

#### **ASX** Announcement

9 November 2023 | ASX: SLS

# Chairman's Address and Investor Presentation

Solstice Minerals Limited (**Solstice** or the **Company**) advises that the Chairman, Mr Matthew Yates will address shareholders at the Annual General Meeting (**AGM**) of the Company being held at 9.00am (AWST) today.

Solstice also advises that CEO & Managing Director, Mr Nick Castleden will be presenting to shareholders at the AGM.

Copies of the Chairman's Address and the Investor Presentation are attached.

This announcement has been authorised for release by the Managing Director.

For further information please contact: Nick Castleden

CEO & Managing Director T: +61 (8) 9200 1838



#### Chairman's Address

Welcome Shareholders,

On behalf of the Board, it gives me great pleasure to welcome you to the 2023 and second Annual General Meeting (**AGM**) of Solstice Minerals Limited (**Solstice**), my first as Chairman of the Company.

As our first full year on the ASX, 2023 was an exciting year for the Company, highlighted by the appointment of CEO and Managing Director, Nick Castleden, in January. The Board was delighted to welcome Nick to Solstice and, since joining, his high-level technical expertise and commercial acumen have been great assets to the Company. In addition to Nick's appointment, the Company was also pleased to welcome Mr Michael Emery to the Board during the year. Having extensive experience as a mining engineer, resource analyst and investment advisor, Michael brings a unique skill set that neatly complements the existing Board of directors.

During 2023, the Company was focussed on systematically progressing exploration at the Company's gold and base metal projects in the Eastern Goldfields of Western Australia. The Company's key projects are the extensive Yarri gold project, containing the Hobbes Gold Project (**Hobbes**), the Ringlock Dam Nickel Project (**Ringlock**) and the early-stage Bunjarra and Ponton Gold Projects. Exploration of the portfolio during the year has also expanded to embrace the battery metal suite of elements.

Operational highlights for the year included the announcement of a maiden Mineral Resources Estimate at Hobbes that delivered 4.6 million tonnes at 1.2g/t Au for 177,000 ounces. The Hobbes gold deposit remains strategically positioned for future commercialisation, located close to established mining and haul road infrastructure approximately 5km southwest of Northern Star Limited's Porphyry Mining Centre and approximately 45 kilometres north of Carosue Dam.

Elsewhere in the Yarri Project, aircore drilling completed at Hobbes identified a high-priority potential fresh-rock Rare Earth Oxides + Yttrium (**TREOY**) target at the Leviathan Prospect. Follow-up reconnaissance aircore drilling at the prospect confirmed a kilometre-scale fresh rock TREOY target. The Company is planning a shallow Reverse Circulation (**RC**) drilling program as a next step to test the fresh rock profile and potential for a high-volume TREOY deposit in this geological setting.

At Ringlock, work focussed on the historical GSP prospect, a high tenor magmatic nickel sulphide system where the Company's 2022 maiden diamond drill program returned vein results up to 1.81m @ 18.1% nickel, 19.06g/t palladium, 2.22g/t platinum, and 2.21g/t gold. Shallow RC drilling is planned to confirm the orientation of a prospective footwall contact above a potential high-value down plunge exploration target on the southeast side of a cross-cutting fault.

Exploration at the Bunjarra Project included a first stage wide spaced aircore drilling program over soil covered gold targets located 70km northwest of Hobbes. Drilling delivered new +0.10g/t gold anomalism in weathered bedrock at or close to end of hole. Results have opened up numerous new gold prospects and the next step will be targeted infill aircore drilling.



Corporate activity during the year included the sale of 100% interest in four non-core exploration licences to Marquee Resources Limited (**MQR**). The licences are located in the southernmost part of the Company's Yarri landholding, geographically separate from Solstice's key Yarri landholdings around the Hobbes Gold Project. The decision to divest these exploration licences reflects the Company's strategy to focus its resources and attention on its key projects and exploration targets and review new opportunities. The Company will retain exposure to any future exploration success on the divested ground through MQR equity and a royalty interest.

Financially, the Company remains in a strong position with \$8.75 million cash and no debt at the end of the September quarter. The Company's cash position, coupled with a seasoned technical team, puts Solstice in a strong position ahead of what we believe will be an exciting 2024. The Company has an excellent Board and management team who are firmly focussed on advancing targeted exploration at our extensive property portfolio as well as pursuing additional opportunities to enhance shareholder value.

On behalf of the Board, I would like to take this opportunity to thank all shareholders for their ongoing support of the Company. My fellow directors and I are excited for the year ahead and look forward to updating shareholders on our progress. Thank you.

Mr Nick Castleden, Solstice's CEO and Managing Director will provide a more detailed presentation on Solstice at the end of this meeting.



#### IMPORTANT NOTICES AND DISCLAIMERS

#### Nature of Document

The purpose of this presentation is to provide general information about Solstice Minerals Limited (Solstice) which is current as at the date released unless otherwise specified. It is information in a summary form and does not purport to be complete. The information in this presentation should be read in conjunction with Solstice's other announcements lodged with the ASX.

#### No Advice or Offer

This presentation is presented for informational purposes only. It does not constitute an offer, invitation, solicitation or recommendation or advice with respect to the issue, purchase, or sale of any securities or other financial products in Solstice. It is not intended to be, and is not, a prospectus, product disclosure statement, offering memorandum or private placement memorandum for the purpose of Chapter 6D of the Corporations Act 2001. It is not recommended that any person makes any investment decision in relation to Solstice based solely on this presentation. This presentation does not necessarily contain all information which may be material to the making of such a decision. Any investor should make its own independent assessment and determination as to Solstice's prospects prior to making any investment decision and should not rely on the information in this presentation for that purpose.

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#### Disclaimer/Forward Looking Information

This presentation contains certain forward-looking statements, guidance, forecasts, estimates, prospects and projections in relation to future matters that may involve risks or uncertainties and may involve significant items of subjective judgement and assumptions of future events, which as at the date of this presentation are considered reasonable, but that may or may not eventuate (Forward-Looking Statements).

Forward-Looking Statements can generally be identified by the use of forward-looking words such as, 'anticipate', 'estimates' 'will', 'should', 'could', 'may', 'expects', 'plans', 'forecast', 'target' or similar expressions and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production and expected costs. Indications of, and guidance on future earnings, cash flows, costs, financial position and performance are also Forward-Looking Statements.

Persons reading this presentation are cautioned that such statements are only predictions, and that actual future results or performance may be materially different. Forward-Looking Statements, opinions and estimates included in this presentation are based on assumptions and contingencies which are subject to change, without notice, as are statements about market and industry trends, which are based on interpretation of current market conditions. Forward-Looking Statements are provided as a general guide only and should not be relied on as a guarantee of future performance.

Forward-Looking Statements are subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information. No representation or warranty, express or implied, is made by Solstice that any Forward-Looking Statement will be achieved or proved to be correct. Further, Solstice disclaims any intent or obligations to update or revise any Forward-Looking Statements whether as a result of new information, estimates or options, future events or results or otherwise, unless required to do so by law.

#### JORC 2012 Competent Persons Statement

The information contained in this announcement that relates to Mineral Resource Estimates for the Hobbes Gold Project is based on information compiled by Mr Mark Zammit, who is a full-time employee of Cube Consulting Pty Ltd (Cube) and is a Member of the AIG. Mr Zammit has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which is an undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Zammit consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to Exploration Results is extracted from ASX SLS and ORR announcements as footnoted through this release, as well as ASX: ORR 15 March 2022 ('Demerger & IPO Presentation'), 14 March 2022 ('Prospectus'), and ASX: ORR 8 February 2022 ('Exploration Update, Eastern Goldfields, Western Australia'), all of which are available at www.solsticeminerals.com.au.

Solstice confirms that it is not aware of any new information or data that materially affects the information included in the original announcements and that all material assumptions and technical parameters underpinning the Exploration Results in the original announcements continue to apply and have not materially changed. Solstice confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original announcements.



# Experienced, funded gold and battery metals explorer.

Board and management team with track record of success

Strong mix of technical and capital markets expertise

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

Well-funded for acquisition and corporate development opportunities

#### Gold & Metals Exploration in WA's Yilgarn Craton.

A renowned metals exploration terrain, now delivering battery metals esp. lithium successes

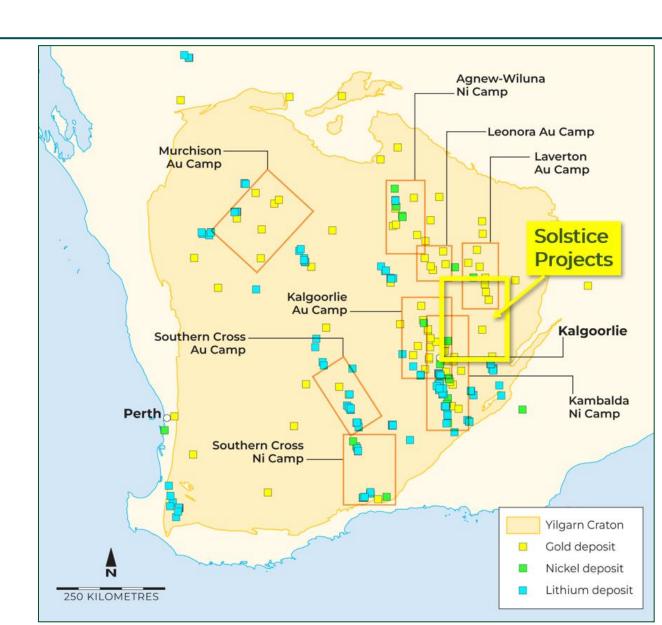
Significant ~2,500km² ground holding in the heart of the Goldfields, access agreements largely in place

Solstice technical team with deep experience in area - data-led target generation & 'boots on ground' validation, focus on gold and battery metals

Compelling mix of advanced prospects such as **Hobbes** (177koz gold JORC-compliant Mineral Resource<sup>1</sup>) **Ringlock Dam** (nickel), plus a pipeline of new targets for testing

Strong skills and capacity to pursue corporate growth opportunities

1. ASX: SLS 22nd March 2023 ('Robust Maiden Gold Mineral Resource at Hobbes'), and details on Slide 19



### Experienced board and management team

#### Matthew Yates Non-Executive Chairman

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

#### Alastair Morrison Non-Executive Director

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

#### Nick Castleden Managing Director and CEO

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

#### Silfia Morton/James Doyle Joint Company Secretaries

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

#### Micheal Emery Non-Executive Director

Mining Engineer with MBA, experienced in resources industry, and broking and resource analysis background

#### Dr Mark Alvin Exploration Manager

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

#### Mike Klessens Non-Executive Director

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

#### John McIntyre Chief Geologist

+35 years (Geologist) multicommodity exploration experience, formerly with Greatland Gold, Chalice Mining, Liontown Resources & Hunter Resources



## Corporate Overview

100.3M A\$11.5M A\$8.7M NIL **ASX** A\$2.8M SLS Market Cash (as at Debt EV Shares on issue Cap at 11.5c 30 Sept 2023, unaudited) 16.2M 14.7M 3.1M Listed 20c Unlisted Performance Options 29c Options Rights

Board & Associates	Nero Resource Fund	Precision Opportunities Fund	Tim Goyder Entities	Top 20	
6.4%	8.5%	5.4%	2.4%	43.3%	

#### 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

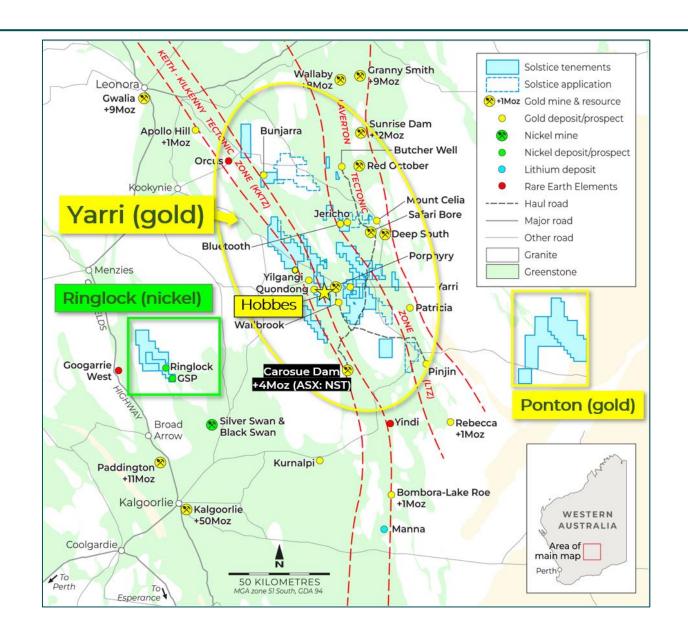
Tenure highly prospective for gold & nickel, completely unexplored for lithium and rare earth elements

Solstice is a key player around >3Moz Carosue Dam-Porphyry gold hub (Northern Star ASX: NST)

Extensive ground holding assembled at the **Hobbes Gold Project**, adjacent to operating gold mine

Battery metals exposure at **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 Project.

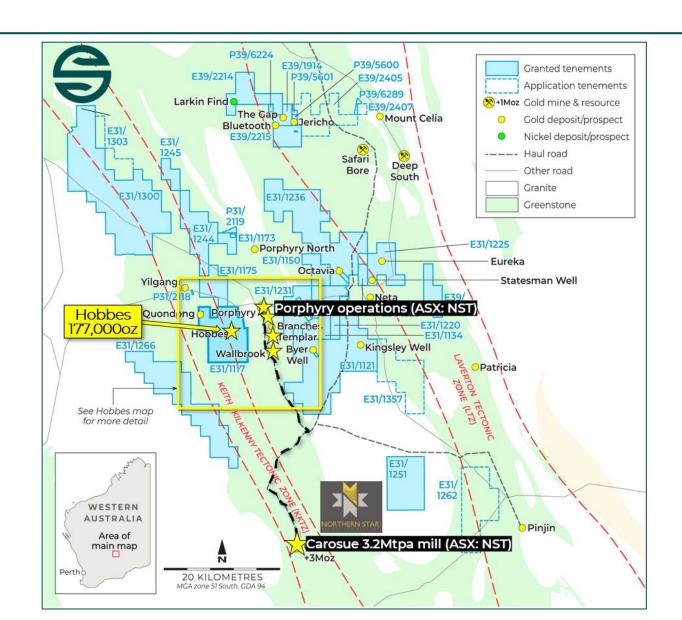
Favorably located within Keith-Kilkenny and Laverton Tectonic Zones - proven metal conduits hosting numerous large gold deposits

Hobbes Gold Project (E31/1117 – 80%) maiden 177koz pit-constrained Mineral Resource Estimate<sup>1</sup> following recent infill drilling

Hobbes is approximately 5km west of Northern Star's Porphyry mining operations - established infrastructure next door

Nexus Minerals (ASX: NXM) progressing the adjoining Crusader-Templar gold discovery

1. ASX: SLS 22nd March 2023 ('Robust Maiden Gold Mineral Resource at Hobbes'), and details on Slide 13



#### Hobbes Licence (80%).

Multiple gold hits in soilcovered targets, in sight of operating mines

Highly-prospective setting, good structural preparation

Well-defined supergene gold deposit, evolving bedrock gold model

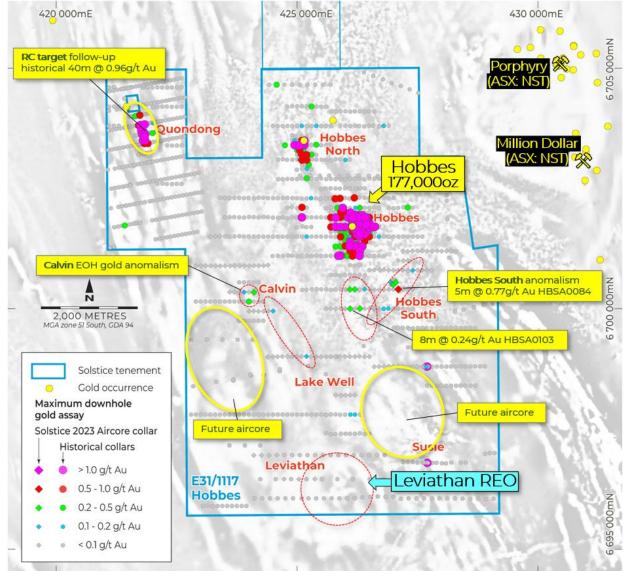
Robust initial MRE provides foundation for further resource growth

Potential for future commercial outcomes









#### Hobbes supergene blanket.

Broad flat-lying gold footprint up to 1km in strike length, 400m across strike and up to 30m thick

Recent RC and diamond drilling<sup>1</sup> has added confidence to core area of supergene mineralisation

Better intersections within the supergene include:

22m @ 3.22g/t gold from 45m (HOBRC0002)

20m @ 1.55g/t gold from 53m (HOBRC0038)

30m @ 1.08g/t gold from 47m (HOBRC0014)

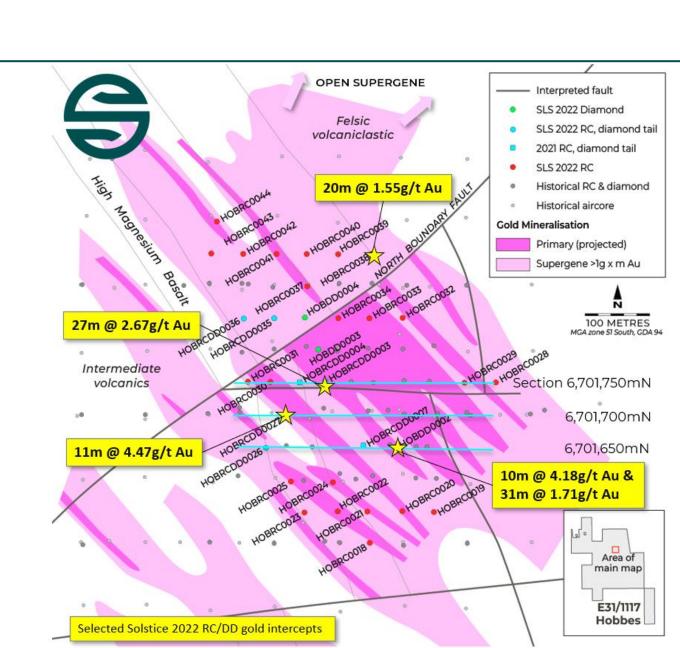
17m @ 1.18g/t gold from 56m (HOBRC0032)

10m @ 4.18g/t gold from 78m (HOBDD0002)

12m @ 1.49g/t gold from 58m (HOBRC0001)

Supergene gold footprint remains open to northeast

1. ASX: ORR 05/02/2021, ASX: ORR 08/03/2021, ASX: SLS 08/09/2022, ASX: SLS 15/11/2022, ASX: SLS 21/12/2022



#### Hobbes fresh rock mineralisation.

Primary mineralisation identified over >500m strike

West-dipping primary zones within fault block of altered intermediate volcanics

Visible gold observed in thin quartz-carbonate veins

Strong primary drill intercepts<sup>1</sup>:

27m @ 2.67g/t gold from 113m (HOBRCDD003)

25m @ 2.52g/t gold from 87m (NHD002)

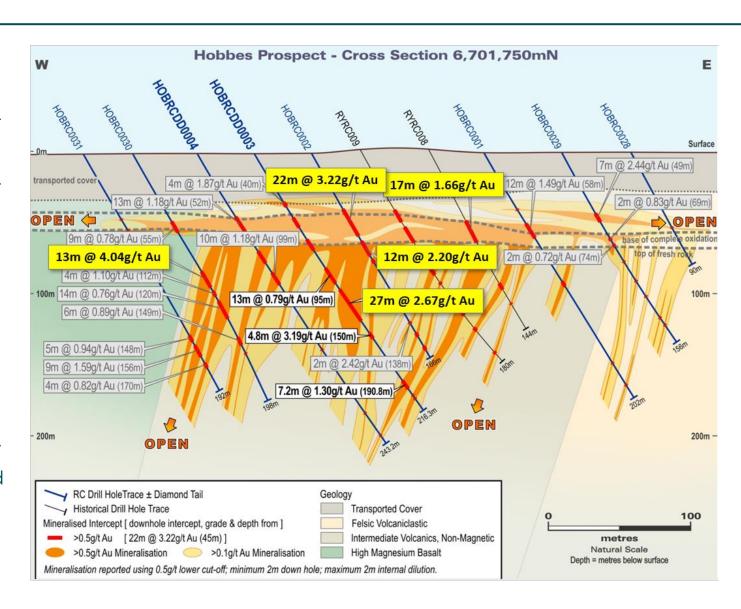
13m @ 4.04g/t gold from 96m (HOBRC0030)

11m @ 4.47g/t gold from 264m (HOBRCDD0027)

31m @ 1.71g/t gold from 118m (HOBDD0002)

Favourable preliminary metallurgical testwork<sup>1</sup> – gold recovery in oxide 97%, and primary 89%

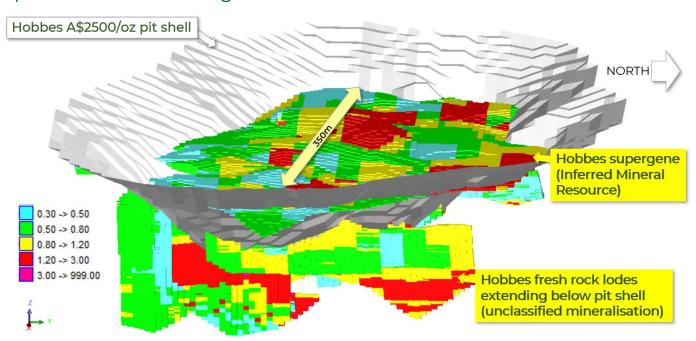
1. ASX: ORR 05/02/2021, ASX: ORR 08/03/2021, ASX: SLS 08/09/2022, ASX: SLS 15/11/2022, ASX: SLS 21/12/2022



#### Hobbes JORC-compliant Mineral Resource<sup>1</sup>

Maiden Mineral Resource Estimate of **177,000oz at 1.2g/t Au** at 0.6g/t Au cut-off and <u>constrained within A\$2500/oz pit shell</u>

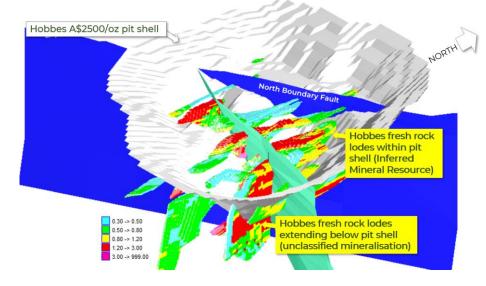
Mineralisation extending beyond pit shell offers exploration upside and potential for resource growth



Weathering Domain	Category	Tonnes	Grade (g/t Au)	Ounces
Transitional	Inferred	2,500,000	1.2	92,000
Fresh	Inferred	2,100,000	1.2	85,000
	Total	4,600,000	1.2	177,000
		·		

Notes: The Mineral Resources are reported at a lower cut-off grade of 0.6 g/t Au and are constrained within A\$2,500/oz optimised pit shells based on mining parameters and operating costs typical for Australian open pit extraction of deposits of similar scale and geology. All numbers are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding. See Appendix 1 for JORC 2012 Table 1.

#### Fresh rock lodes (supergene removed)



1. ASX: SLS 22nd March 2023 ('Robust Maiden Gold Mineral Resource at Hobbes')



Over 100km strike of prime gold (+ lithium, rare earth oxides [REO]) exploration tenure.

Data-led target generation & active field work with a focus on gold and battery metals

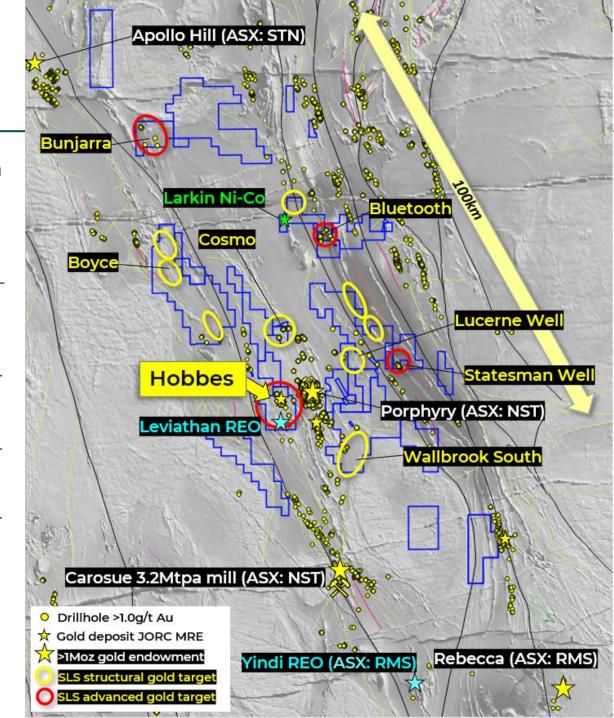
Multiple 100% owned prospects with >1.0g/t gold results<sup>1</sup> in historical drilling, >1km scale untested strike & structural targets, advanced targets at Bluetooth, Statesman Well, Bunjarra

Identify and rank targets for 2023/24 aircore drilling – a cost efficient first-pass test in areas of transported cover

Gold targets proximal to Hobbes; Cosmo, Wallbrook South - well placed for commercial outcome on discovery

What else is in the data? – potential for LCT pegmatite (numerous granitic plugs & proximal greenstones), REE's (enriched alkali intrusives), laterite nickel-cobalt (Larkin), VMS

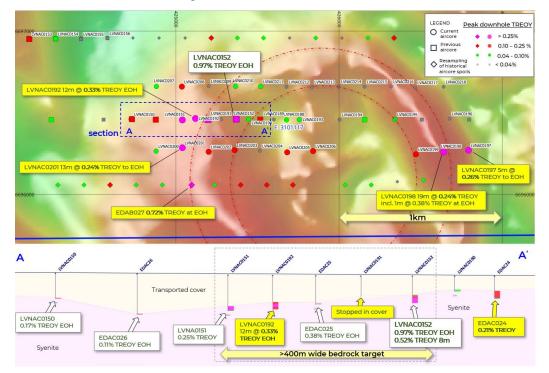
1. For historical >1g/t gold drilling refer to ASX: ORR 8 February 2022 ('Exploration Update, Eastern Goldfields, Western Australia'), 14 March 2022 ('Prospectus'), ASX: ORR 15 March 2022 ('Demerger & IPO Presentation'), and ASX: ORR 26 March 2022 ('March 2022 Quarterly Activities Report'). For Yindi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

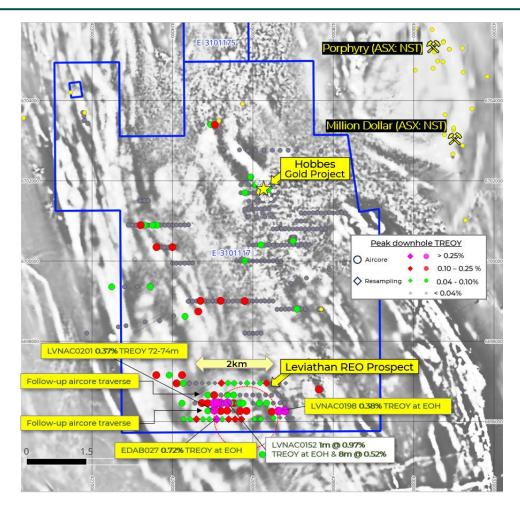


Exciting fresh-rock REO play at Leviathan, two phases of aircore drilling confirms significant target.

**1m @ 0.97% (9,700ppm) TREOY**<sup>1</sup> at End of Hole (EOH) in fresh syenite, consecutive adjacent holes also with >0.25% TREO at EOH

Potential for high-volume fresh-rock REO project associated with syenite intrusion or adjacent alteration halo





1. Refer ASX: SLS 3 July 2023 ('Aircore Drilling at Hobbes Delivers Rare Earth Oxide Results up to 0.97%, plus New Gold Anomalism'), ASX: SLS 19 September 2023 'Follow-up Drilling Confirms Large Intrusive Hosted REO Target at Leviathan'.

#### Bunjarra Gold Target.

Excellent fold hinge structural setting 15km from Saturn Metals' (ASX: STN) Apollo Hill deposit

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

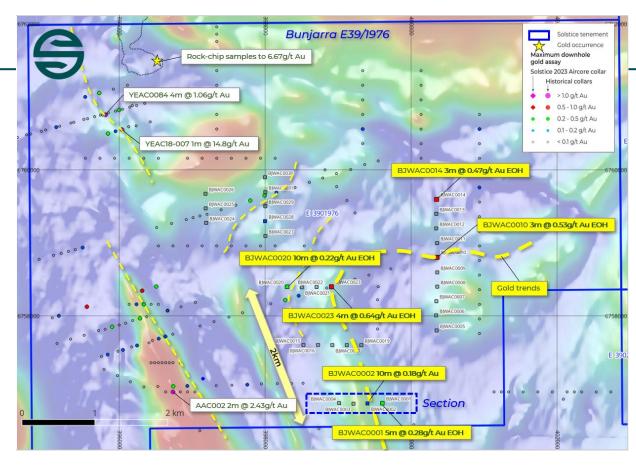
Historical aircore results to 1m @ 14.8 g/t gold¹ (YEAC18-007), rock-chip assays to 6.67g/t Au demonstrates grade potential

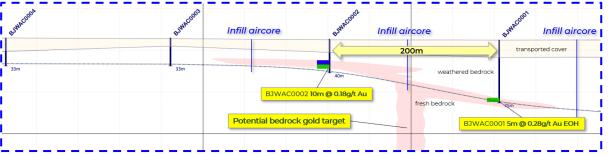
August 2023 wide-spaced aircore drilling identified multiple new mineralised positions<sup>1</sup> below shallow cover

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

#### Primed for infill aircore and first RC testing

1. 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').





#### Wallbrook South Gold Target.

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

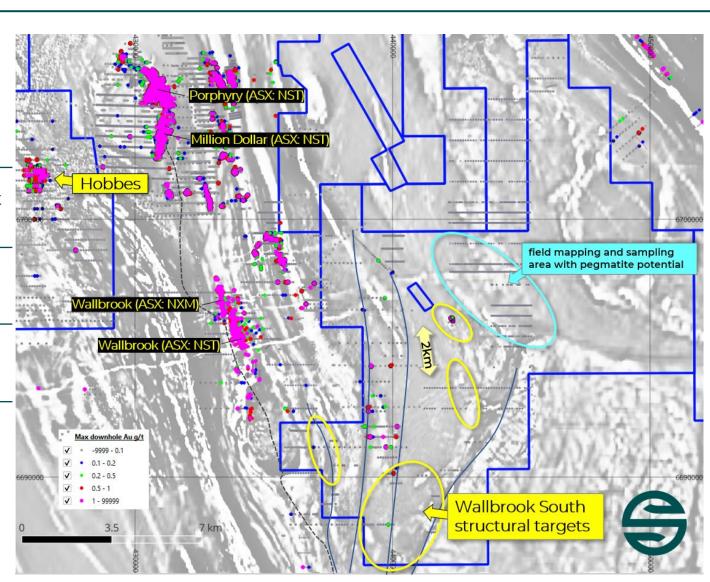
Strong Nth and NE structures only partly-tested by past aircore drilling

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

Kilometer-scale greenfield gold structural targets to be ranked for first-pass aircore drilling

Field mapping and sampling underway in area permissive for lithium bearing pegmatites

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





#### Ringlock Project. Exciting Ni prospects on key belt.

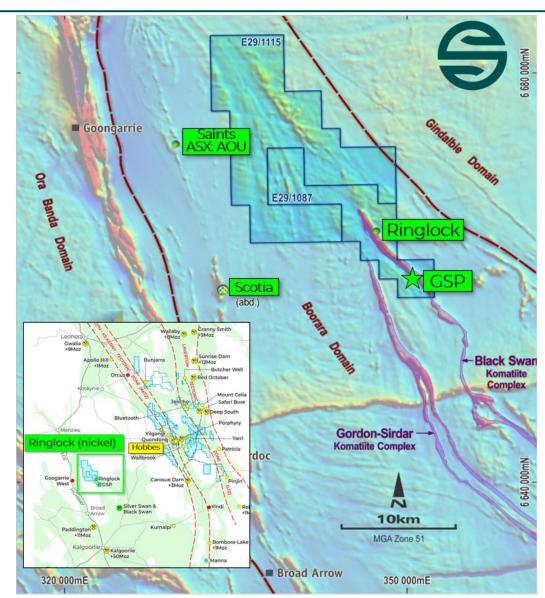
Strike extension of the Black Swan Komatiite Complex - 30km along strike from high-grade **Silver Swan** massive nickel sulphide deposit (previous UG production 2.7Mt @ 5.1% Ni<sup>1</sup>)

10km ultramafic trend, two areas of known Ni sulphide mineralisation in historical drilling: **GSP** and **Ringlock**, both open to depth

New high-grade Ni sulphide hits and **best-ever intercept** of **1.81m @ 18.1% Ni<sup>2</sup>** establish GSP as genuine high-tenor nickel system

Fertile ultramafic terrain, historical **Scotia** nickel mine and **Saints** nickel sulphide resource (ASX: AOU) to west

1.Source: Poseidon Nickel Presentation – Australian Nickel Conference 5 October 2021 2. ASX: SLS 10th March 2023 (High Grade Nickel Sulphide Drill Results at GSP Prospect)



#### Ringlock Project. GSP Prospect.

**GSP** is the most advanced target with new high-grade hits adding to understanding of historical nickel sulphide intercepts<sup>1</sup>

8.0m @ 2.4% nickel from 113.4m (Inc. 1.5m @ 6.8%) (GS033)

2.9m @ 2.9% nickel from 166.7m (GS013)

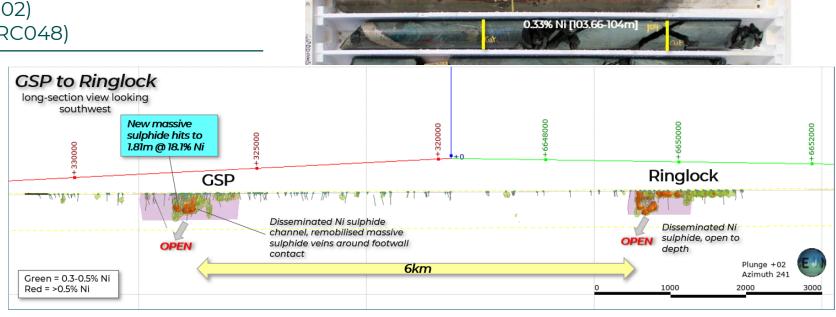
4m @ 2.3% nickel from 104m (MJRC047)

6m @ 2.3% nickel from 85m (RPD002)

4.0m @ 1.4% nickel from 145m (MJRC048)

Solstice first drill program<sup>2</sup> hit high-tenor nickel-sulphide veins at or near footwall contacts, with best result of **1.81m @ 18.1%** nickel from 101.85m (GSPDD0005)

**Ringlock**: historical disseminated sulphide intercepts open to depth



Downhole

0.12% Ni [100-100.35m]

0.70% Ni [101.00-101.85m]

<mark>||</mark> П01.85-102.62ml

1.04m @ 14.1% Ni [102.62m-103.66]



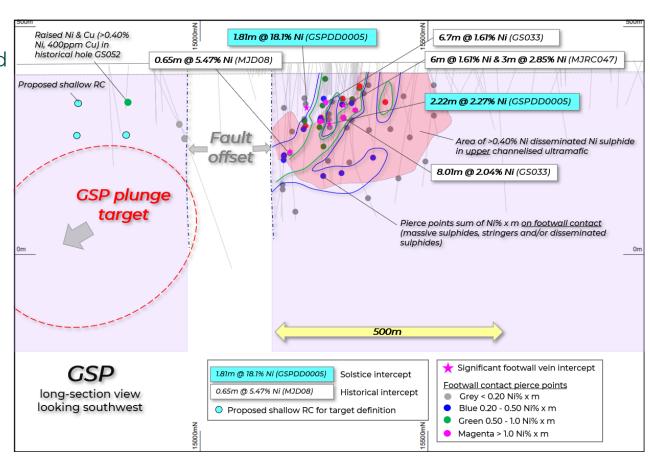
#### **GSP Prospect. Next steps**

Technical team has used new results to update and build on GSP geological model – determine mineralised (disseminated Ni sulphides) flow geometry and vectors to intact footwall massive sulphide targets

Identified south-plunging GSP 'corridor' and exciting plunge extensional target on south side of Owen Fault<sup>1</sup>

Shallow RC drill-testing to refine target south of Owen Fault, then focussed diamond drilling + downhole EM

Ringlock: diamond drill test any priority targets close to historical disseminated nickel sulphide zones





# Ponton Project. New frontier Exploration



#### Ponton Project.

Located 200km NE of Kalgoorlie in gneiss terrain

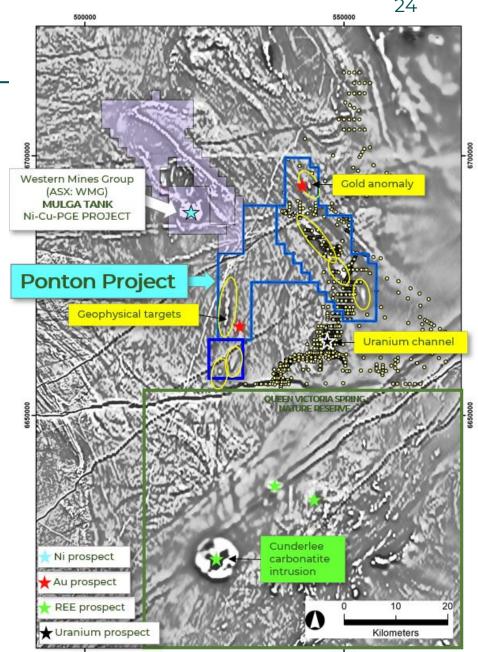
Largely unexplored, frontier opportunity at margin of Yilgarn Craton

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.



# Near term news flow and upcoming catalysts.



Gold and REO aircore drilling of prime soilcovered structural targets, lithium field work



Ringlock Dam Nickel Sulphide follow-up drilling – new target corridor



Regional: identification and ranking of new gold targets, advance Li, REO and other metals potential



Ongoing review and assessment of new corporate development opportunities

#### **SUMMARY**

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

Advanced Hobbes Gold Project
– significant supergene and
primary gold mineralisation
177koz Mineral Resource a
strong start

Next door to existing infrastructure, offers commercial outcomes?

Compelling new structural targets for first-stage testing

Established nickel sulphide mineralisation at Ringlock Dam provides second focus with open sulphide systems, and plunge targets

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

Robust cash position allows corporate development opportunities



# Thank you.