OD6 METALS LTD

ASX Announcement

14 October 2025

ASX: OD6

GULF CREEK COPPER DRILLING COMMENCES

OD6 Metals Limited (OD6 or the Company) is pleased to advise that exploration drilling has commenced at its 100% owned Gulf Creek Copper Project, located in NSW.

Highlights:

- **Phase 2 drilling at Gulf Creek Copper Project Commenced**
- **Targeting large geophysical anomalies** which may represent repeats of the high-grade mineralisation in historical mine
- **Previously untested prospects** to be drilled include **Big Bend, North West and West Limb**
- **Strong relationship between magnetism and massive sulphide mineralisation**
- **>3km of untested strike** – magnetite-VMS target horizon in immediate mine area
- **Repeat structures** represent a significant untested strike in immediate mine-stratigraphy
- **7 Priority diamond drill holes** with approvals in place to expand to 25 holes totalling ~7,500m
- **Downhole EM** planned to be undertaken post drilling to further identify follow up targets
- **Phase 1 drilling previously confirmed high-grade copper up to 4.6%** underneath the historic Gulf Creek Copper Mine (refer ASX 7 -5-2025)
- **Historically, Gulf Creek was one of Australia's highest-grade copper-zinc mines (averaging up to 6.5% Cu)**

Managing Director Brett Hazelden, commented:

"We are excited to commence drilling at the Gulf Creek Copper Project, marking the continuation of the first modern exploration on this project.

Phase 1 drilling confirmed mineralisation directly beneath the historic Gulf Creek Mine, and we now turn our attention to the greenfield repeat targets at Big Bend, North West, and West Limb.

These untested magnetic structures extend over approximately 3 km, with modelled depths exceeding 500 m, and were a key driver behind OD6's acquisition of the project. They are compelling targets with the potential to deliver a large-scale copper system.

Gulf Creek complements our flagship Splinter Rock Rare Earth Project by providing OD6 with exposure to a high-grade copper asset in a proven mining district. With strong global copper demand and the ongoing electrification trend, this project offers a highly attractive near-term growth opportunity for our shareholders."

Phase 2 Drilling at Gulf Creek

Phase 2 drilling will test potential extensions to mineralisation near the historic Gulf Creek Copper mining area.

These repeat structure targets, named **Big Bend, North West and West Limb** (refer to Figure 1 and 2) are along strike to the northwest of the Gulf Creek mineralisation and feature substantial magnetic anomalies which mirror the Gulf Creek magnetic signature.

The presence of the jaspilite capping the mineral system, and the strong magnetism associated with semi-massive sulphide mineralisation indicates that the Big Bend, North West and West Limb remain excellent untested targets. The observations from the drilling completed to date are consistent with a "Besshi" volcanic hosted massive sulphide (VMS) system, which are known to occur in clusters:

- **Big Bend** – strong magnetism, surface jaspilites, increased IP geophysics effect, surface anomalism in Cu-Ce
- **North West** – strong magnetism, surface jaspilites, surface anomalism in Cu-Co-Ag-Be-Ce-Zn
- **West Limb** – strong magnetism, surface jaspilites, surface anomalism in Cu-Ce

The three prospects to be tested represent a portion of ~3km of untested strike in the immediate Gulf Creek mine stratigraphy.

An initial **7 priority holes** at Big Bend, North West and West Limb Targets have been identified for ~1,750m.

OD6 has received approvals from the NSW Resources Regulator for 25 drill holes totalling ~7,500m.

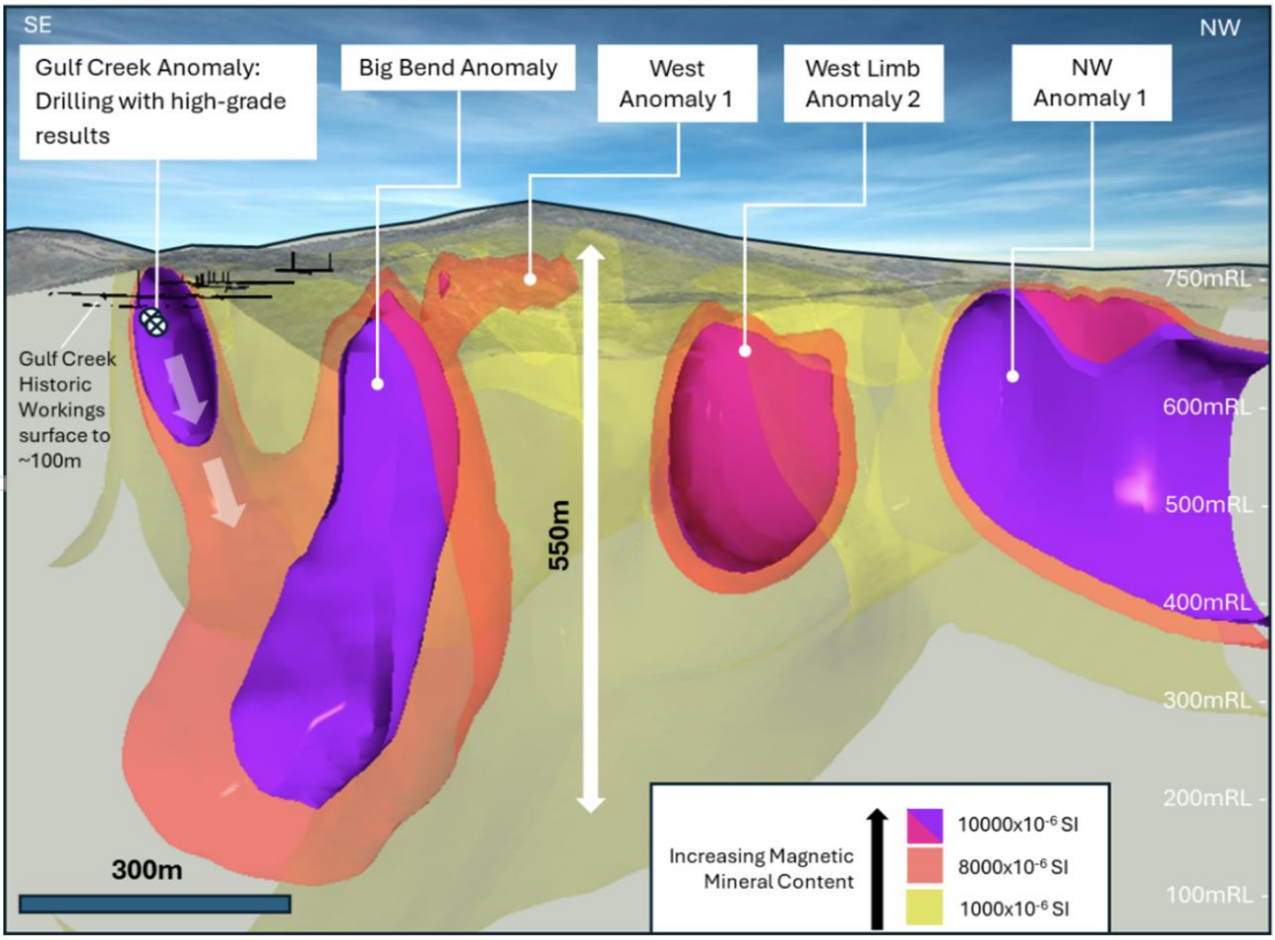

Figure 1: Long Section view to SW showing extended view of geophysical modelling and the targets along the West Limb of the Gulf Creek Syncline to the NW anomaly. Refer to announcement dated 14 November 2024 for details on geophysical modelling.

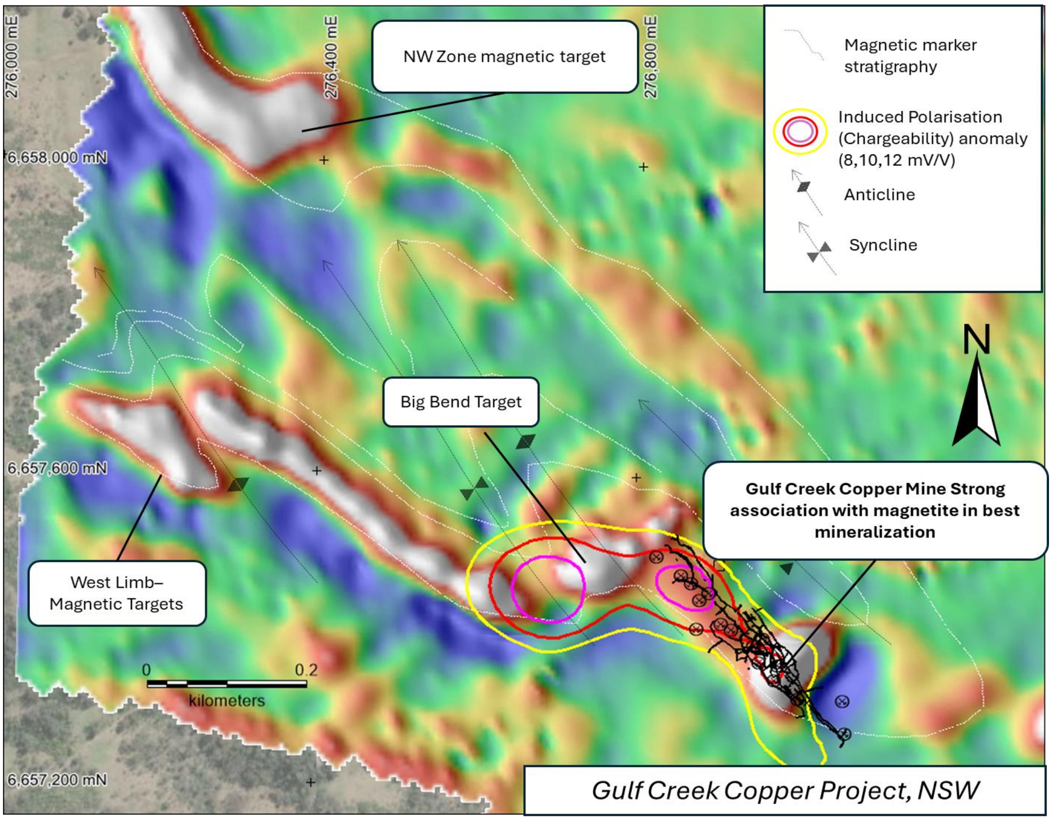

Figure 2: Plan view of geophysical modelling and the priority targets Big Bend, North West, West Limb and the historic Gulf Creek Mine

Strong Relationship Between Magnetic Susceptibility and Mineralisation

Phase 1 drilling and magnetic modelling have identified the strong relationship between footwall magnetism and massive sulphides (refer Figure 3 below).

The stratigraphic succession presented from sediments → jaspilites-sediments → sulphides including high grade copper → altered basalt (disseminated sulphides/anomalous in copper) is a classic VMS stratigraphic succession. Given the strongest mineralisation is sitting coincident with the strongest magnetic response confirms the Company's targeting methodology using mapping of geochemically anomalous exhalite jaspilites and magnetic rich bodies.

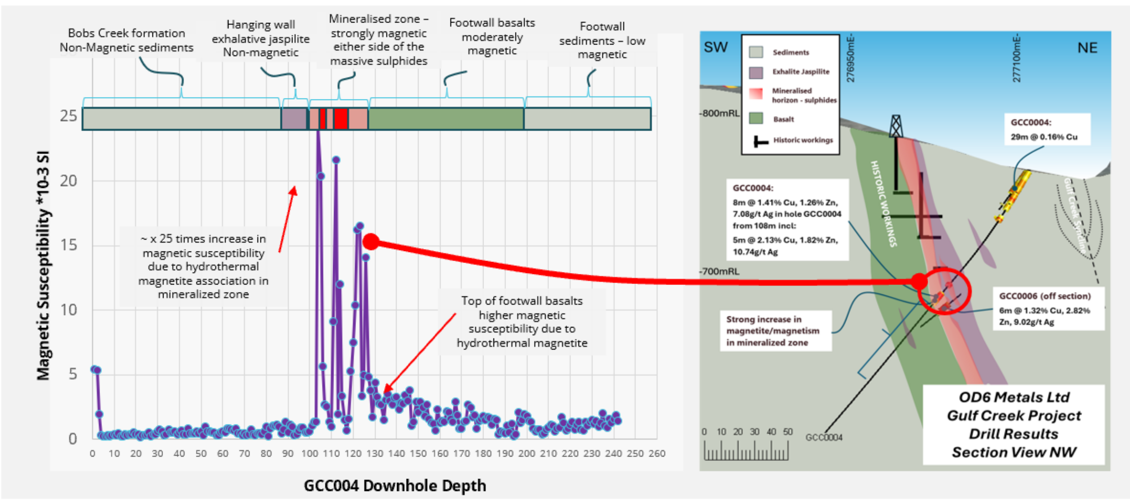

Figure 3: Cross section of Historic Gulf Creek Mine with GCC004 drill hole results vs Magnetic Susceptibility

Downhole EM Survey Planning

Following completion of the drilling, the Company plans to conduct Downhole EM (DHEM) and magnetic susceptibility to identify additional follow up targets (Figure 4). These surveys will refine the understanding of the mineralised system and guide future exploration programs.

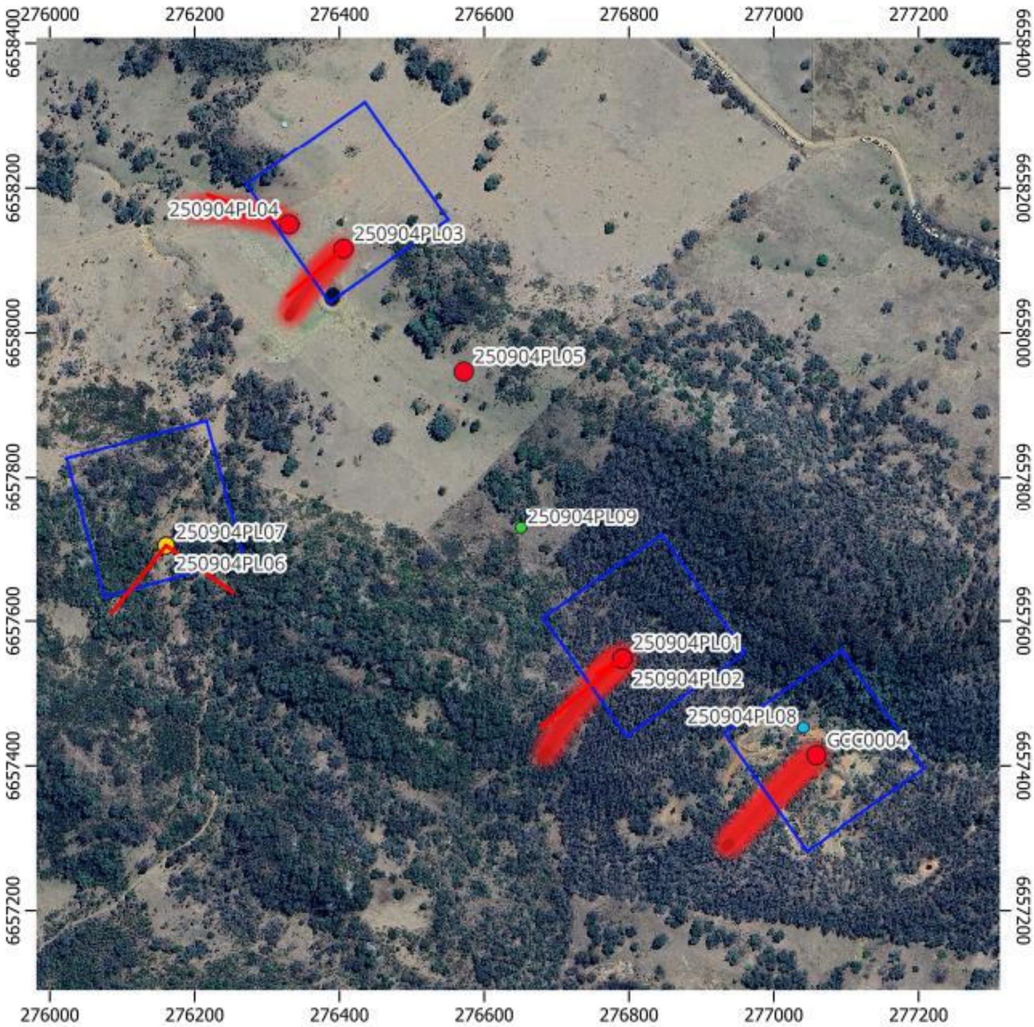

Figure 4: Plan overview of the 7 holes planned to have DHEM.

Forward Looking Statements

Certain information in this document refers to the intentions of OD6 Metals, however these are not intended to be forecasts, forward looking statements, or statements about the future matters for the purposes of the Corporations Act or any other applicable law. Statements regarding plans with respect to OD6 Metals projects are forward looking statements and can generally be identified by the use of words such as 'project', 'foresee', 'plan', 'expect', 'aim', 'intend', 'anticipate', 'believe', 'estimate', 'may', 'should', 'will' or similar expressions. There can be no assurance that the OD6 Metals plans for its projects will proceed as expected and there can be no assurance of future events which are subject to risk, uncertainties and other actions that may cause OD6 Metals actual results, performance, or achievements to differ from those referred to in this document. While the information contained in this document has been prepared in good faith, there can be given no assurance or guarantee that the occurrence of these events referred to in the document will occur as contemplated. Accordingly, to the maximum extent permitted by law, OD6 Metals and any of its affiliates and their directors, officers, employees, agents and advisors disclaim any liability whether direct or indirect, express or limited, contractual, tortuous, statutory or otherwise, in respect of, the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and do not make any representation or warranty, express or implied, as to the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and disclaim all responsibility and liability for these forward-looking statements (including, without limitation, liability for negligence).

No new information

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

The information in this report relating to the Mineral Resource estimate for the Splinter Rock Project is extracted from the Company's ASX announcements dated 24 May 2024. OD6 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply

This announcement has been authorised for release by the Board of OD6 Metals Limited

About OD6 Metals

OD6 Metals is an Australian public company pursuing exploration and development opportunities within the critical minerals sector, namely rare earths and copper.

Rare Earth Elements

OD6 Metals has successfully identified clay hosted rare earths at its 100% owned **Splinter Rock Project** which is located in the Esperance-Goldfields region of Western Australia.

The Company released a Mineral Resource Estimate (MRE) for Splinter Rock in May 2024, confirming that the project hosts one of the largest and highest-grade clay-hosted rare earths deposits in Australia with an Indicated Resource of 119Mt @ 1,632ppm TREO and an Inferred Resource of 563Mt @ 1,275ppm TREO with an overall ratio of ~23% high-value Magnetic Rare Earths (MagREE).

OD6 Metals believes that Splinter Rock has all the hallmarks of a world class rare earths project with a conceptual heap leach development which utilises the large and high-grade Splinter Rock resource to support a long-life REE operation.

Copper

The Company is advancing the **Gulf Creek Copper-Zinc VMS Project** located near the town of Barraba in NSW, Australia.

Gulf Creek was mined at around the turn of the 20th century and was once regarded as the highest-grade copper mine (2% to 6.5% Cu) in NSW until its closure due to weak copper prices in 1912. Very little exploration has occurred at the project in over 100 years, with OD6 aiming to apply modern day exploration technologies.

The 2025 maiden drilling program successfully defined high grade copper below the historical mine plus confirmed the strong relationship between magnetism and massive sulphide mineralisation. Geophysical modelling has identified multiple, high priority and untested targets ready for drilling providing over >3km of untested strike in the immediate mine-stratigraphy, and over >10km across the tenement.

Corporate Directory

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