

Phase 2 Drilling at Gulf Creek Copper Project Approved by NSW Resource Regulator

OD6 Metals Limited (**OD6** or the **Company**) is pleased to announce that a 18-hole, ~5,000m Phase 2 drill campaign at the Gulf Creek Copper Project (**Gulf Creek**) has been approved by the NSW Resources Regulator.

Highlights:

- **OD6 Metals has received approval to drill 18 RC and diamond holes totalling ~5,000m** at the Gulf Creek Copper Project
- Phase 2 drilling is **focused on potential repeat structures identified by magnetic modelling driven by the strong relationship between magnetism and massive sulphides**
- **Previously untested prospects include North West and West Limb**
- A second approval request for an additional 7 hole, 2,500m program has been submitted for **follow up deep drilling** proximate to the recent successful maiden 6-hole program which targeted the historical mining area. It is anticipated to be approved in the coming weeks.
- The second approval request also includes the **potential repeat structure at Big Bend**
- The repeat structures represent a portion of **>3km of untested strike in immediate mine-stratigraphy**
- Historically, Gulf Creek was one of Australia's highest-grade copper-zinc mines

Brett Hazelden, Managing Director, commented:

"We're delighted to receive approval to follow up and expand on our recent maiden drilling results, which confirmed the presence of high-grade copper, zinc and silver at the Gulf Creek Copper Project. OD6 was buoyed by the confirmation of mineralisation from the initial 6 holes, and we are excited by the prospect of testing, what we believe, may be potential repeat VMS zones at the Gulf Creek Copper Project.

The Big Bend, North West and West Limb targets are associated with substantial magnetic anomalies along more than 3km of untested strike near the old mine and exhibit similar geophysical signatures to Gulf Creek. Any success in the drill testing of these stands to substantially expand the scale of the project.

We're looking forward receiving the second approval and future drilling recommencement".

NSW Resources Regulator Approves Phase 2 Drilling at Gulf Creek

Phase 2 drilling will continue to test extensions to mineralisation near the historic Gulf Creek Copper mining area and will also test targets that have been identified by magnetic modelling, driven by the strong relationship between footwall magnetism and massive sulphides.

These repeat structure targets, named Big Bend, North West and West Limb (refer to Figure 1) are along strike to the northwest of the Gulf Creek mineralisation and feature substantial magnetic anomalies which mirror the Gulf Creek magnetic signature. The three prospects to be tested in the next round of drilling represent a portion of ~3km of untested strike in the immediate Gulf Creek mine stratigraphy.

OD6 has received an approval from the NSW Resources Regulator for an initial 18 RC and diamond holes totalling ~5,000m. This initial approved program is associated with the untested targets Norwest and West Limb (refer to Figure 2).

A second approval request for an additional 7 hole, 2500m program has been submitted for follow up deep drilling proximate to the recent successful maiden 6-hole program which targeted the historical mining area. The second approval request also includes drilling at the potential repeat structure at Big Bend (refer Figure 3). This application is anticipated to be approved in the coming weeks.

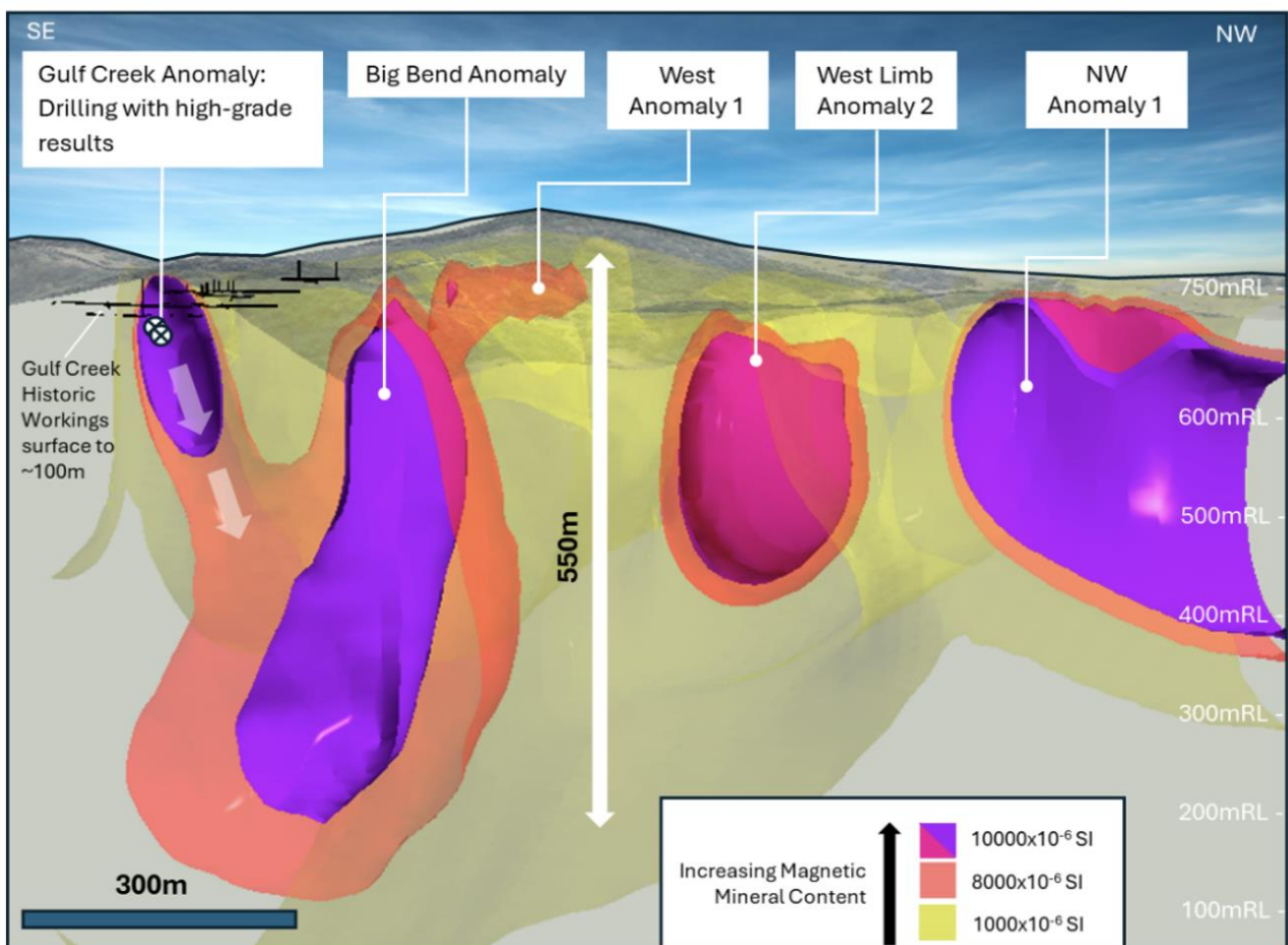


Figure 1: Long Section view to SW showing extended view of geophysical modelling and the targets along the West Limb of the Gulf Creek Syncline to the NW anomaly. Refer to announcement dated 14 November 2024 for details on geophysical modelling.

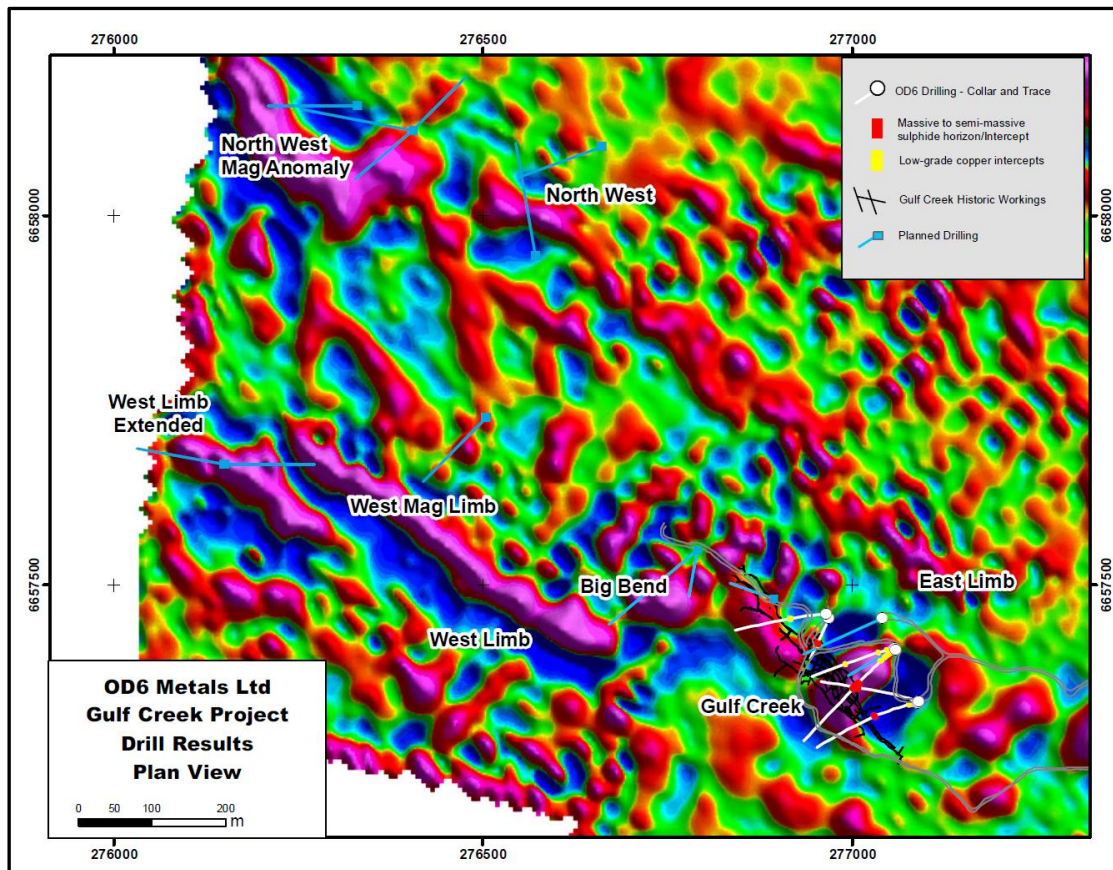


Figure 2: Plan view of planned Phase 2 drill locations in blue, plus existing 6 drill holes in white.
(background shading = first vertical derivative magnetics)

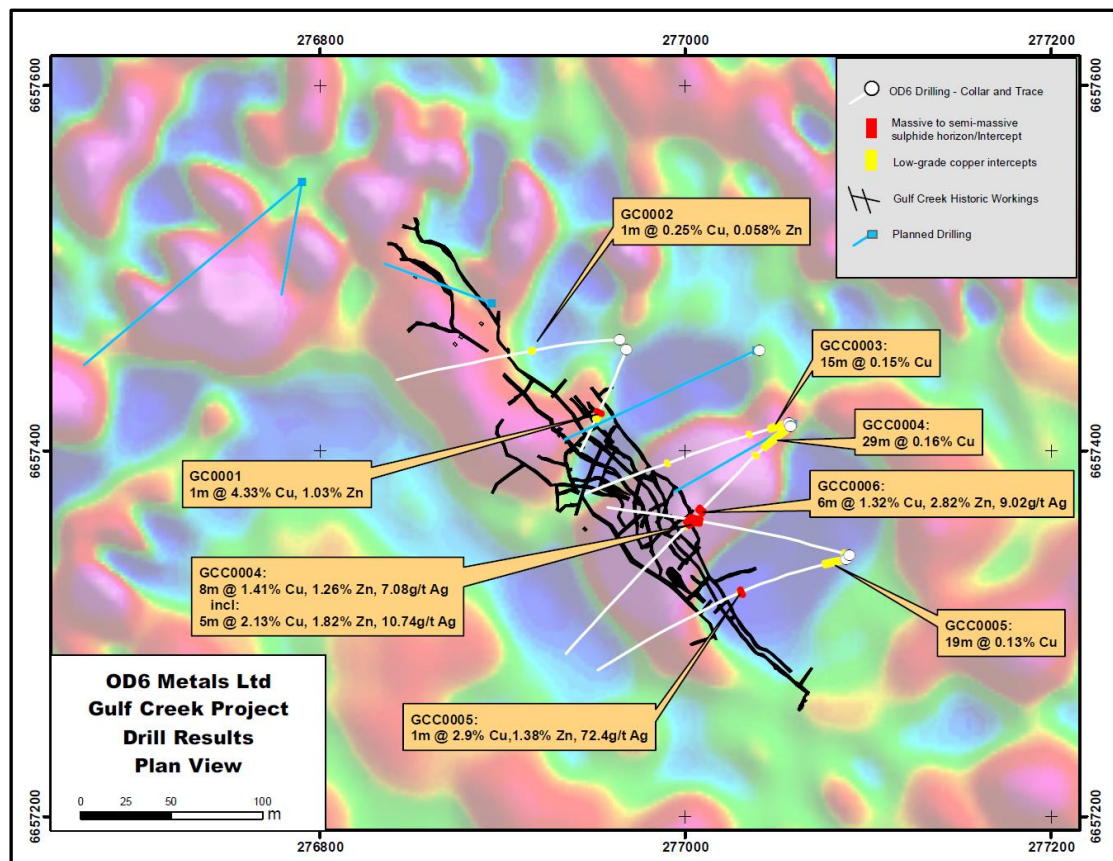


Figure 3: Plan view of Gulf Creek drill results with planned Phase 2 drill locations
(background shading = first vertical derivative magnetics)

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, tortious, 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 18 July 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.

NSW Resources Regulator Investigation at Gulf Creek

As advised to ASX on 5 May 2025, the NSW Resources Regulator (**Regulator**) has issued NTCE0017143, which revoked the previous section 240 *Mining Act 1992* (NSW) notice, allowing the recommencement of exploration activities at the Gulf Creek Copper Project in New South Wales.

The Company is continuing to cooperate with the Regulator in relation to potential areas of non-compliance raised by the investigator. The Company cannot currently provide any further update on the timing or potential outcomes of the Regulator's investigations, and will update the market in due course, in compliance with its continuous disclosure obligations.

05-05-2025 [Gulf Creek Exploration Set to Recommence](#)

21-03-2025 [Response to ASX Aware Letter](#)

21-3-2025 [Exploration Update: Gulf Creek Copper Project](#)

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.

Copper

The Company is advancing the recently acquired **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.

Mineralisation is associated with magnetite, with geophysics showing significant greenfields and brownfields exploration potential exists with over >3km of untested strike in the immediate mine-stratigraphy, and over >10km across the tenement.

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 the largest and highest-grade clay-hosted rare earths deposit 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 development which utilises the large and high-grade Splinter Rock resource to support a long-life REE operation supported by a low strip ratio

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