

# SOLSTICE

MINERALS LTD  
ASX: SLS

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## Cashed up, hunting gold

Investor Update April 2024



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Experienced,  
well-funded and  
deal ready gold  
and base metals  
explorer.

Board and management  
team with track record of  
success

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Strong mix of technical and  
capital markets expertise

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A large, quality ground  
holding in highly prospective  
West Australian terrain

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**Outstanding war chest** for  
acquisition and corporate  
development opportunities



## Gold & metals exploration in WA's Yilgarn Craton.

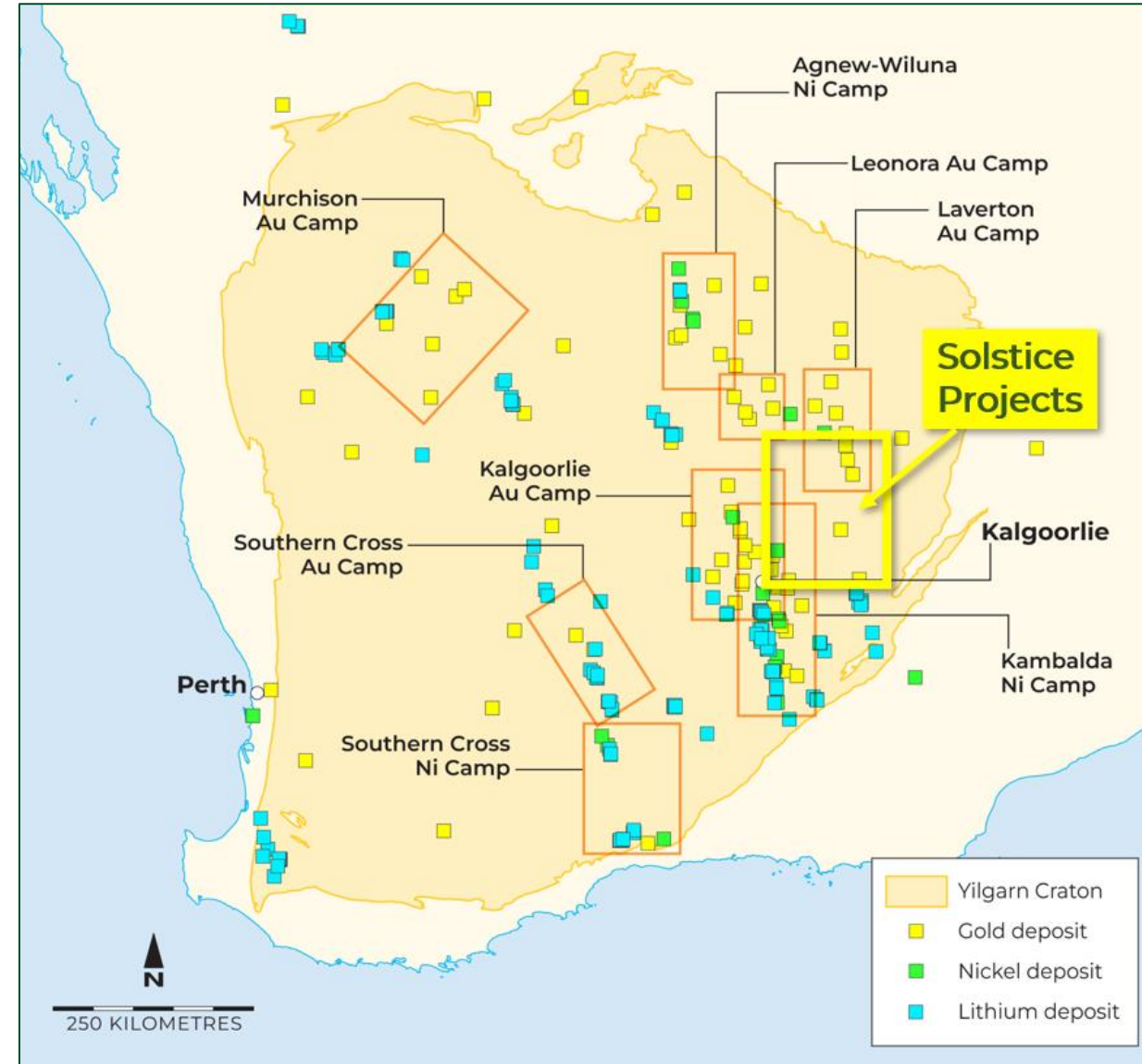
A renowned metals exploration terrain, also delivering battery metals and rare earth oxide successes

Significant **~2,050km<sup>2</sup>** ground holding in the heart of the Goldfields, access agreements largely in place

Solstice technical team with deep experience in area - **data-led target generation and 'boots on ground' validation**, focus on new gold discovery

Compelling mix of **high-impact greenfield and follow-up gold prospects** & pipeline of new targets for testing

**Strong financial capacity and skills to pursue corporate growth opportunities**



# Experienced board and management team

## Matthew Yates Non-Executive Chairman

+35 years (Geologist) Former Executive Chairman and former CEO & MD of OreCorp Limited, former MD of OmegaCorp and Joint MD of Mantra Resources

## Nick Castleden Managing Director and CEO

+25 years (Geologist) Former MD Apollo Consolidated Ltd, extensive industry experience with LionOre, MPI, Perilya Mines, MIM

## Michael Emery Non-Executive Director

Mining Engineer with MBA, former resources analyst, +15yrs in resource and capital markets

## Mike Klessens Non-Executive Director

+30 years (Certified Practising Accountant) Former VP Finance and CFO of Equinox Minerals, extensive industry experience

## Alastair Morrison Non-Executive Director

+30 years (Geologist) Former Exploration Manager of East African Gold Mines, last 18 years as analyst & portfolio manager

## Silfia Morton/James Doyle Joint Company Secretaries

Corporate and capital markets advisory experience as well as past accounting and senior audit management roles

## Dr Mark Alvin Exploration Manager

+25 years (Geologist) Experienced explorationist, formerly with Rio Tinto, Nyrstar, Strandline & MRG Metals

## Exploration Team

Small team of experienced in-house geological staff, and access to highly credentialed consultants

# Corporate Overview

<b>ASX</b>	<b>100.3M</b>	<b>A\$15.0M</b>	<b>A\$18.2M</b>	<b>NIL</b>	<b>A\$0.18</b>
SLS	Shares on issue	Market Cap at 15.0c	<b>Cash</b> (as at 31 Dec 2023), plus cash Hobbes Sale <sup>1</sup>	Debt	per share cash
<b>14.7M</b>	<b>16.2M</b>	<b>3.1M</b>			
Listed 20c Options	Unlisted 29c Options	Performance Rights			

<b>Board &amp; Associates</b>	<b>Nero Resource Fund</b>	<b>Precision Opportunities Fund</b>	<b>Tim Goyder Entities</b>	<b>Top 20</b>
<b>6.4%</b>	<b>8.5%</b>	<b>8.0%</b>	<b>2.4%</b>	<b>43.3%</b>

1. Proceeds per ASX: SLS 16 April 2024 '\$10m Received Following Hobbes Sale'.

# Deal ready.

**Hobbes Sale** places Solstice in enviable cash position

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Excellent position to acquire gold targets that complement the current Yarri gold tenure

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Flexibility to act on commercial opportunities to add shareholder value

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Board and Management with history of corporate results:

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Matt Yates – ASX: OreCorp – \$270m takeover in progress, ASX: Mantra Resources – \$1.02b takeover 2010, and ASX: OmegaCorp - \$200m takeover 2007.

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Nick Castleden – ASX: Apollo Consolidated - \$181m takeover 2021

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Mike Klessens – ASX: Equinox Minerals – \$7.69b takeover 2011

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Alastair Morrison – East African Gold Mines (private) – US\$252 takeover by Placer Dome 2003

## Belt scale land position in Eastern Goldfields.

Proven, high-endowment gold terrain at **Yarri Project**, proven high-tenor nickel sulphide at **Ringlock Project** all within 150km NE of Kalgoorlie

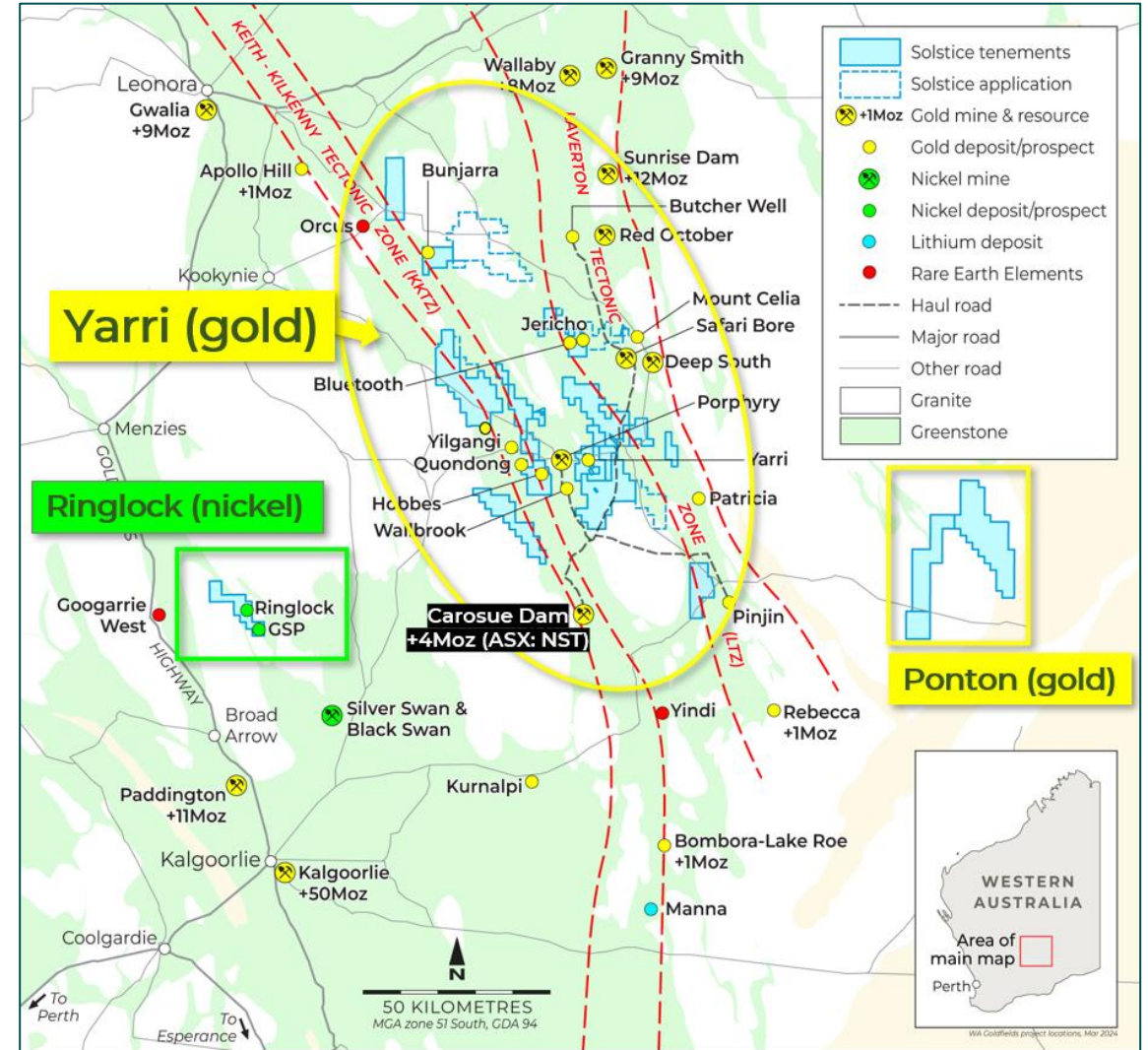
100% owned tenure highly prospective for gold, largely unexplored for other metals

Solstice is a key player around >4Moz Carosue Dam-Porphyry gold hub (Northern Star ASX: NST)

Extensive ground holding assembled over 100km of strike, adjacent to operating gold mines

**Ringlock Dam** - nickel sulphide prospects on strike extensions of ultramafic belt that hosts the high-grade Silver Swan massive nickel sulphide deposit

Other project areas – e.g. **Ponton** offer new-frontier exploration opportunities







Yarri Regional.  
Pipeline of high-quality  
gold targets in proven  
terrain.



>100km of prime soil-covered gold exploration tenure.

Disciplined target generation + first-pass drilling through cover  
= **tried and true gold discovery pathway**

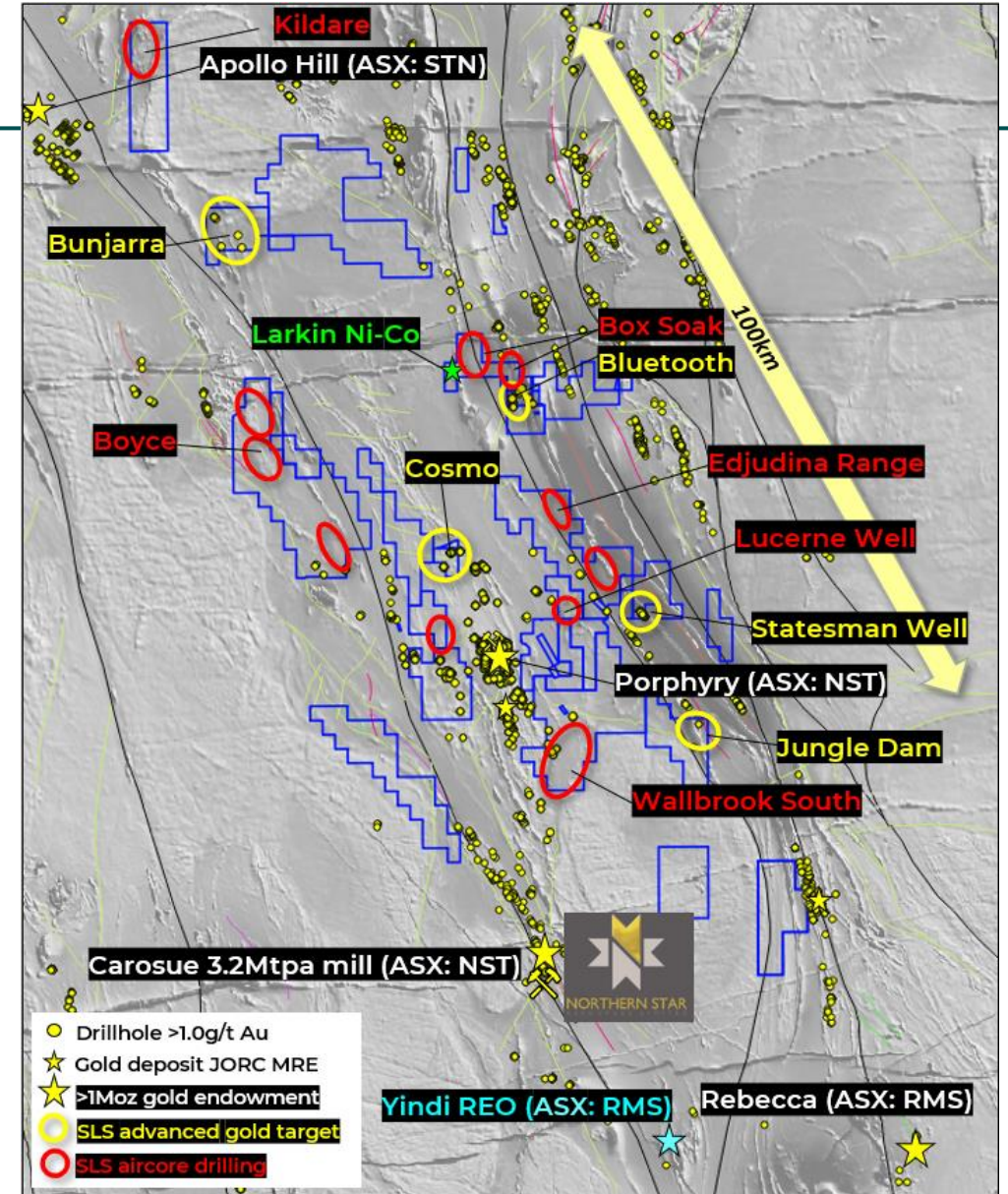
**Multiple 100% owned kilometre scale untested targets**, as well as strike & structural prospects with >1.0g/t gold results<sup>1</sup> in historical drilling

**Hobbes sale** demonstrates that **new discoveries are well placed for commercial outcomes** in an active gold camp

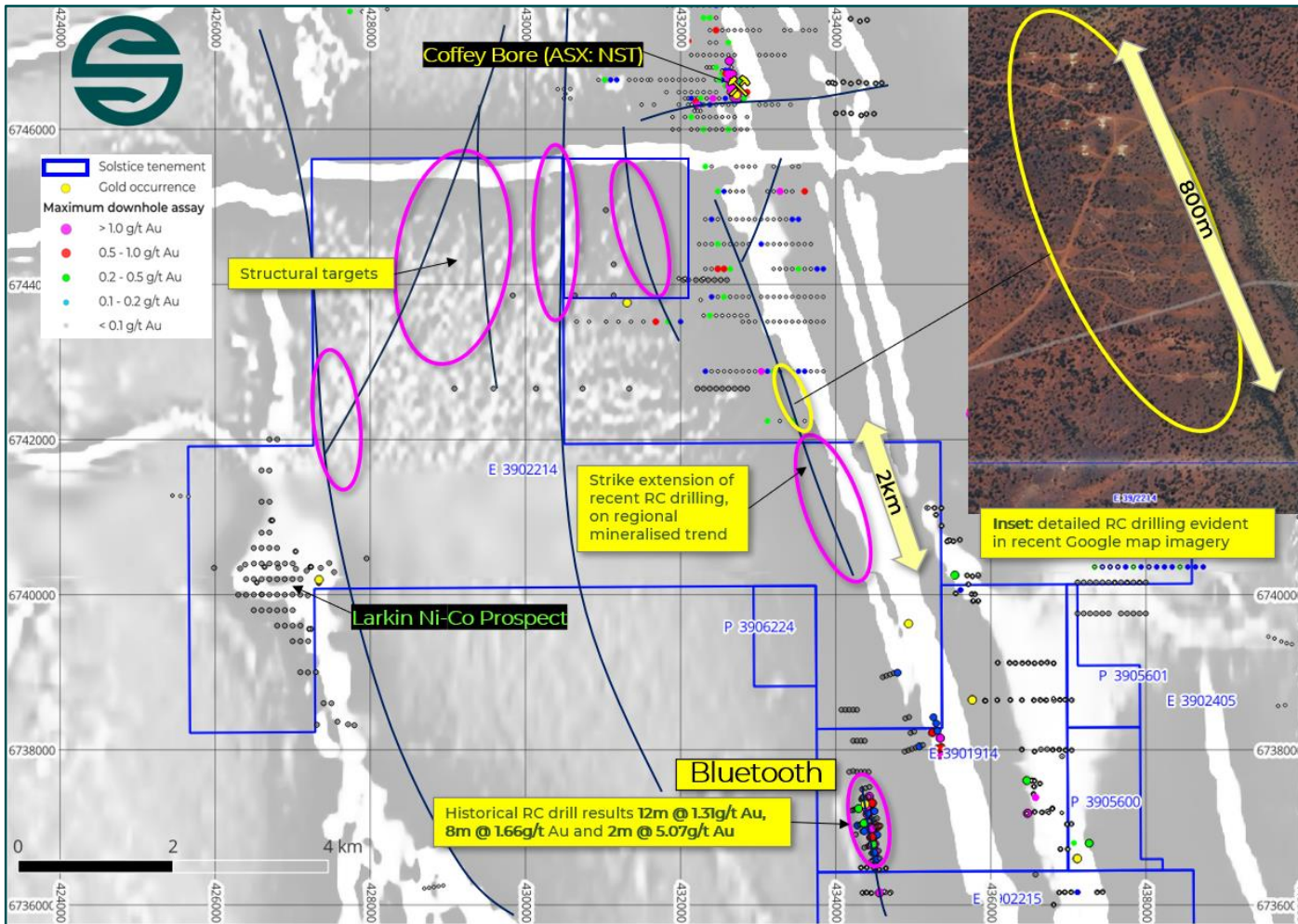
Targets ranked and prepared for 2024 aircore drilling – a cost efficient first-pass test in areas of transported cover

**Comprehensive datasets:** potential for copper VMS, LCT pegmatite (numerous granitic plugs & proximal greenstones), REE's (enriched alkali intrusives), laterite nickel-cobalt (Larkin)

1. For historical >1g/t gold drilling refer to ASX: ORR 8 February 2022 ('Exploration Update, Eastern Goldfields, Western Australia'), 14 March 2022 ('Prospectus'), ASX: ORR 15 March 2022 ('Demerger & IPO Presentation'), and ASX: ORR 26 March 2022 ('March 2022 Quarterly Activities Report'). For Yindi REE source: ASX: RMS 23/01/2023







## Box Soak Gold Targets.

Gold mineralised setting<sup>1</sup>, **multiple structural targets** below widespread alluvial cover

Recent and **ongoing RC drilling by neighbour, geology trends directly into Solstice licence**

Widespread +1g/t gold intercepts in historical drilling<sup>1</sup> at **Bluetooth Prospect**, follow-up targets

Kilometre-scale greenfield gold structural targets in preparation for heritage surveys and first-pass aircore drilling<sup>2</sup>

1. For historical Max downhole gold drilling refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Maximum grade in-hole drilling data 29 Sept 2021, 2. ASX: SLS 16 January 2024 'Solstice Readies For Drilling New High Priority Gold Targets'.

## Bunjarra Gold Target

In well-endowed terrain & on regional gold trend

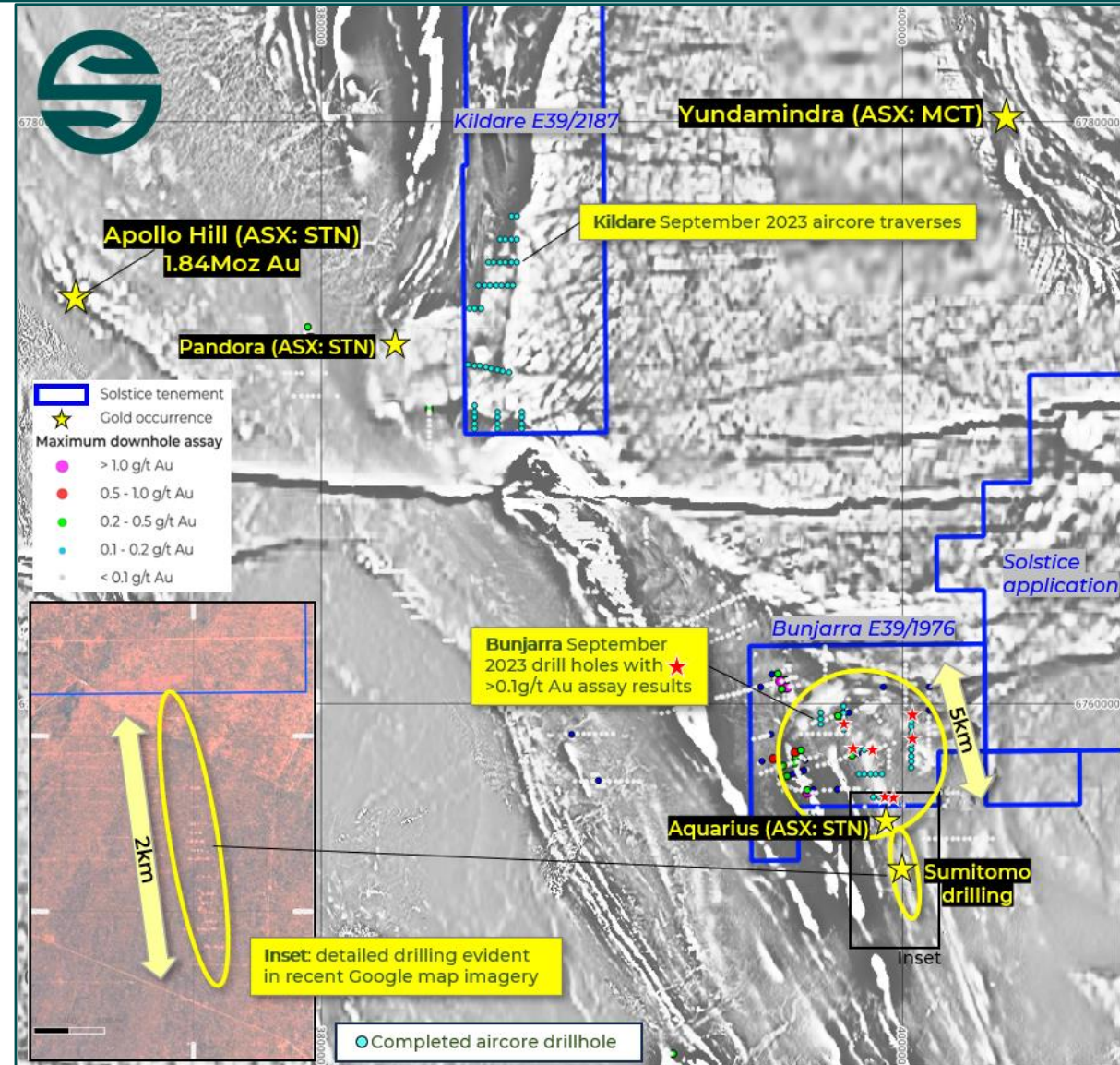
Excellent fold hinge structural setting 15km from Saturn Metals' (ASX: STN) 1.8moz<sup>1</sup> Apollo Hill deposit

High density **RC and Diamond drilling directly south of licence suggests significant gold intercepts**

Solstice reconnaissance aircore results to 2m @ 1.85g/t Au<sup>2</sup>, multiple anomalous zones at end of hole (EOH)

Historical aircore results to 1m @ 14.8 g/t gold<sup>3</sup> (YEAC18-007), rock-chip assays to 6.67g/t Au demonstrates grade potential

1. ASX: STN 28 June 2023 'Apollo Hill Gold Resource Upgraded to 1.84moz', 2. ASX: SLS 16 January 2024 'Solstice Readies For Drilling New High Priority Gold Targets'. 3. Refer to ASX: SLS 14 March 2022 "Prospectus".





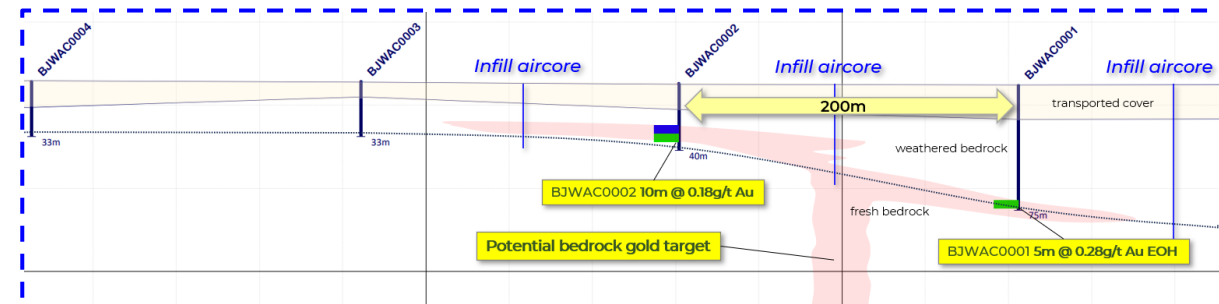
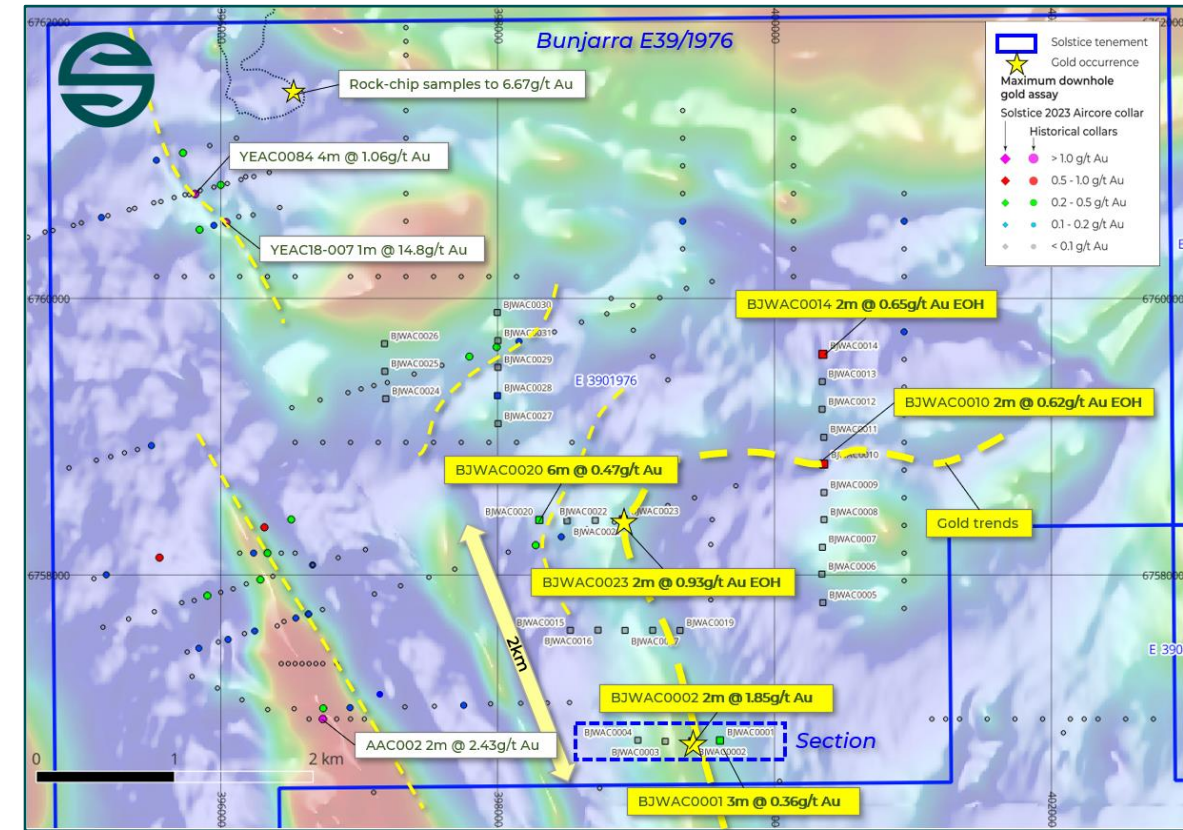
## Bunjarra Gold Target cont.

Series of >1km targets under shallow alluvial cover, supported by **widespread EOH gold anomalism** in first stage aircore drilling<sup>1</sup>

Wide-spaced aircore drilling August 2023 identified multiple new mineralised positions<sup>1</sup> below shallow cover

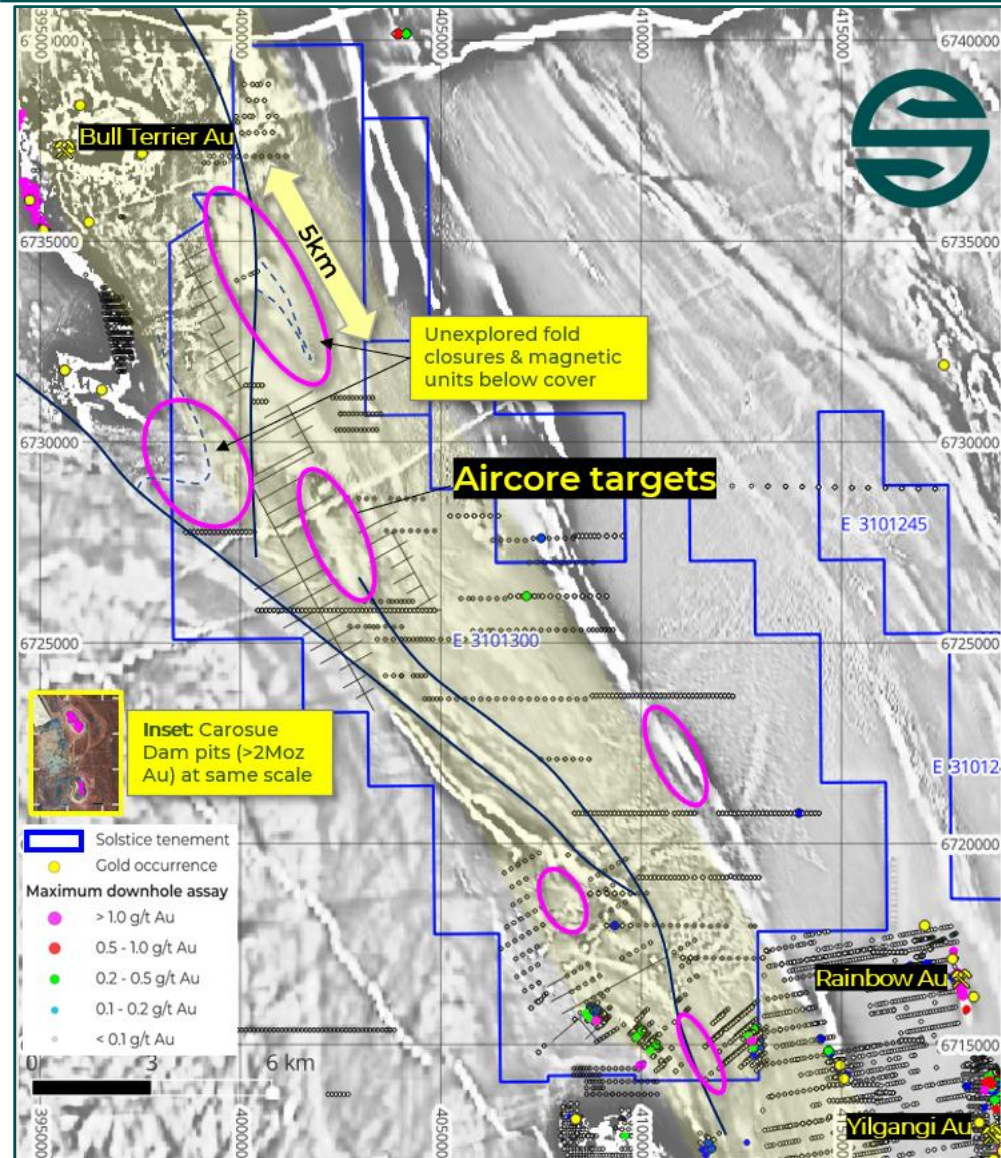
Altered EOH samples below leached weathering profiles, gold often associated with porphyry intrusive

Primed for infill aircore and first RC testing H1 2024



<sup>1</sup> ASX: SLS 10 October 2023 'Greenfield Gold Drilling Identifies New Gold Prospects at Bunjarra'. For historical >1g/t gold drilling refer to ASX: ORR 8 February 2022 ('Exploration Update, Eastern Goldfields, Western Australia'), 14 March 2022 ('Prospectus'), ASX: ORR 15 March 2022 ('Demerger & IPO Presentation').

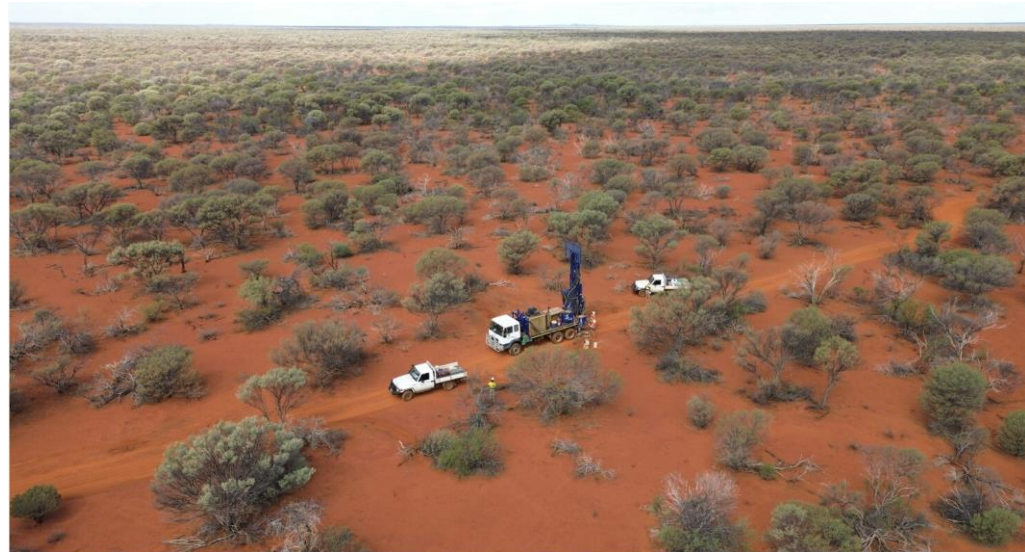




## Boyce Gold Targets.

On regional Carosue Dam (ASX: NST) to Apollo Hill (ASX: STN) structural and geological trend, gold prospects along strike<sup>1</sup>

**Kilometre-scale greenfield gold structural targets** in preparation for first-pass aircore drilling<sup>2</sup>



1. For historical Max downhole gold drilling refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Maximum grade in-hole drilling data 29 Sept 2021,
2. ASX: SLS 16 January 2024 'Solstice Readies For Drilling New High Priority Gold Targets'.



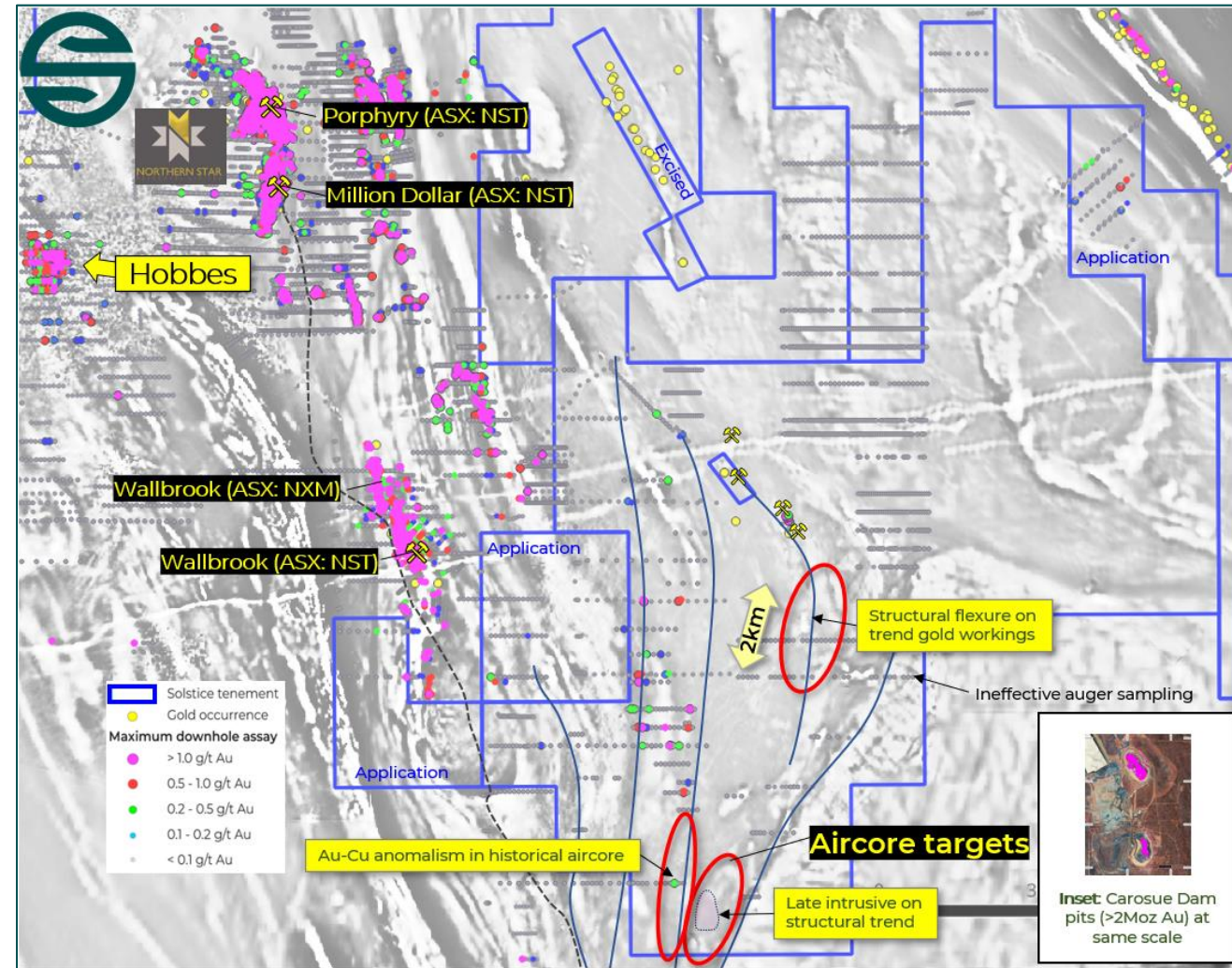
## Wallbrook South Gold Target.

Large landholding in a compelling structural setting south of key Wallbrook-Porphry trend, widespread alluvial cover

Strong Nth and NE structures only partly-tested by past aircore drilling

Widespread +1g/t gold intercepts in historical drilling<sup>1</sup>, piecemeal exploration history

Kilometre-scale greenfield gold and copper structural targets in preparation for first-pass aircore drilling<sup>2</sup>



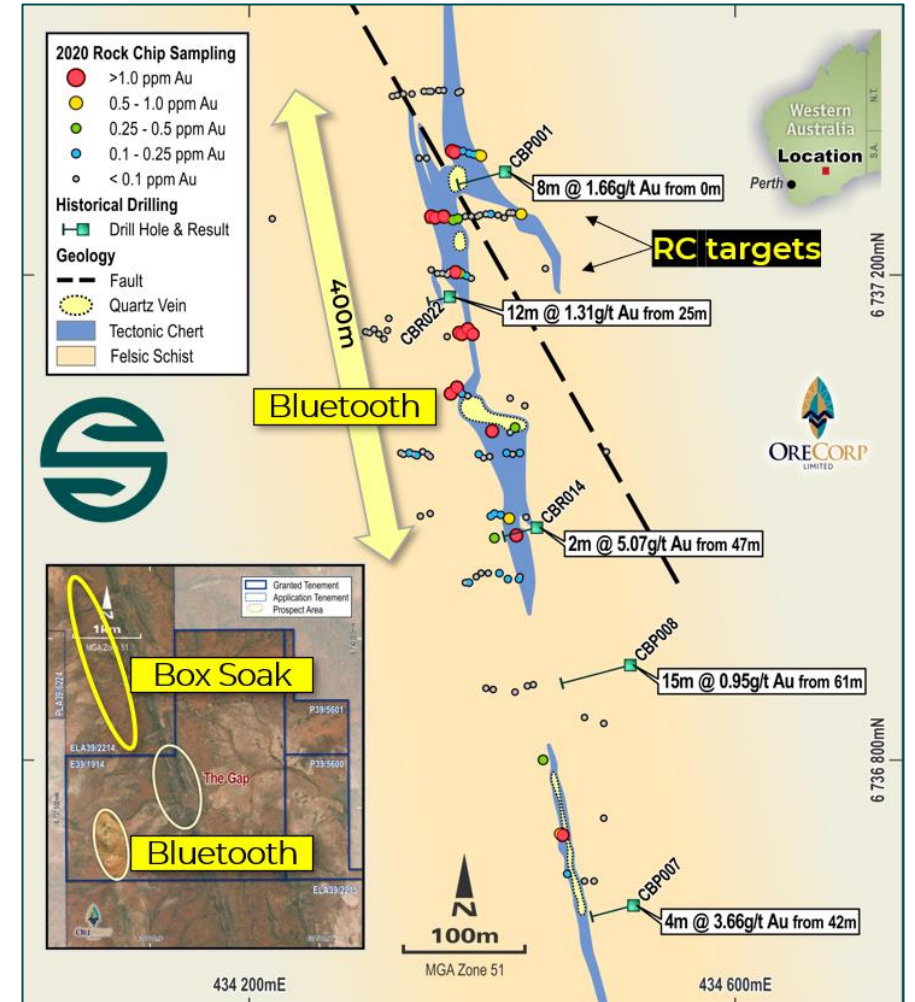
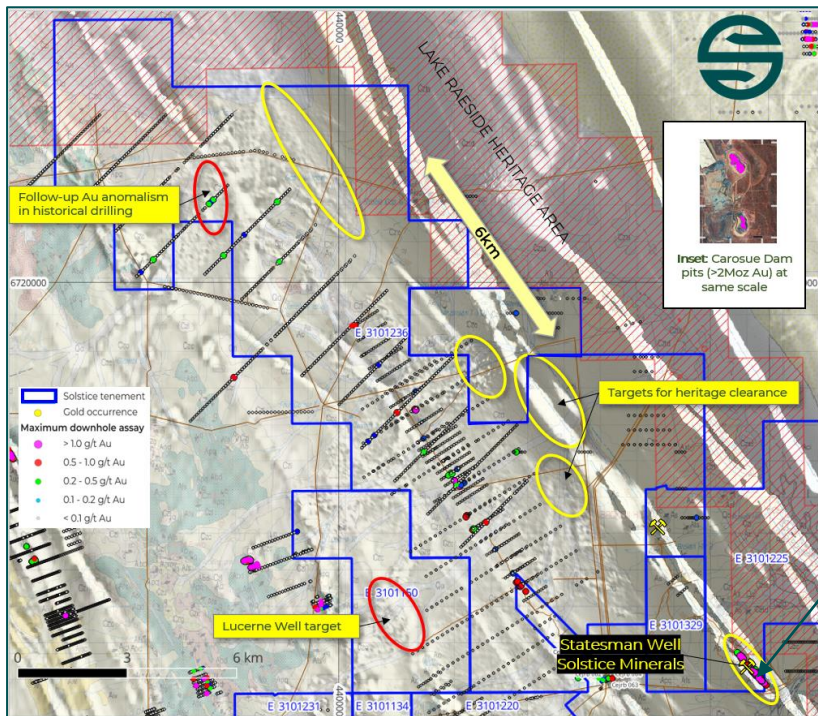
1. For historical Max downhole gold drilling refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Maximum grade in-hole drilling data 29 Sept 2021, 2. ASX: SLS 16 January 2024 'Solstice Readies For Drilling New High Priority Gold Targets'.



## RC Follow-up Gold Targets.

### Bluetooth and Statesman Well

Widespread +1g/t gold intercepts in historical drilling<sup>1</sup>, piecemeal exploration history. **Targeting underway**



1. For historical Max downhole gold drilling refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Maximum grade in-hole drilling data 29 Sept 2021.



# Ponton Project.

## New frontier Exploration



## Ponton Project.

Located 200km NE of Kalgoorlie in gneiss terrain

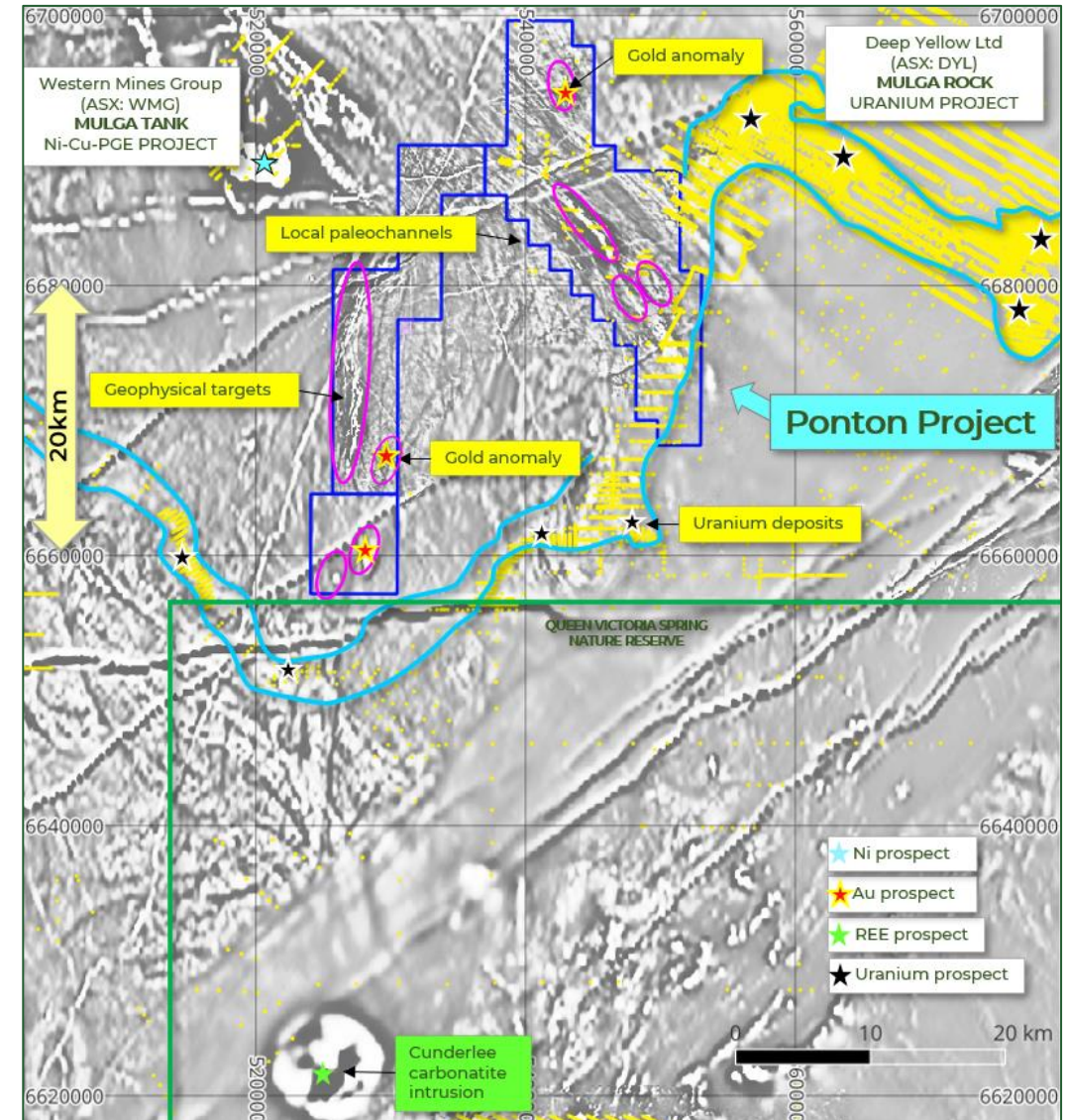
Largely unexplored, **frontier opportunity** at margin of Yilgarn Craton

Significant repeatable gold-in-soil anomalism<sup>1</sup> in aeolian sand country, anomalies coincident with underlying magnetic features

Gold anomalism untested by previous drilling

Potential for gold, uranium, REO-niobium, nickel-sulphides

1. ASX: SLS 14 July 2022 ('Significant Gold Anomalies Confirmed by Infill Soil Sampling at the Nippon Licence, Ponton Project'), For historical drill collars refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Mineral Exploration Drillholes.





# Ringlock Project. Nickel sulphides. Grade is King.

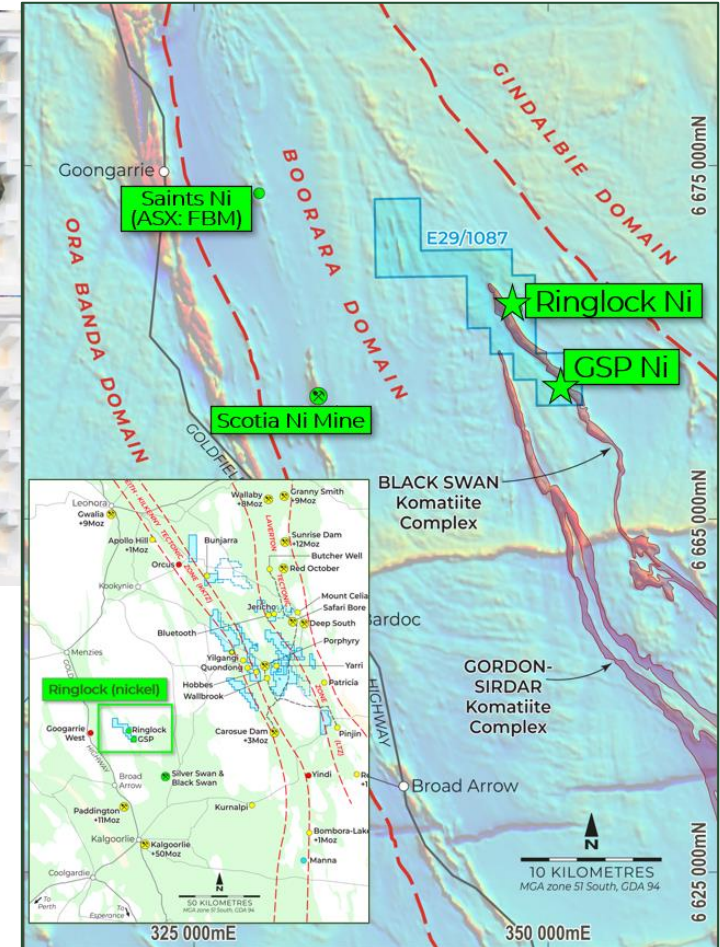
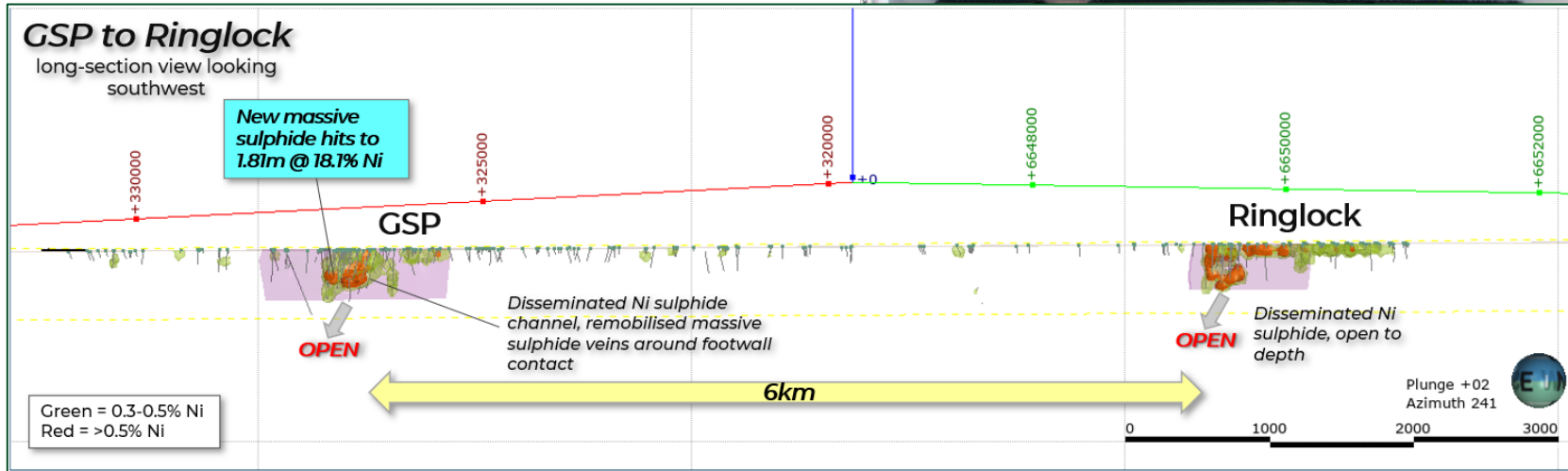
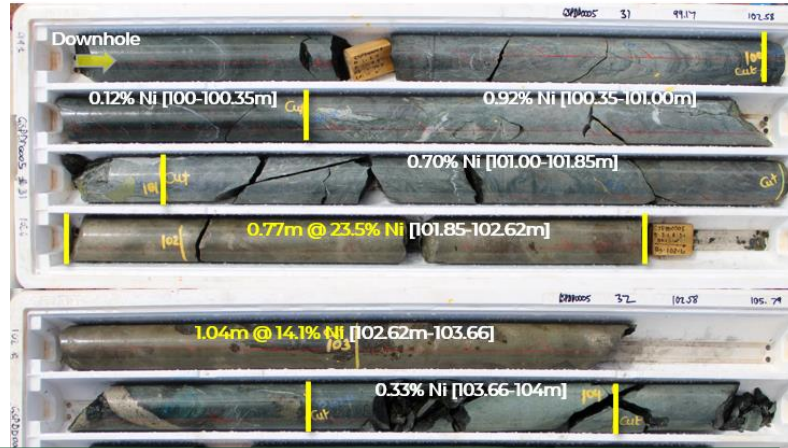




## GSP Prospect: drill results 1.81m @ 18.1% nickel on Silver Swan trend<sup>1</sup>.

Advanced massive sulphide target at **GSP** with high-tenor nickel sulphide intercepts<sup>2</sup>

- 8.0m @ 2.4% nickel from 113.4m (GS033)
- 2.9m @ 2.9% nickel from 166.7m (GS013)
- 4m @ 2.3% nickel from 104m (MJRC047)
- 6m @ 2.3% nickel from 85m (RPD002)
- 4.0m @ 1.4% nickel from 145m (MJRC048)



1. ASX: SLS 10/03/2023 (High Grade Nickel Sulphide Drill Results at GSP Prospect)  
2. ASX: SLS 02/12/2022 (Commencement of Nickel Drilling at Ringlock Dam)



# Near term news flow and upcoming catalysts.



Sequential aircore drilling of **prime soil-covered gold targets**



Follow-up aircore/RC drilling as prospects evolve



Regional: identification and ranking of new gold targets and other metals potential



**~\$18M cash allows fast, non-dilutive operational flexibility**



Ongoing review and assessment of new corporate development opportunities



## SUMMARY

Extensive, prospective and hard to replicate ground package in Eastern Goldfields

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Compelling new structural targets for first-stage testing

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Commitment to review and turn-over ground

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Next door to existing infrastructure, proven commercial pathways

Robust cash position allows corporate development opportunities

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Excellent leverage to exploration success, commercial outcomes

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Pipeline of other exciting drill ready and greenfield gold and metals targets

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Proven exploration and corporate team





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Thank you.