

## Aircore Drilling Starts at Greenfield Gold Targets - Yarri Project

### Highlights

- Solstice Minerals Limited (Solstice or the Company) (ASX: SLS) is pleased to announce first stage aircore drilling is underway at its Bunjarra and Kildare gold targets in the northern Yarri Project.
- Drilling is part of an ongoing strategy to test new 'stand-alone scale' gold targets – typically structural positions where shallow (<40m) transported soil cover has prevented effective historical exploration.
- Targets lie in established, highly gold endowed, greenstone belts and are well supported by favourable geology and drill intersected gold mineralisation along strike.
- Pipeline of similar targets available for future fast, low-cost initial drilling.

Solstice Minerals' Chief Executive Officer and Managing Director, Mr Nick Castleden said:

"Solstice has a terrific landholding at Yarri covering structural corridors with proven endowment and pathways to production. Our compilation work is highlighting areas where past exploration may have found 'smoke' but has not effectively tested along-strike positions. Typically, these targets are under shallow transported cover and suitable for cost-effective aircore testing. We prioritise targets that have space to fit a stand-alone scale gold system and it is always exciting to be doing this style of high-impact first-stage exploration work".

### Aircore Drilling Underway

The **Bunjarra** and **Kildare** gold targets lie approximately 70km northwest of the Company's 177,000oz<sup>1</sup> **Hobbes** gold deposit and Northern Star Minerals' (ASX: NST) **Porphyry** mining centre, and 20km east of Saturn Metals' (ASX: STN) 1.84Moz<sup>2</sup> **Apollo Hill** gold deposit. Both areas lie in promising structural settings, have indications of gold mineralisation in on-strike positions, and are covered by a blanket of shallow transported alluvial material that has limited the effectiveness of previous exploration.

<sup>1</sup> Refer to ASX: SLS 22 March 2023 "Robust Maiden Gold Mineral Resource at Hobbes".

<sup>2</sup> Refer to ASX: STN 28 June 2023 "Apollo Hill Gold Resource Upgraded to 1.84Moz".

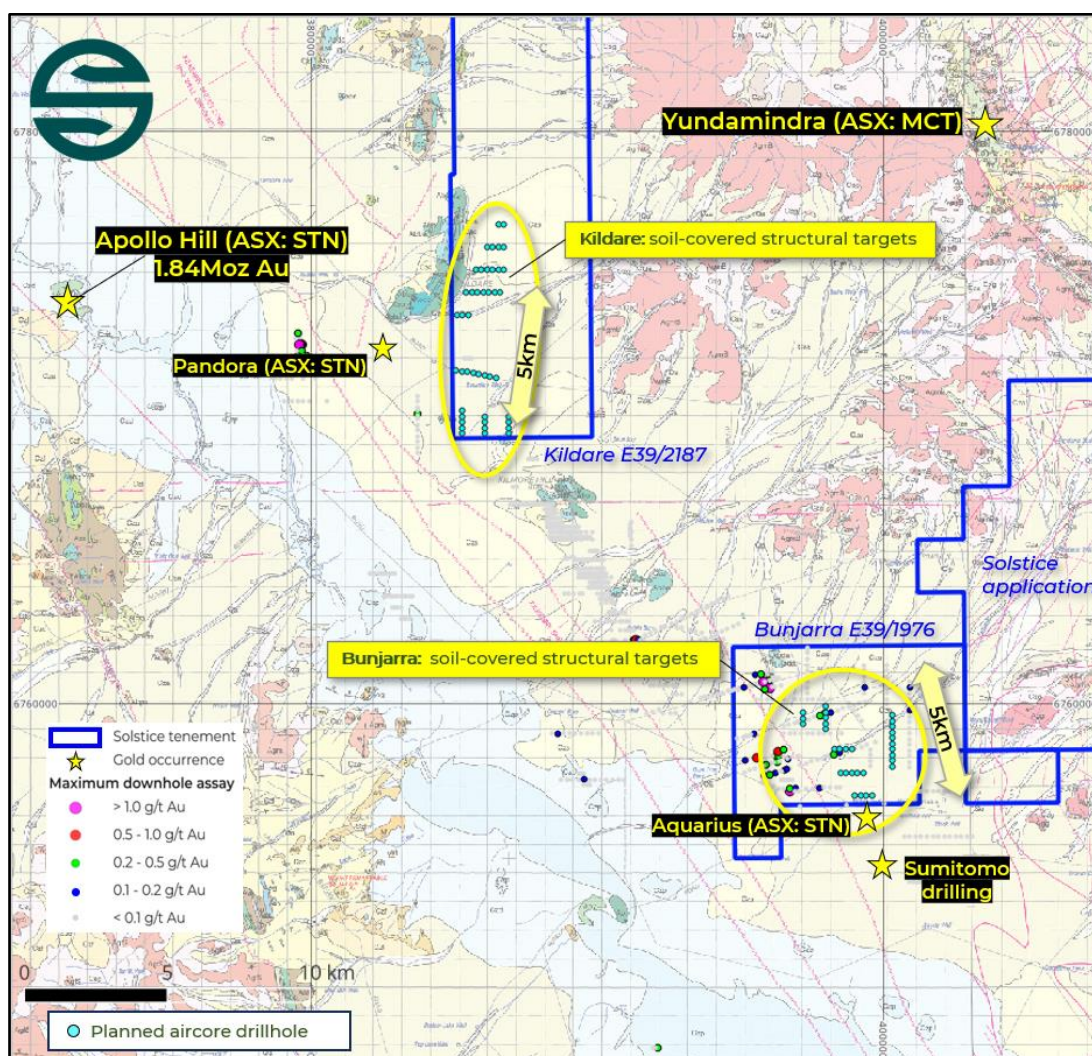


This style of target is best tested via aircore drilling, a rapid and cost-effective drilling technique that can reveal gold and pathfinder mineralisation in the weathering profile as well as adding valuable bedrock information. The planned program comprises approximately 70 holes at 800m traverse spacing (Figures 1 and 2) for approximately 5,000m of drilling.

The drilling component of the program is expected to take around two weeks to complete, and analytical results will be reported as they are compiled and validated.

## Bunjarra

Historical reconnaissance scale drilling at Bunjarra has established that this structurally complex target area is gold bearing, as shown by gold anomalism in a number of places including significant results<sup>3</sup> of 1m @ 14.8g/t Au, 2m @ 2.42g/t Au and 4m @ 1.06g/t Au. Importantly, the central and south-eastern portions of the tenement are under-tested, including the strike extensions of a structural corridor that hosts gold mineralisation to the south (Saturn Metals' **Aquarius** Prospect<sup>4</sup>, and extensive drilling by Sumitomo Metal Mining – see inset in Figure 2).



**Figure 1: GSWA 1:100,000 scale geological mapping showing tenure, historical drilling and planned aircore traverses in areas of transported cover (pale yellow).**

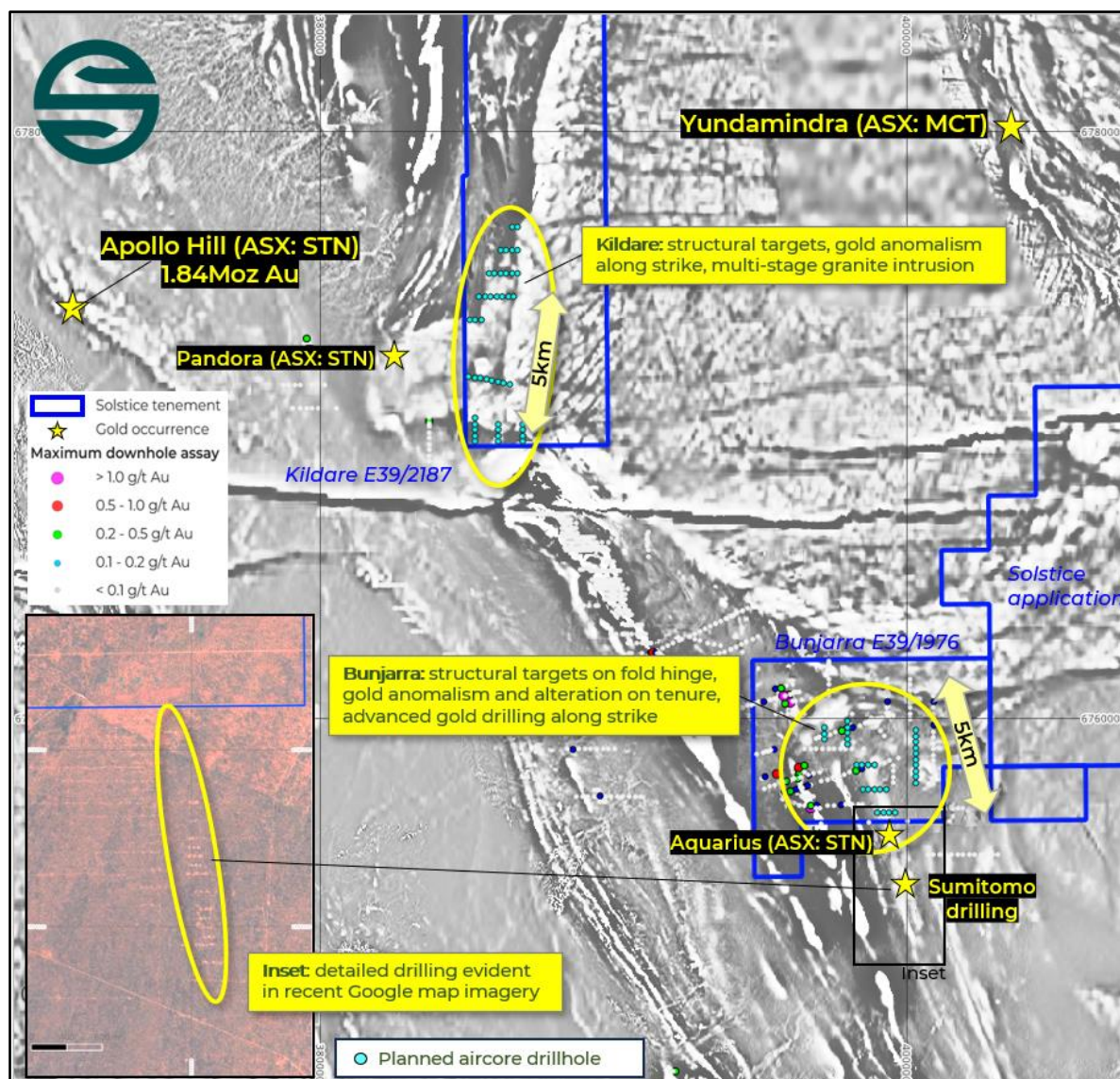
<sup>3</sup> Refer to ASX: SLS 14 March 2022 ("Prospectus").

<sup>4</sup> Refer to ASX: STN 16 June 2022 ("Exciting Regional Drill Results – Apollo Hill Gold Project").



## Kildare

The Kildare target area is unexplored and is centred over strong north trending structures that flank and cut a multi-stage granite intrusive complex (Figure 2). Prospectivity is enhanced by gold mineralisation at Saturn Metals' **Pandora** gold prospect<sup>5</sup> located 3km to the west, and by gold workings in outcrop immediately to the west.



**Figure 2: Historical drilling and planned aircore traverses on aeromagnetic imagery. Note Google Earth inset showing drilling activity by Sumitomo Metal Mining in the area along strike to the south.**

## Emerging Targets

Solstice's geological team is continuing an active field exploration, compilation and target validation push to bring forward the next tier of high-quality targets for prioritisation and first-pass aircore drill-testing. The Company sees excellent potential to identify new stand-alone scale gold systems in under-

<sup>5</sup> Refer to ASX: STN 20 April 2023 ("March 2023 Quarterly Activities Report").



explored structural and lithological target areas, particularly below the widespread transported cover at the **Boyce, Lake Roe, Ponton** and **Wallbrook East** prospect areas. Other known but under-drilled gold systems such as **Statesman Well** and **Bluetooth** offer strong potential for 'bolt-on' ounces to support the Hobbes MRE. New gold, rare earth and lithium targets will continue to emerge as the geological team works through historical data.

Further heritage clearances are planned in coming months, with aircore drilling to commence as each target area is cleared and prepared.

This announcement has been authorised for release by the Board.

**For further information please contact:  
Nick Castleden - CEO & Managing Director  
T: +61 (8) 9200 1838**



***Figure 3: Aerial Image of Aircore Drilling***

## **ABOUT SOLSTICE MINERALS LIMITED**

Solstice is a minerals exploration company with gold and base metal projects in the Eastern Goldfields of Western Australia (Figure 4). Solstice has been listed on the Australian Securities Exchange since 2 May 2022, when Solstice demerged from OreCorp Limited, and trades under the code 'SLS'. The Company is well funded with no debt.

The Company's key projects are the extensive Yarri gold landholding (which includes the 177,000oz Hobbes Gold Project), Ringlock Dam and the Ponton early-stage gold project.

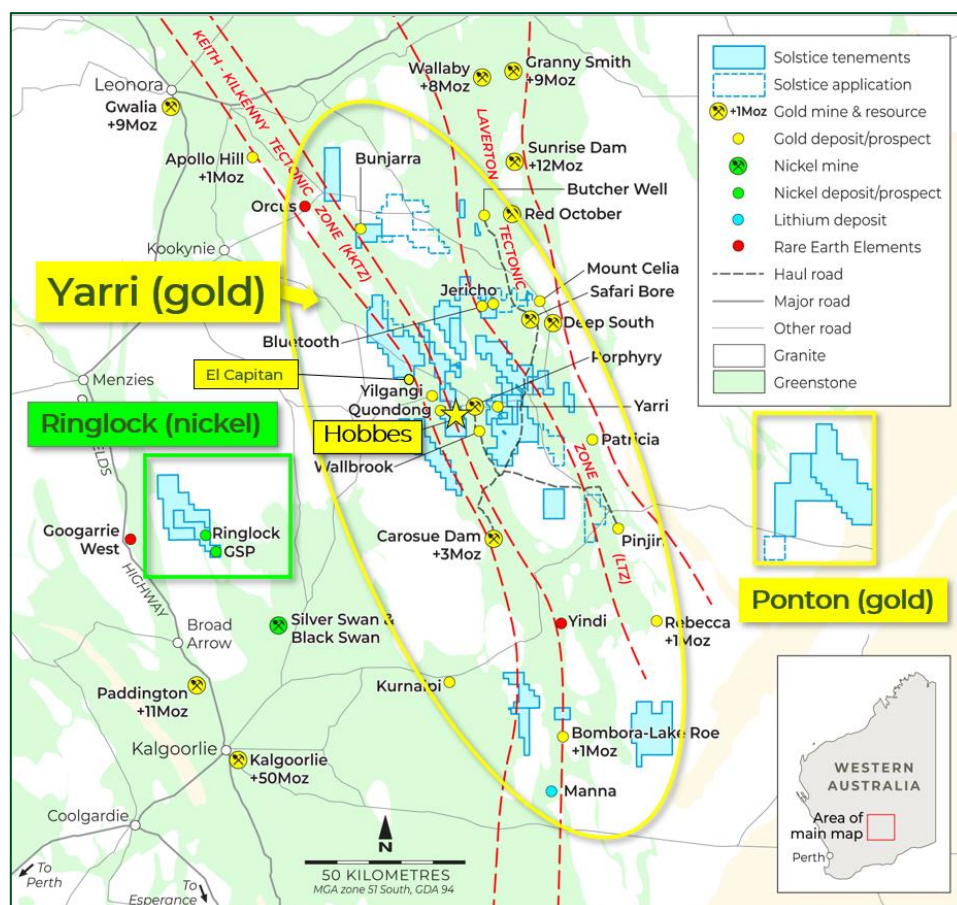


Figure 4: Solstice's Eastern Goldfields Projects

## 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.

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## Compliance Statement - Previously Reported Results

The information in this announcement that relates to Exploration Results and Estimates of Mineral Resources is extracted from the ASX announcements (**Original Announcements**) 22 March 2023 (“Robust Maiden Gold Mineral Resource at Hobbes”), and 14 March 2022 (“Prospectus”) which are available at [www.solsticeminerals.com.au](http://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, in the case of Estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates 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 announcement.