

Copper-Gold Drill Targets Take Shape at Nanadie

Highlights

- Strong progress is being made with the geological review and re-logging of historical drilling at the Nanadie Copper-Gold Deposit (Deposit), which sits within a granted Mining Lease 100km NW of Sandstone in Western Australia.
- Nanadie is underpinned by an existing Inferred Mineral Resource Estimate (MRE) of 40.4Mt @ 0.4% copper and 0.1g/t gold for 162kt of contained copper and 130koz gold¹, a strategic metal bank of commodities with strong demand outlooks.
- Work to-date confirms clear opportunities to significantly expand the mineralised system that is currently 150m wide and 900m long, but totally unconstrained along strike and at depth.
- The south-eastern portion of the Deposit offers strong Reverse Circulation (RC) drill targets, with potential to increase grade in portions of the intrusive package.
- The Company sees excellent potential to increase the current resource with RC drilling to build on significant previous drill intercepts¹ that include:
 - ❖ 107.8m @ 0.91% Cu and 0.24g/t Au from 80.3m in NWD2003 (incl. 16m @ 1.65% Cu and 0.42g/t Au, 7m @ 2.94% Cu and 0.45g/t Au, and 13.2m @ 1.05% Cu and 0.56g/t Au)
 - ❖ 76m @ 0.85% Cu and 0.39g/t Au from 25m in NWD2004 (incl. 10.2m @ 2.61% Cu and 2.06g/t Au)
 - ❖ 122.3m @ 0.61% Cu and 0.15g/t Au from 155.9m in NWD2101 (incl. 24.6m @ 1.23% Cu and 0.22g/t Au)
 - ❖ 81m @ 0.79% Cu and 0.23g/t Au from 16m in NRC05020 (incl. 16m @ 2.1% Cu and 0.54g/t Au)
- The current review and targeting work will also assess adjacent sand-covered copper-gold targets in the surrounding area which present potential analogues to Nanadie geological setting.
- The Company aims to have a set of high-impact exploration and/or MRE extension RC drill targets prepared and ready to drill by early H2 2025.

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

"The Solstice team has hit the ground running at Nanadie, with a first-principles review of the geology of the copper-sulphide system beginning to reveal excellent targets for MRE extensions and hopefully guiding us toward high-grade material. We see excellent potential here and expect that the targeting work will deliver a strong list of Phase 1 RC targets for H2 2025."

¹ ASX: SLS 5 February 2025 "Solstice Secures Strategic Copper Exposure".



"Copper is widely seen as having a favourable long-term supply-demand outlook, and we are pleased to see the recent upward movement in metal pricing. Quality assets with scale, geometry and MRE growth potential, secured by granted Mining Lease tenure and in an area with limited competing land use, are rare indeed. The Nanadie MRE adds excellent strategic value to the Solstice portfolio going forward, and our exploration work always has the potential to make a step-change discovery in this style of system."

Nanadie Copper-Gold Project Update

Solstice Minerals Limited (ASX: SLS, **Solstice**, the **Company**) is pleased to report that work is progressing well at its advanced 100% owned and drill-ready **Nanadie Copper-Gold Project**, which sits within 130km² of tenure located 100km NW of Sandstone in Western Australia (**Figure 1**).

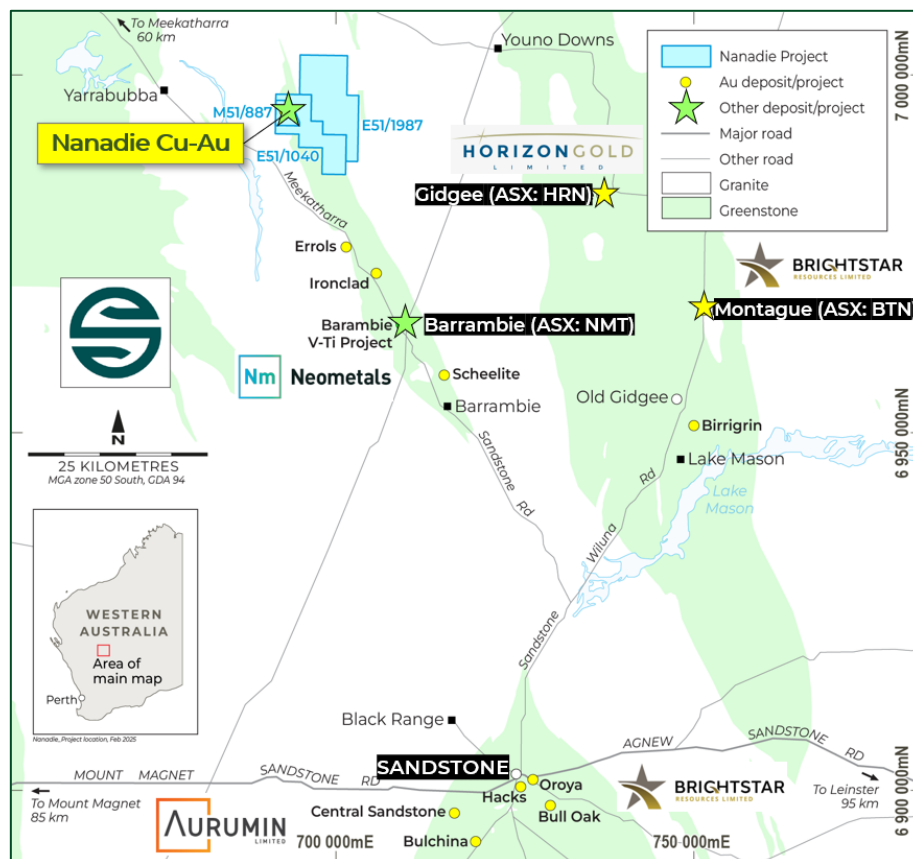


Figure 1: Location of the Nanadie Copper-Gold Project tenements, Murchison Mineral Field, Shire of Meekatharra.

The Company is conducting a thorough deposit-scale geological review to optimise future resource definition and extensional drilling.

Strong progress was made during March, including re-logging of past diamond (DD) and RC drilling, selective capture of magnetic susceptibility and XRF geochemistry and incorporation of past geophysical work over the deposit.

Work to-date has identified clear opportunities to expand the mineralised system, which starts near surface, remains lightly drilled and is unconstrained along strike and at depth beyond the limits of drilling. In particular, the south-eastern margin and strike extensions of the deposit represent significant MRE extension targets (**Figure 2**).



Importantly, the structure, geometry and internal architecture of the host mafic intrusive package is being mapped, which may offer the opportunity to target increased grade in the lower (eastern) parts of the intrusive package, particularly where structure has focussed sulphide mineralisation.

The current review and targeting work will also consider step-out copper-gold targets in the surrounding sand-covered areas with analogous geological setting.

The potential for new discoveries is highlighted by significant copper anomalism encountered in sparse drilling to the north and south of the Nanadie drill-out (Figures 2 & 3), as well along other untested magnetic trends.

The Company aims to have a pipeline of high-impact exploration and/or MRE extension RC drill targets prepared and ready to drill by early H2 2025.

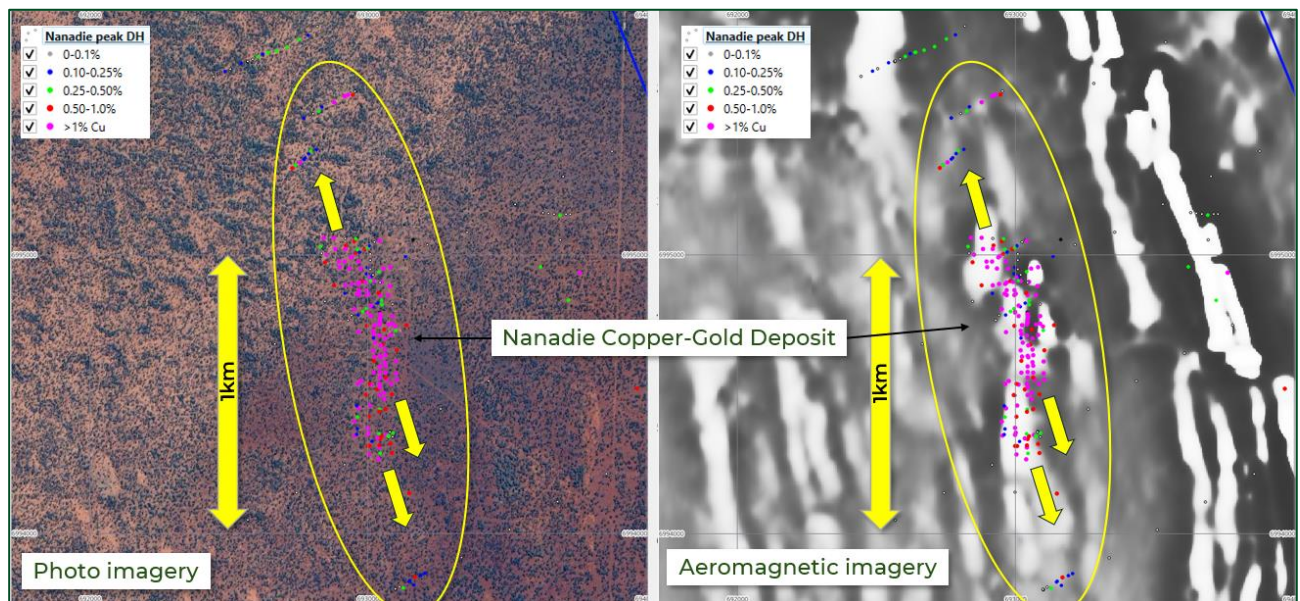


Figure 2. Nanadie Deposit plan view of peak downhole Cu values in all drilling, on photo imagery (left) and detailed aeromagnetic imagery (right). Arrows show directions in which the MRE is open laterally and to strike.

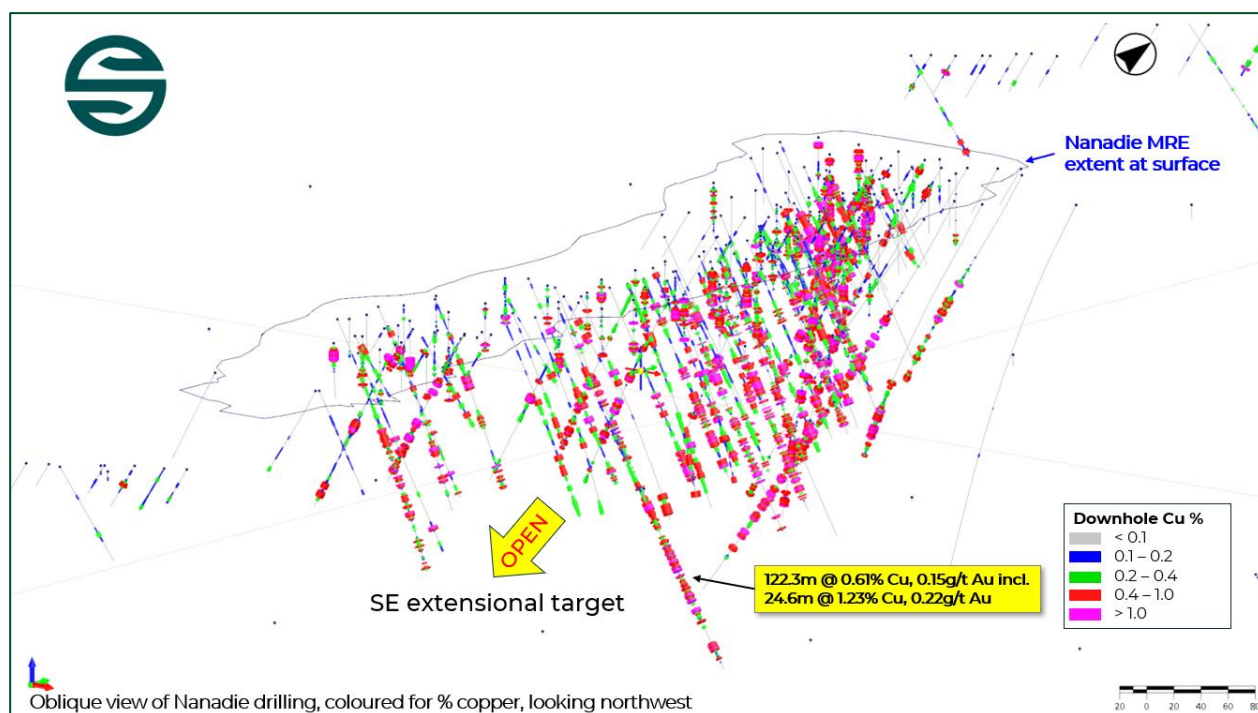


Figure 3. Nanadie Deposit oblique view of all drilling showing downhole Cu values. Note the limited number of unmineralised drillholes to constrain the system. The deposit is open along strike, at depth, and laterally toward the south-east (arrow).

About Nanadie

The Nanadie Project includes two significant and partially defined mafic intrusive-hosted mineral systems, the **Nanadie** Cu-Au MRE and the **Stark** Cu-Au-Ni-PGE Prospect, both secured under granted Mining Lease title.

Nanadie offers excellent exploration potential to build on a JORC-compliant Inferred MRE of **40.4Mt @ 0.4% copper and 0.1g/t gold for 162kt of contained copper and 130koz gold²** (Table 1) as the mineralisation potentially extends beyond the limits of previous drilling in a number of directions.

Table 1: Nanadie Well 2012 JORC Mineral Resource Estimate.

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
Total		13,200,000	40,400,000	0.4	162,000	0.10	130,000	1.00	1,364,000

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.

² ASX: SLS 5 February 2025 "Solstice Secures Strategic Copper Exposure".



Mineralisation as currently defined extends from surface to beyond the current MRE depth of approximately 255m below surface (**Figure 4**) and sits in a broad zone up to 150m wide by 900m long in mafic intrusive rocks.

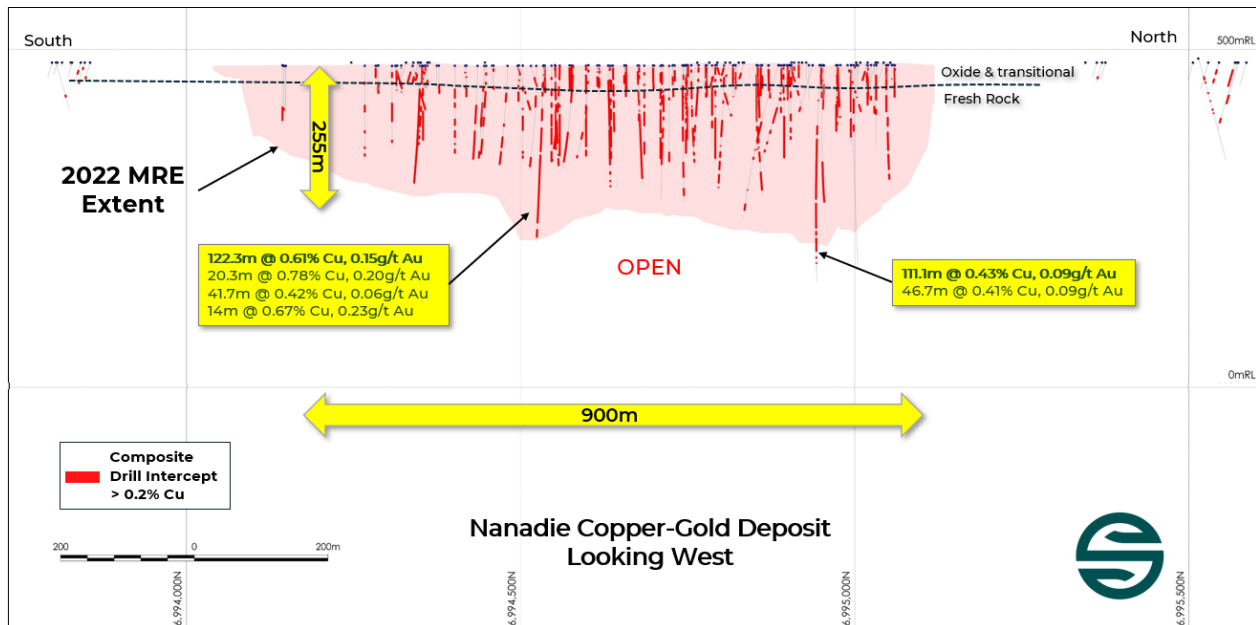


Figure 4. Nanadie Project long section looking west showing the 2022 MRE boundary, all drilling and significant Cu-Au intercepts in step-down diamond drilling³. Note limited drilling along the north and south extensions of the system.

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 (**Figure 5**).

Past drilling has located multiple locations where there is increased chalcopyrite veining, each accompanied by significant copper and gold values.

As the Company builds its geological and structural model, it sees excellent potential to expand on significant previous drill intercepts¹ that include:

- ❖ **107.8m @ 0.91% Cu and 0.24g/t Au** from 80.3m in NWD2003 (incl. 16m @ 1.65% Cu and 0.42g/t Au, 7m @ 2.94% Cu and 0.45g/t Au, and 13.2m @ 1.05% Cu and 0.56g/t Au)
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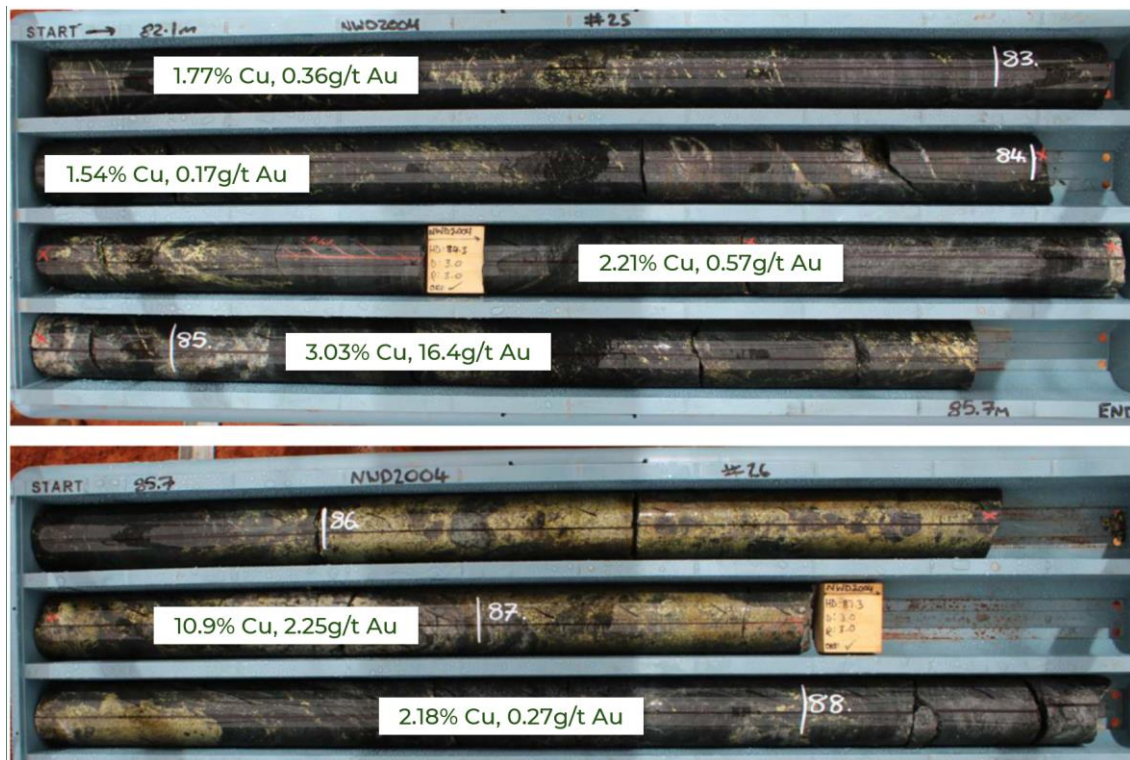


Figure 5: Nanadie Project diamond core photos from drillhole NWD2004 82.1m-88m downhole showing an example of disseminated and advanced vein style chalcopyrite mineralisation with Cu Au grades shown. This is part of a 10.2m @ 2.61% Cu, 2.06g/t Au intercept from 77.8m⁴.

About Solstice Minerals

The Company's West Australian landholdings in WA's highly endowed greenstone belts are selected for latent greenfield exploration and development potential. Projects are also typically close to existing mining operations, with dedicated haul roads and ore processing facilities often within 50–100km. In this infrastructure-rich region, even modest scale mineralisation has potential to be commercialised, as underscored by the \$10M sale of the Company's Hobbes tenement in 2024.

The Company continues to work-up quality greenfield and advanced gold targets across its 1,650 square kilometres of **Yarri** tenure with a focus on testing positions that offer potential for 'stand-alone' scale. RC drilling of advanced gold prospects is ongoing, and the first-pass aircore drilling campaign is set to continue as Exploration Licence applications are granted.

A robust cash position (after the Nanadie acquisition) of \$14.2M as at December 2024 provides Solstice with excellent flexibility to expand its asset base beyond its current projects, and the Company continues to consider new business development opportunities.

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.

⁴ ASX: SLS 5 February 2025 "Solstice Secures Strategic Copper Exposure".



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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 Company's ASX announcement (**Original Announcements**) dated 5 February 2025. All prior Solstice ASX announcements, Investor Updates, and the Solstice Prospectus dated 14 March 2022 are available to view on the Company's website 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.