

## Ponton Project Extended

### Highlights

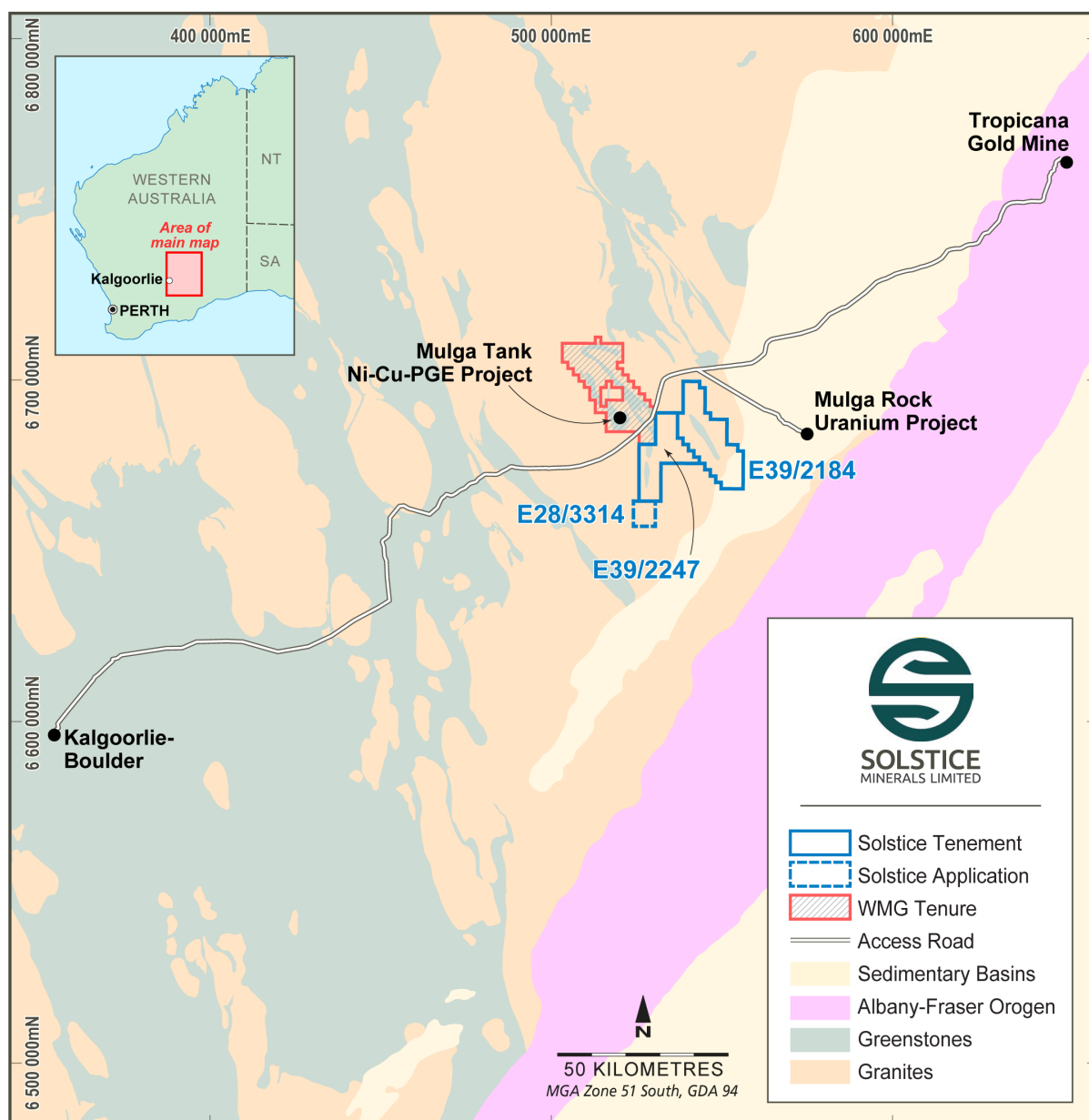
- **Solstice Minerals Limited (Solstice or the Company) (ASX: SLS) is pleased to provide an update on the Ponton Project (Solstice 100%), located 200km northeast of Kalgoorlie and immediately to the south and southeast of Western Mines Group's (ASX: WMG) Mulga Tank Ni-Cu-PGE Project**
- **The Ponton Project (Project) is considered to have good greenfield gold, base metals and Rare Earth Elements prospectivity, with established gold geochemical anomalism awaiting first-pass drilling as well as a series of unexplored geophysical targets that lie below transported cover**
- **An adjoining Exploration Licence application has been lodged to cover discrete, high-intensity aeromagnetic anomalies potentially related to carbonatite or mafic/ultramafic intrusions**
- **Aeromagnetic and gravity data suggests the extent of remnant greenstone terrane within the Project is more extensive than previously interpreted**
- **Validation aircore drilling is planned following Heritage clearance**

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

*"Solstice has further strengthened its land position in this new frontier exploration Project, and we look forward to getting first-stage short-hole drilling into a range of untested geophysical targets and coherent gold-in-soil anomalism. Greenfield work in interesting structural and geophysical locations always has the potential to surprise and makes for exciting exploration. We are now progressing the required heritage and access steps ahead of this work".*

The Ponton Project covers an under-explored segment of felsic gneiss and greenstone terrane located in the south-eastern Goldfields close to the margin of the Archaean Yilgarn Craton (Figure 1), a geological setting known to host large nickel and gold deposits. The Project was acquired based on geophysical interpretation and covers a trail of aeromagnetic anomalies extending in two structural corridors to the south of the Minigwal greenstone belt (Figure 2). Aeromagnetic anomalies are coincident with local gravity highs. The Minigwal greenstone belt hosts emerging Ni-Cu-PGE mineralisation at the Western Mines Group Ltd's Mulga Tank Project (ASX: WMG).

Exploration in the area remains at an early stage, with most of the historical drilling being designed to test for paleochannel-hosted uranium mineralisation with little focus on underlying basement geology. In places where historical drilling has targeted gold mineralisation, line-spacing is at reconnaissance scale (up to 1.4km apart) and has not specifically tested aeromagnetic features (Figure 2).

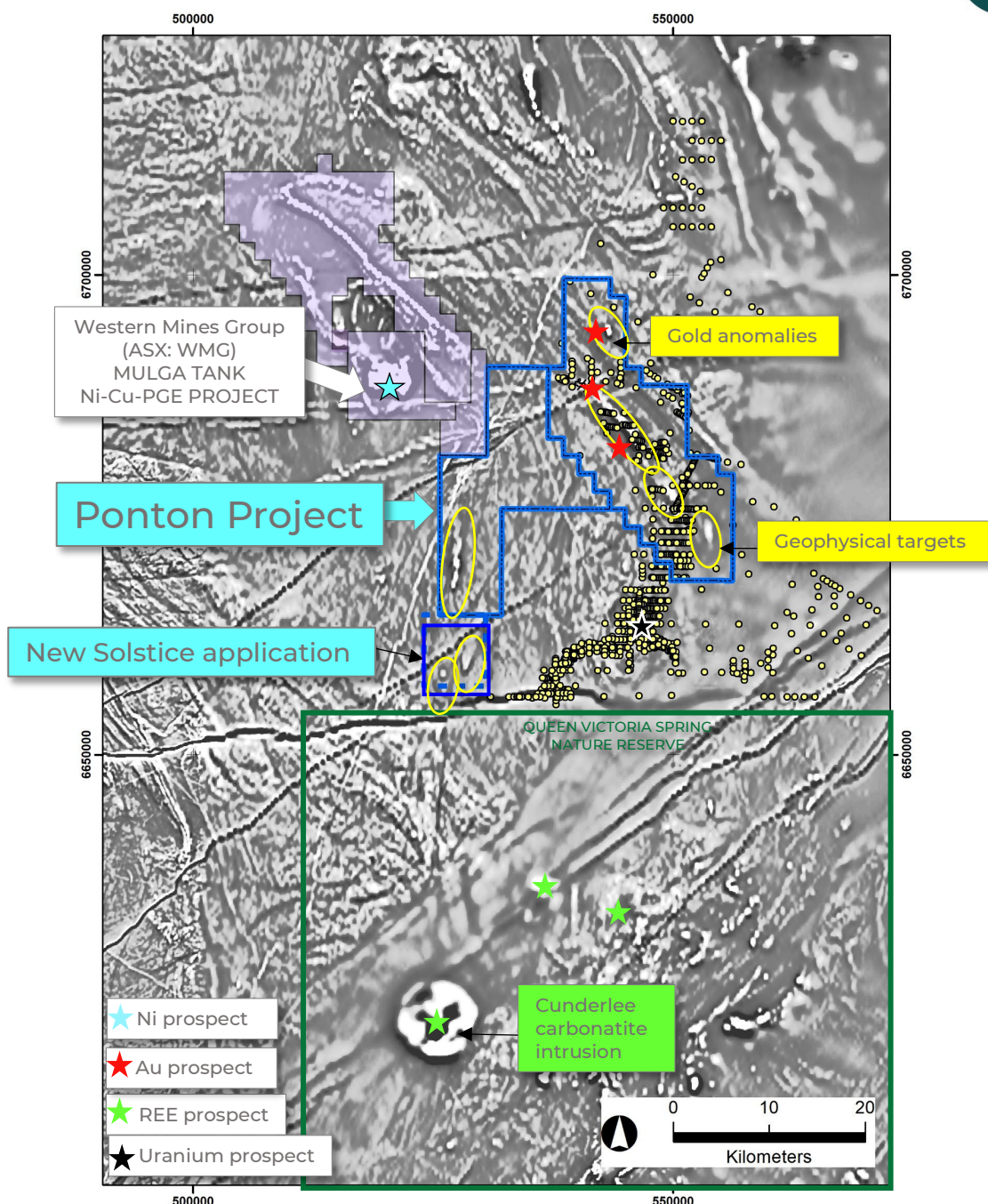


**Figure 1: Ponton Project regional location and geological setting**

### Geophysical Targets

Coincident aeromagnetic and gravity features on the tenements are for the most part, unexplored below transported cover. The source of these features is uncertain but potential options include slices of mafic, ultramafic and or iron-rich sedimentary rocks in gneissic terrain extending from the Minigwal greenstone belt, or local intrusions (mafic/ultramafic, alkaline or carbonatite) that have utilised the structural corridors evident in regional magnetics. The Project is therefore considered to have greenfield potential for a range of mineral styles including Ni-Cu-PGE mineralisation, Rare Earth Elements (REE) and shear-hosted gold.

The Company notes that the prominent Cunderlee carbonatite intrusion and associated REE-bearing dykes are located immediately south of the Project, and it is possible that related intrusions extend into the adjacent Yilgarn Craton. Solstice has applied for an exploration licence (ELA28/3314) specifically to cover discrete, high-intensity aeromagnetic anomalies on a north-south structure that extend to the Cunderlee carbonatite intrusion (Figure 2).



**Figure 2: Ponton Project (blue outlines), geophysical targets (yellow outlines), regional metals prospects (stars) and all historical drill collars<sup>1</sup> (yellow dots) on TMI imagery.**

### Gold Targets

Whilst the area is obscured by transported cover, past drilling has demonstrated that this cover can be very shallow in places and therefore suitable for surface geochemical sampling in those areas. Solstice initiated UltraFine fraction (**UFF**) surface sampling in 2021 targeting discrete aeromagnetic anomalies in the north-eastern part of the Project, and follow-up sampling was carried out during 2022. This work defined several subtle but coherent gold-in-soil anomalies<sup>2</sup>, refer to Figure 3.

<sup>1</sup> For historical drill collars refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Mineral Exploration Drillholes  
<sup>2</sup> Refer to SLS ASX announcements dated 14 March 2022 (“Prospectus”) and 14 July 2022 (“Significant Gold Anomalies Confirmed by Infill Soil Sampling at the Nippon Licence, Ponton Project”)





A 1.7km x 0.5km zone of consistent gold anomalism up to 19.3ppb Au in the north of the Project (**Nelson Prospect**) correlates closely with a discrete aeromagnetic anomaly and is supported bismuth, copper and molybdenum multi-element assay data.

A second 1.8km x 0.8km zone of gold anomalism, up to 14.8ppb Au (**Trafalgar Prospect**), sits 6km to the south of Nelson, at the northern end of an elongate aeromagnetic anomaly. The Trafalgar Prospect gold anomaly is strongly supported by elevated silver and copper multi-element anomalism.

A third area of gold anomalism (**Swordsman Prospect**) has contourable results to 12ppb Au and sits on a structural flexure a further 6km to the south. This anomaly is open to the south and will receive additional UFF sampling.

There is no effective historical drilling in the vicinity of these gold anomalies.

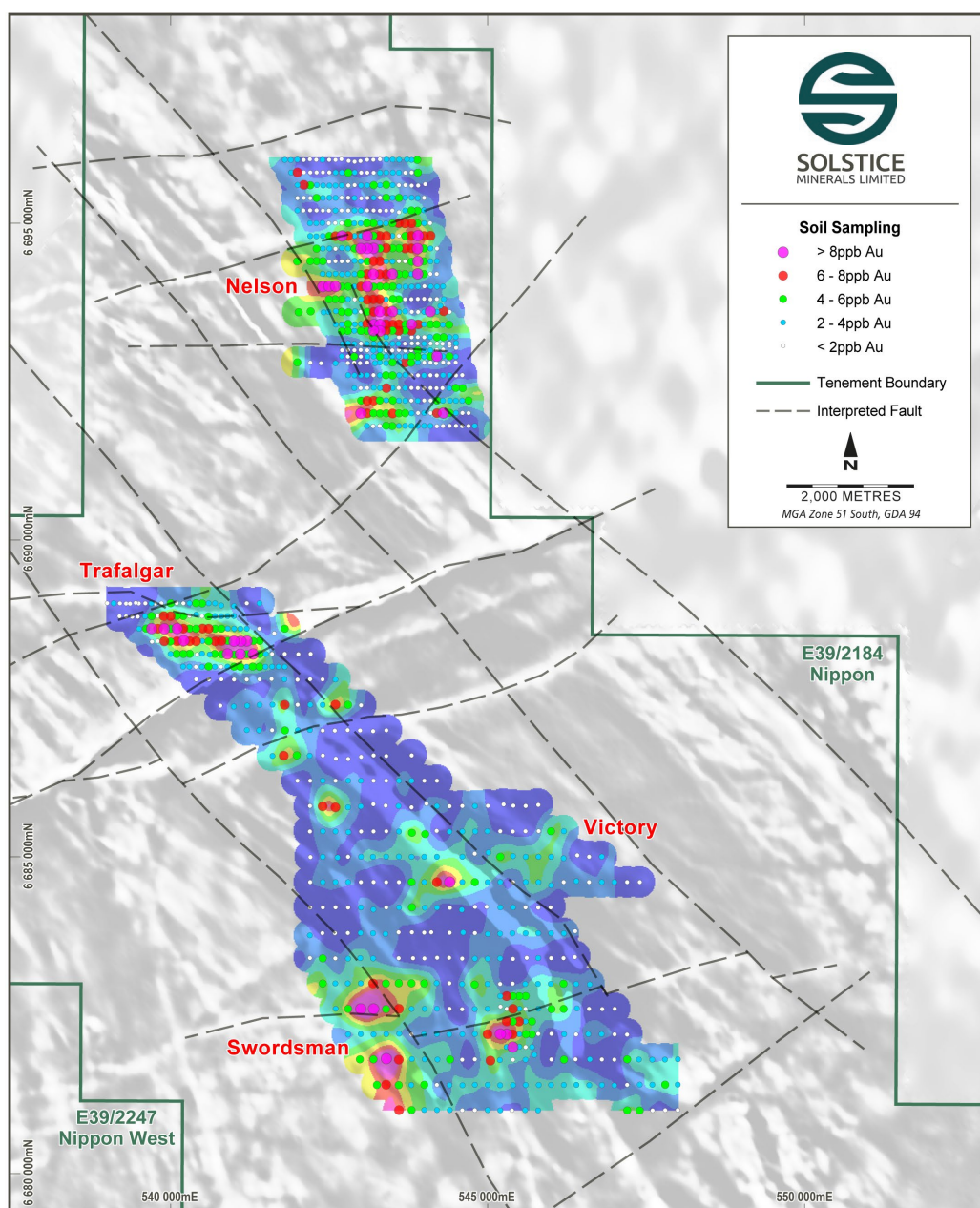


Figure 3: UFF soil sampling grid and gridded gold anomalism (ppb) overlain on RTP1VD aeromagnetic image.



## Next Steps

The Company is progressing the required environmental, heritage and access approvals ahead of initial, cost-effective aircore drill-testing. Compilation of historical exploration data, regolith profiles and structural interpretation utilising airborne magnetic, gravity and radiometric data is ongoing.

This announcement has been authorised for release by the Board.

**For further information please contact:**

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## 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). The Company's key projects are the extensive Yarri gold landholding (which includes the 177,000oz Hobbes Gold Prospect<sup>3</sup>), the advanced nickel and gold Ringlock Dam Project and the early-stage gold, base metal and REE Ponton Project.

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.

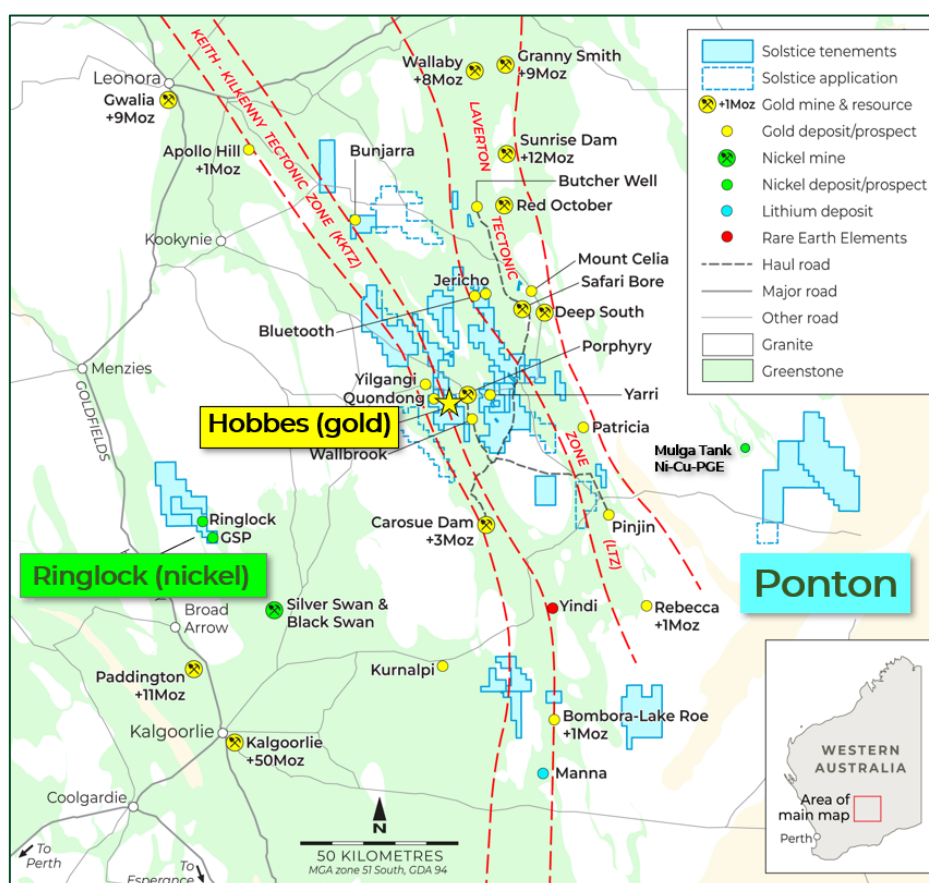


Figure 4: Solstice's Eastern Goldfields Projects

<sup>3</sup> Refer to ASX: SLS announcement 22 March 2023 ("Robust Maiden Gold Mineral Resource at Hobbes")



## 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

The information in this announcement that relates to Exploration Results has been sourced from the Company's ASX announcements dated 22 March 2023 ("Robust Maiden Gold Mineral Resource at Hobbes"), 14 March 2022 ("Prospectus") and 14 July 2022 ("Significant Gold Anomalies Confirmed by Infill Soil Sampling at the Nippon Licence, Ponton Project"). The Company confirms that it is not aware of any new information or data that materially effects the information included in the relevant market announcements.