

Targeting Resource Growth through Accelerated Drilling at the 1.4Moz Mt York Gold Project, Pilbara WA

Dr Peter Turner
Managing Director

November 2025

KAIROS
MINERALS



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It is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"). Investors outside Australia should note that while ore reserve and mineral resource estimates of Kairos in this Presentation comply with the JORC Code (such JORC Code-compliant ore reserves and mineral resources being "Ore Reserves" and "Mineral Resources" respectively), they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the "Canadian NI 43-101 Standards"); or (ii) Item 1300 of Regulation S-K, which governs disclosures of mineral reserves in registration statements filed with the SEC. Information contained in this Presentation describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws.

Mineral Resources, Ore Reserves and Production Targets

This Presentation contains estimates of Kairos's Mineral Resources and production targets and forecast financial information derived from those. The information in this Presentation that relates to Mineral Resources, Ore Reserves and production targets and forecast financial information has been extracted from the Scoping Study for the Mt York Gold Project as announced on ASX on 27 November 2024. Copies of that announcement are available at www.asx.com.au or <https://kairosminerals.com.au/investors/asx-announcements/>. Kairos confirms that it is not aware of any new information or data that materially affects the information included in that announcement. All material assumptions and technical parameters underpinning the Mineral Resources (see Appendix 2) and production targets and forecast financial information in that ASX announcement continue to apply and have not materially changed. Kairos confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from those announcements.

Exploration Results

The information in this Presentation that relates to the Company's Exploration Results has been extracted from the Company's previous ASX announcements, particularly announcements dated 1 August 2016, 5 October 2016, 17 November 2016, 19 December 2016, 10 February 2017, 27 February 2017, 6 May 2017, 29 May 2017, 30 November 2017, 18 December 2017, 30 January 2018, 28 March 2018, 26 June 2018, 2 October 2018, 23 December 2020, 17 February 2021, 15 September 2021, 23 November 2021, 13 January 2022, 25 May 2022, 29 July 2022, 10 October 2022, 9 February 2023, 27 February 2023, 5 April 2023, 20 September 2023, 30 July 2024, 17 July 2025, 6 August 2025, 4 September 2025 and 7 October 2025. Copies of those announcements are available at www.asx.com.au or <https://kairosminerals.com.au/investors/asx-announcements/>. Kairos confirms that it is not aware of any new information or data that materially affects the information included in this Presentation that relates to the Company's Exploration Results.

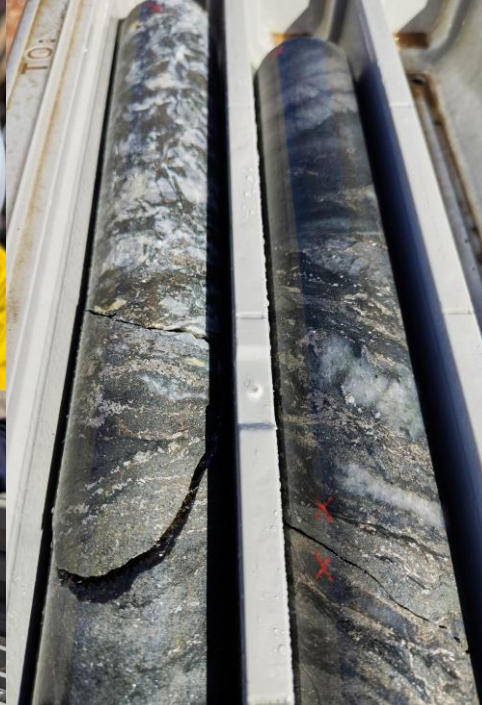
Competent Persons' Statements

The information in this Presentation that relates to the Mineral Resource Estimate ('MRE') at the Mt York Gold Project is based on and fairly represents information and supporting documentation prepared by Competent Person Christopher Speedy, a fulltime employee of Encompass Mining Consultants who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Speedy has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). The Resource Estimation has been prepared independently in accordance with the JORC Code. Mr Speedy has no vested interest in Kairos Minerals or its related parties, or to any mineral properties included in this report. Fees for the report are being levied at market rates and are in no way contingent upon the results. Mr Speedy has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this presentation that relates to Estimation and Reporting of Mineral Resources for the Mt York Gold Project is based on information compiled by Mr Mark Falconer, who is a full-time employee of Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). . Mr Falconer has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). Mr Falconer has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this presentation that relates to exploration targets and exploration results is based on information compiled by Mr Mark Falconer, who is a full-time employee of Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Falconer has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). Mr Falconer has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this presentation that relates to metallurgical test work for the Mt York Gold Project is based on, and fairly represents, information and supporting documentation compiled by Mr Mark Falconer, who is a full-time employee of Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Falconer has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). The information that relates to processing and metallurgy is based on work conducted by ALS Metallurgy Pty Ltd (ALS) on diamond drill core samples collected under the guidance of Mr Falconer and fairly represents the information compiled by him from the completed ALS test work. Mr Falconer has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.



Company Snapshot



- **ASX-listed, Western Australian gold development & resources company, Pilbara-focused**
- **1.4Moz gold resource¹ at the growing Mt York Gold Project, next to PLS' Pilgangoora Li-Ta Mine**
- **Strong cash position of \$30.4M, anticipating further \$10m (in cash or PLS shares) in 2025**
- **Landmark Sales² and Mineral Rights Agreements³ signed with PLS**
 - Sold non-core ground next to Pilgangoora to PLS for \$20m (\$10m paid, second \$10m anticipated in 2025)
 - Mineral Rights (excluding lithium, tantalum) secured to 367km² neighbouring licences and an application
 - Includes 1,500m extension to Mt York Gold deposit (4 rigs currently in position to drill 10,000m)
- **Clear runway to unlock multi-million-ounce potential, deposit open at depth and along strike to NW**
- **Commenced largest drilling programme in Company history (30,000m) in April 2025**
- **Roe Hills Gold Project in the Kalgoorlie region – aiming for maiden resource in 2026**

¹ KAI ASX announcement dated 15 May 2023 entitled 'Resource increases to 1.6Moz and remains open' – see Appendix 2 for table.

² KAI ASX announcement dated 1 August 2024 entitled 'Non-core Mt York ground sold to Pilbara Minerals for \$20M'

³ KAI ASX announcement dated 10 October 2025 entitled 'Kairos finalizes landmark agreement with PLS'

People & Corporate



Simon Lill
Non-Executive
Chairman



Dr Peter Turner
Managing Director



Mark Calderwood
Non-Executive
Director



Zane Lewis
Non-Executive
Director



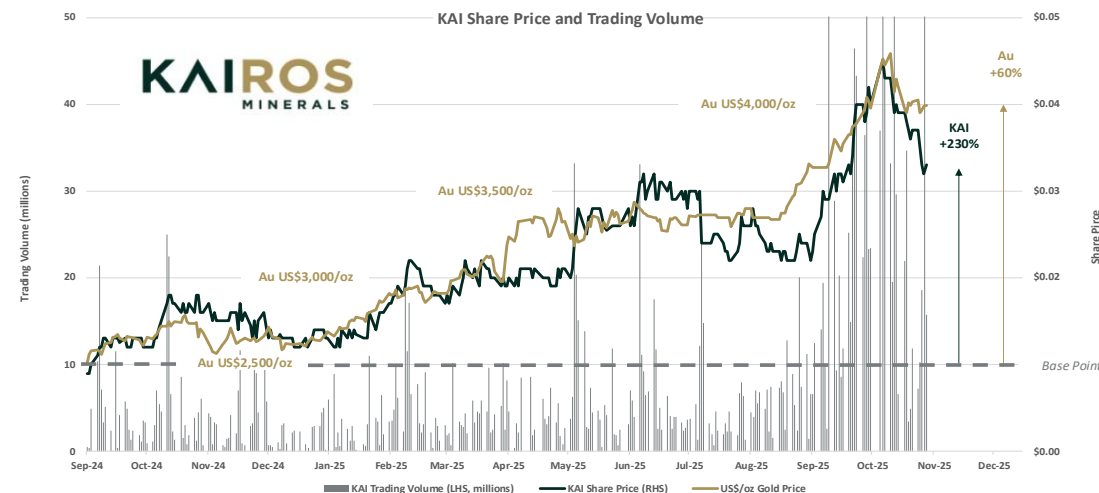
Robert Klug
Non-Executive
Director



Robert Featherby
Company Secretary



Mark Falconer
Exploration Manager



SHARES (POST-CAPITAL RAISE)²
3,367M

MARKET CAPITALISATION (at \$0.033 per share)
A\$111.1M

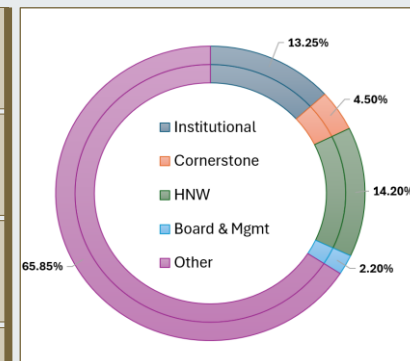
PERFORMANCE RIGHTS
144.0M

OPTIONS/RIGHTS (MAY'26)
341.6M @ 5c

CASH AT BANK²
\$30.43M

CASH OR PLS SHARES³
\$10.00M

Research



Franklin Templeton 6.68%

Regal Funds 5.99%

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¹Cash as of 30 September 2025

²Cash as of 30 September 2025 plus net proceeds from capital raise announced 15 October 2025. Allocation of 673,478,046 new shares

³Cash or PLS Shares anticipated in 2025

Gold resource projects in world class geological terrains

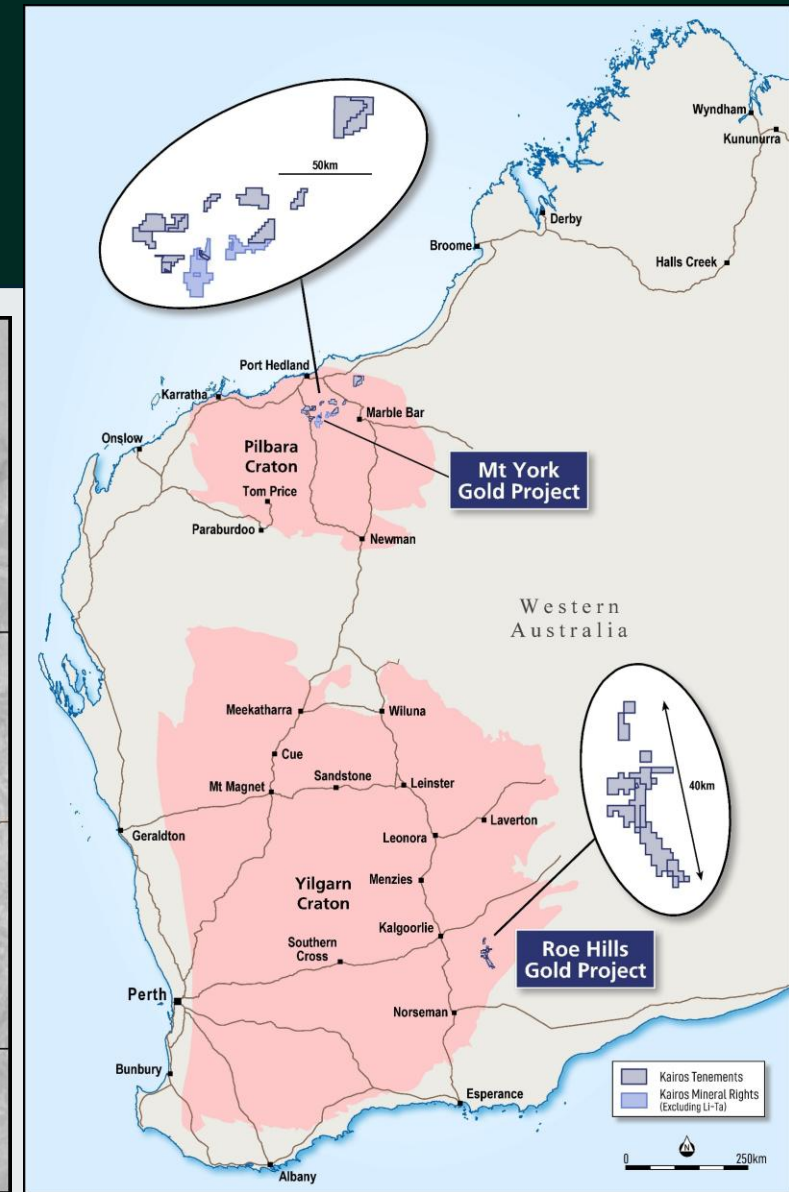
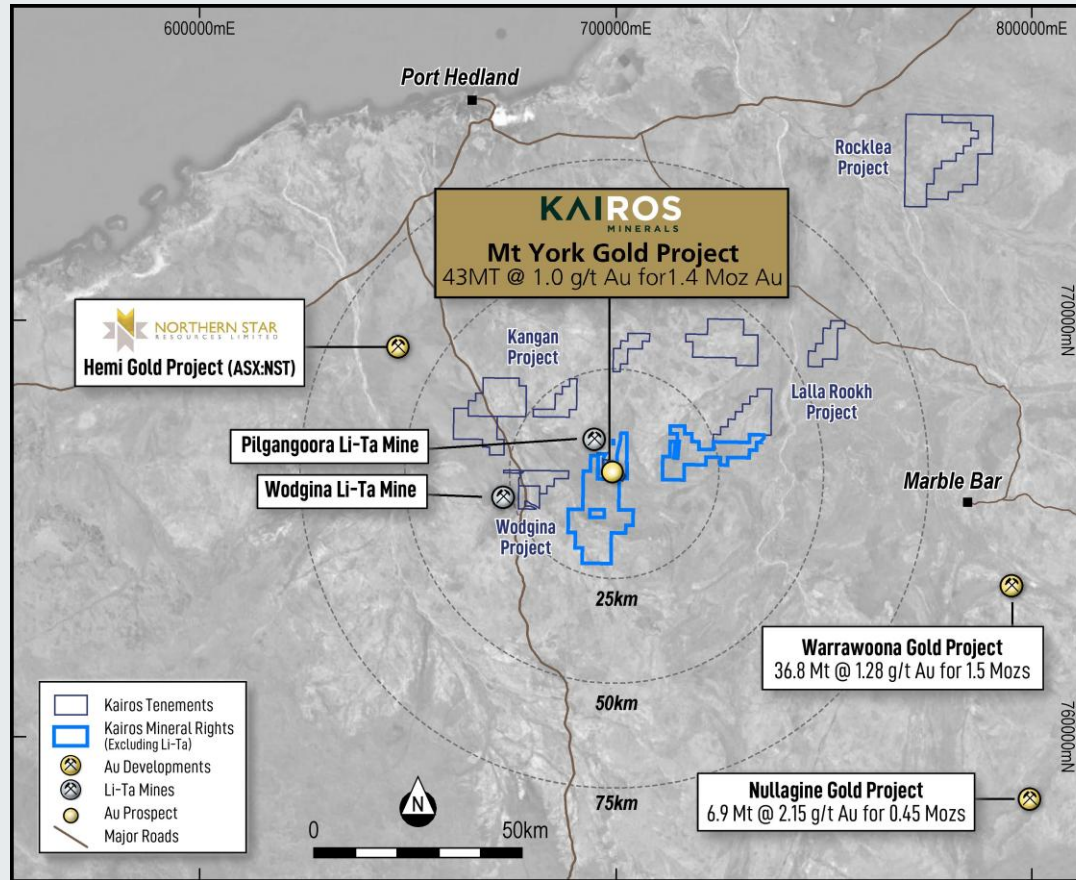
Licences & Applications

Pilbara

- 1,119 km²
- 367 km² (all mineral rights excluding Li, Ta)
- Easy access, excellent infrastructure
- 55km SE of ASX:NST Hemi Deposit

Roe Hills

- 100km east of Kalgoorlie
- 292 km²



Mt York Gold Project Fundamentals

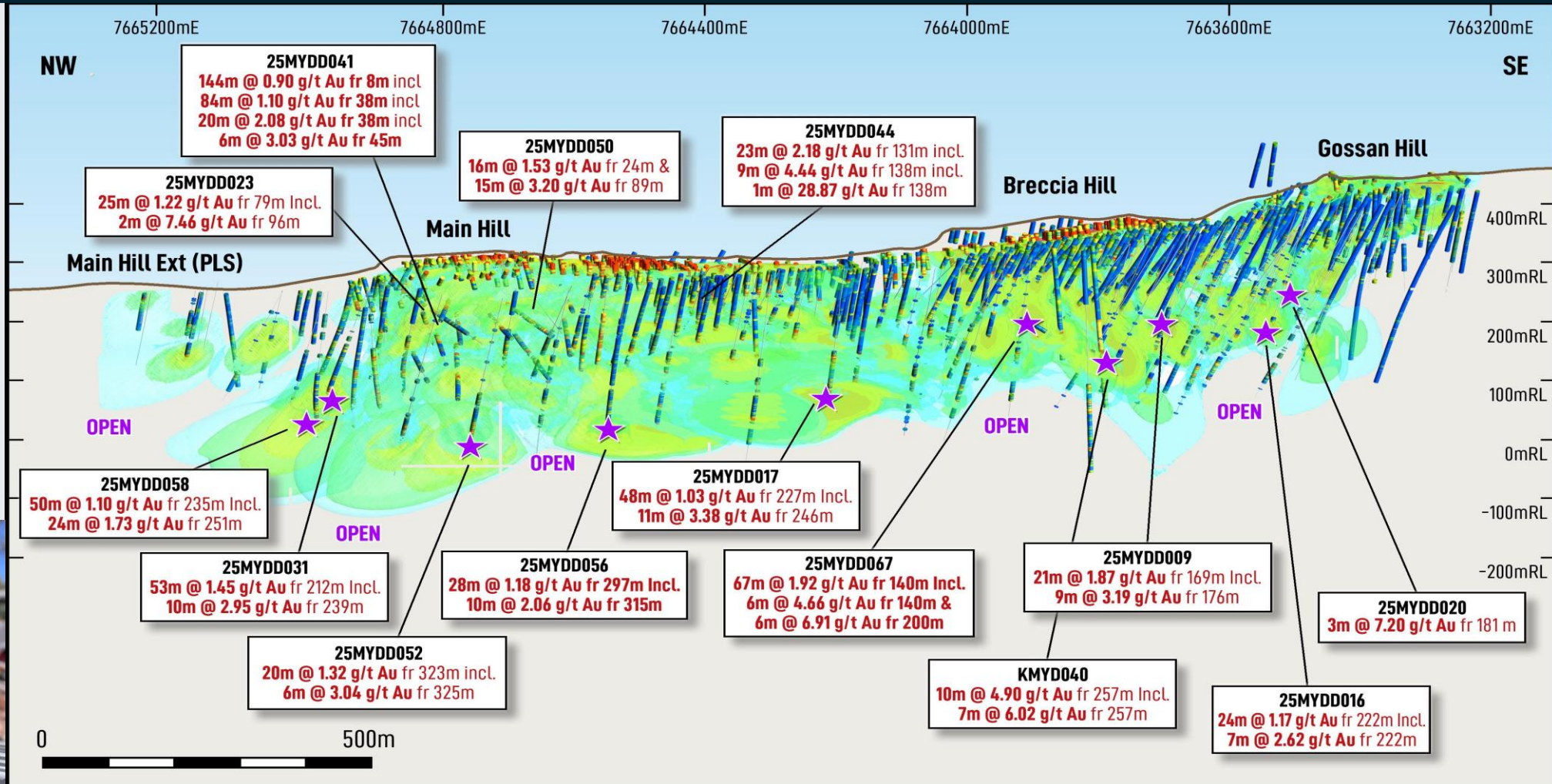
- **Tier 1 Location**, 100km south of Port Hedland, 55km SE of Northern Star's Hemi Gold Project – access to world-class infrastructure
- **1.4Moz JORC compliant Mineral Resource** optimising in a **single large open pit** – 50% Indicated, 50% Inferred resource categories
- **Banded Iron Formation (BIF)-hosted gold over 3,000m**. Up to 100m wide and open at depth and to the NW for at least 1,500m
- **Drilling underway (4 rigs) on 1,500m extension of the Mt York deposit**. Plus 367km² of blue sky exploration licences and an application to explore
- **Clean metallurgy**, proven CIL route
- **Robust Scoping Study**¹ results estimated pre-tax cash flows of \$574M, NPV_{5%} of \$410M & IRR of 35% at a gold price of A\$3,500/oz based on a 4MTPA process rate over an 8 year mine life costing \$276M (pre-production capital)
- **Simple Strategy** to drill for resource growth over studies, targeting a multi-million ounce gold project



¹ KAI ASX announcement dated 27 November 2024 entitled 'Strong Scoping Study forecasts robust financial returns'

Mt York – Open at Depth and to NW

- Large gold system
- Continuous mineralisation across 3km
- Open at depth
- Open to NW for another 1,500m



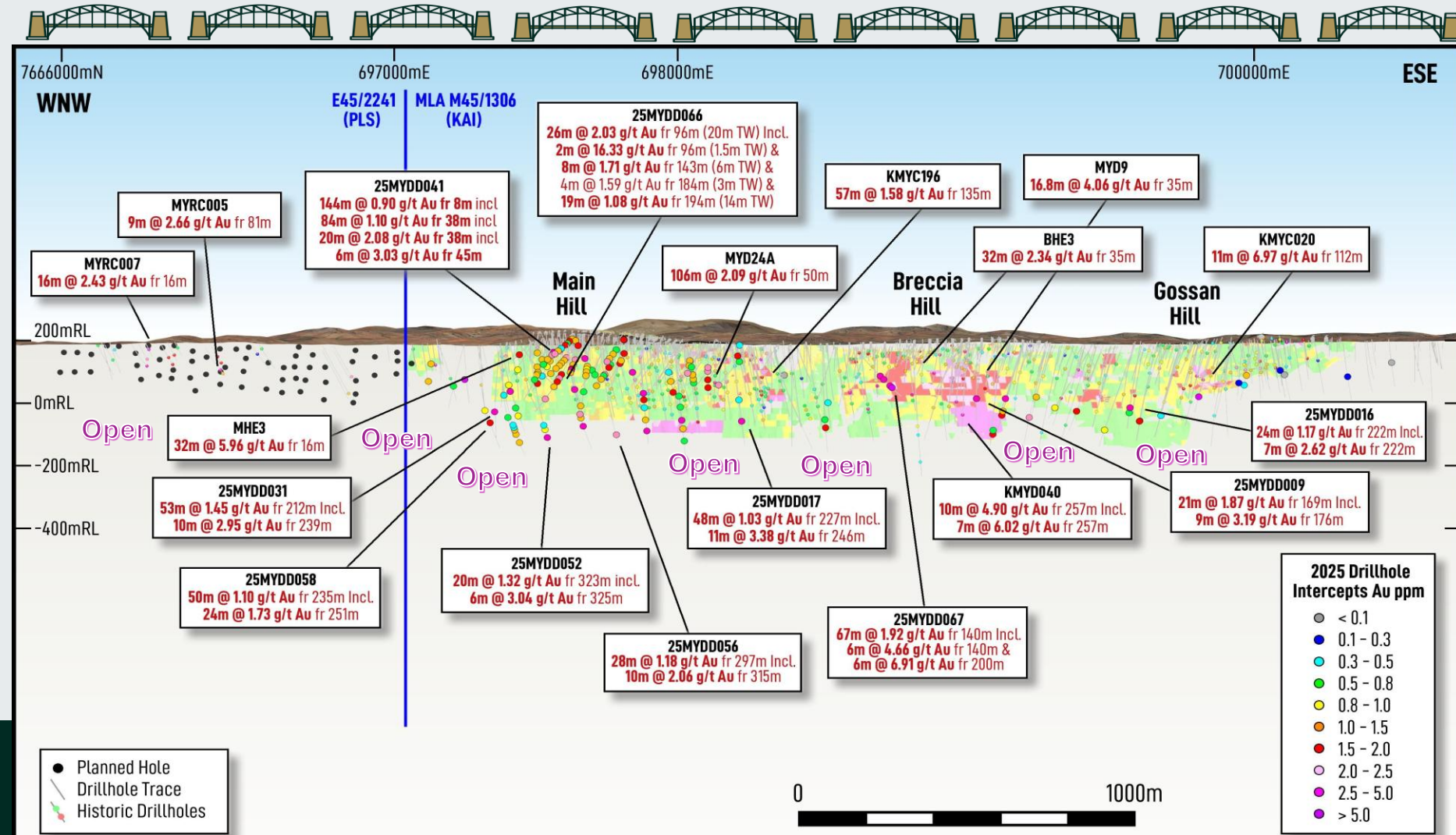
Resource Growth

Large gold mineralised system open at depth and along-strike to the NW



4 rigs (2 x RC, 2 x DD) in position drilling 1,500m extension of Mt York on PLS licence E45/2241

(PLS's Pilgangoora operations in background)



Mt York – Aggressive Development Timetable

Development Team ready to develop Mt York

	2025	2026				2027			
Activity	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th
Approvals and Permitting									
NT Mining Agreement									
Mining Licence Grant									
Resource drilling									
Regional Exploration									
Mineral Resource Estimate									
Mineral Reserve Estimate									
Mining, metallurgy, hydro									
PFS, DFS									
Final Investment Decision									

Newsflow

2025

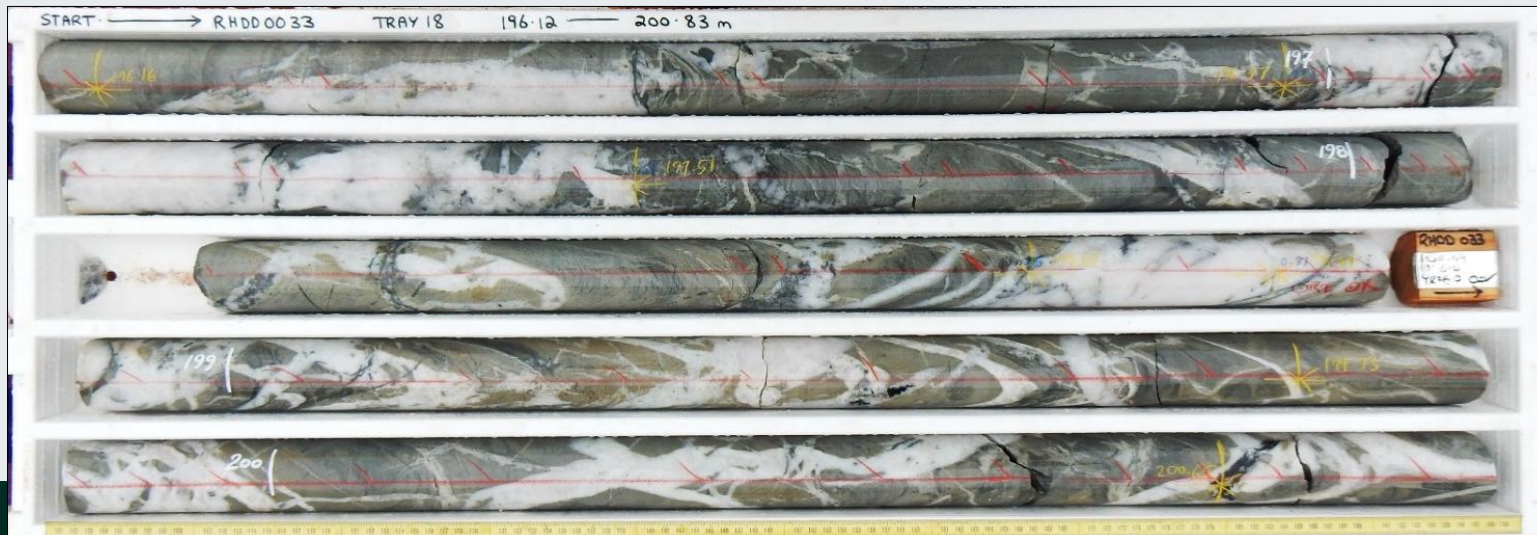
- Drilling results
- Native Title Mining Agreement
- Mining Lease grant

2026

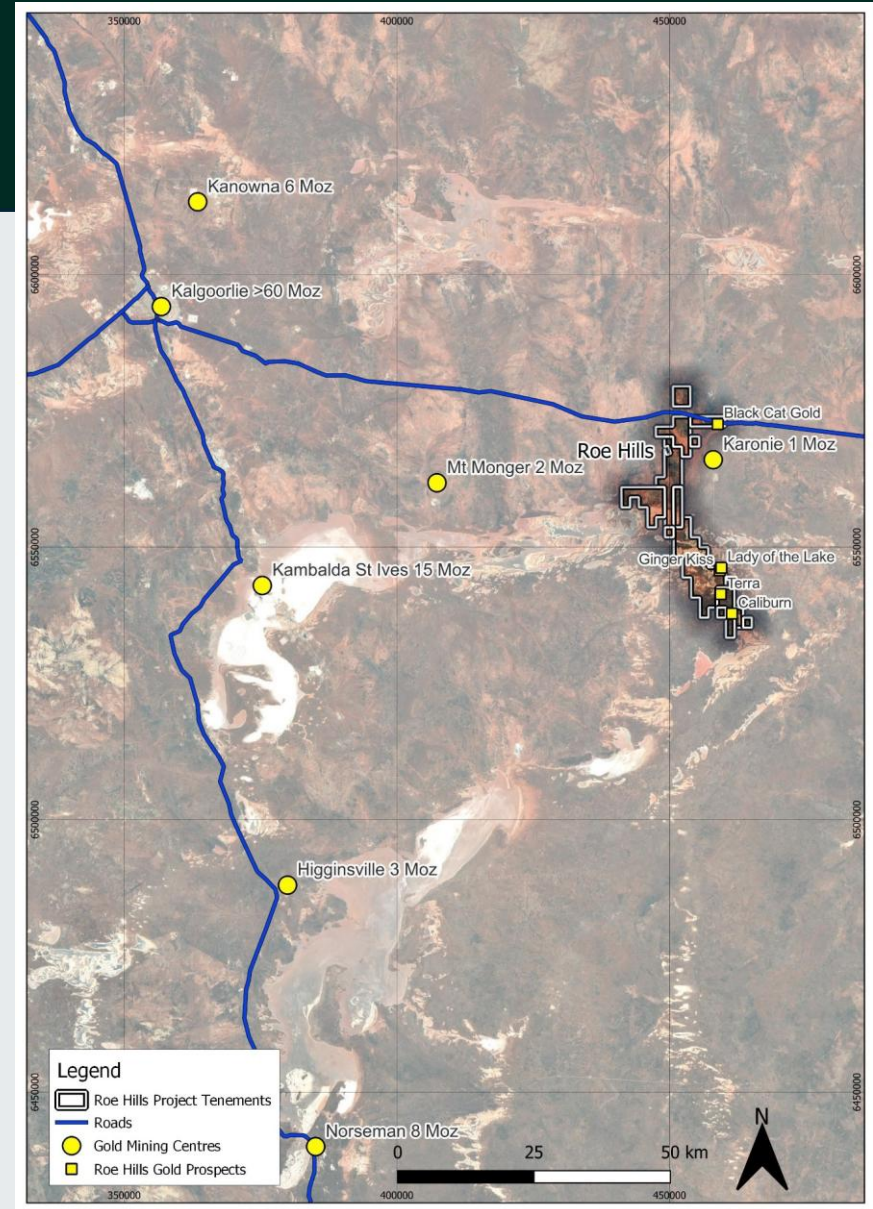
- Mineral Resource Estimate
- Exploration drilling
- Feasibility results
- Development updates

Roe Hills Gold Project

- Re-discovered from 2017-2019 drilling, exciting scale
- Alteration typical of large hydrothermal gold systems
- Terra Prospect
 - 11m @ 2.59 g/t Au from 78m (RHRC002)
 - 35m @ 1.00 g/t Au from 116.5m (TD1)
 - 23m @ 1.43 g/t Au from 104m (RHRC068)
- Caliburn Prospect
 - 22m @ 1.55 g/t Au from 144m inc. 10m @ 2.77 g/t Au from 144m (ROE147)

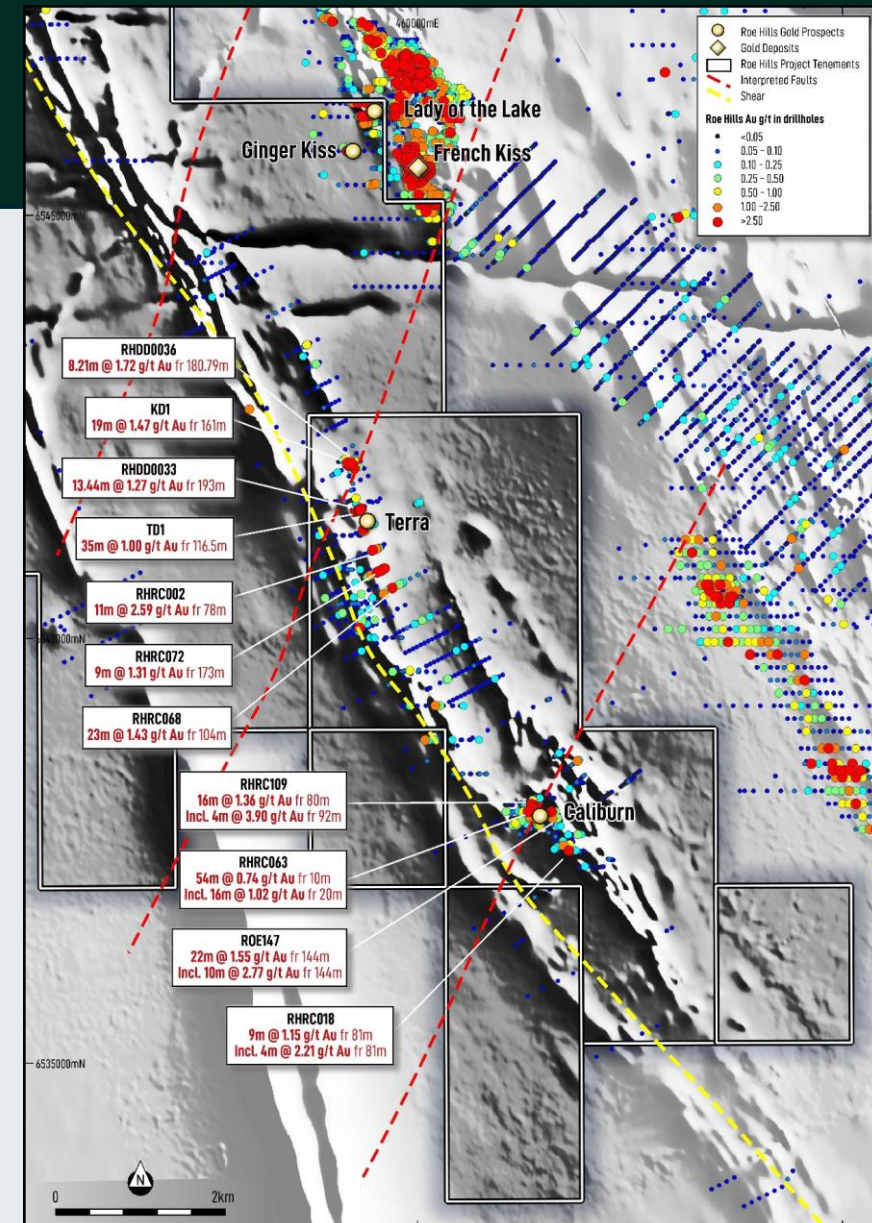
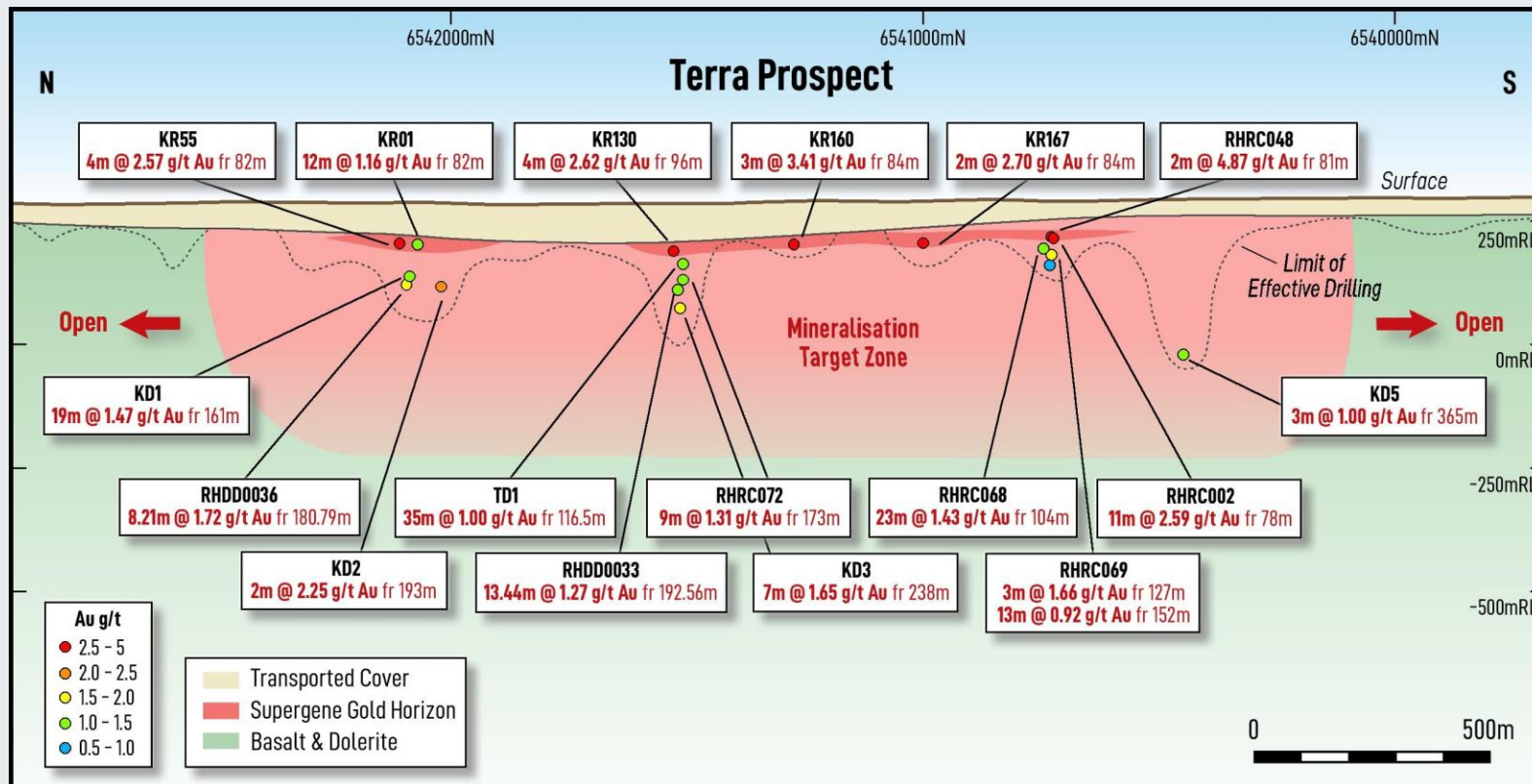


Albite-sericite-pyrite alteration of basaltic rocks, Terra Prospect. Drill hole RHDD0033, 196.12m – 200.83m depth.



Roe Hills Gold Project plans

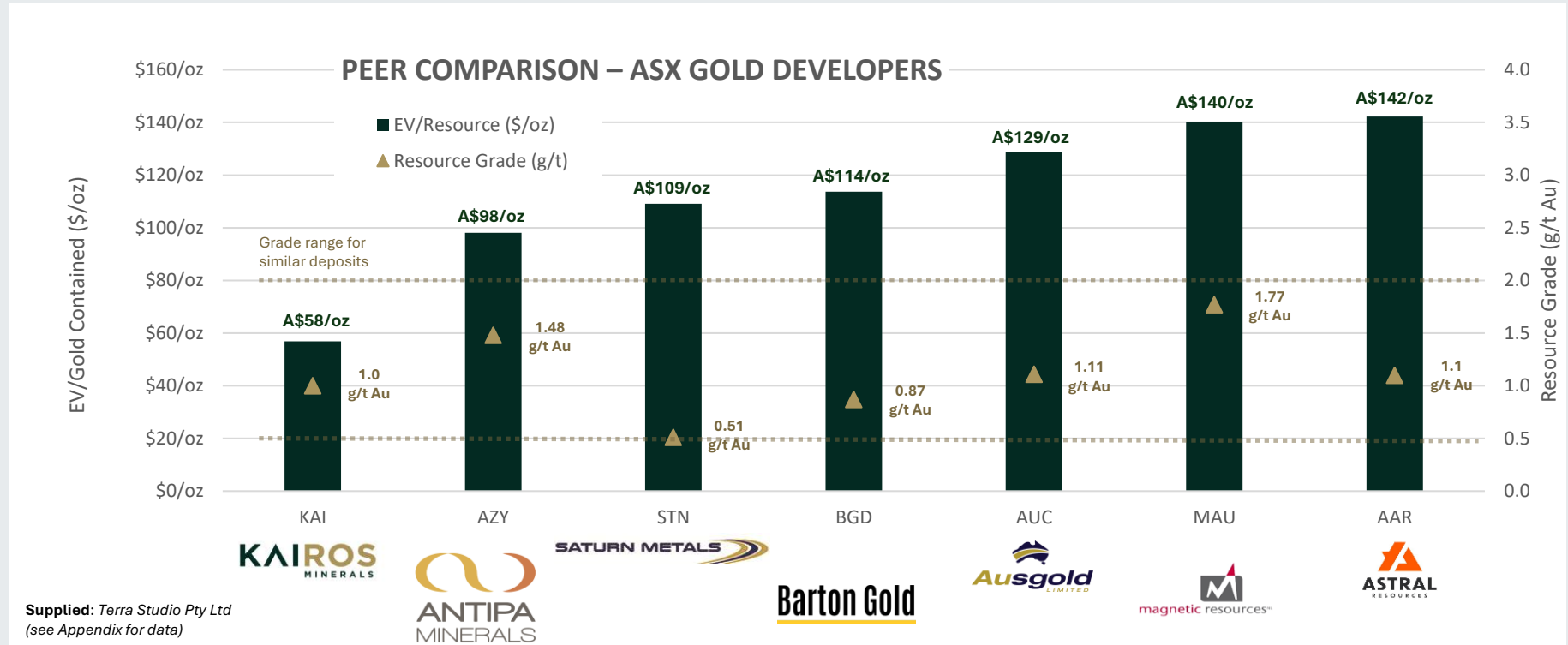
- Resource drilling (3,000m RC) anticipated Q2 CY2026
- Targeting maiden resource in 2026



KAI Peer Comparison

Takeaways

- KAI trades on EV/Resource of **A\$58/oz**
- Range of EV/Resources for projects with comparable grades (0.51 – 1.77 g/t Au)
 - AZY – \$98/oz
 - STN – \$109/oz
 - BGD – \$114/oz
 - AUC – \$129/oz
 - MAU – \$140/oz
 - AAR – \$142/oz
- KAI trading at 41% to 59% of the value of peers on an EV/oz basis





Investment Drivers

UNLIKE OTHER ASX GOLD COMPANIES

- Clear runway for **resource growth** (Mt York & Roe Hills)
- Clear vision for multi-million ounce resource
- De-risked project, eyeing development
- Single pit asset
- Clean metallurgy
- Robust economics, compelling returns at A\$3,500 gold price
- News flow
 - Drill results
 - Resource estimation
 - Mining Lease approval
- Strong cash position, funded to production decision
- Valuation metrics to our peers

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Appendix 1 – Slide 13 Peer Comparison Data

Peer Comparison Information

- Peer comparison data and chart on Slide 13 was produced by Terra Studio Pty Ltd and supplied to Kairos
- Peer comparisons are treated as a valuable source of information to ascertain the value of a company versus another using an internationally recognized metric of EV/Resources.
- Enterprise Values are calculated using market capitalization, subtracting cash and adding debt.
- Share price, date of shares, market capitalization and enterprise value calculated on closing price on ASX on 7 November 2025
- Gold-dominant or gold equivalent commodity project
- Value is attributed to a single gold project, if multiple projects then the company's EV was divided by the combined gold resources on a weighted average basis.
- Project stage must be defined, for example, scoping, prefeasibility or exploration for each company
- Project location in Australia and listed on the ASX
- Rounding errors may occur due to use of different decimal places
- AZY resources have been calculated using AuEq
- BGD has Ag credits but the company does not provide a reasonable, practical way showing Ag distribution through the Au zones. Therefore calculating a AuEq is not possible.

Name	Exchange		Project	Country	Ownership	Commodity	Development Status	Shares	Closing Share Price (7/11/2025) (A\$)	MktCap (A\$M)	Cash (A\$M)	Debt (A\$M)	EV (A\$M)	Measured (Mozs)	Indicated (Mozs)	Inferred (Mozs)	Resource Ounces (All categories, Moz)	EV/Resources A\$/oz	Source	Date(s)
Kairos Minerals Ltd	ASX	KAI	Mt York	Australia	100%	Au	Scoping	3,367,390,235	0.033	111	30.4	-	80.7	-	0.690	0.697	1.385	58	Updated Company Presentation	22-Oct-25
Antipa Minerals Ltd	ASX	AZY	Minyari Dome	Australia	100%	Au, Cu, Ag	Scoping	658,886,132	0.540	356	61.4	-	294	-	2.14	0.840	3.000	98	Precious Metals Summit Zurich	10-Nov-25
Saturn Metals Ltd	ASX	STN	Apollo Hill	Australia	100%	Au	PEA	538,346,429	0.495	266	22.1	-	244	0.083	1.753	0.403	2.239	109	Presentation - Australian Gold Conference	14-Oct-25
Barton Gold Holdings Ltd	ASX	BGD	Tunkillia	Australia	100%	Au, Ag	Scoping	237,961,810	1.075	256	6.3	4.5	254	-	1.049	1.186	2.234	114	Presentation to Australian Gold Conference	14-Oct-25
Ausgold Ltd	ASX	AUC	Katanning	Australia	100%	Au	DFS	433,476,833	0.780	338	23.4	-	315	1.531	0.693	0.219	2.443	129	Investor Presentation Precious Metals Summit Beaver Creek	9-Sep-25
Magnetic Resources Ltd	ASX	MAU	Laverton	Australia	100%	Au	DFS	295,265,356	1.230	363	37.9	-	325	-	1.72	0.600	2.320	140	Investor Presentation – Diggers and Dealers 2025	30-Jul-25
Astral Resources Ltd	ASX	AAR	Mandilla	Australia	100%	Au	PFS	1,480,425,060	0.180	266	15.9	-	251	-	1.259	0.502	1.761	142	RRS Investor Conference Presentation	18-Sep-25

Appendix 2 – Kairos Mt York Gold Resource

Deposit	Indicated			Inferred			Total		
	Tonnes (MT)	Au (g/t)	Ounces (kozs)	Tonnes (MT)	Au (g/t)	Ounces (kozs)	Tonnes (MT)	Au (g/t)	Ounces (kozs)
Main Trend	20.25	1.06	690	22.83	0.95	697	43.08	1.00	1,385
Total	20.25	1.06	690	22.83	0.95	697	43.08	1.00	1,385

The Mineral Resources were first reported in the announcement dated 15 May 2023 (Announcement) and subsequently updated in an announcement dated 5 September 2024. The Company confirms that it is not aware of any new information or data that materially affects the information included in the Announcement and, in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.