

# KAIROS

MINERALS

ASX Code: KAI



RESOURCES  
RISING STARS  
GOLD COAST - 16 MAY 2023

3	79
<b>Li</b>	<b>Au</b>
LITHIUM	GOLD
6.941	196.966

**Focussed on Lithium Discoveries + 1.62moz Au**  
Pilbara & Yilgarn, Western Australia

Dr Peter Turner - **Managing Director**



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The information contained in this report relating to Exploration Results, and Minerals Resources has been previously reported by the Company as set out in the respective references within the presentation (Announcements). The Company confirms that it is not aware of any new information or data that would materially affect the information included in the Announcements and, in the case of estimates of Mineral Resources, released on 15 May 2023, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

# Kairos Corporate



## SHARES

Share Price	ASX:KAI	A\$0.021
Shares Outstanding		1,964,093,491
Shareholders		5,432
Options @ 5c		158,000,000
Options @ 8c		138,400,000
Performance Rights		25,000,000

## MARKET CAP A\$41.25m

Cash (30 Mar 2023) A\$1.34m

EV A\$39.91m

EV/resources (Ind+Inf) Au A\$25/oz

## TOP 20 33.31%

Directors 4.73%

## KAIROS SHAREPRICE



## BOARD



**KLAUS ECKHOF**  
CHAIRMAN

Geologist & well-known entrepreneur with long history of developing large-scale, globally significant gold, base metal and lithium deposits in Australia and worldwide.



**Dr PETER TURNER**  
MANAGING DIRECTOR

Geologist with rich history of discovery and development of mineral projects in Australia, Africa, Middle East & Asia. Peter brings a wealth of technical and management experience



**MARK CALDERWOOD**  
NON-EXEC DIRECTOR

30 years of discovery and development of gold and lithium projects in Australia and Africa. Previously MD of Perseus Mining. Mark oversaw the development of the Bald Hill Lithium Mine



**ZANE LEWIS**  
NON-EXEC DIRECTOR

Zane is the founder and owner of SmallCap Corporate which specialises in corporate advice to public companies and is Managing Director of Golden Triangle Capital

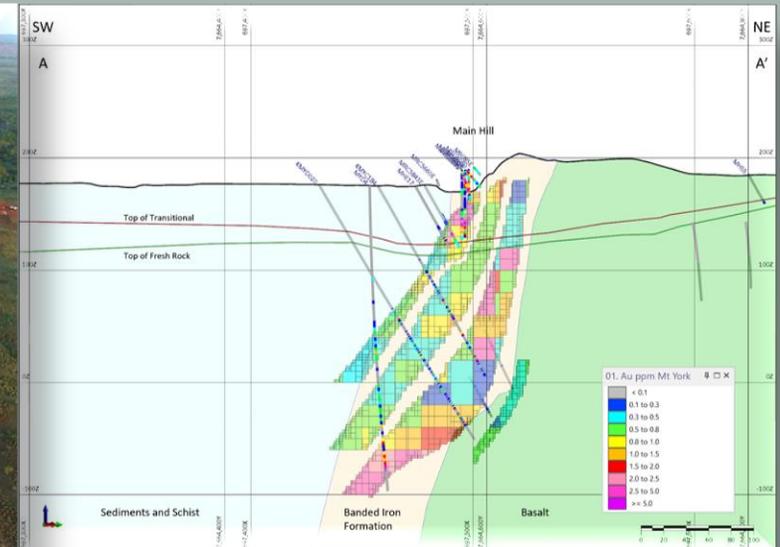


**PHIL COULSON**  
NON-EXEC DIRECTOR

Corporate Advisory Executive with stockbroking firms Montagu and Patersons Securities Limited specialising in debt, equity and corporate finance

# Major Gold Deposit in the Pilbara

- 150km south of Port Hedland, 40km south of Hemi (ASX:DEG)
- Massive Archaean arcuate BIF-Gold system
- **Main Trend** + 2 satellite deposits
- Mineralisation exposed on ridgeline along 3,000m
- Mt York Global Resource: **49.24 Mt @ 1.02 g/t Au for 1.62 Moz<sup>1</sup>**
- Underpins KAI value (EV/resources of A\$25/ounce<sup>2</sup>)
- Mining Lease Applications (#2) submitted (Dec 2022)
- Studies, Stakeholder engagement to advance project
- Focussed on regional exploration & resource growth in 2023

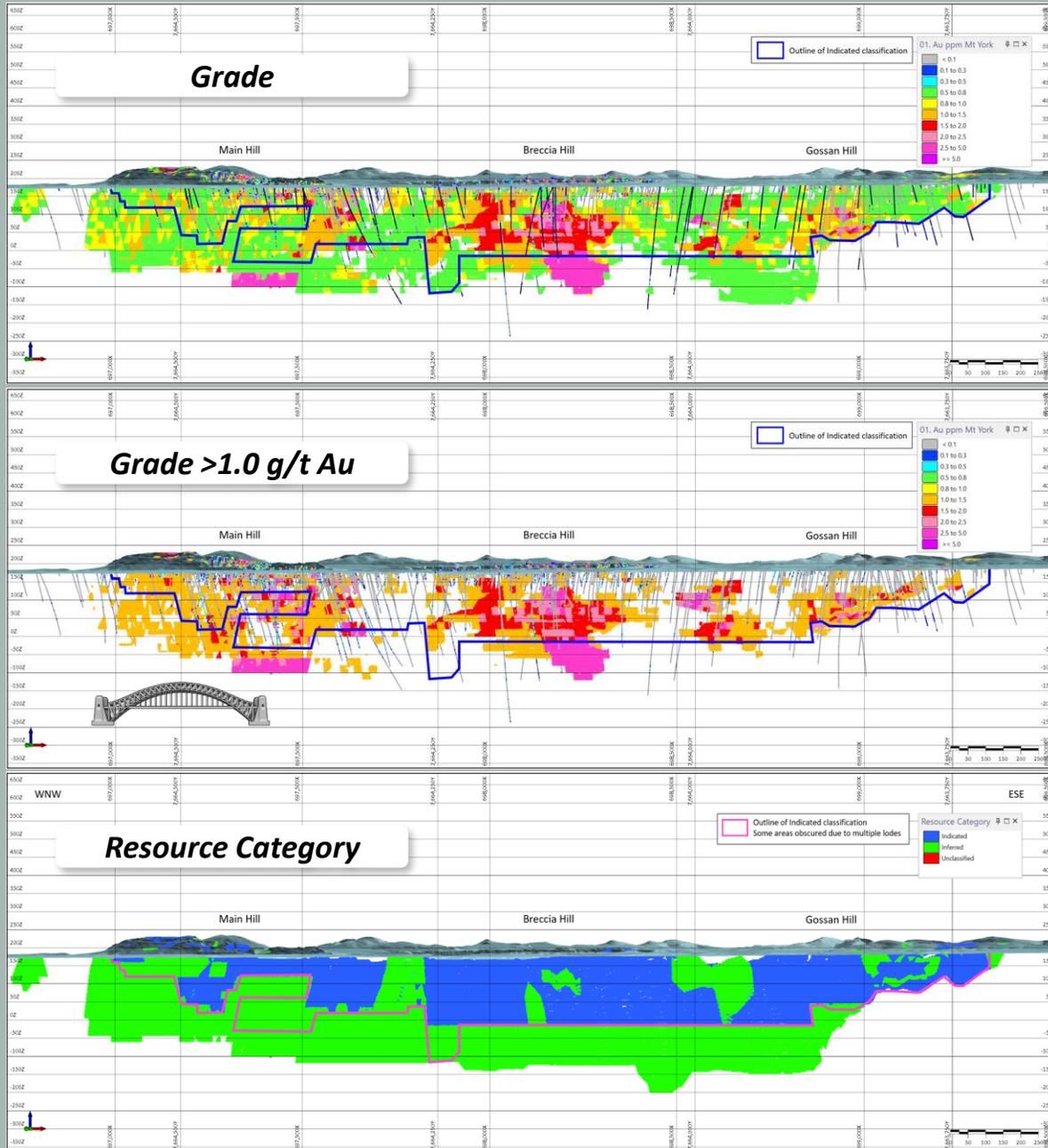


<sup>1</sup>Refer to KAI press release dated 15 May 2023 entitled 'Gold resource increases to 1.6Moz and remains open'

<sup>2</sup>Based on a KAI Share Price of A\$0.021, cash balance as at end of Mar' 2023 of A\$1.34m and resources of 1,618,000 ounces

# 1.62 Moz and Open

- **Continuous**, hangingwall BIF mineralisation
- High-grade plunging shoots
- Open below 200m
- Main Hill relatively untested due to topography
- ResCat: Indicated 52%, Inferred 48%
- Pit optimization work underway



Deposit	Cut-off (Au g/t)	Indicated			Inferred			Total		
		Tonnes (Mt)	Au (g/t)	Ounces (koz)	Tonnes (Mt)	Au (g/t)	Ounces (koz)	Tonnes (Mt)	Au (g/t)	Ounces (koz)
Main Trend	0.5	20.25	1.06	690	22.83	0.95	697	43.08	1.00	1,385
Iron Stirrup	0.5	1.28	1.72	70	0.71	1.54	35	1.99	1.66	106
Old Faithful	0.5	2.17	1.07	75	2	0.81	52	4.17	0.95	127
<b>Total Mt York</b>		<b>23.7</b>	<b>1.10</b>	<b>835</b>	<b>25.54</b>	<b>0.95</b>	<b>784</b>	<b>49.24</b>	<b>1.02</b>	<b>1,618</b>

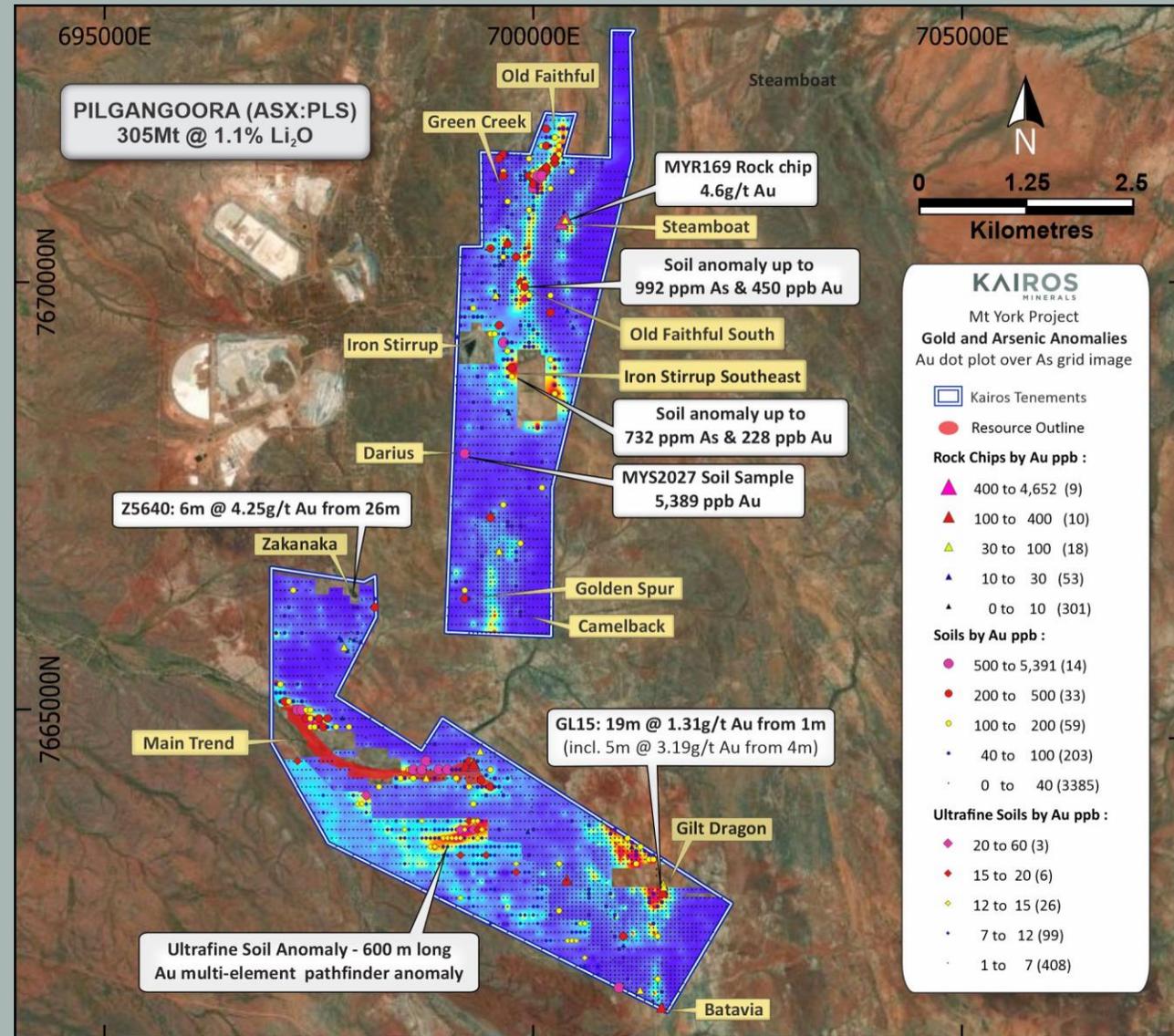
**Table 1:** Mineral Resource Estimate for the Mt York gold project, including the updated resource for Main Trend (0.50g/t Au cut-off above -150mRL = 325m maximum vertical depth). Totals may vary due to rounding.

Grade Cut Off (> Au g/t)	Indicated			Inferred			Total		
	Tonnes (Mt)	Grade (Au g/t)	Ounces (koz)	Tonnes (Mt)	Grade (Au g/t)	Ounces (koz)	Tonnes (Mt)	Grade (Au g/t)	Ounces (koz)
0.1	31.8	0.91	929	42.53	0.72	987	74.33	0.81	1928
0.2	31.35	0.92	927	42.1	0.73	991	73.46	0.82	1926
0.3	30.19	0.95	921	39.98	0.75	968	70.17	0.84	1886
0.4	27.56	1.01	895	33.16	0.84	895	60.73	0.91	1786
0.5	23.7	1.10	835	25.54	0.95	784	49.24	1.02	1618
0.6	20.17	1.20	775	19.67	1.08	684	39.85	1.14	1457
0.7	16.92	1.30	707	15.21	1.21	592	32.13	1.26	1297
0.8	14.56	1.39	650	11.29	1.36	494	25.85	1.38	1144
0.9	12.56	1.47	594	8.51	1.53	419	21.07	1.50	1015
1.0	10.66	1.57	538	6.61	1.70	361	17.29	1.62	902
1.1	8.97	1.67	482	5.13	1.89	312	14.1	1.75	794
1.2	7.35	1.79	423	3.8	2.16	264	11.14	1.91	684

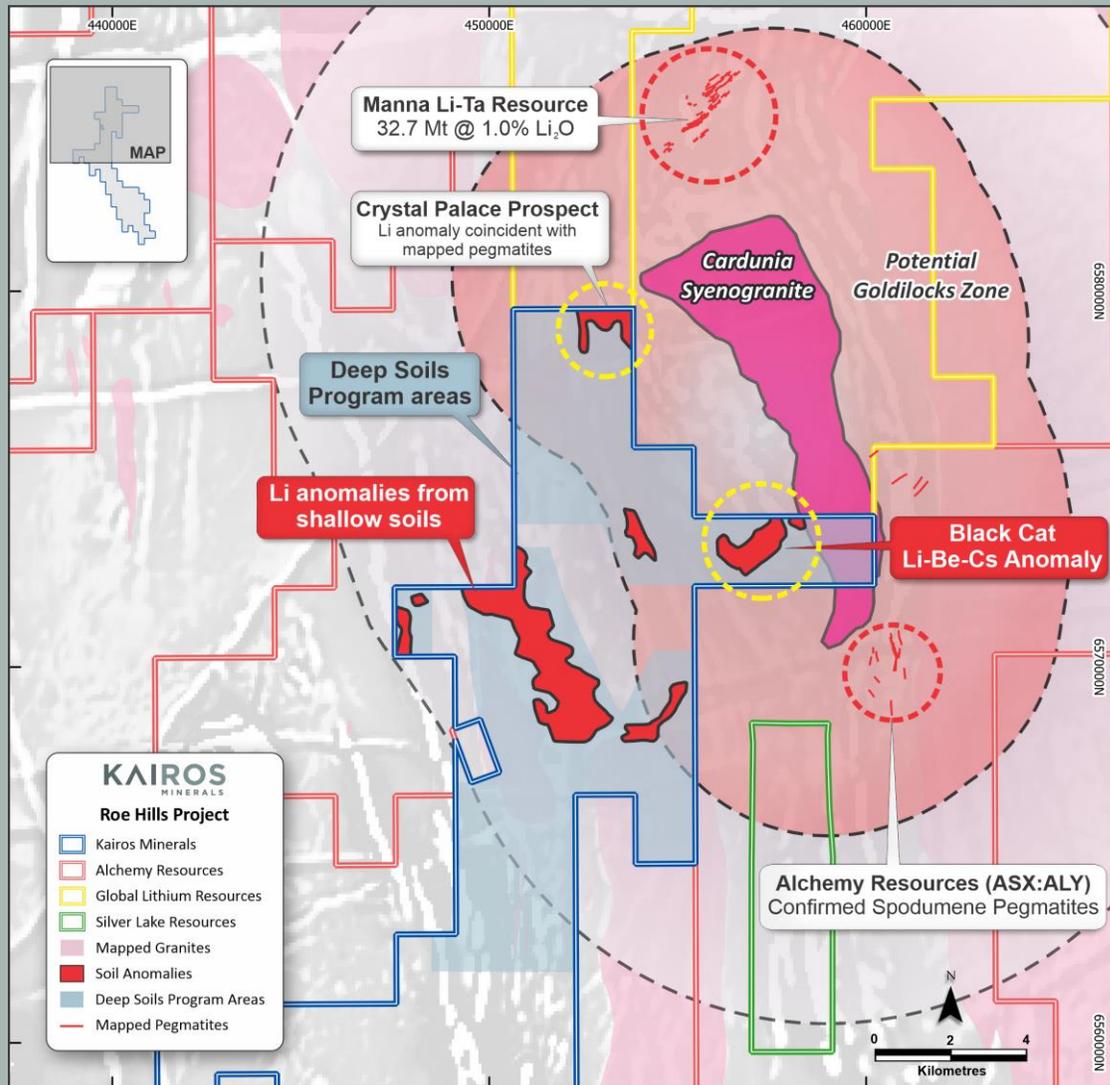
**Table 2:** Grade and Tonnage table for the combined Mt York gold project (Main Trend, Iron Stirrup and Old Faithful). Totals may vary due to rounding.

# Growth Strategy to +2 Moz

- 2023 targets include
  - Main Hill (under-drilled, 100m+ wide)
  - Gilt Dragon (19m @ 1.31 g/t Au fr 1m)
  - South of Main Trend anomaly
  - Southern extension of Old Faithful (4km)
- Off-lease targets



# Roe Hills: Under Explored New Li Province



## • Black Cat & Crystal Palace Prospects

- Big lithium address, 100km east of Kalgoorlie
- Manna Li Resource – 32.7 Mt @ 1.0% Li<sub>2</sub>O (ASX:GL1)
- Spodumene reported to SE of Cardunia Syenogranite (ASX:ALY)
- Kairos targeting spodumene pegmatites on western flank
- Large Li anomalies, coincident pathfinder elements (Cs, Be, Rb, Sn)
- Black Cat : 2,800m long, strikes NE
- Crystal Palace : +500m long, SW extension of Manna?
- Lookalike auger anomalies (Li-Be-Cs-Rb-Sn) to Manna
- Anomalies have same strike, same geology as Manna
- Heritage Agreements advanced
- 4,000m RC drilling planned
- Auger sampling to continue, covering prospective granites
- Newsflow

# Lithium focus near Manna Li Deposit

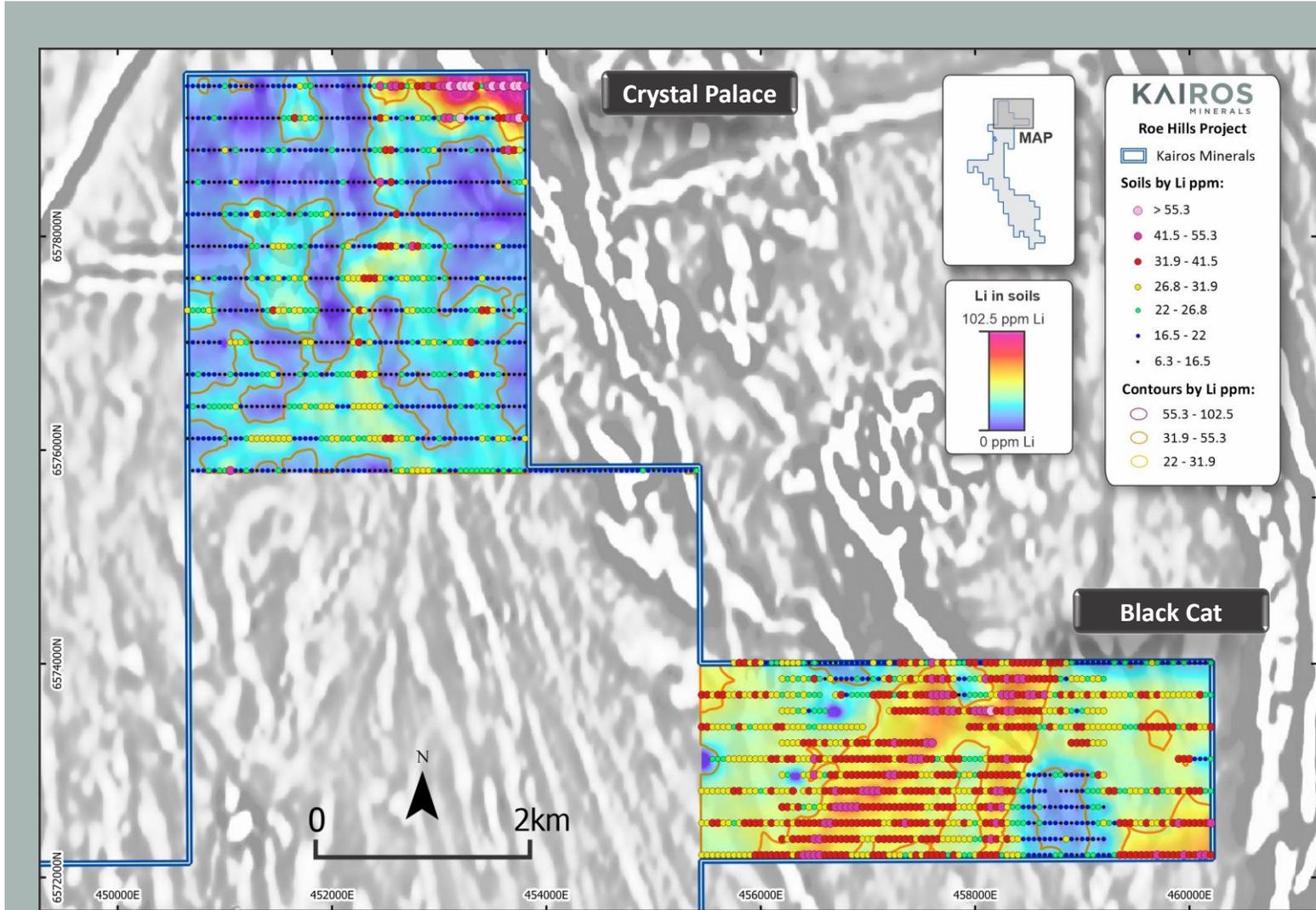
## • Black Cat

- Multiple soil sampling results<sup>1,2</sup> show consistent 2,800m long Li anomaly
- Similarities to the Manna Li deposit 10km to the north
- Heritage Agreements advanced
- Highest priority drill targets
- 4,000m RC drilling scheduled

## • Crystal Palace

- High-grade Li-Cs-Be-Sn anomalism
- SW extension of Manna(?)
- Mapped pegmatites
- Lepidolite reported

<sup>1</sup>Refer to KAI press release dated 15 February 2022 entitled 'Extensive lithium and pathfinder elements anomaly defined at Roe Hills Project – East Kalgoorlie'  
<sup>2</sup>Refer to KAI press release dated 4 April 2023 entitled 'Infill soil sampling confirms compelling 2.8km lithium anomaly'



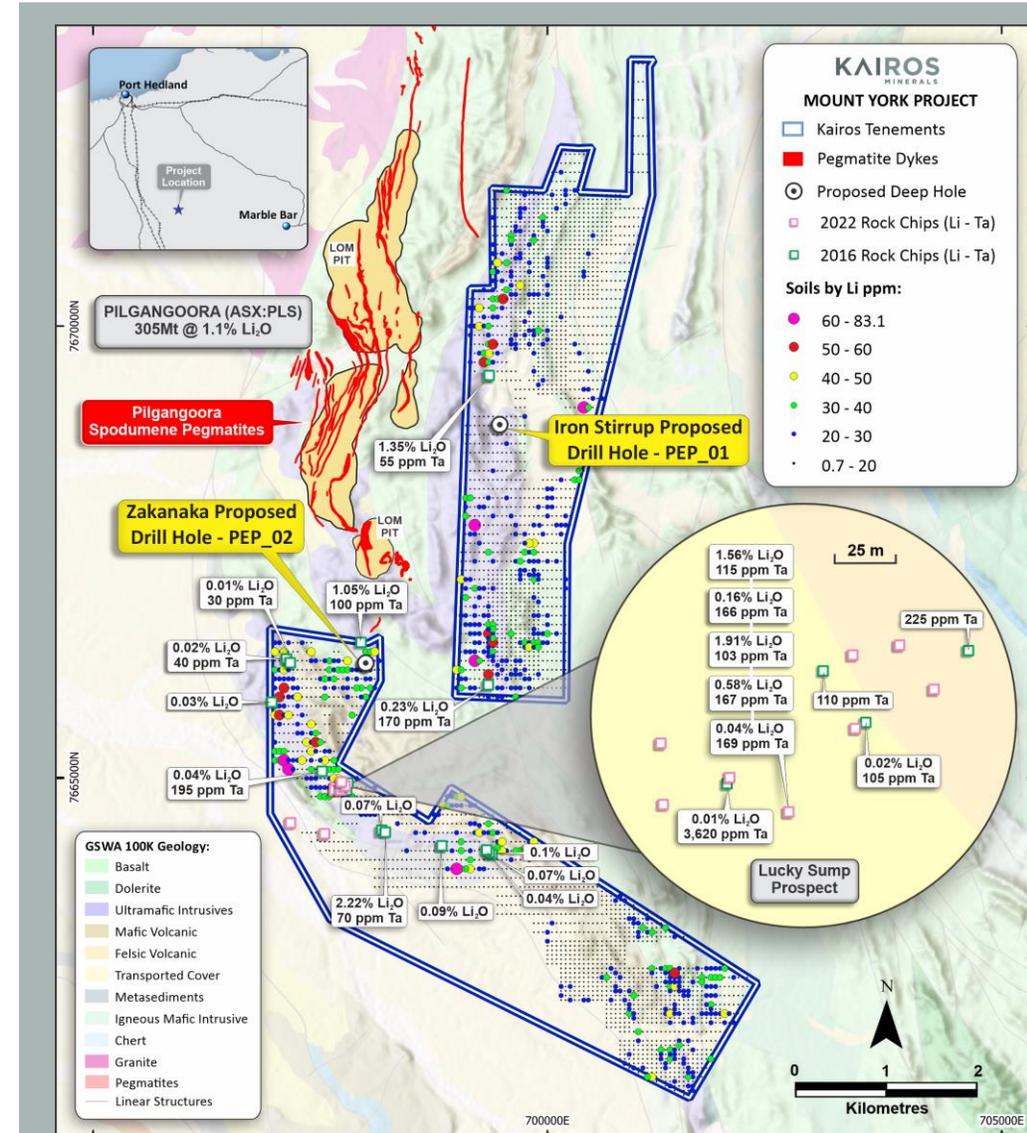
# Pilbara Lithium: Pilgangoora Extension Project

- **Testing the world-class Pilgangoora Li pegmatite swarm**

- Mt York neighbours Pilbara Minerals Ltd (ASX:PLS) Pilgangoora Mine (305 Mt @ 1.1% Li<sub>2</sub>O) (red on map)
- Huge spodumene pegmatite system dips 40° towards east
- KAI rock chip sampling confirms spodumene pegmatites<sup>1</sup>
- Large pegmatite sheets could extend into KAI tenements
- PLS confirmed to be drilling up to KAI boundary
- World-class lithium target
- Exploration techniques examined: seismics, drilling
- Potential game-changer for KAI

- **Timing**

- Drilling scheduling June/July 2023



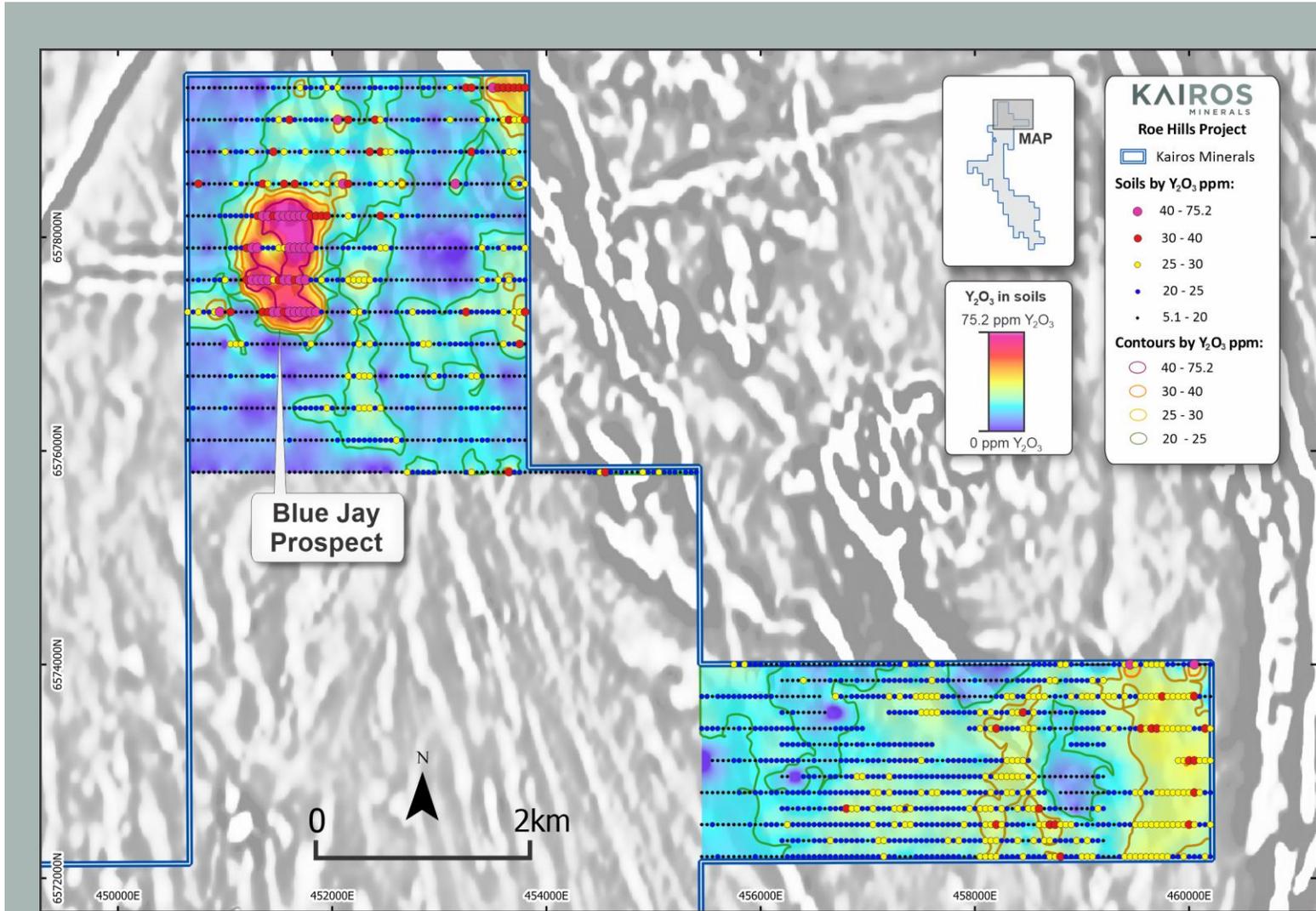
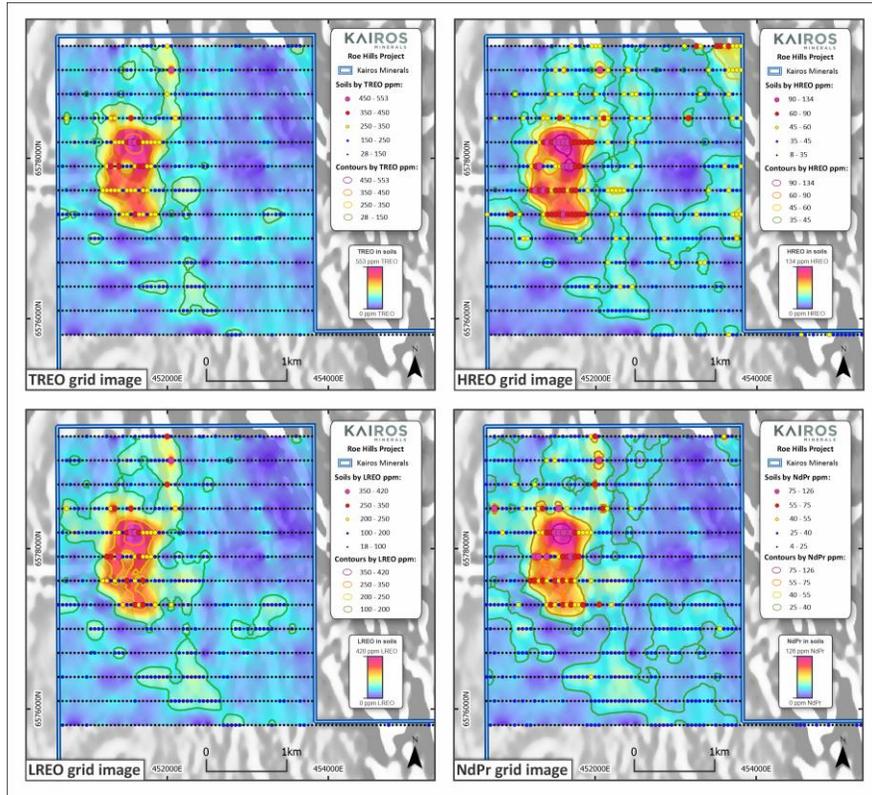
Map contains information compiled from ASX:PLS December 2021 quarterly report on the location of Pilgangoora pegmatites and LOM pits; <sup>1</sup>For KAI rock chip information refer to KAI press release dated 7 June 2016 entitled 'High-grade lithium and tantalum confirmed at Kairos' Mt York project in WA's Pilbara' and 1 August 2022 entitled 'High-grade lithium assays confirm significance of spodumene-bearing pegmatite'.



# Rare Earth Elements: a welcome surprise

- **Blue Jay**

- 1000 x 600m LREE, HREE anomaly<sup>1</sup>
- Right geology
- Early stage, encouraging
- 500m RC drilling scheduled



<sup>1</sup>Refer to KAI press release dated 13 April 2023 entitled '1km-long rare earths anomaly highlights potential for significant discovery'



## CONTACT DETAILS

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