39 g/t Au from 12 m			
LW71	Landed at Last West	55	30	7m @ 3.26 g/t Au from 30 m			
LN115	Landed at Last	52	38	7m @ 2.78 g/t Au from 38 m			
LW29	Landed at Last West	52	43	7m @ 2.77 g/t Au from 43 m			
LW65	Landed at Last West	55	42	6m @ 7.54 g/t Au from 42 m			
LW75	Landed at Last West	62	42	6m @ 5.6 g/t Au from 42 m			
GT8	Golden Treasure	70	50	6m @ 4.05 g/t Au from 50 m			
LN93	Landed at Last	58	41	6m @ 11.18 g/t Au from 41 m			
GBE23	Great Bonaparte East	25	9	5m @ 5.76 g/t Au from 9 m			
LN26	Landed at Last	58	46	5m @ 4.82 g/t Au from 46 m			
TDN4	Golden Treasure North	40	29	5m @ 4.78 g/t Au from 29 m			
GBE7	Great Bonaparte East	40	28	5m @ 3.95 g/t Au from 28 m			
LW28	Landed at Last West	40	34	5m @ 3.73 g/t Au from 34 m			
TDN6	Golden Treasure North	48	34	5m @ 3.11 g/t Au from 34 m			
GBE11	Great Bonaparte East	55	33	5m @ 2.59 g/t Au from 33 m			
QMN12	Queen of the May	52	36	4m @ 8.14 g/t Au from 36 m			
GT3	Golden Treasure	34	27	4m @ 7.91 g/t Au from 27 m			
LN71	Landed at Last	50	32	4m @ 6.12 g/t Au from 32 m			
LN140	Landed at Last	58.5	51	4m @ 6.06 g/t Au from 51 m			
GB13	Great Bonaparte	40	25	4m @ 5.73 g/t Au from 25 m			
LN38	Landed at Last	78	56	4m @ 5.72 g/t Au from 56 m			
LW48	Landed at Last West	61	52	4m @ 5.04 g/t Au from 52 m			
LW96A	Landed at Last West	40	28	4m @ 4.49 g/t Au from 28 m			
LN44	Landed at Last	15	2	4m @ 4.46 g/t Au from 2 m			
LN19	Landed at Last	25	10	4m @ 4.46 g/t Au from 10 m			
GBE29	Great Bonaparte East	52	36	4m @ 4.42 g/t Au from 36 m			
GT30	Golden Treasure	46	8	4m @ 3.4 g/t Au from 8 m			

#### Yundamindra East

raniaan	illiara East			
HoleID	Prospect	Total Depth	Width	Intersection
PV050	Pennyweight Point	72	20	20m @ 3.05 g/t Au from 50 m
PIV049	Pennyweight Point	62	12	12m @ 6.27 g/t Au from 16 m
P008	Pennyweight Point	59	8	8m @ 7.51 g/t Au from 36 m
P019	Pennyweight Point	73	8	8m @ 1.83 g/t Au from 64 m
PV043	Pennyweight Point	66	8	8m @ 5.34 g/t Au from 48 m
PV095	Pennyweight Point	59	8	8m @ 56.36 g/t Au from 44 m
P055	Pennyweight Point	94	7	7m @ 5.44 g/t Au from 87 m
P009	Pennyweight Point	72	6	6m @ 2.59 g/t Au from 64 m
P013	Pennyweight Point	70	6	6m @ 4.95 g/t Au from 54 m
P013	Pennyweight Point	70	6	6m @ 3.99 g/t Au from 62 m
P014	Pennyweight Point	78	6	6m @ 1.75 g/t Au from 58 m
P024	Pennyweight Point	70	6	6m @ 2.99 g/t Au from 56 m
P026	Pennyweight Point	66	6	6m @ 1.84 g/t Au from 56 m
PDDH003	Pennyweight Point	228.3	6	6m @ 2.2 g/t Au from 113.3 m
PIV035	Pennyweight Point	66	6	6m @ 1.29 g/t Au from 56 m
PIV038	Pennyweight Point	52	6	6m @ 2.02 g/t Au from 16 m
PV043	Pennyweight Point	66	6	6m @ 2.43 g/t Au from 40 m
PV045	Pennyweight Point	64	6	6m @ 1.79 g/t Au from 52 m
PV099	Pennyweight Point	66	6	6m @ 1.48 g/t Au from 32 m
PV105	Pennyweight Point	69	6	6m @ 13.69 g/t Au from 46 m
P044	Pennyweight Point	73	5	5m @ 2.86 g/t Au from 68 m
PH001	Pennyweight Point	99.7	4.5	4.5m @ 4.02 g/t Au from 94.5 m
P001	Pennyweight Point	22	4	4m @ 1.81 g/t Au from 14 m
P019	Pennyweight Point	73	4	4m @ 2.17 g/t Au from 36 m
P021	Pennyweight Point	60	4	4m @ 3.01 g/t Au from 44 m
PDDH003	Pennyweight Point	228.3	4	4m @ 7.73 g/t Au from 103.3 m
PIV027	Pennyweight Point	68	4	4m @ 2.19 g/t Au from 56 m
PIV029	Pennyweight Point	45	4	4m @ 2.07 g/t Au from 0 m
PIV029	Pennyweight Point	45	4	4m @ 1.23 g/t Au from 30 m
PIV048	Pennyweight Point	69	4	4m @ 3.33 g/t Au from 48 m
PIV048	Pennyweight Point	69	4	4m @ 6.94 g/t Au from 60 m
PIV049	Pennyweight Point	62	4	4m @ 5.75 g/t Au from 30 m
PV040	Pennyweight Point	32	4	4m @ 1.36 g/t Au from 4 m
PV046	Pennyweight Point	57	4	4m @ 1.49 g/t Au from 18 m
PV051	Pennyweight Point	71	4	4m @ 2.64 g/t Au from 14 m
PV053	Pennyweight Point	56	4	4m @ 1.23 g/t Au from 20 m
PV055	Pennyweight Point	57	4	4m @ 26.14 g/t Au from 36 m
PV103	Pennyweight Point	62.3	4	4m @ 2.6 g/t Au from 30 m

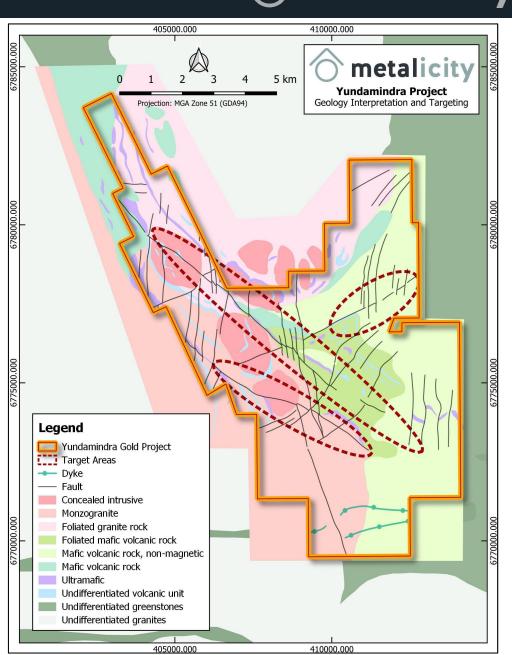
<sup>&</sup>lt;sup>1</sup> Please refer to ASX Announcement "Metalicity Farms into Eastern Goldfields Gold Projects" dated 6 May 2019.

# Significant Greenfield and Brownfield Targets

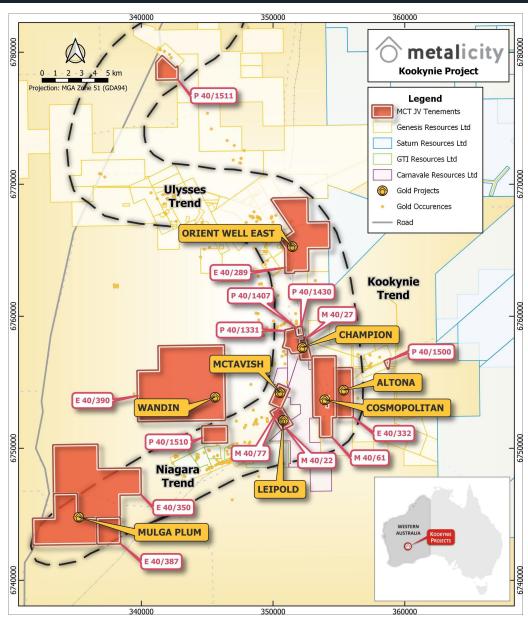


### **New Targets at Yundamindra**

- Independent experts, Core Geophysics, have undertaken a detailed review of all historical geophysical data in the area and identified an extensive pipeline of additional priority target areas within the Yundamindra Gold Project.
- Future exploration includes brownfield and greenfield targets.
- Wide scope for higher resolution geophysical surveying and other exploration activities to add to target pipeline.







- Metalicity controls circa 11,000 ha of tenure in this prolific and gold wellendowed region of Kookynie, adjacent to Genesis Minerals
- Metalicity has completed over 10,000m of drilling at Kookynie, which have produced some significant results including<sup>4,5,6,7,8</sup>:
  - **10m @ 7.44 g/t Au** from 108m (LPRC0049)
  - 9m @ 7.91 g/t Au from 34m (LPRC0001)
  - 8m @ 9.33 g/t Au from 97m, incl. 2m @ 40.84 g/t (LPRC0051)
  - 6m @ 9.4 g/t Au from 26m (LPRC0003)
  - 5m @ 17.9 g/t Au from 48m, incl. 1m @ 80.17 g/t (McTRC0005)
  - 4m @ 26.91 g/t Au from 65m, incl. 1m @ 100.77 g/t (LPRC0077)
  - 4m @ 16.3 g/t Au from 42m, incl, 3m @ 20.7 g/t (LPRC0012)
  - 3m @ 19.1 g/t Au from 88m, incl, 1m @ 52.8 g/t (McTRC0001)
  - 2m @ 59.9 g/t Au from 147m, incl 1m @ 118g/t (LPRC0107)
  - 2m @ 25.2 g/t Au from 28m (CPRC0004)
- At surface 2012 JORC compliant resource of 81,000 ounces @ 1.61 g/t Au

<sup>&</sup>lt;sup>4</sup> Refer ASX Announcement "Metalicity Reports Drill Hole Intercepts Up To 80 g/t Au & Additional Tenement Acquisition for Kookynie" dated 21 January 2020.

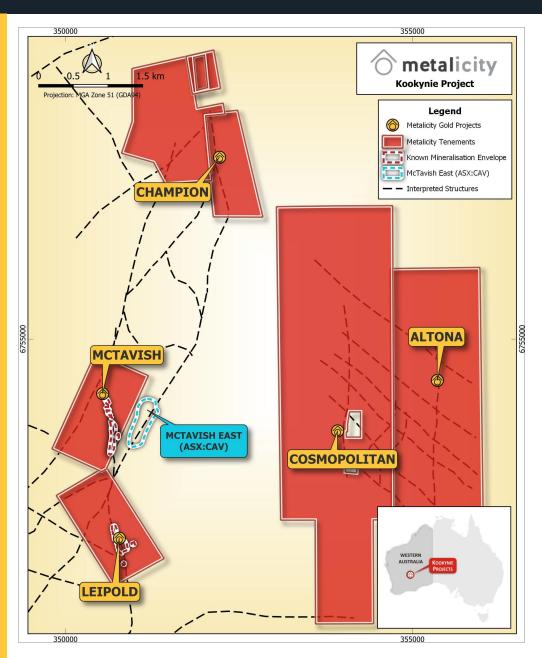
<sup>&</sup>lt;sup>5</sup> Refer ASX Announcement "Metalicity Continues to Deliver Spectacular Drill Hole Results for the Kookynie Gold Project" dated 25 June 2020.

<sup>&</sup>lt;sup>6</sup> Refer ASX Announcement "Metalicity Continues to Deliver Spectacular Drill Hole Results for the Kookynie Gold Project" dated 25 August 2020.

 $<sup>^7</sup>$  Refer ASX Announcement "Assays up to 118 g/t Au from Leipold, Kookynie Gold Project" dated 3 May 2021

<sup>8</sup> Refer ASX Announcement "McTavish Returns Assays Up To 52.8 g/t Au & Executive Changes" dated 3 May 2021.





- Significant historical and current gold endowment at Kookynie.
- The Cosmopolitan Gold Mine produced 360,000 ounces, between 1896 to 1922, at an average grade of 15 g/t Au.
- The Altona Gold Mine produced 88,700 ounces, between 1900 to 1965, at an average head grade of 30 g/t Au.
- McTavish East discovery by Carnavale Resources (ASX:CAV) evidence that gold still to be found at Kookynie<sup>9</sup>.
  - Analogous to Cosmopolitan in size, geometry and mineralisation style.

<sup>&</sup>lt;sup>9</sup> Please refer to CAV ASX Announcement "Outstanding high-grade gold results continue to flow from the Kookynie Gold Project." dated 30 October 2023.



### Maiden 2012 JORC compliant resource for Leipold, McTavish and Champion<sup>2</sup>

### **Kookynie Gold Project**

March 2022 Mineral Resource Estimate (0.5g/t Au Cut-off)

	Į.	ndicate	d		Inferred			Total	
Deposit	Tonnage	Au	Au	Tonnage	Au	Au	Tonnage	Au	Au
	kt	g/t	Ounces	kt	g/t	Ounces	kt	g/t	Ounces
Leipold	450	1.3	19,000	630	1.7	34,000	1,080	1.5	53,000
Champion				380	1.7	20,000	380	1.7	20,000
McTavish				120	2.0	8,000	120	2.0	8,000
Total	450	1.3	19,000	1,130	1.7	62,000	1,580	1.6	81,000

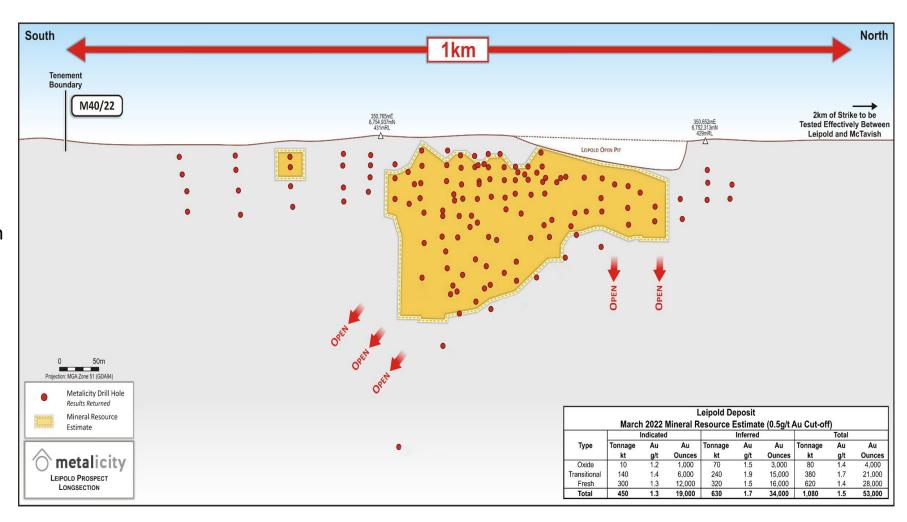
### Substantial upside potential

- McTavish South, Cosmopolitan, Altona
- Open at depth and along strike
- All on mining leases



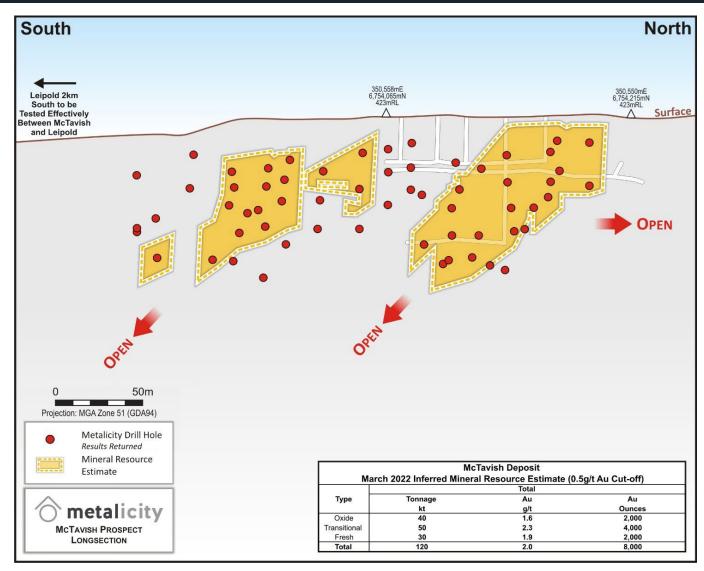
### Leipold

- Contains 65% of Total Kookynie MRE
- 19% of Leipold MRE categorised as Indicated
- Orogenic structurally hosted vein gold
- South plunging orebody
- Open at depth
- High grade zones



Leipold Plane of Vein Long Section with block model extents<sup>2</sup>





McTavish Prospect Plane of Vein Section with block model extents<sup>2</sup>

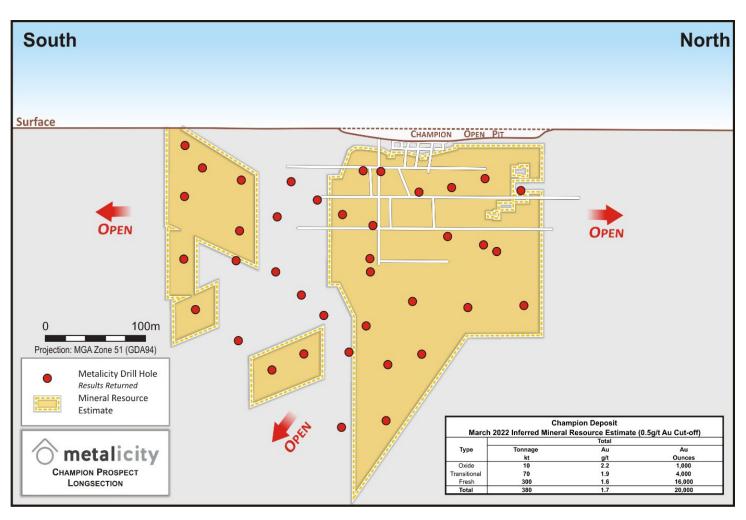
### **McTavish**

- Deposit open in multiple directions
- Two south plunging ore shoots
- Similar mineralisation to Leipold and Champion
- Potential to add more ounces to McTavish with McTavish South Discovery<sup>10</sup>



### Champion

- Deposit open in multiple directions at depth and along strike
- Widest gold intercept recorded for Kookynie 28 metres @ 1.83 g/t Au from 72 metres<sup>11</sup>
- Similar mineralisation to Leipold and McTavish
- Orebody located on same structural trend as Carnavale Resources McTavish East discovery<sup>9</sup>



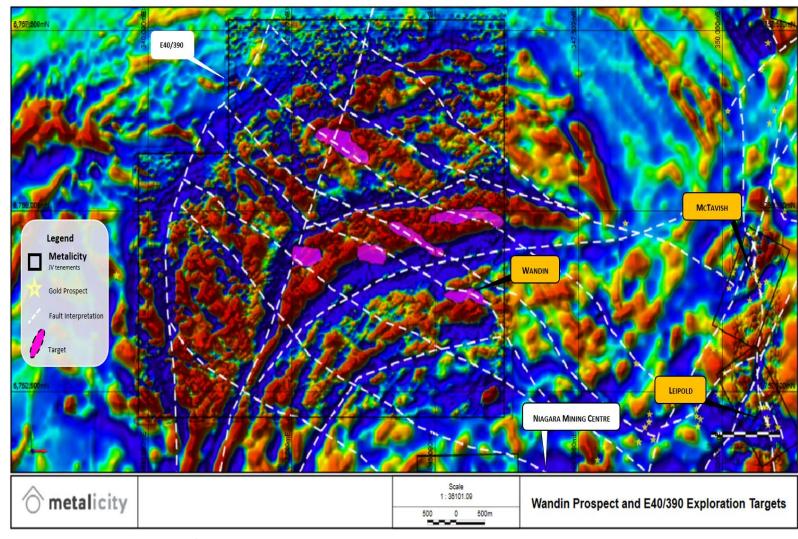
Champion Prospect Plane of Vein Section with block model extents<sup>2</sup>

<sup>9</sup> Please refer to CAV ASX Announcement "Outstanding high-grade gold results continue to flow from the Kookynie Gold Project." dated 30 October 2023. 11 Please refer to ASX Announcement "Substantial Extensions and Significant Gold Intersections at Champion" dated 13 September 2022.

# Kookynie – Greenfield and Brownfield Targets



- Exploration targets still exist at Kookynie
- Wandin Undercover target potentially similar to the Niagara mining centre 5km south<sup>12</sup>
- Multiple structural targets identified
- Soil sampling programme to test for anomalous mineralisation planned 2024
- Further exploration targets for drill testing includes Mulga Plum and structural system between Cosmopolitan and Altona deposits



Wandin, E40/390 exploration targets. (Base map layer first vertical derivative of the reduced to the pole pseudocolour mapping)<sup>12</sup>

# Key Take Aways



- Substantial unlocked value and monetisation opportunities:
  - High grade close to surface mineralisation, which remains open
  - All significant deposits on mining leases
  - A number of mills within ~50km which could toll treat ore
  - Significant greenfield and brownfield exploration potential
  - Active exploration programs with imminent and ongoing newsflow



