

## Significant Mineral Resource Extension Targets Identified at Nanadie Copper-Gold Project, WA

### Highlights

- Systematic re-logging of historical drill holes and structural interpretation at the Nanadie Copper-Gold Deposit (Deposit) has identified several strong extension targets adjacent to the current Mineral Resource Estimate (MRE).
- Nanadie sits within a granted Mining Lease and is underpinned by an existing Inferred MRE of 40.4Mt @ 0.4% copper and 0.1g/t gold for 162kt of contained copper and 130koz gold<sup>1</sup>.
- The targets offer the potential to materially increase the size of the current 150m wide and 900m long mineralised system at Nanadie.
- The entire Deposit also remains open at depth.
- The south-eastern portion of the Deposit is completely unconstrained and open, with excellent potential for significant fold and/or fault repetitions to extend the host geology eastward.
- An additional opportunity has been identified to widen and deepen the Deposit to the northwest.
- The extension targets are supported by both IP and aeromagnetic responses.
- A maiden Reverse Circulation (RC) drilling program to validate these MRE extension targets is being prepared. Success in this program will pave the way for systematic RC drilling and a material MRE increase.
- Additionally, field mapping has identified shallow, soil-covered southern strike extensions of the host intrusive package that could deliver geological analogues to the main Nanadie Deposit.

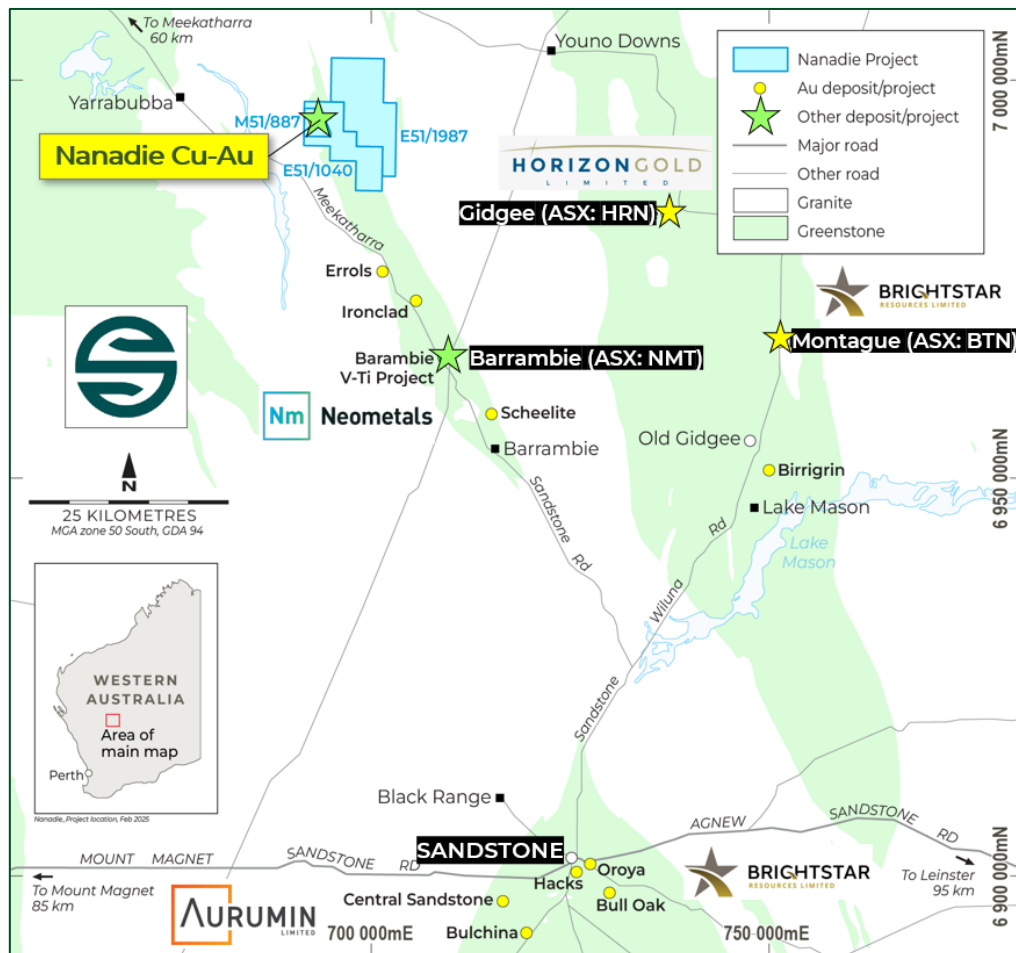
Solstice Minerals' Chief Executive Officer and Managing Director, Mr Nick Castleden, said:

*"Excellent progress is being made at Nanadie, with the first-principles review of the copper-sulphide system confirming outstanding options for MRE volume-add while also potentially guiding us toward new high-grade material as we build our understanding of the system. The team is working up a list of high-impact Phase 1 RC drill targets to line up for drilling in mid-2025. Copper continues to be viewed as having a favourable long-term supply-demand outlook, and quality growth assets with good geometry and scale, secured by granted Mining Lease tenure and with limited competing land use are very hard to find. We are confident that significant value can be created at Nanadie through considered and timely Mineral Resource expansion."*



## Nanadie Copper-Gold Project Update

Solstice Minerals Limited (ASX: SLS, **Solstice**, the **Company**) is pleased to advise that detailed geological work has identified significant resource extension drill targets at its advanced 100%-owned and drill-ready **Nanadie Copper-Gold Project**, which sits within 130km<sup>2</sup> of tenure located 100km NW of Sandstone in Western Australia (**Figure 1**).



**Figure 1: Location of the Nanadie Copper-Gold Project tenements, Murchison Mineral Field, Shire of Meekatharra.**

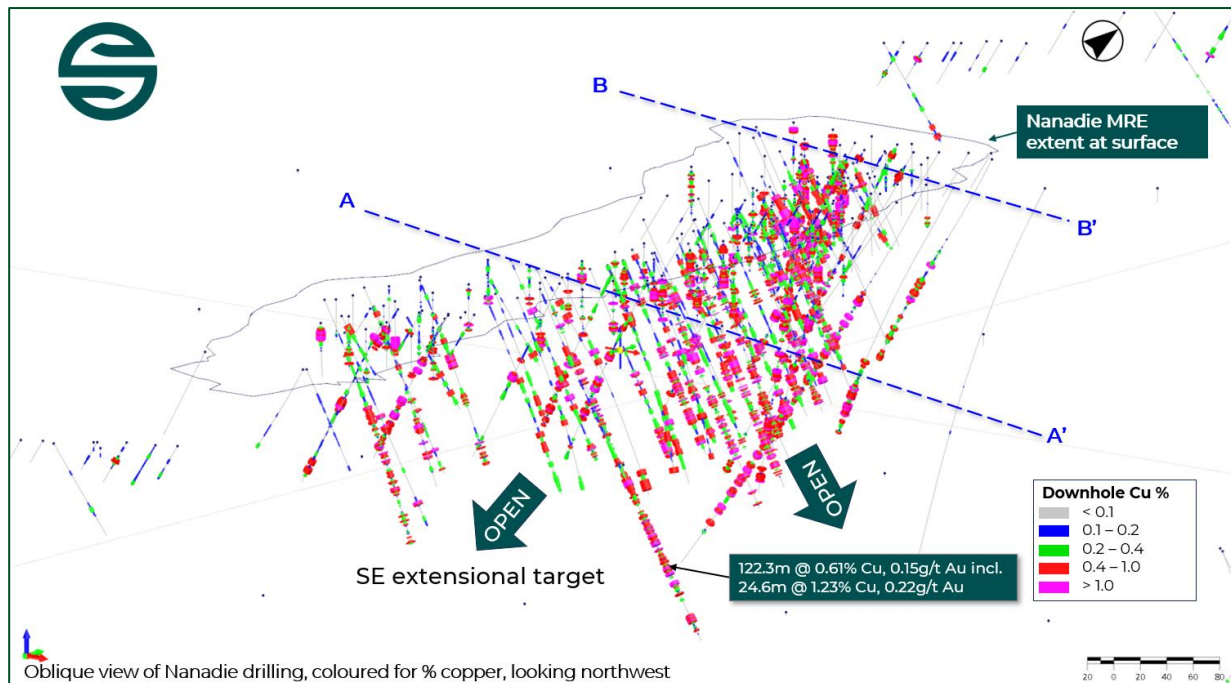
Systematic re-logging of historical drill holes by Solstice geologists has built a revised picture of the copper-gold mineralisation and host mafic intrusive package and has generated an updated structural interpretation which opens up compelling step-out expansion targets beyond the margins of the current MRE.

In particular the south-eastern portion of the Deposit (**Figure 2**) remains unconstrained at the margins of drilling information and offers additional potential for fold and/or fault repetitions to extend the host geology eastward. Drillholes in this portion of the MRE are often mineralised to the end of hole, demonstrating the potential to widen and extend the system (**Figure 3**).

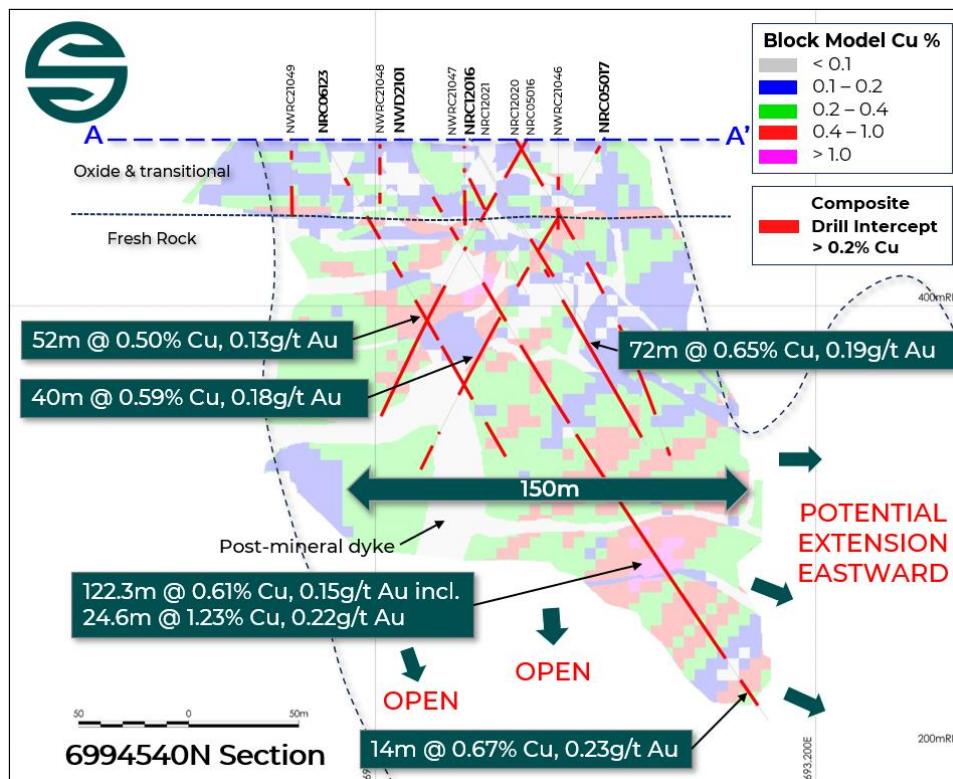
Further opportunity has also been observed toward the northwestern edges of the Deposit where revised structural interpretation shows the potential to extend the mineralisation toward the west and downward (**Figure 4**).



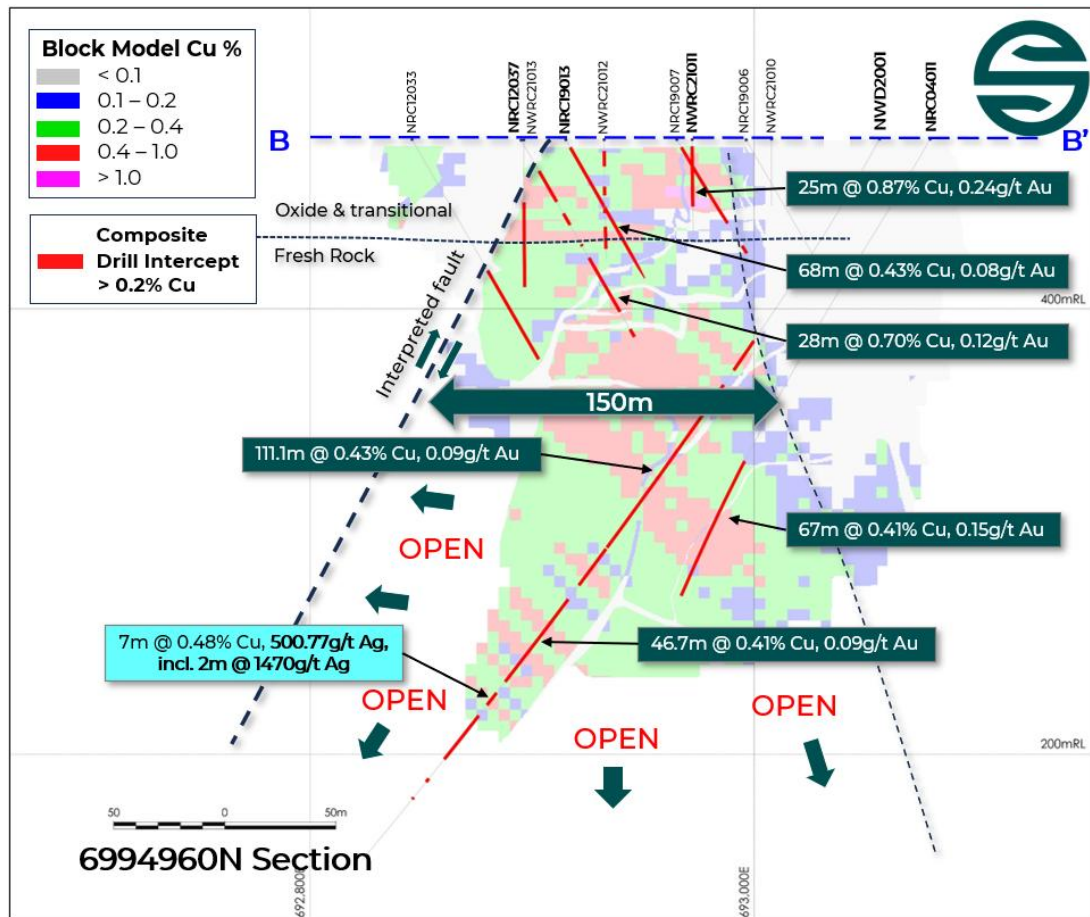
Both of these target areas are supported by IP and magnetic responses, and the entire Nanadie Deposit remains open at depth.



**Figure 2. Nanadie Deposit oblique view of all drilling showing downhole copper values<sup>1</sup>, and target laterally toward the south-east (arrows). Note the limited number of unmineralised drillholes to constrain the system along strike and at depth.**



**Figure 3. Nanadie Project cross-section 6994540N showing the 2022 MRE block model and all drill traces along with selected copper-gold intercepts<sup>1</sup> and potential directions for MRE expansion.**



**Figure 4. Nanadie Project cross-section 6994960N showing the 2022 MRE block model, all drill traces along with selected copper-gold intercepts<sup>1</sup>, and potential to extend and widen mineralisation to the west and at depth.**

## About Nanadie

Nanadie is situated within a granted Mining Lease approximately 100km northwest of Sandstone and is supported by an existing Inferred MRE<sup>1</sup> of **40.4 million tonnes at 0.4% copper and 0.1g/t gold**, containing **162,000 tonnes of copper** and **130,000 ounces of gold**. This represents a substantial base of strategic metals with strong future demand outlooks.

The high-grade nature of the deposit is demonstrated by numerous significant historical drill intercepts<sup>1,2</sup>, including **107.8m at 0.91% Cu and 0.24g/t Au** (NWD2003), **76m at 0.85% Cu and 0.39g/t Au** (NWD2004), **122.3m at 0.61% Cu and 0.15g/t Au** (NWD2101), and **81m at 0.79% Cu and 0.23g/t Au** (NRC05020). These results underscore the deposit's potential to deliver both scale and grade.

Mineralisation as currently defined extends from surface to beyond the current MRE depth of approximately 255m below surface and sits in a broad zone up to 150m wide by 900m long in mafic intrusive rocks.

Approximately 90% of the MRE is fresh rock mineralisation below 40m depth and comprises disseminated and remobilised veinlet style chalcopyrite (+/- pyrite and pyrrhotite) with significant zones of >1% Cu where vein density increases. Increased chalcopyrite veining is typically accompanied by significantly raised gold values.





**Table 1: Nanadie Well 2012 JORC Mineral Resource Estimate<sup>1</sup>.**

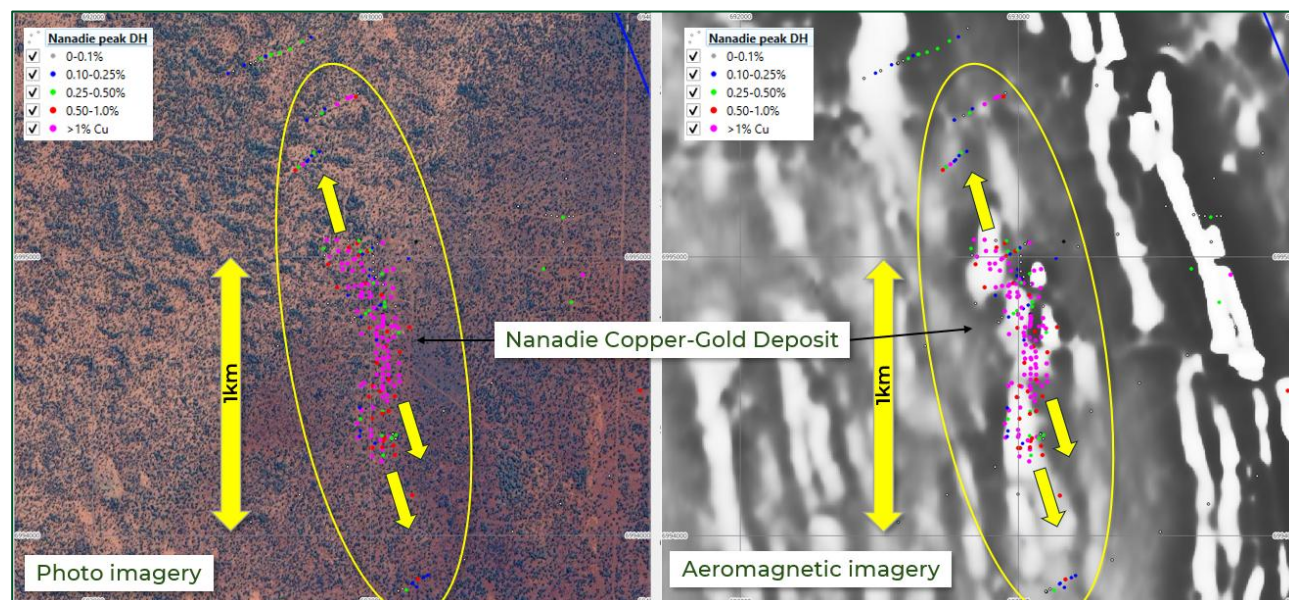
Resource Category	Material Type	Volume	Tonnes	Cu Grade (%)	Cu Metal (t)	Au Grade (g/t)	Au Metal (oz)	Ag Grade (g/t)	Ag Metal (oz)
Inferred	Oxide	1,300,000	3,500,000	0.44	16,000	0.12	2,000	0.70	74,000
	Transitional	200,000	600,000	0.45	3,000	0.12	13,000	1.50	31,000
	Fresh	11,700,000	36,300,000	0.39	143,000	0.10	115,000	1.10	1,259,000
<b>Total</b>		<b>13,200,000</b>	<b>40,400,000</b>	<b>0.4</b>	<b>162,000</b>	<b>0.10</b>	<b>130,000</b>	<b>1.00</b>	<b>1,364,000</b>

*Note: Differences in sum totals of tonnages and grades may occur due to rounding cut-off at 0.25% Cu reported grades and tonnages for all metals are estimated top-cut grades and tonnages.*

## Next Steps

**Solstice is now preparing the ground for its first-stage RC drilling program aimed at validating the expansion targets.** A successful campaign in these locations could pave the way for systematic RC drilling and material MRE increase, which would add significant value to the Project.

Additionally, recent field reviews have highlighted that the shallow, soil-covered southern strike extensions of the host intrusive package could deliver geological analogues to the main Nanadie deposit. Solstice is currently evaluating the most effective geochemical and geophysical methods to explore these prospective zones.



**Figure 5. Nanadie Deposit plan view of peak downhole Cu values in all drilling, on photo imagery (left) and detailed aeromagnetic imagery (right)<sup>1</sup>. Arrows show directions in which the MRE is open laterally and to strike.**



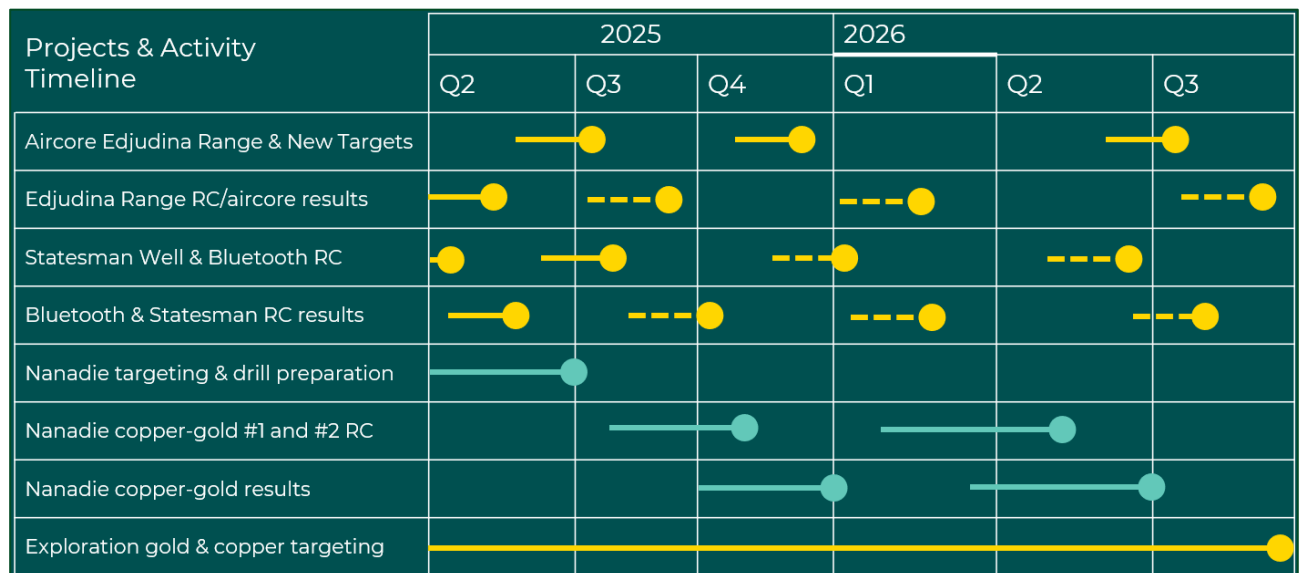
## Activity Pipeline & Newsflow

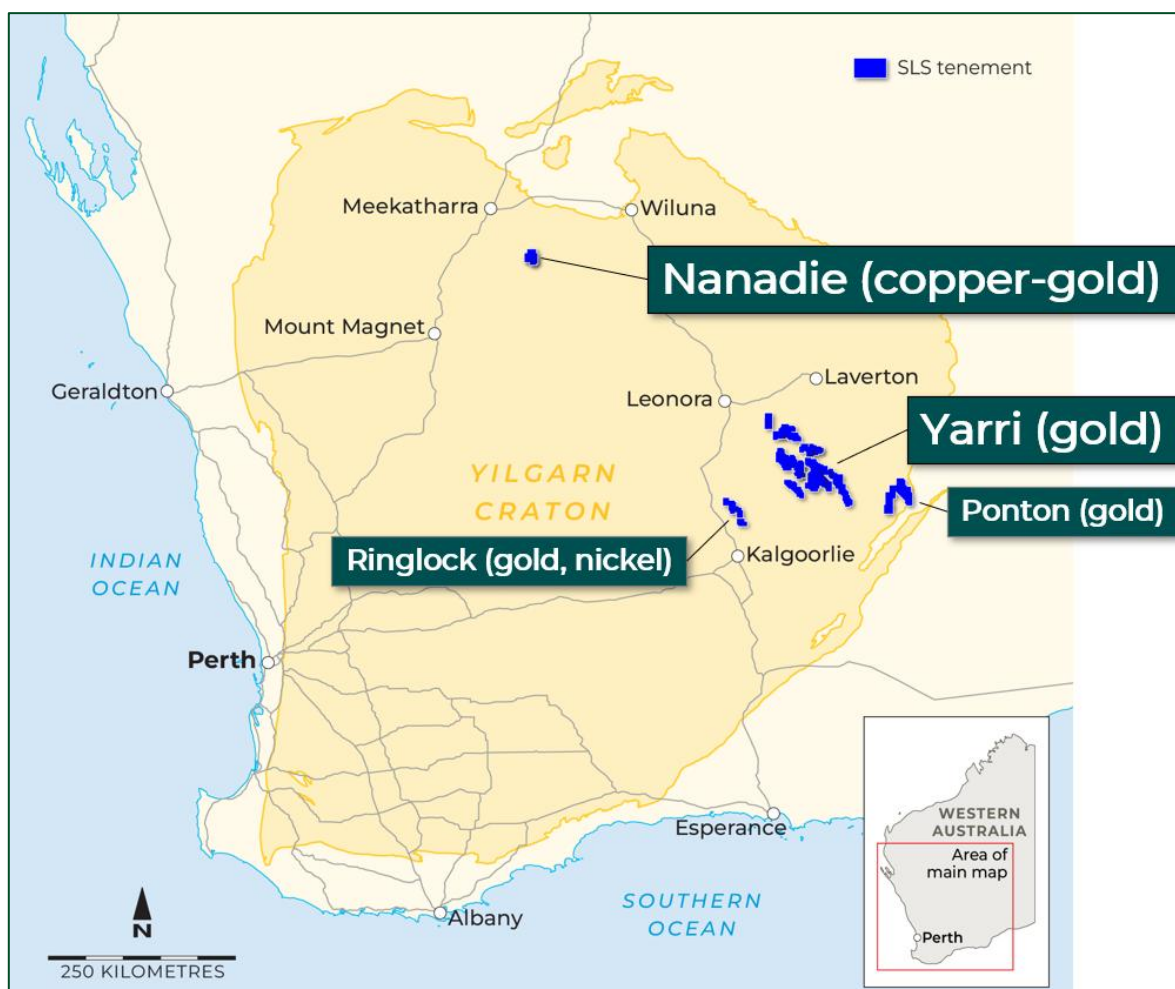
A robust cash position of **\$13.6M** as at 31 March 2025<sup>4</sup> provides Solstice with excellent flexibility to progress its key **Yarri Project** gold prospects toward Mineral Resources, strategically build its copper-gold inventory at Nanadie, and consider new compatible business opportunities.

At Yarri the Company has carefully selected 1,650km<sup>2</sup> of tenure (**Figure 6**) that is close to existing mining operations and dedicated haul roads, and ore processing facilities typically within 50–100km. In this setting even modest scale gold mineralisation has potential to be commercialised, as underscored by the \$10M sale of the Company's Hobbes tenement in 2024.

Solstice continues to work-up further quality gold targets, with results awaited from recent RC drilling<sup>3</sup> aimed at delineating near-surface mineralised material at the advanced **Bluetooth** and **Statesman Well** Prospects, and a first-ever RC test of completely new gold mineralisation at the **Edjudina Range** Prospect.

The Company anticipates steady activities and newsflow through the remainder of 2025:





**Figure 6: Location of Solstice's West Australian Projects.**

## References

1. Refer to ASX: SLS 5 February 2025 'Solstice Secures Strategic Copper Exposure'.
2. Refer to ASX: SLS 31 March 2025 'Copper-Gold Drill Targets Take Shape at Nanadie.'
3. Refer to ASX: SLS 13 May 2025 'RC Drilling Successfully Completed at Key WA Gold Targets'.
4. Refer to ASX: SLS 28 April 2025 'March 2025 Quarterly Activities Report'.

All exploration releases are available on the Company's website at:

<https://solsticeminerals.com.au/investor-centre/asx-announcements>.

This announcement has been authorised for release by the Board.

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## Compliance Statement - Previously Reported Results

The information in this announcement that relates to previously reported Exploration Results and Estimates of Mineral Resources is extracted from the ASX announcements as noted in the 'References' and referenced in the text (**Original Announcements**). The Company 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 Announcements.