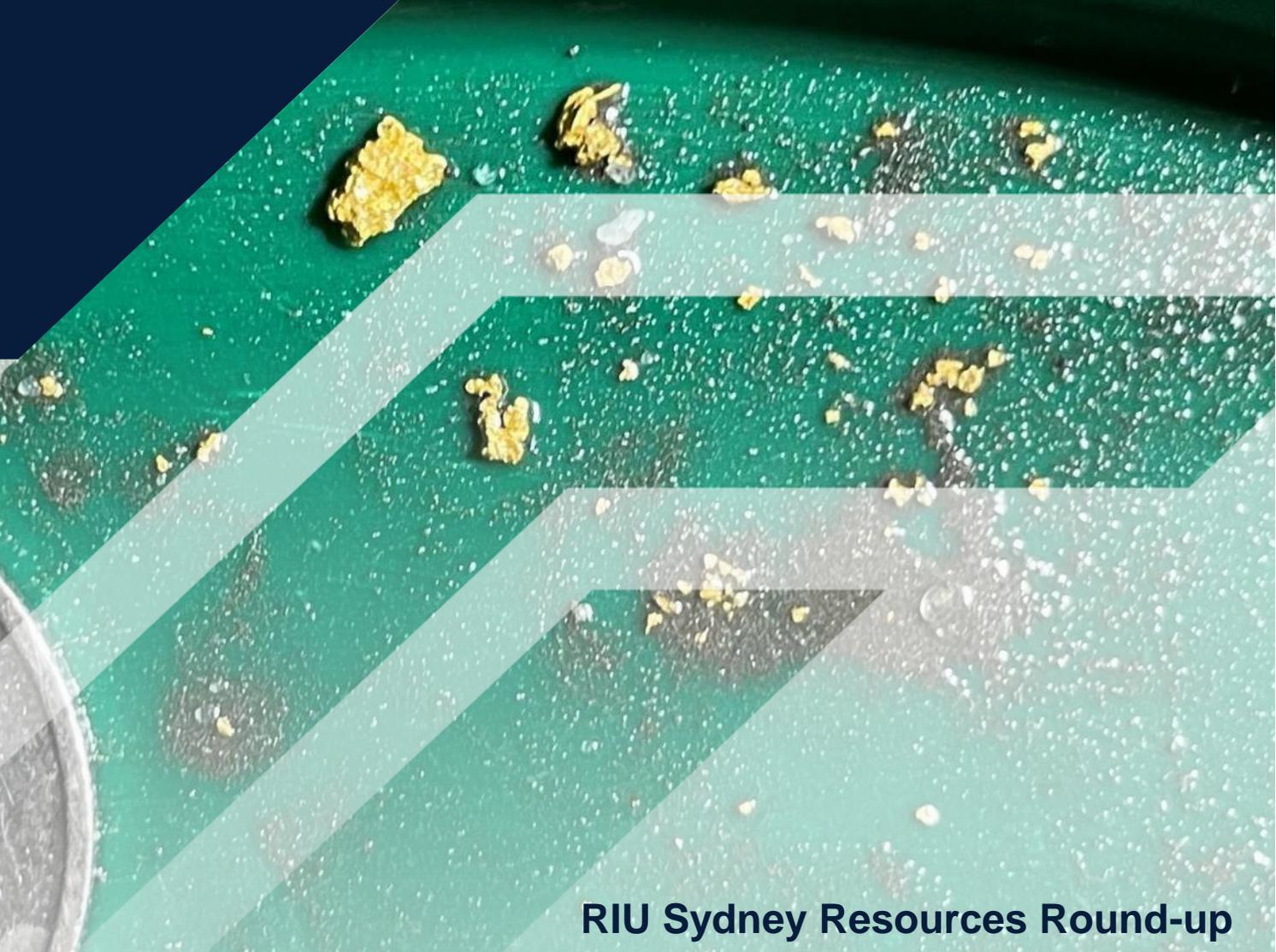




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Gold panned from PHAC1030 – 51-52m



**RIU Sydney Resources Round-up**

# Pursuing major gold discoveries in Victoria



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- The information contained within this Presentation is extracted from the following reports titled:
  - Falcon Metals Limited Initial Public Offering (IPO) Prospectus dated 3 November 2021
  - "Falcon Intersects High Grade Gold at Ironbark East (Amended)" released to the ASX on 15 July 2022
  - "High-grade Gold Confirmed in Assays at Viking" released to the ASX on 21 November 2022
  - "Pyramid Hill and Viking - Exploration Update" released to the ASX on 1 February 2023
  - "Multiple High-Grade Gold Intercepts At Ironbark East" released to the ASX 14 February 2023
  - "Gold Anomalies Identified Over Multiple Kilometres" released to the ASX 26 April 2023

which are available to view on [www.falconmetals.com.au](http://www.falconmetals.com.au) The Company confirms that it is not aware of any new information or data that materially affects the information included in the original document/announcement and the Company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement.

# Falcon Project Portfolio

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## Pyramid Hill Gold Project, VIC

- The largest land position in the prospective Bendigo Zone
- Major AC drilling program underway, >60,000m completed
- High-grade trend at Ironbark East, plus several new >1km long trends identified

## Viking Gold Project, WA

- Earn-in to 70% plus 100% owned tenure, 30km ESE of Norseman
- Viking shear to the northeast of Beaker 2 Gold Prospect key focus for next phase of exploration

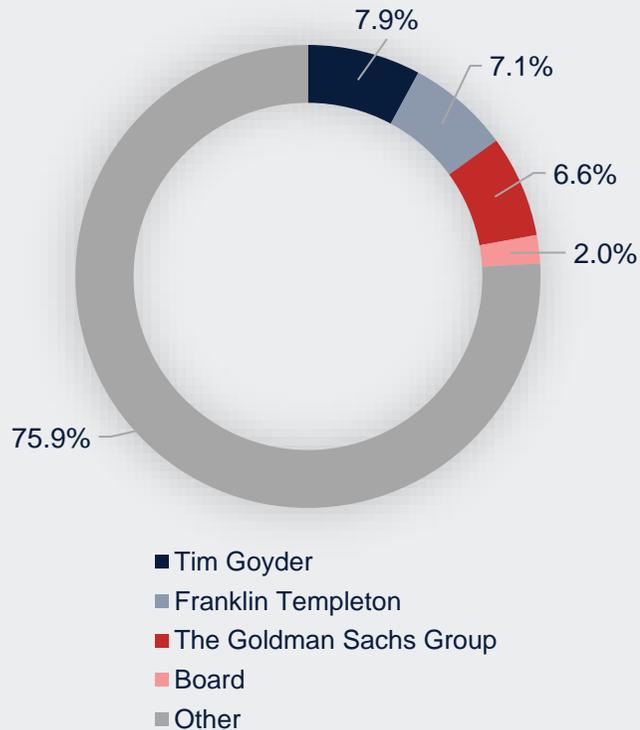
## Mt Jackson Gold Project, WA

- 100% owned, underexplored part of the Southern Cross belt
- Gold-in-soil anomaly defined in first phase of soil sampling
- Additional soil sampling planned with AC drilling to follow

# Corporate Overview

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## Top Shareholders



## Capital Structure and Financials

**A\$0.35**

Share Price  
(2 May 2023)

**177M**

Shares  
on Issue

**12.3M**

Options

**A\$20.6M**

Cash  
(31 Mar 2023)

**Nil**

Debt

**A\$62M**

Market Cap  
(@ \$0.35)

# Directors & Management



**DR MARK BENNETT**

**Non-Executive Chairman**

30+ years' experience in gold and base metal exploration

Founding Managing Director of Sirius Resources, discovered Nova-Bollinger

Currently the Executive Chairman of S2 Resources



**TIM MARKWELL**

**Managing Director**

25+ years' experience in gold and base metal exploration with expertise in geology, fund management, and mining

Held the role of Investment Manager of the African Lion funds at Lion Selection Group for 14 years



**ALEX DORSCH**

**Non-Executive Director**

Managing Director of Chalice since late 2018, led the company through the Julimar discovery in 2020

Diverse experience in the resources sector in a variety of management, advisory, and consultancy roles



**PRADEEP SUBRAMANIAM**

**Chief Financial Officer**

Chartered accountant with broad financial and commercial experience

15+ years' experience, including with PricewaterhouseCoopers working with Australian and international companies



**DOUG WINZAR**

**Exploration Manager**

25+ years' experience in gold, base metal and diamond exploration

Held the role of Exploration Project Manager for IGO in the Kimberley Region and NT

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# Project

## Pyramid Hill

Gold Project, VIC

High-grade trend >500m at Ironbark East

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The project areas occur on the Dja Dja Wurrung, Taungurung and Yorta Yorta land.

Falcon acknowledge their ongoing connection to the land and pay our respect to them, their culture and their elders, past, present and emerging.

# The Opportunity

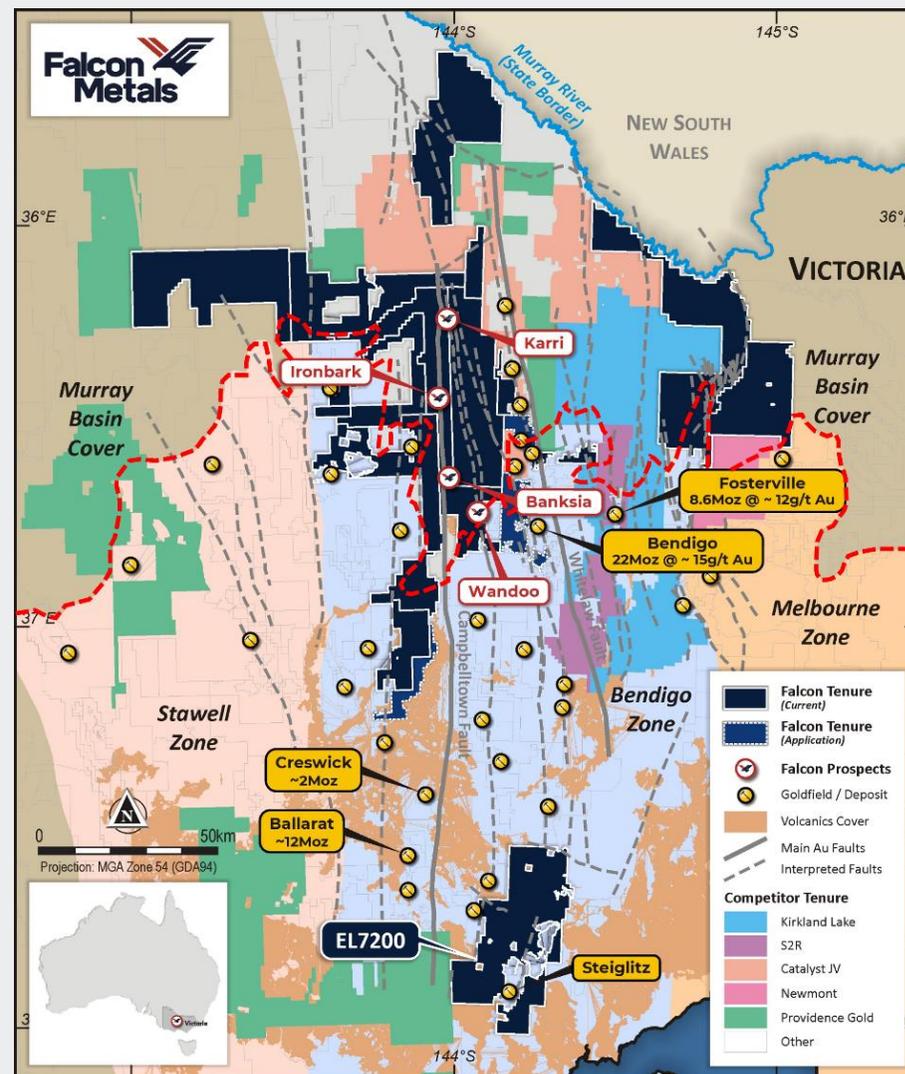
## Underexplored world class, high-grade gold province beneath cover

- **60Moz** gold produced since 1850's from outcropping South Bendigo Zone, at an average grade of **~15g/t Au<sup>1</sup>**
- 90% of mines had a recovered grade of **>8.5g/t Au<sup>1</sup>**
- **32Moz Au** (P50 mid case) of undiscovered gold in the Northern Bendigo Zone (Vic Govt 'Gold Undercover'<sup>1</sup> estimate)
- Falcon's project covers **hundreds of kilometres of strike** over the highly prospective Bendigo Zone and Castlemaine Group geology, which is the known host to all major gold deposits in the district e.g. **Fosterville, Bendigo, Ballarat**

<sup>1</sup> Gold Undercover Report 2 – Assessment of undiscovered mesozonal orogenic gold endowment under cover in the northern part of the Bendigo Zone – Appendix 4, Table A41

<sup>2</sup> All gold numbers represent historic production and can be sourced here:

- 2003, Bierlein et al., A comparison of orogenic gold mineralisation in central Victoria (AUS), western South Island (NZ) and Nova Scotia (CAN): implications for variations in the endowment of Palaeozoic metamorphic terrains
- Agnico Eagle website – Resource and Reserve Statement and Fosterville Gold Mine, Victoria, Australia Updated NI 43-101 Technical Report – Apr 1, 2019

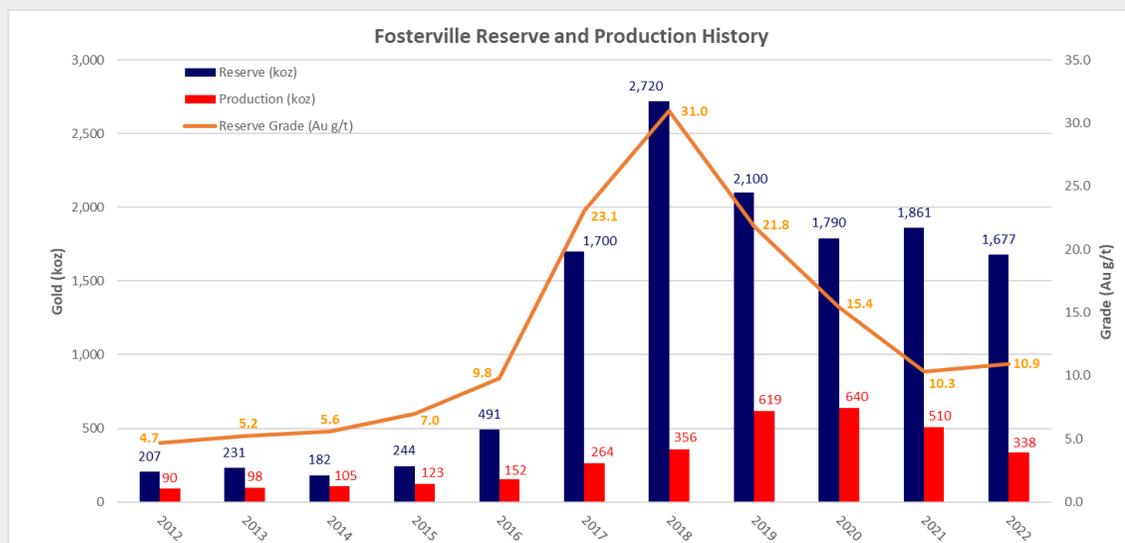
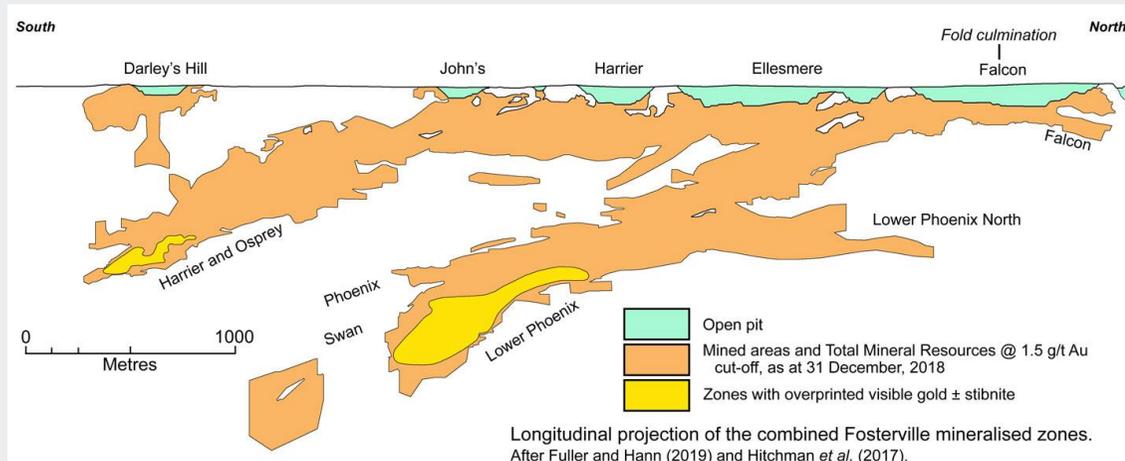


# The Opportunity

## Fosterville – ultra high-grade

- Grade gradually increased with depth from 2012-2016
- Discovery of Swan Zone in 2017 led to massive grade increase with highlights including 8.8m @ 991g/t incl. 0.95m @ 9,115g/t<sup>1</sup>
- Reserve increased to 2.7Moz @ 31g/t<sup>2</sup> in 2018 with free milling ore and abundant visible gold
- For several years Fosterville was the highest grade and most profitable mine in the world with cash costs <\$200/oz
- Led to land rush in Victoria and significant increase in gold exploration
- Reminder of the potential of Victoria to host high-grade gold deposits

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Source: SEDAR MD&A Annual Reports for Crocodile Gold, Newmarket Gold, Kirkland Gold and Agnico Eagle 2012-2022

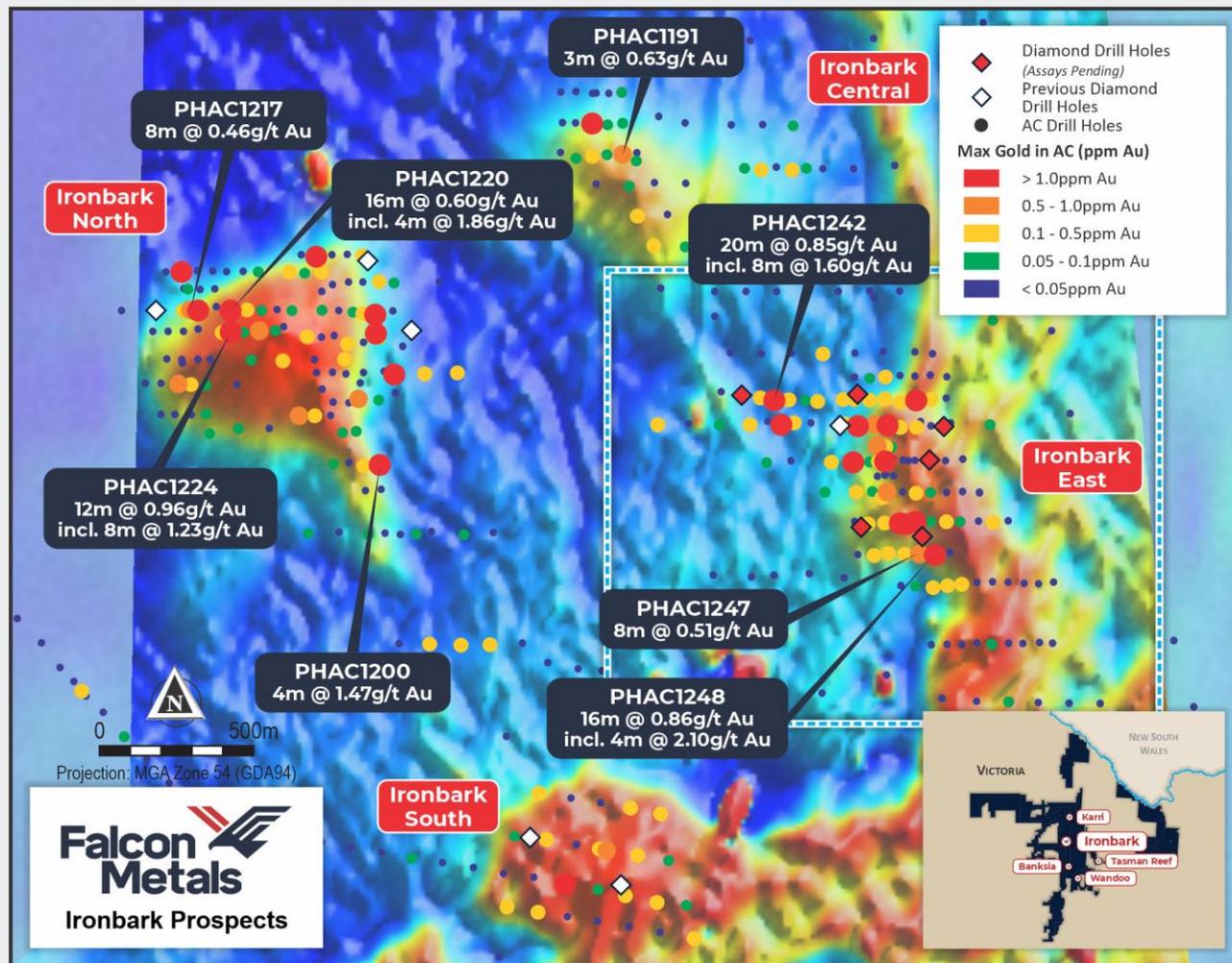
<sup>1</sup> Kirkland Lake TSX announcement 7 November 2017 "Kirkland Lake Gold announces 120 metre down-plunge extension of Swan Zone"

<sup>2</sup> Kirkland Lake NI43-101 issued 1 April 2019 "Fosterville Gold Mine"

# Ironbark Prospect

## Ironbark – Multiple Diorites

- Initial focus was prominent magnetic highs with overlying gold in soil anomalies
- Aircore drilling intersected primary gold mineralisation in diorites
- Several analogous high-grade diorite-associated gold deposits in Eastern Victoria (Walhalla-Woods Point Goldfields) including Cohen's Reef (~1.5Moz @ 32g/t Au)<sup>1</sup>
- New exploration target as Bendigo Zone previously not known for diorite associated mineralisation
- Five diorites now identified with primary mineralisation that extends into the Castlemaine Group stratigraphy

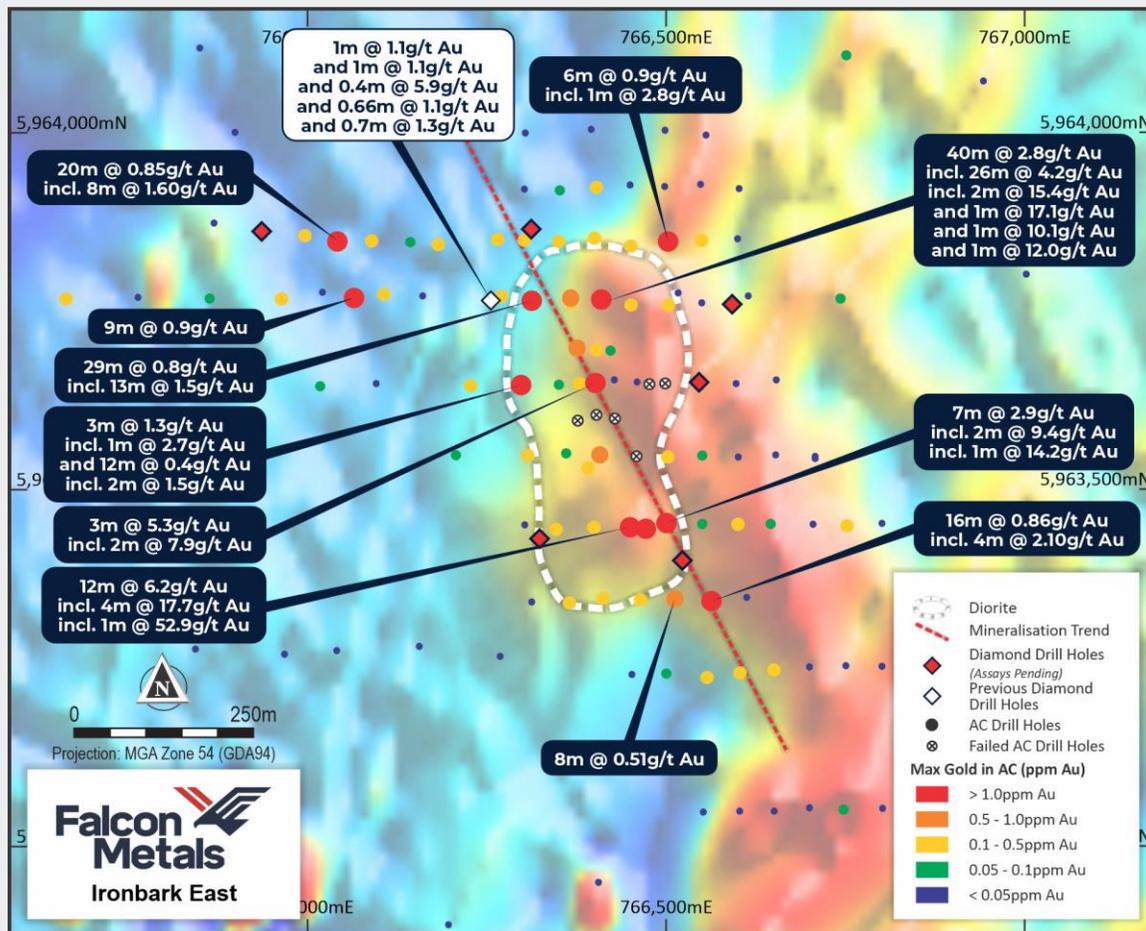


<sup>1</sup> 2006, Vandenberg et al., Walhalla-Woods Point-Tallangalook, Special map area geological report, GeoScience Victoria, Ch 8 - Economic Geology, page 231

# Ironbark Prospect

## Ironbark East High-grade Trend

- Ironbark East drilling announced 14 February 2023:
  - 12m @ 6.18g/t Au from 74m; including
    - 4m @ 17.7g/t Au from 77m; that includes
      - 1m @ 52.9g/t Au from 77m
  - 7m @ 2.93g/t Au from 60m; including
    - 2m @ 9.39g/t Au from 61m; that includes
      - 1m @ 14.2g/t Au from 61m
  - 3m @ 5.34g/t Au from 69m; including
    - 2m @ 7.90g/t Au from 69m
- High-grade trend >500m in strike length
- **Diamond drill results awaited:**
  - 5 diamond holes at Ironbark East
  - 1 diamond hole under new diorite discovered 200m to the west



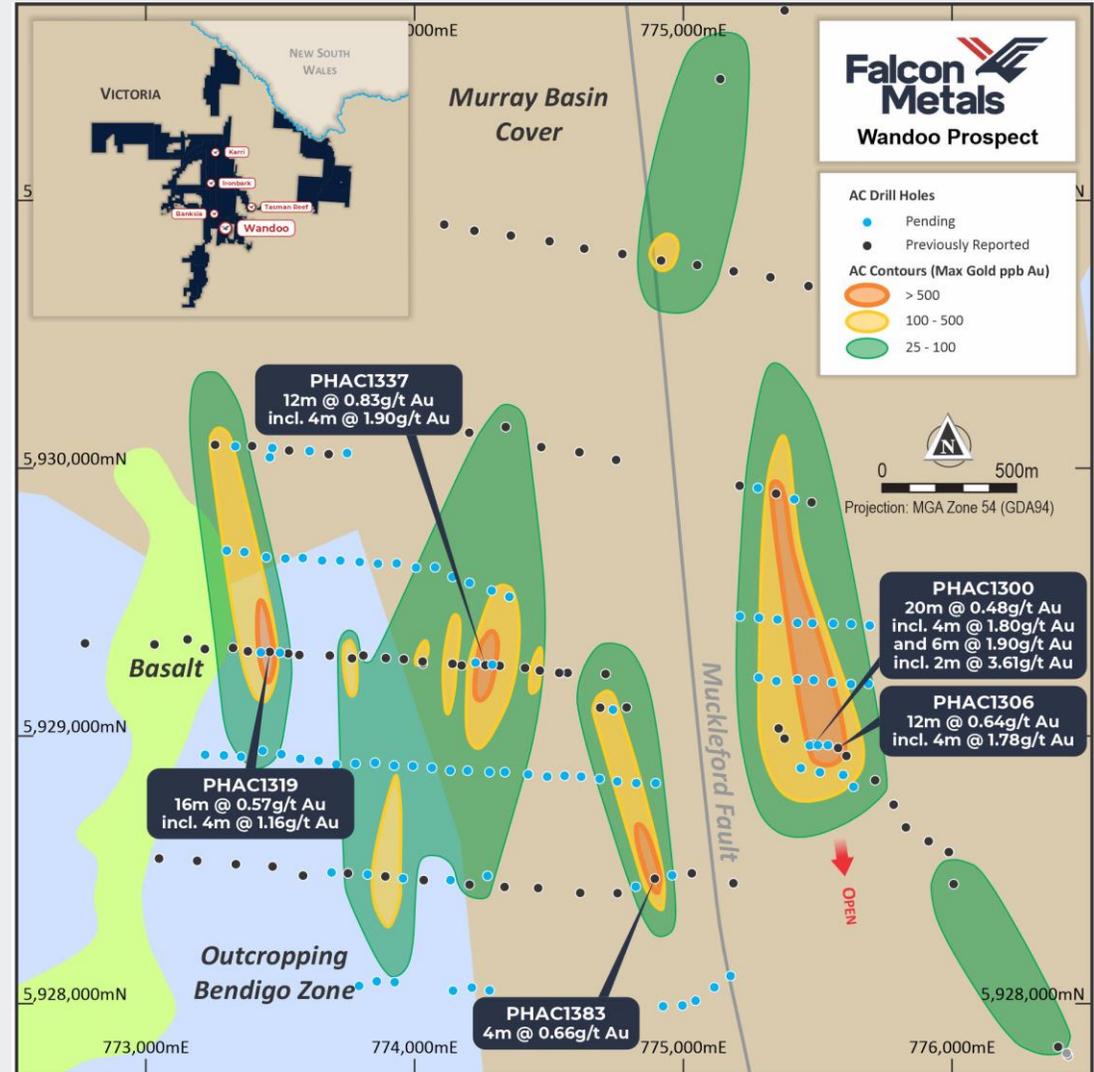
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# Wandoo

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## >1km long trend

- Located 20km west of 22Moz Bendigo goldfield
- Highest priority target from benchmarking of first pass regional drilling against other prospects at the same stage
- Infill aircore drilling in April 2023 (140m x 800m spacing) defined >1km trend with best result:
  - **6m @ 1.90g/t Au from 102m; including**
    - **2m @ 3.61g/t Au from 106m ending in mineralisation**
- Significant step up in grade and widths of intersections despite wide drill spacing
- **Further infill aircore drilling completed, results expected June 2023**

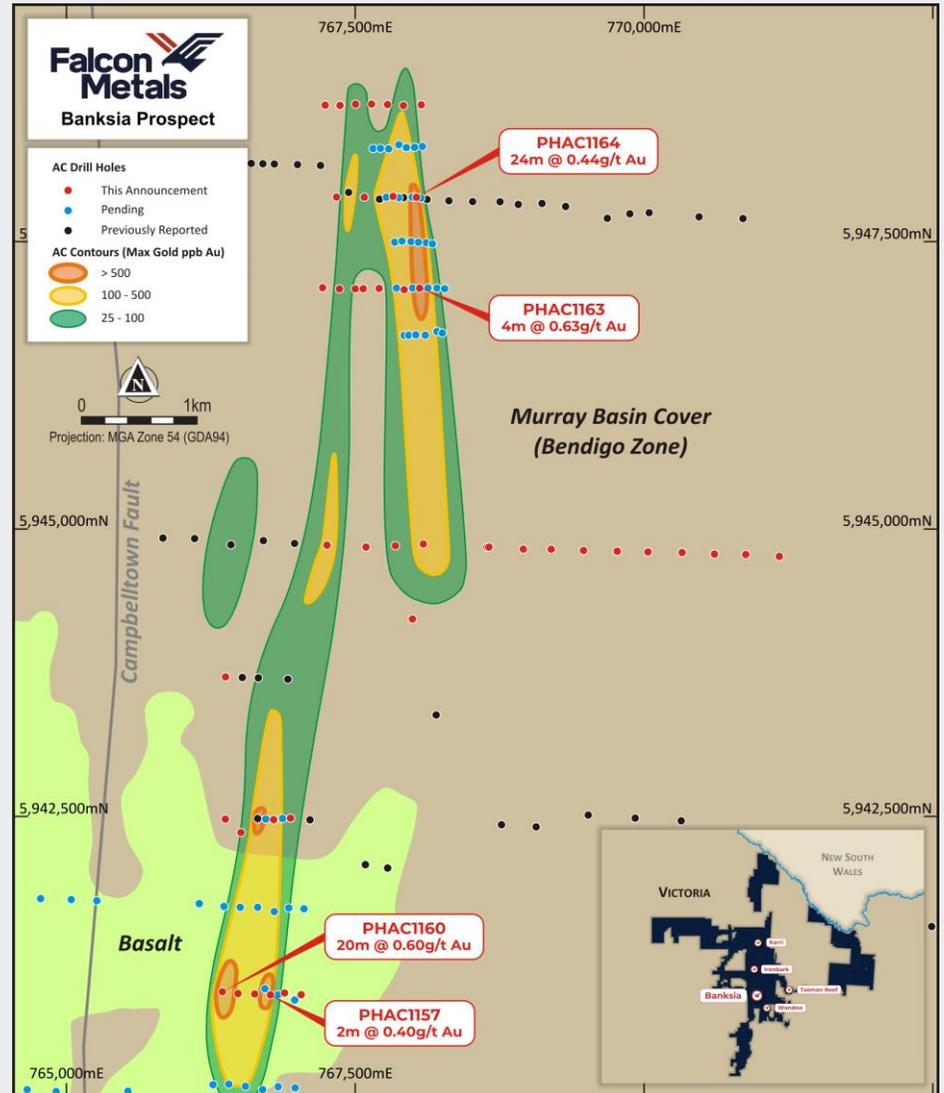


# Banksia

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## Trends up to >3.5km long identified

- Two anomalous trends of 3.5km and 1.5km long identified - both open along strike
- Several wide zones of primary mineralisation intersected including:
  - **24m @ 0.44g/t Au from 62m**
- Potential for some contamination from gold-bearing gravels in southern zone but anomalous arsenic indicates primary mineralisation present
- **Further infill aircore drilling completed, results expected June 2023**



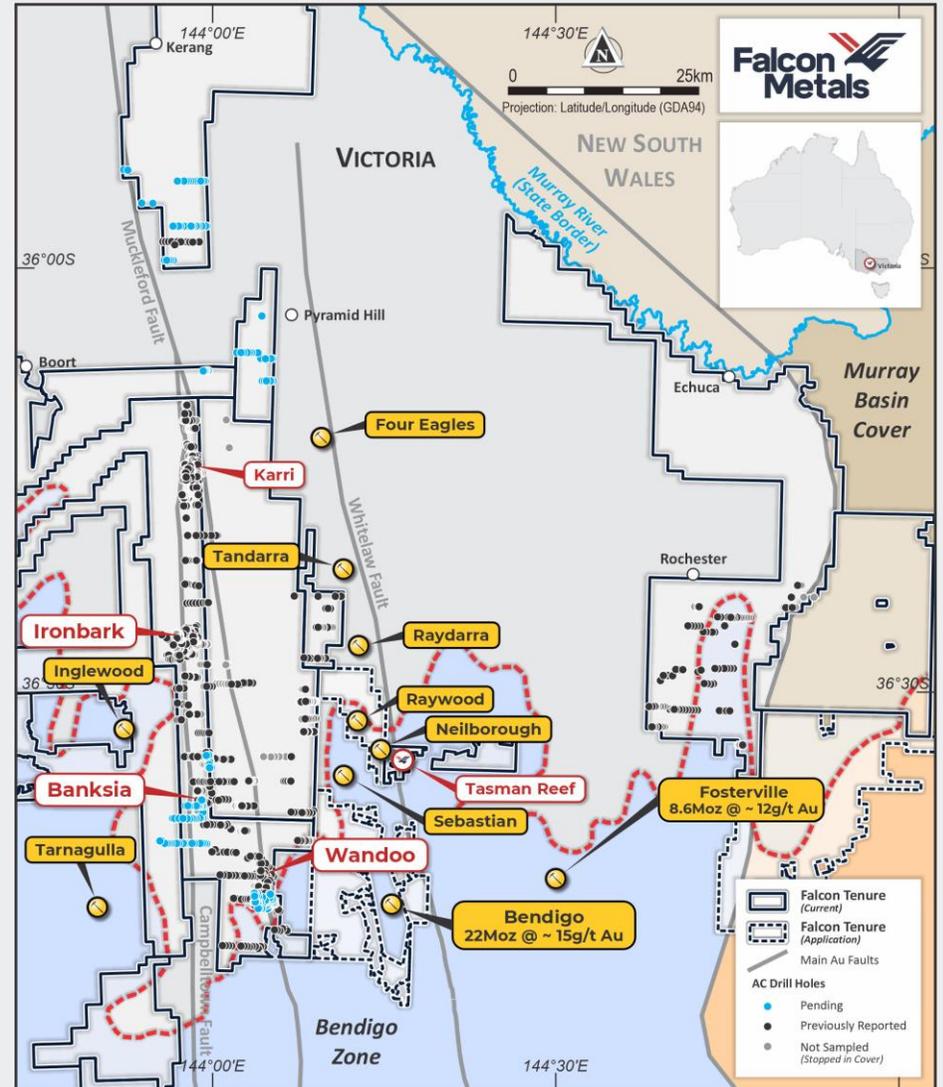
# Next Steps – Targeted Drilling & Pipeline Generation

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## Exploration focused on finding major deposits

- **Drilling ongoing and results awaited:**
  - Ironbark
  - Wandoo
  - Banksia
- **Regional Exploration** - Two-pronged regional exploration plan developed for areas within the Bendigo Zone:
  - **Castlemaine Group Stratigraphy**
    - Soil Sampling - outcropping to ~20m cover
    - Reconnaissance AC drilling- ~20-120m cover
  - **Diorite-hosted**
    - Diorite intrusions will be identified using aeromagnetic surveying and subsequently screened with AC drilling

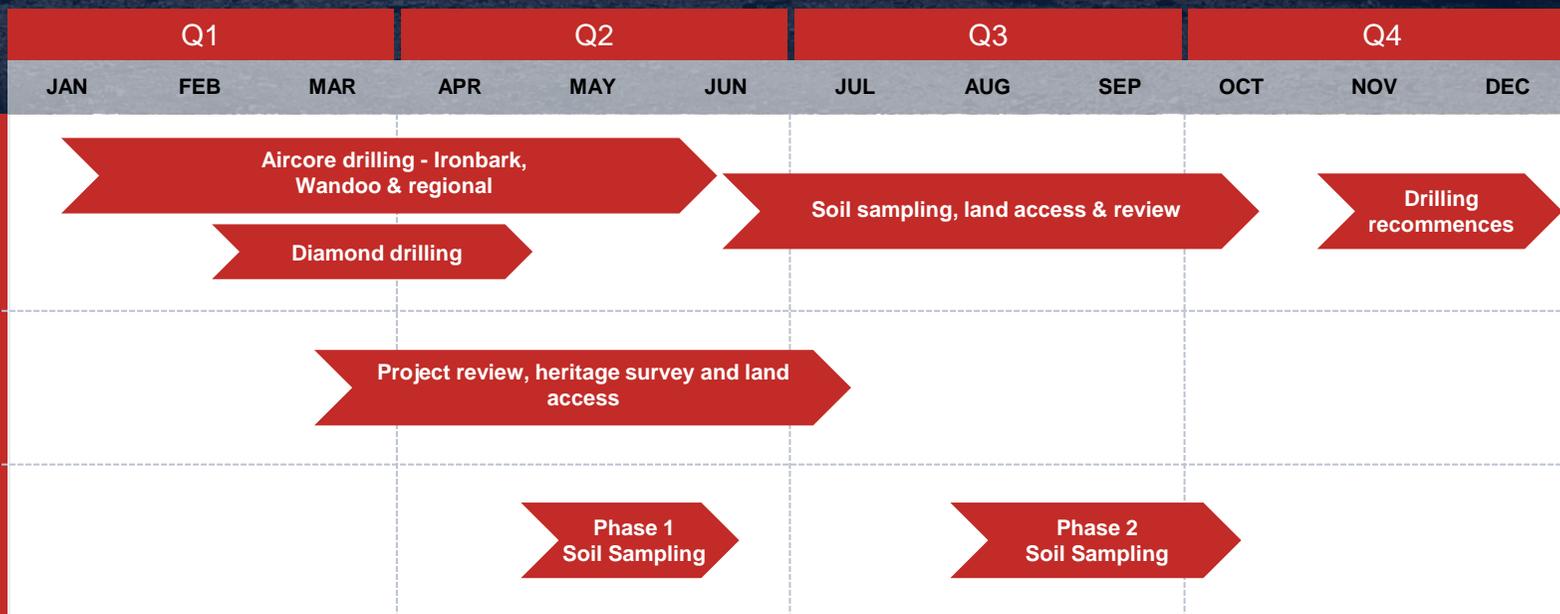
**Active program underway to screen substantial tenement position**



# 2023 Project Timeline

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## Exploration Timeline



- Major aircore drilling program underway at Pyramid Hill to June 2023 with ongoing announcements of results, including diamond drilling at Ironbark
- Active work program in WA planned from May 2023 (details to be confirmed)
- Fully funded work program with the flexibility to further ramp up activity on positive results

## Investment Highlights

- Highly decorated team with a history of 'company making' discoveries (Julimar, Nova-Bollinger, Thunderbox, Waterloo)
- >5,000km<sup>2</sup> holding in one of the world's most exciting high-grade gold regions
- Major drilling program underway at Pyramid Hill – high-grade results at Ironbark and extensive new mineralisation trends already announced
- Active work program planned for WA
- Strong balance sheet – a unique platform to make a significant gold discovery





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**ASX : FAL**



# Appendix A

## WA Projects

Active work program for 2023



The project areas occur on the Ngadju and Marlinyu Ghoorlie land.

Falcon acknowledge their ongoing connection to the land and pay our respect to them, their culture and their elders, past, present and emerging.

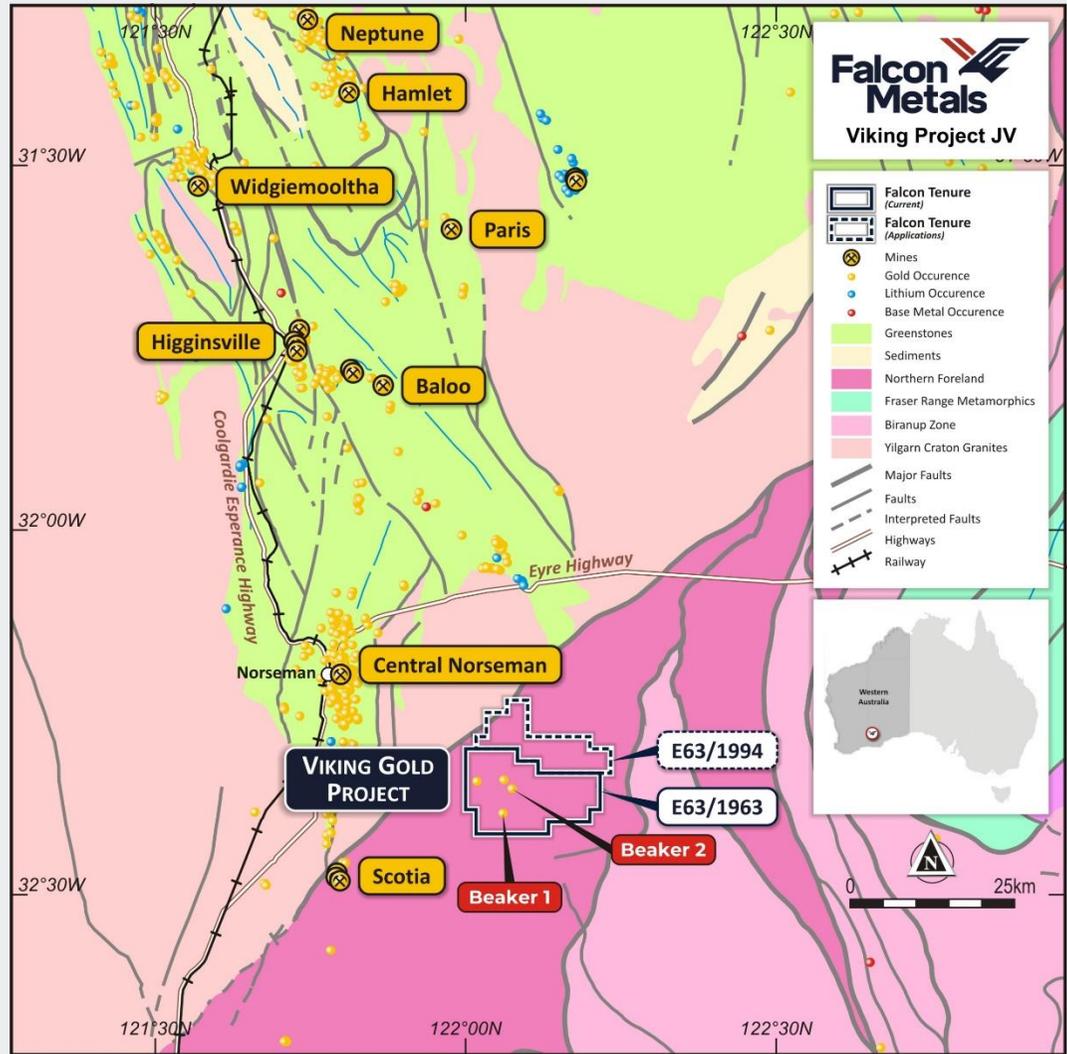
# Viking Project

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## Advanced gold project near Norseman

- Located 30km ESE of Norseman within the high-grade metamorphic Albany-Fraser province
- AngloGold discovery in 2011 – numerous shallow high-grade intercepts in oxide zone with limited follow-up<sup>1</sup>
- Falcon recently earned a 51% interest in E63/1963 (held by Metal Hawk Limited) and can earn a further 19% to 70% by spending a further \$1.75m
- E63/1994 100% Falcon (application)

<sup>1</sup> Refer Falcon Prospectus dated 3 November 2021

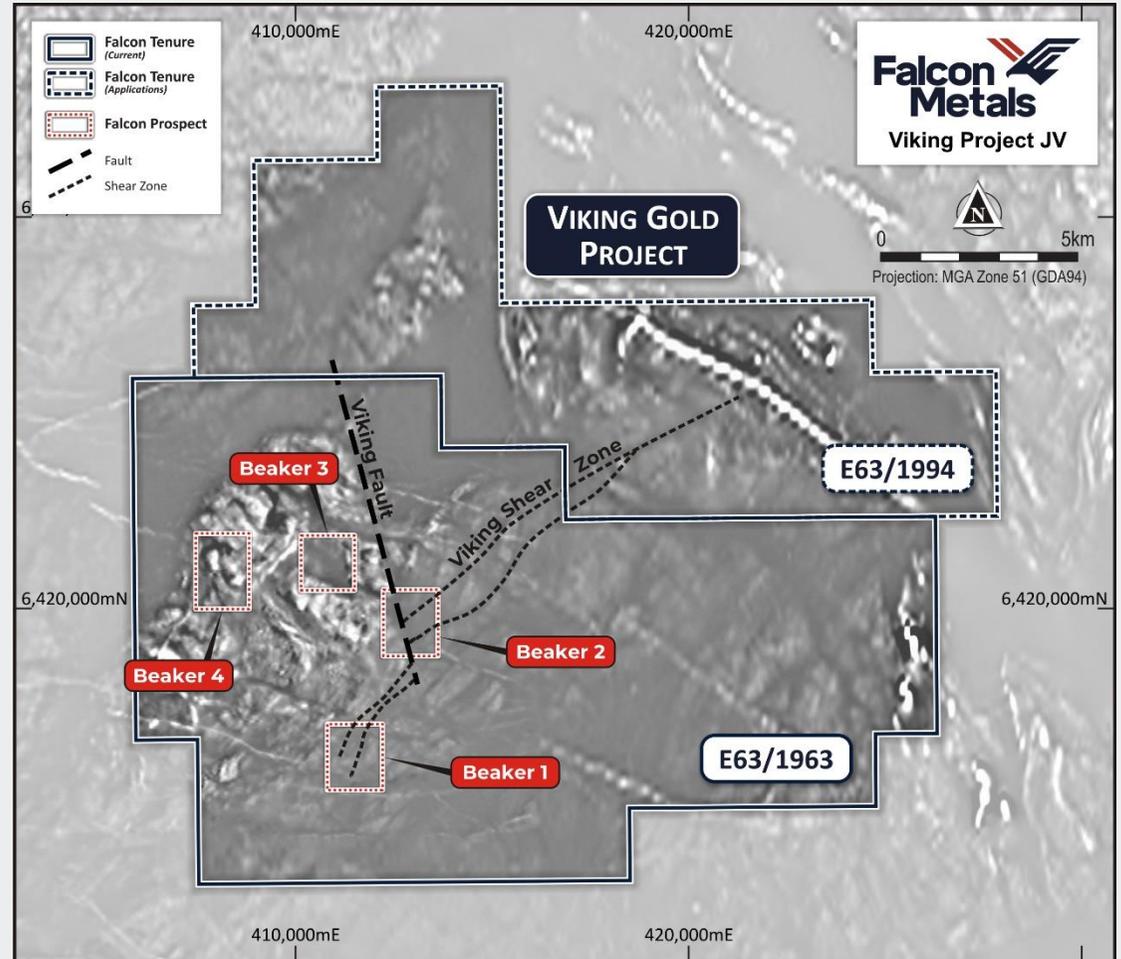


# Viking Project

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## New exploration target zone to the northeast

- Shear zone to northeast of Beaker 2 - a new target zone
- Previous exploration ineffective due to increased depth of cover
- Likely to continue into Falcon 100% owned application (E63/1994)
- Opens up potential 10km strike length along the Viking Shear Zone

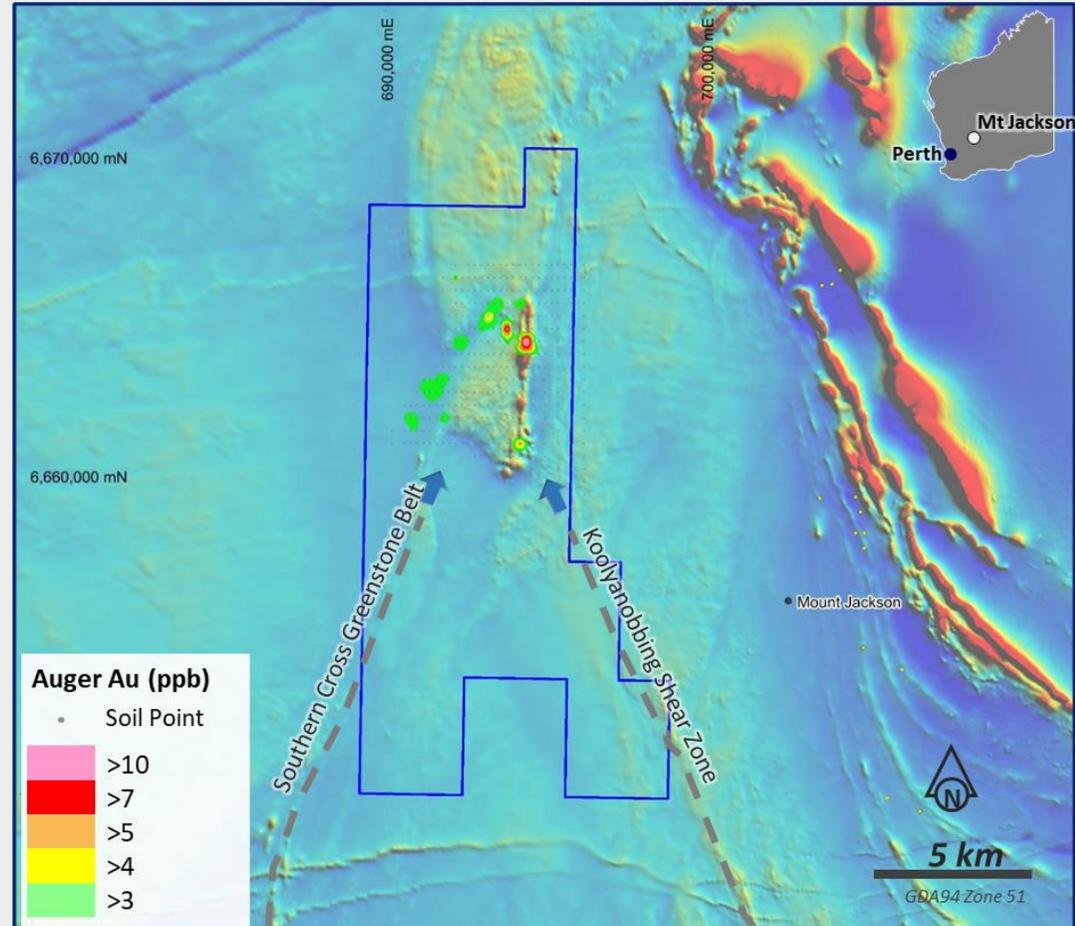


# Mt Jackson Project

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## Untested greenstone with surface gold and pathfinder geochemical response

- 100% owned, underexplored northern end of the Southern Cross greenstone belt where it converges with the regional Koolyanobbing Shear Zone
- Southern Cross Greenstone Belt has a long high-grade mining history and hosts multiple significant orogenic gold deposits, including Marvel Loch (>2.1 Moz)<sup>1</sup> and Yilgarn Star (>1.1 Moz)<sup>2</sup>
- Coincidental Au-As-Sb soil anomaly overlying the northern extents of a >5km long aeromagnetic anomaly, interpreted to be mafic/ultramafic due to its elevated Chrome response
- Infill soil sampling planned to refine targets for AC drilling expected in 2023/2024



<sup>1</sup> Refer 1 2003 Nugus and Dominy. Practical Applications of Geology in the Grade Control Process at the Marvel Loch Gold Mine, Southern Cross, Western Australia. 5th International Mine Geologists Conference

<sup>2</sup> 2001 Witt, Drabbie & Bodycoat. 4th International Archaean Symposium - Yilgarn Star gold deposit, Southern Cross greenstone belt, Western Australia: geological setting and characteristics of an amphibolite-facies orogenic gold deposit.