

## Commencement of Drilling at Hobbes, Eastern Goldfields and Appointment of Chief Geologist

Solstice Minerals Limited (**Solstice Minerals** or the **Company**) is pleased to announce the commencement of a drilling program at the Hobbes Gold Prospect (**Hobbes**) in which the Company holds an 80% interest. Hobbes is located approximately 5km southwest of Northern Star Limited's Porphyry Mining Centre and within the Company's Yarri Project, in Western Australia.

The planned program comprises up to 5,935m of reverse circulation (**RC**) drilling and 2,205m of diamond drilling. It is estimated that the program will take approximately two months to complete. The primary objective of the drilling is to infill the drill hole density within the central 450m strike length of the prospect to 50m spaced centres, to support a maiden Mineral Resource Estimate (**MRE**). Drilling will also be undertaken along strike to the north and south of the main prospect to explore for extensions to the supergene and primary mineralisation.

Solstice Minerals is also pleased to announce the recent appointment of Mr John McIntyre as Chief Geologist at the Company. Mr McIntyre is an exploration geologist with over 35 years of extensive operational experience. He has been involved in exploration project management and execution both in Australia and internationally.

Solstice Minerals' Executive Director, Mr Alastair Morrison said:

*"We are very excited to have John's expertise as we commence our first drilling program after a successful IPO in early May. The drilling at Hobbes represents an excellent opportunity to further define known mineralisation and deliver a maiden MRE. We believe that there is great potential at Hobbes to both extend the supergene mineralisation as well as define significant primary mineralisation beneath".*

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

### For further information please contact:

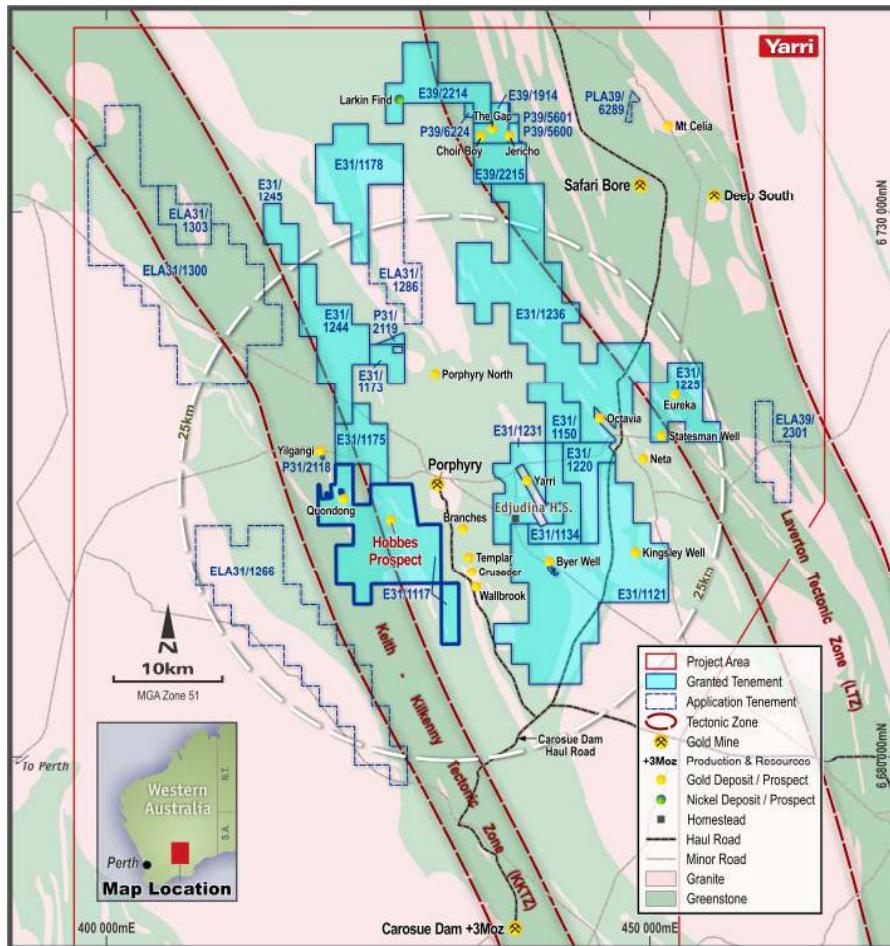
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## Hobbes Gold Prospect, Yarri Project

The Hobbes Prospect is within the Company's Yarri Project approximately 150km northeast of Kalgoorlie between the Keith-Kilkenny Tectonic Zone and the Laverton Tectonic Zone (**Figure 1**).



**Figure 1: Location map of the northern portion of the Yarri Project (applications in ballot not shown)**

Hobbes was discovered by Newcrest Mining Limited in 2003 and has previously been the subject of approximately 14,000m of (mainly) RC drilling. The previous drilling outlined a sub-horizontal supergene gold blanket, overlying zones of more steeply dipping primary gold mineralisation (**Figure 2**).

The supergene blanket extends over a northwest-southeast strike of at least 1km and is up to 400m in width and 30m in thickness. Drilling within the supergene blanket has in places returned higher grade intercepts (eg, 22m @ 3.22g/t gold from 45m, HOBR0002) (**Figure 3**).

The primary mineralisation has been identified over at least 550m of strike length beneath the supergene blanket, but has been more sparsely tested with wider spaced drill holes and limited deeper drilling. Encouraging primary gold mineralisation has been intercepted in previous drilling (eg., 25m @ 2.52g/t gold from 87m, NHD002), with evidence of multiple stacked zones.

Preliminary metallurgical testwork results from Hobbes have previously returned encouraging combined gravity and cyanide soluble gold recovery results of 97% and 89% for oxide and primary gold mineralisation, respectively (Hole NHD002).

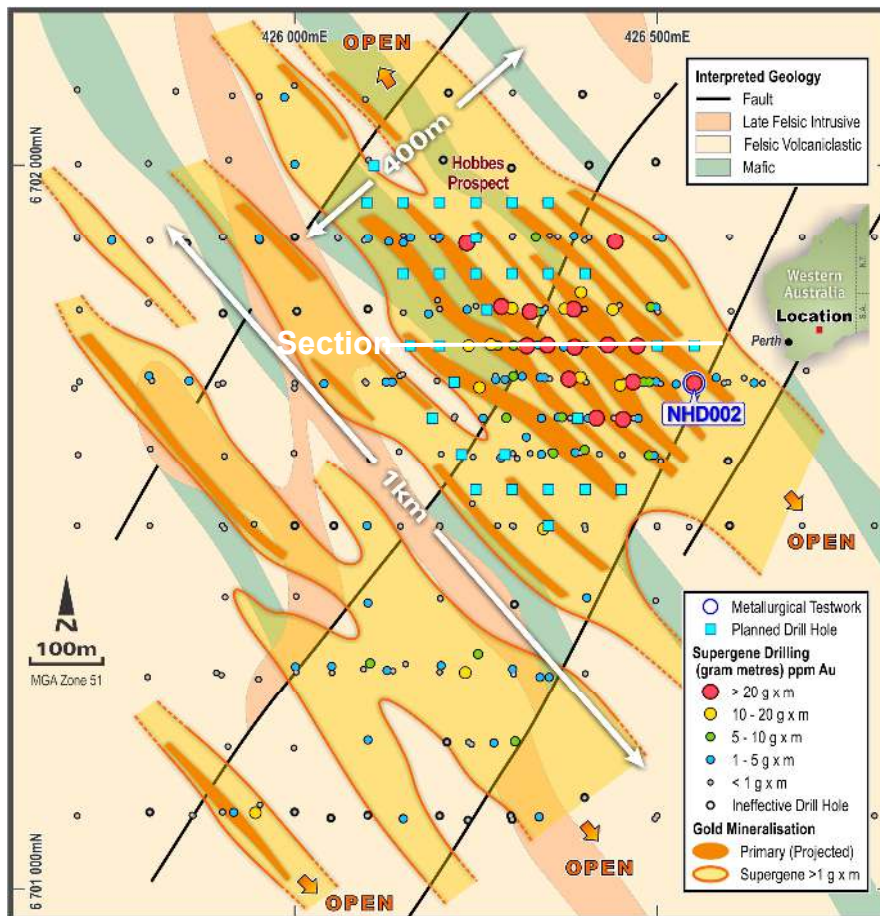


Figure 2: Hobbes supergene blanket with planned drill hole locations

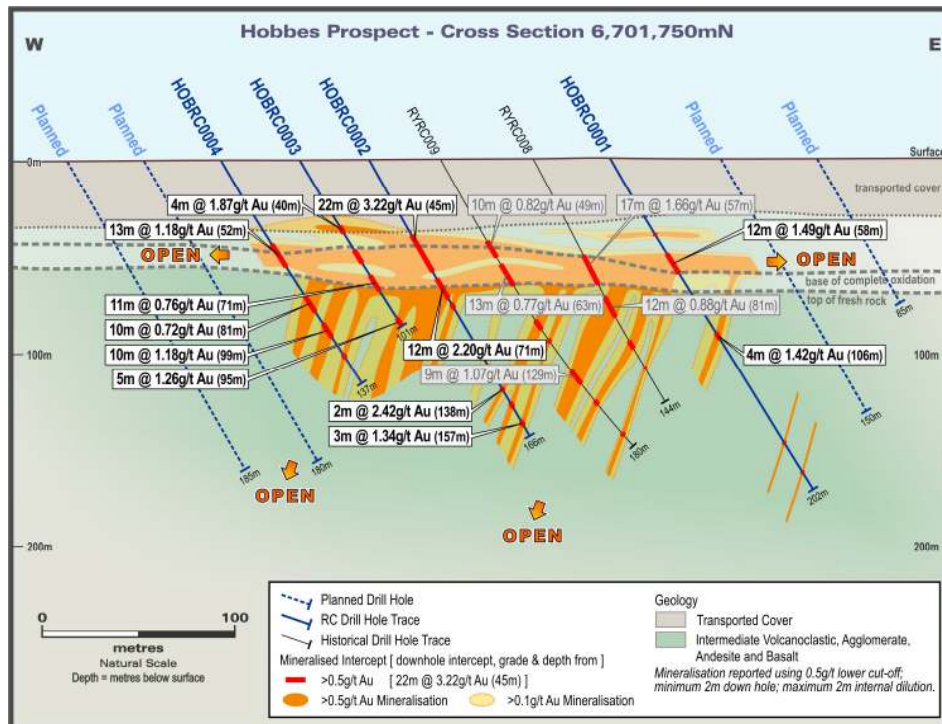


Figure 3: Hobbes cross-section with planned drill hole locations



### **Drilling Program**

The planned program comprises up to 5,935m of RC drilling and 2,205m of diamond drilling and is estimated to take approximately two months to complete. The primary objective of the drilling is to infill the drill hole density within the central 450m strike length of the prospect to 50m spaced centres, to support a maiden MRE. Drilling will also be undertaken along strike to the north and south of the main prospect to explore for extensions to the supergene and primary mineralisation (**Figures 2 & 3**).

### **Appointment of Chief Geologist**

Solstice Minerals is also pleased to announce the recent appointment of Mr John McIntyre as Chief Geologist at the Company. Mr McIntyre is an experienced exploration geologist with over 35 years in multi-commodity minerals exploration in Australia and Tanzania, including in Archaean gold, VMS, Li, and Ni- PGE deposits, Proterozoic Au-Cu, base metal and IOCG deposits and Palaeozoic gold and VMS deposits. This experience covers all facets of exploration from project generative work through to resource definition, with a special emphasis on using modern geological, geophysical and litho-geochemical tools and methods to discover and develop mineral deposits.

Prior to joining Solstice Minerals, Mr McIntyre was Exploration Manager for Greatland Gold PLC (**Greatland**), leading exploration in the Paterson Province following Greatland's discovery of the Havieron gold copper deposit, after running a mineral exploration consulting business from 2007 to 2020. He was also a foundation director of Chalice Mining Limited and Liantown Resources Ltd until 2007. While working for Hunter Resources Ltd in the late 1980's and early 1990's, Mr McIntyre was involved in the discovery of the Nimary-Jundee gold mine in WA and a member of the exploration team associated with the Ernest Henry copper-gold mine, Mertondale and Dalgaranga gold mines, and Munni Munni PGE deposit.



## ABOUT SOLSTICE MINERALS LIMITED

Solstice Minerals is a minerals exploration company with gold and base metal projects in the Eastern Goldfields of Western Australia. Solstice Minerals has been listed on the Australian Securities Exchange since 2 May 2022 and trades under the code 'SLS'. The company is well funded with no debt. Solstice Minerals' key projects are the Yarri (including Hobbes gold prospect), Kalgoorlie (including Ringlock Dam nickel sulphide prospect), Yundamindra and Ponton projects.

### Forward-Looking Statements

This announcement may contain certain forward-looking statements, guidance, forecasts, estimates, prospects, projections or statements in relation to future matters that may involve risks or uncertainties and may involve significant items of subjective judgement and assumptions of future events 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 announcement 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 announcement 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.

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### Compliance Statement

The information in this announcement that relates to Exploration Results is extracted from the Solstice Minerals Prospectus dated 14 March 2022 (**Prospectus**) which is available at [www.solsticeminerals.com.au](http://www.solsticeminerals.com.au). Solstice Minerals confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus and that all material assumptions and technical parameters underpinning the Exploration Results in the Prospectus continue to apply and have not materially changed. Solstice Minerals confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the Prospectus.