# KAIROS MINERALS

ASX Code: KAI

RESOURCES RISING STARS
GOLD COAST - 16 MAY 2023

| 3 Li LITHIUM 6.941 | 79 Au GOLD 196.966 |
|---|---|

# Focussed on Lithium Discoveries + 1.62moz Au

## Pilbara & Yilgarn, Western Australia

**Dr Peter Turner** - Managing Director

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# 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

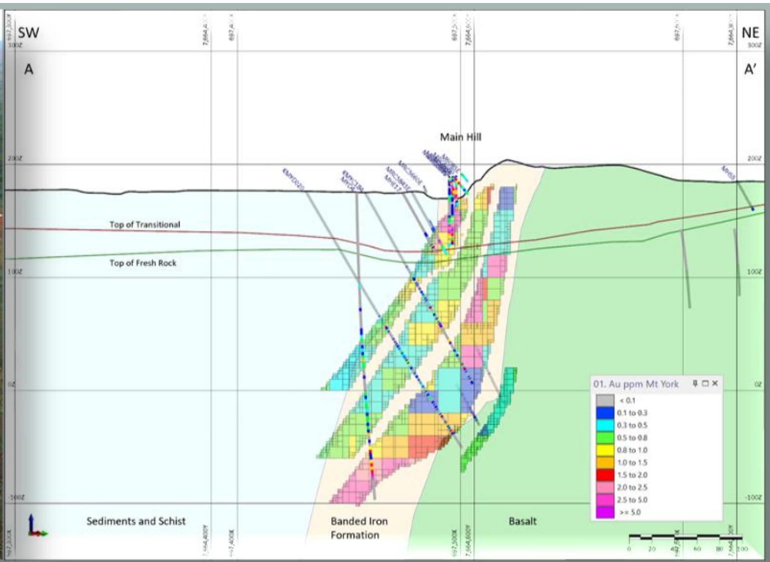
PHIL COULSON
NON-EXEC DIRECTOR

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

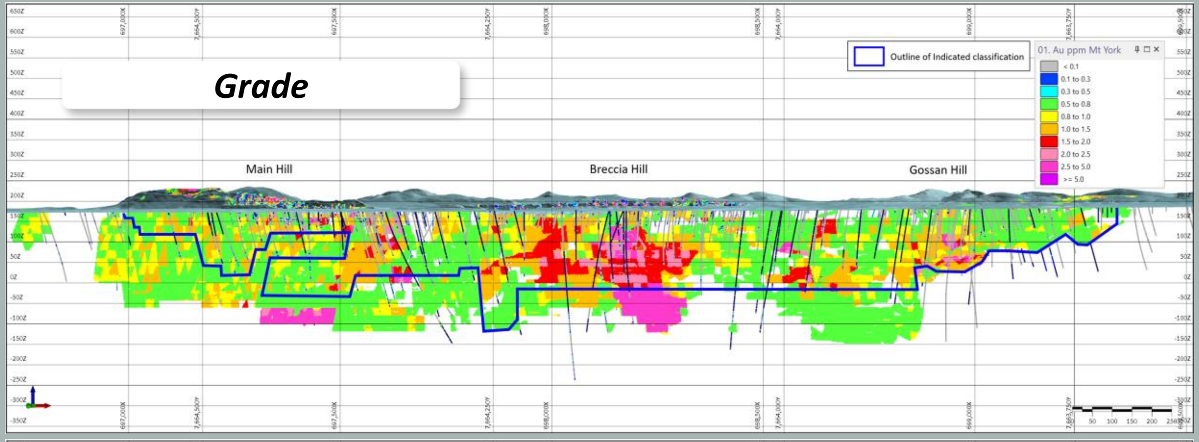
# Major Gold Deposit in the Pilbara

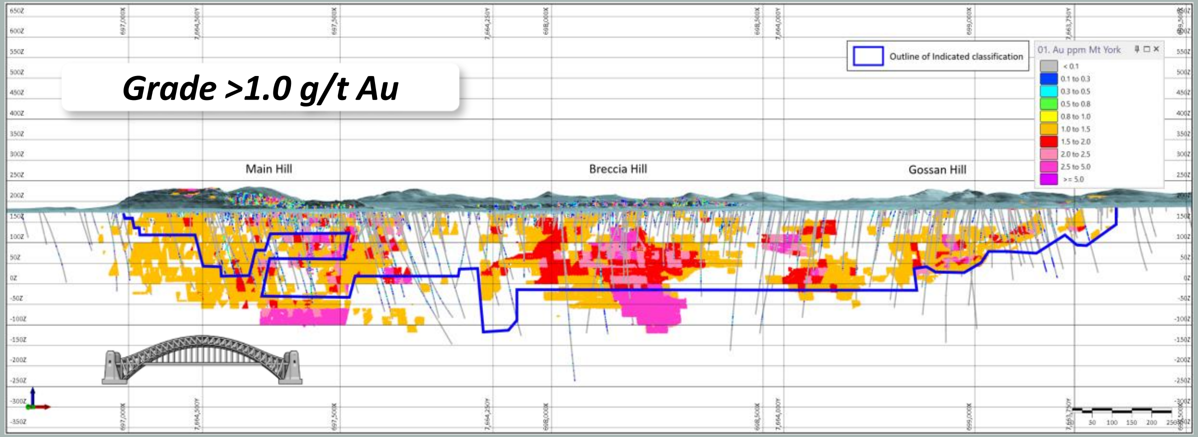
- 150km south of Port Hedland, 40km south of Hemi (ASX:DEG)
- Massive Archaean arcuate BIF-Gold system
- **Main Trend** + 2 satellite deposits
- Mineralisation exposed on ridgeline along 3,000m
- Mt York Global Resource: **49.24 Mt @ 1.02 g/t Au for 1.62 Moz**[1]
- Underpins KAI value (EV/resources of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

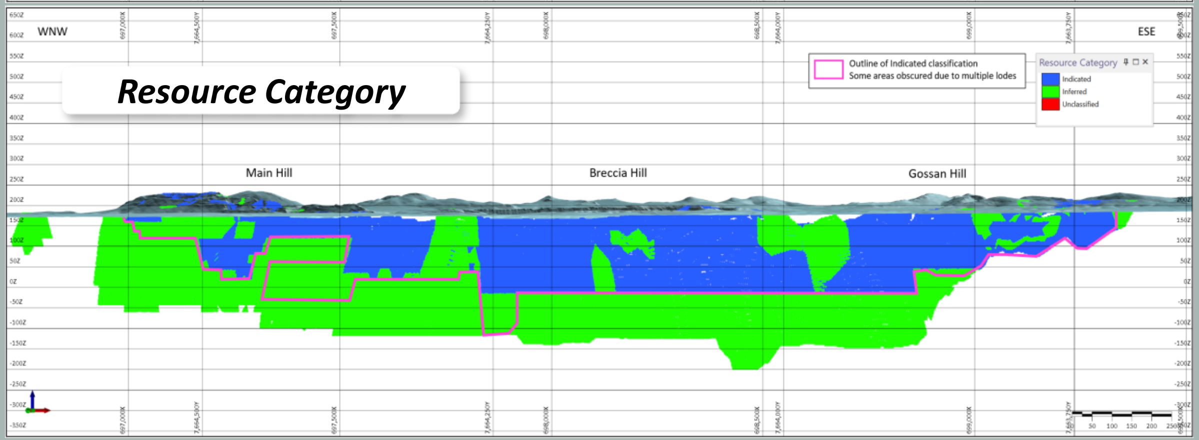





[1]Refer to KAI press release dated 15 May 2023 entitled 'Gold resource increases to 1.6Moz and remains open'
[2]Based on a KAI Share Price of A$0.021, cash balance as at end of Mar' 2023 of A$1.34m and resources of 1,618,000 ounces




# 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 (kozs) | Tonnes (Mt) | Au (g/t) | Ounces (kozs) | Tonnes (Mt) | Au (g/t) | Ounces (kozs) |
| 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 |
| **Total Mt York** | | **23.7** | **1.10** | **835** | **25.54** | **0.95** | **784** | **49.24** | **1.02** | **1,618** |

**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

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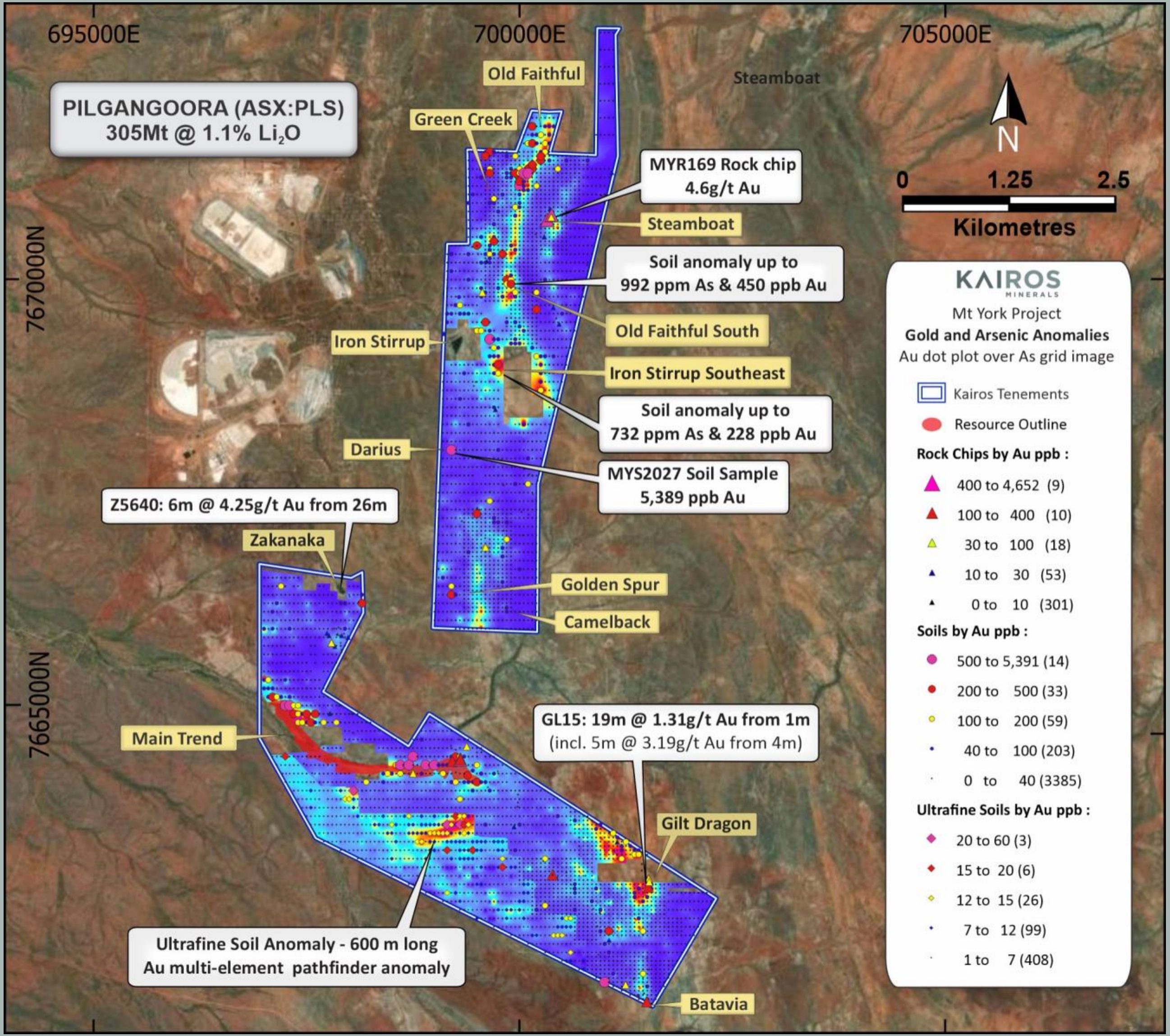
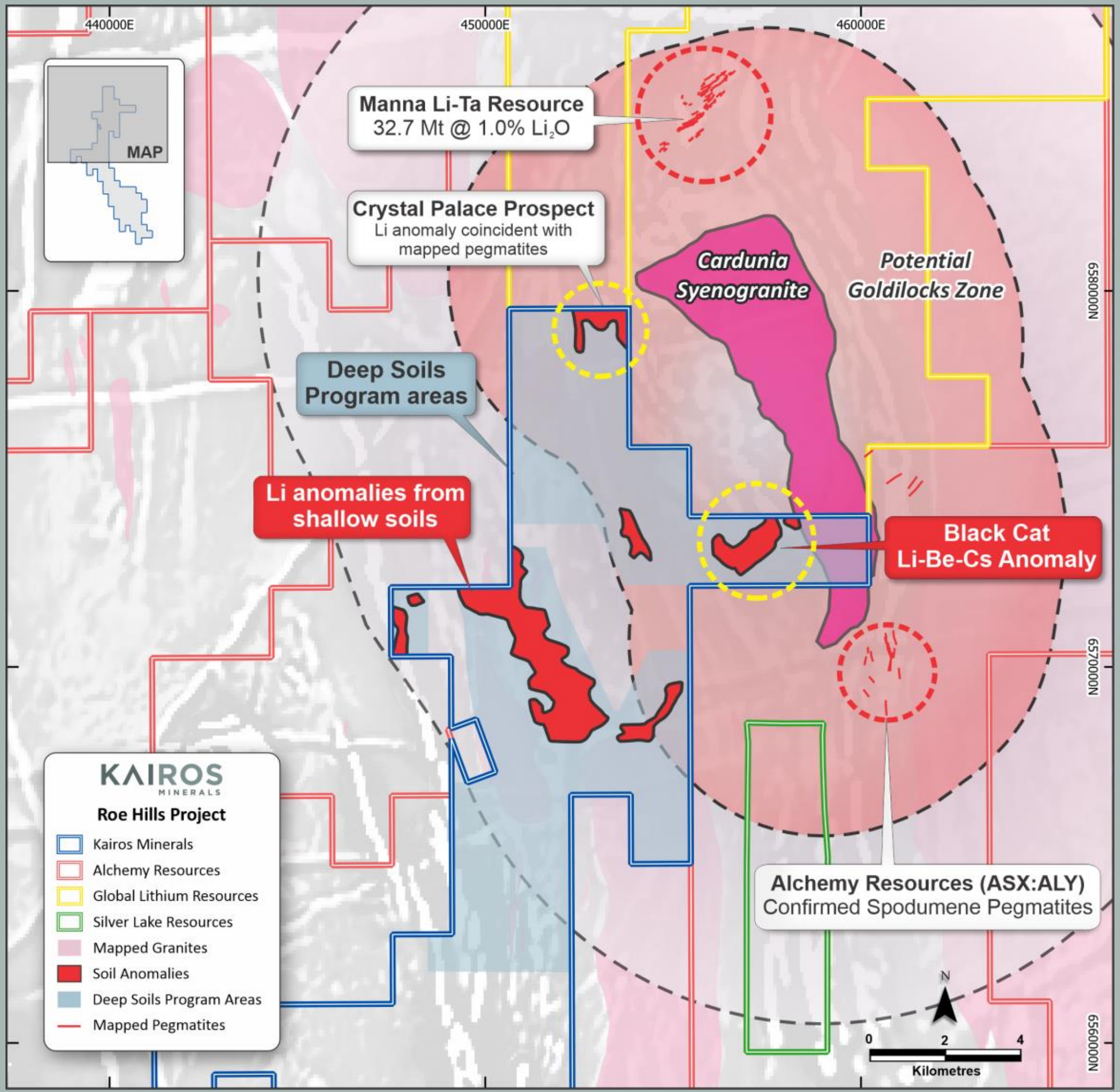
- 2023 targets include
  - Main Hill (under-drilled, 100m+ wide)
  - Gilt Dragon (19m @ 1.31 g/t Au fr 1m)
  - South of Main Trend anomaly
  - Southern extension of Old Faithful (4km)
- Off-lease targets




79 Au GOLD 196.966

# Roe Hills: Under Explored New Li Province

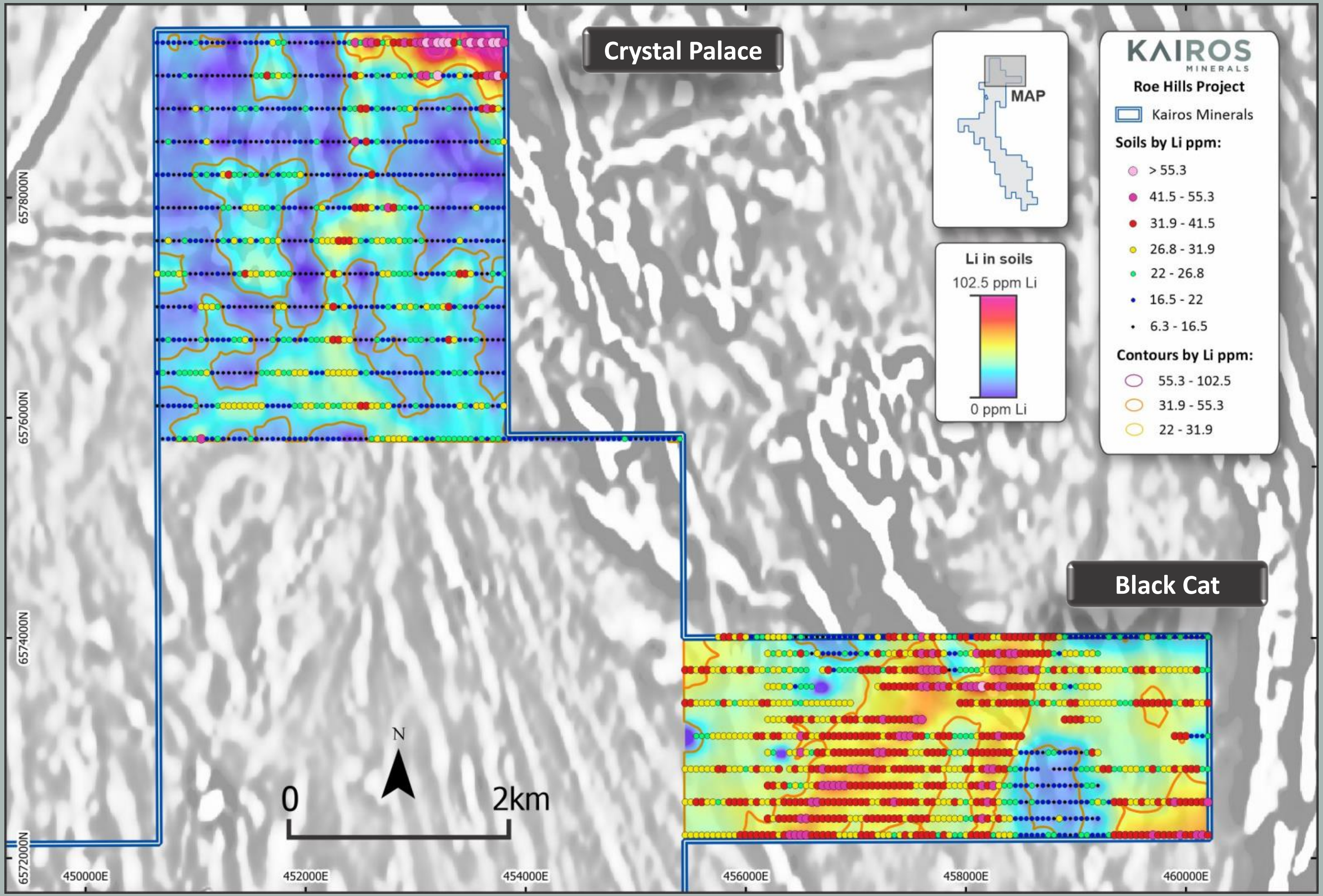



- **Black Cat & Crystal Palace Prospects**
  - Big lithium address, 100km east of Kalgoorlie
  - Manna Li Resource – 32.7 Mt @ 1.0% $Li_2O$ (ASX:GL1)
  - Spodumene reported to SE of Cardunia Syenogranite (ASX:ALY)
  - Kairos targeting spodumene pegmatites on western flank
  - Large Li anomalies, coincident 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

3 Li LITHIUM 6.941

# Lithium focus near Manna Li Deposit

- **Black Cat**
  - Multiple soil sampling results[1,2] 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




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

# Pilbara Lithium: Pilgangoora Extension Project

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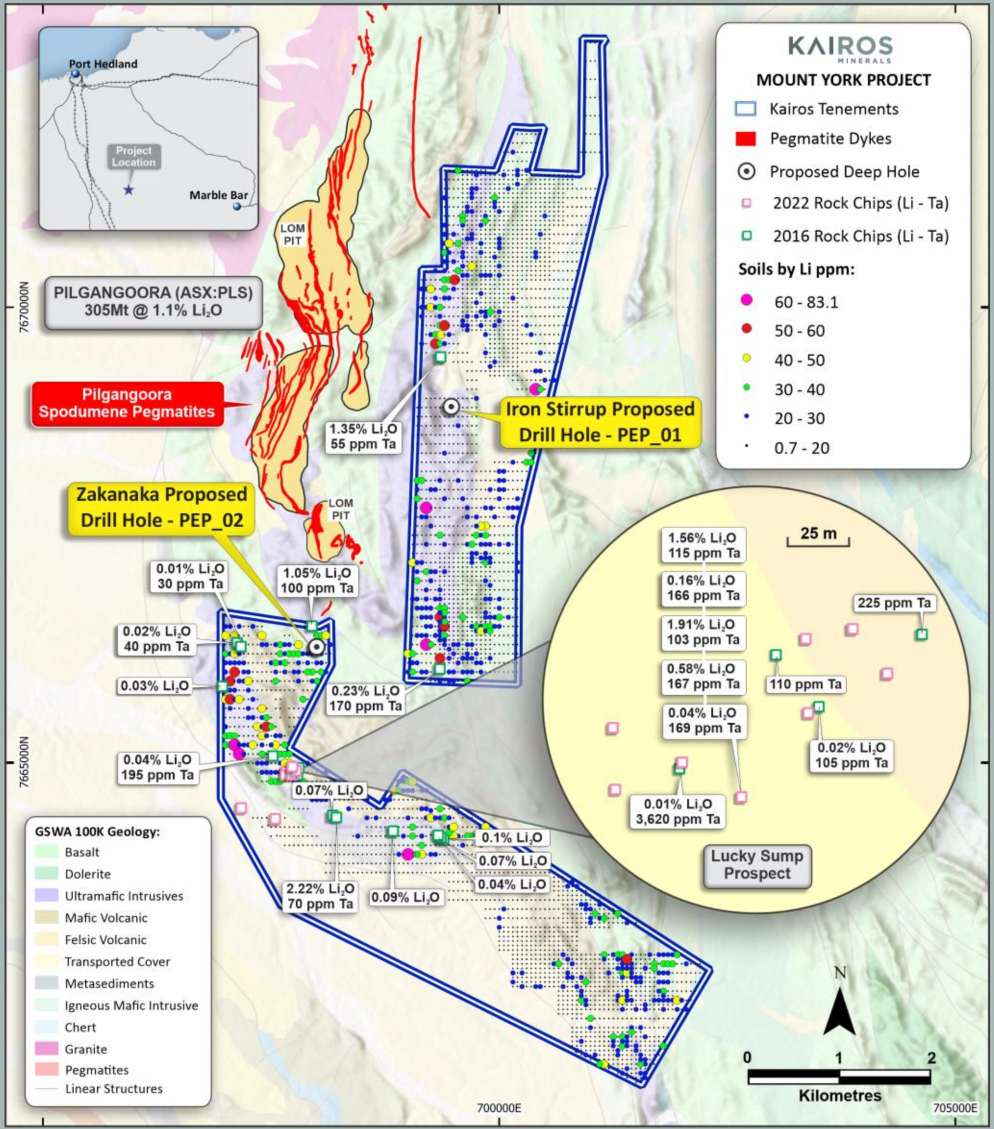
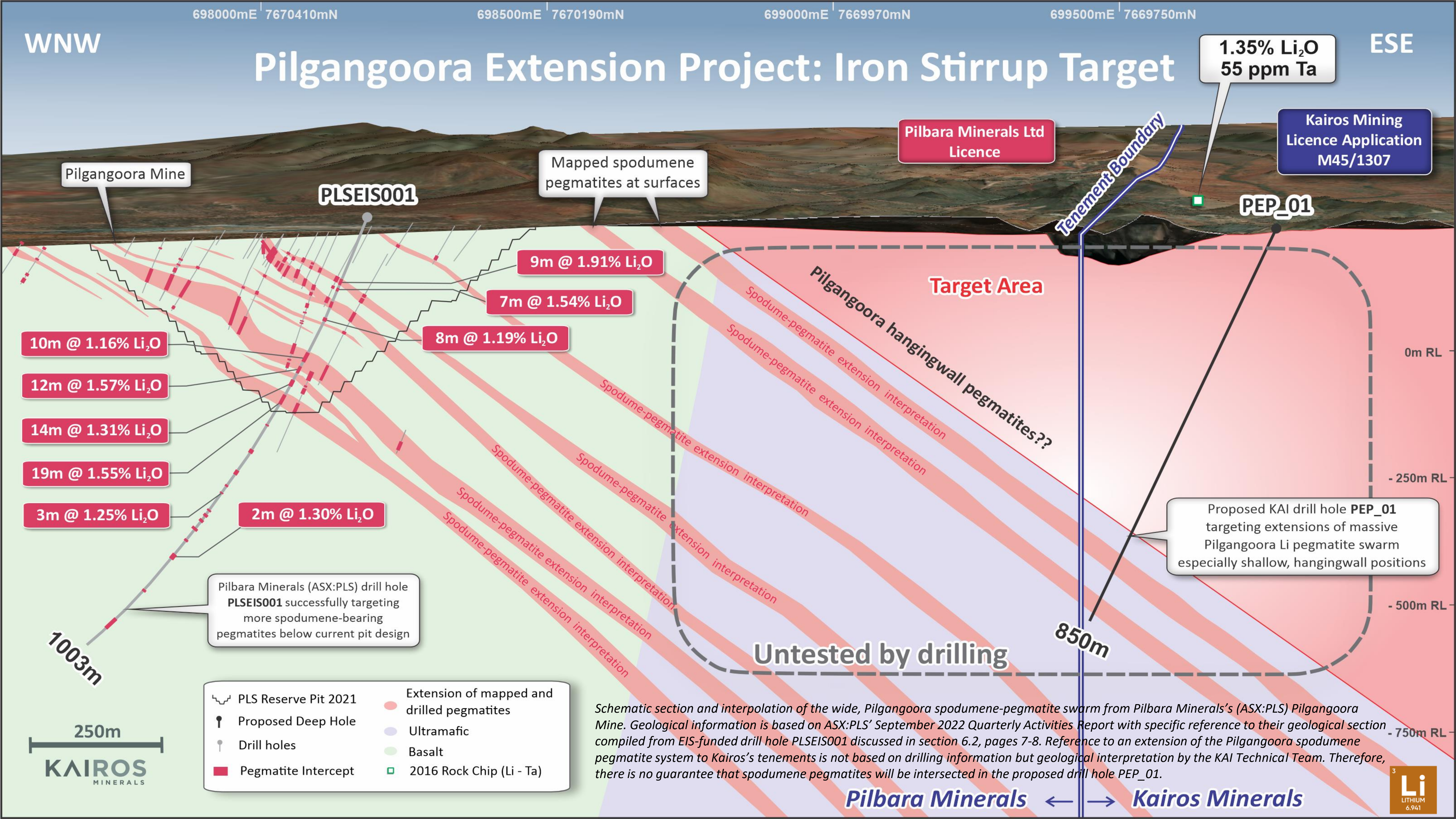
- **Testing the world-class Pilgangoora Li pegmatite swarm**
  - Mt York neighbours Pilbara Minerals Ltd (ASX:PLS) Pilgangoora Mine (305 Mt @ 1.1% $Li_2O$) (red on map)
  - Huge spodumene pegmatite system dips 40º towards east
  - KAI rock chip sampling confirms spodumene pegmatites[1]
  - Large pegmatite 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; [1]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'.*



698000mE 7670410mN
698500mE 7670190mN
699000mE 7669970mN
699500mE 7669750mN
WNW
ESE
Pilgangoora Extension Project: Iron Stirrup Target
1.35% $Li_2O$
55 ppm Ta
Kairos Mining Licence Application M45/1307
Pilbara Minerals Ltd Licence
Tenement Boundary
Mapped spodumene pegmatites at surfaces
Pilgangoora Mine
PLSEIS001
PEP_01
9m @ 1.91% $Li_2O$
7m @ 1.54% $Li_2O$
8m @ 1.19% $Li_2O$
10m @ 1.16% $Li_2O$
12m @ 1.57% $Li_2O$
14m @ 1.31% $Li_2O$
19m @ 1.55% $Li_2O$
3m @ 1.25% $Li_2O$
2m @ 1.30% $Li_2O$
Target Area
Pilgangoora hangingwall pegmatites??
Spodume-pegmatite extension interpretation
0m RL
- 250m RL
- 500m RL
- 750m RL
Proposed KAI drill hole PEP_01 targeting extensions of massive Pilgangoora Li pegmatite swarm especially shallow, hangingwall positions
Pilbara Minerals (ASX:PLS) drill hole PLSEIS001 successfully targeting more spodumene-bearing pegmatites below current pit design
1003m
850m
Untested by drilling
PLS Reserve Pit 2021
Proposed Deep Hole
Drill holes
Pegmatite Intercept
Extension of mapped and drilled pegmatites
Ultramafic
Basalt
2016 Rock Chip (Li - Ta)
250m
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Schematic section and interpolation of the wide, Pilgangoora spodumene-pegmatite swarm from Pilbara Minerals's (ASX:PLS) Pilgangoora Mine. Geological information is based on ASX:PLS' September 2022 Quarterly Activities Report with specific reference to their geological section compiled from EIS-funded drill hole PLSEIS001 discussed in section 6.2, pages 7-8. Reference to an extension of the Pilgangoora spodumene pegmatite system to Kairos's tenements is not based on drilling information but geological interpretation by the KAI Technical Team. Therefore, there is no guarantee that spodumene pegmatites will be intersected in the proposed drill hole PEP_01.
Pilbara Minerals ← → Kairos Minerals
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# Rare Earth Elements: a welcome surprise

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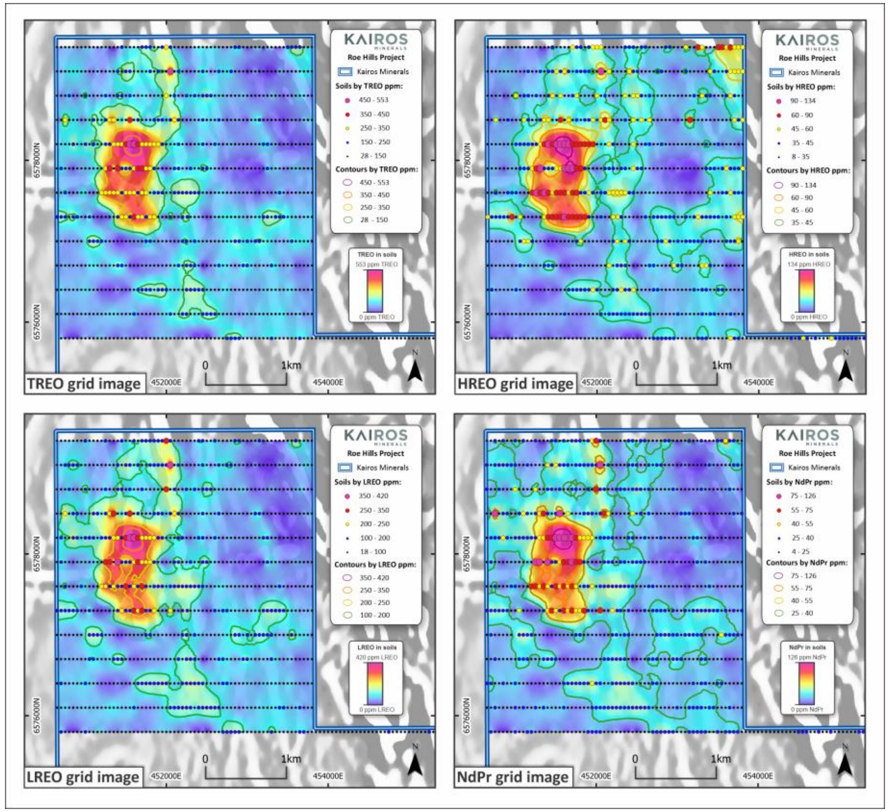
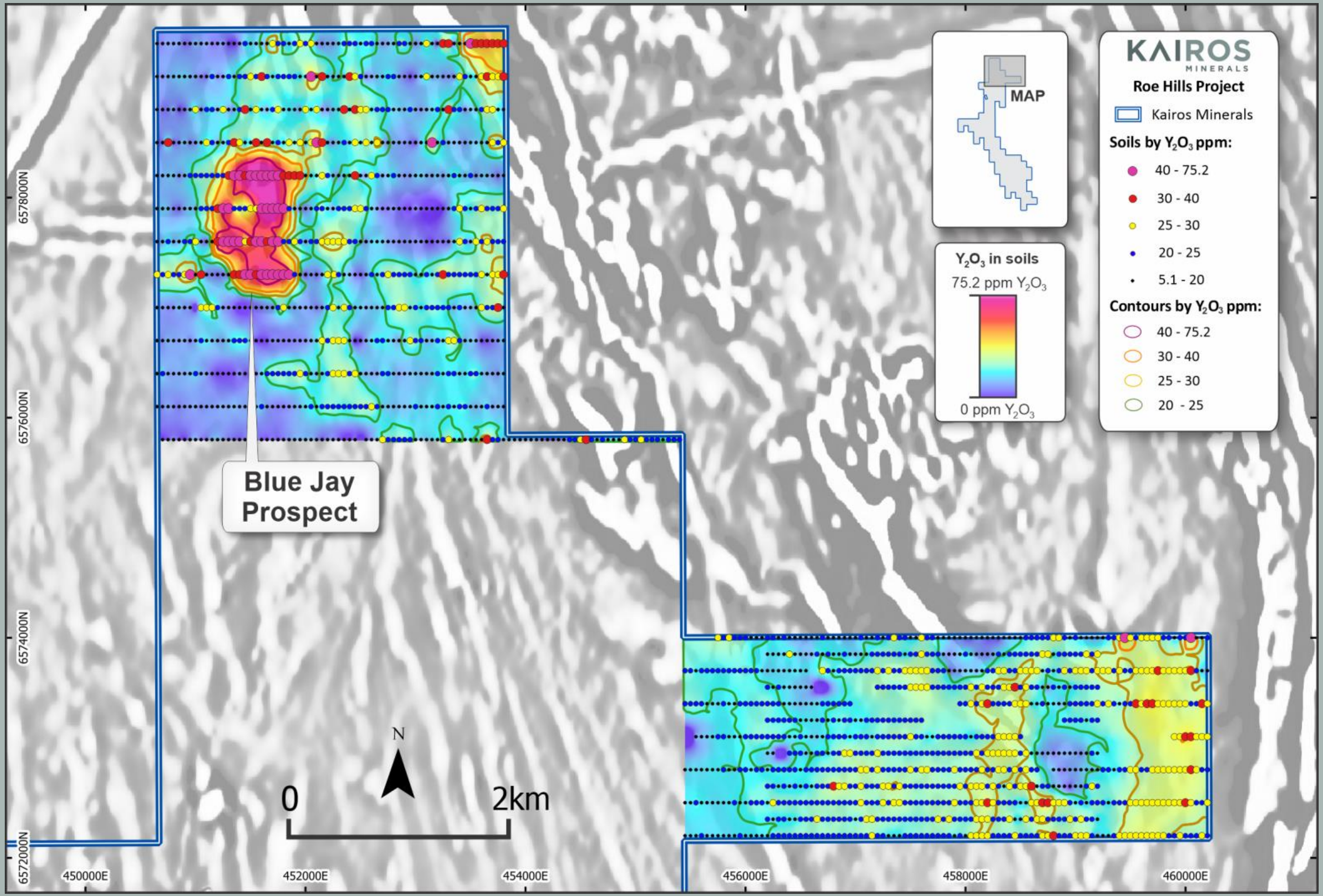
- **Blue Jay**
  - 1000 x 600m LREE, HREE anomaly[1]
  - Right geology
  - Early stage, encouraging
  - 500m RC drilling scheduled




[1]*Refer to KAI press release dated 13 April 2023 entitled '1km-long rare earths anomaly highlights potential for significant discovery'*

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