

Maiden Drill Program Underway to Test High-Grade Extensions of the Gulf Creek Copper Project

OD6 Metals Limited (**OD6** or the **Company**) is pleased to advise that drilling has commenced at its Gulf Creek Copper VMS Project, located in New South Wales.

Highlights:

- **Initial ~2,000m combined reverse circulation (RC) and diamond drilling program underway**
- **Historically underexplored, Gulf Creek has only ever seen 2 holes drilled back in the 1960's, representing a significant opportunity for high-grade extensional and repeat VMS structures**
- **Drill program is focused around the historic workings and aims to test the continuity of the known high-grade mineralisation and VMS structures along strike and at depth**
- **Recently completed geophysical modelling identified multiple, high priority, walk up targets and highlights the potential for extensional and repeat high-grade VMS structures at Gulf Creek**
- **Downhole EM and magnetics will also be used to identify new target zones for mineralisation as well as Gulf Creek extensions**
- **Initial drilling program expected to be completed over a 6 to 8 weeks period with assay results to be reported progressively.**
- **Planning has progressed to continue the drilling program to test high priority, repeat VMS targets across the remaining Gulf Creek tenure**

Brett Hazelden, Managing Director, commented:

"After only announcing the acquisition late last year, we are excited to see the drill bit turning at the historical high-grade Gulf Creek Copper Mine. This is a testament to the team's hard work and commitment to the Project, as well as the significant opportunity that exists at Gulf Creek, which has not seen a drill hole in over 60 years.

The initial program is aimed at extending the known high-grade mineralisation at Gulf Creek, which historically mined average grades between 2 to 6.5% copper, with areas up to 12% copper.

Success has the potential to create significant value for our shareholders and we look forward to keeping the market updated, on what could be a transformational period for the Company."

Drill Program Commenced

A 9 hole, ~2,000m initial drill program has now commenced at the Gulf Creek VMS Copper Project (**Gulf Creek** or the **Project**). The drill program is focussed around the historical workings and aims to test the continuity of mineralisation along strike and at depth. The Company has additional permitted holes for Phase 1 drilling, and as such can expand the program based on successful outcomes.

The drill program has been based on geophysical modelling undertaken late last year, which identified multiple, high priority, walk up targets and highlights the potential for extensional and repeat high-grade VMS structures at Gulf Creek ([refer ASX announcement 14 November 2024](#)).

Coincident with the drill program, downhole EM and magnetics will be utilised to identify new VMS structures as well as extensional targets for planned follow-up drilling.

The initial drill program is anticipated to be a 6 to 8 week campaign with assays to be reported progressively.



Figure 1: Drilling Equipment located next to the old Gulf Creek Copper Mine headframe and smelter stack

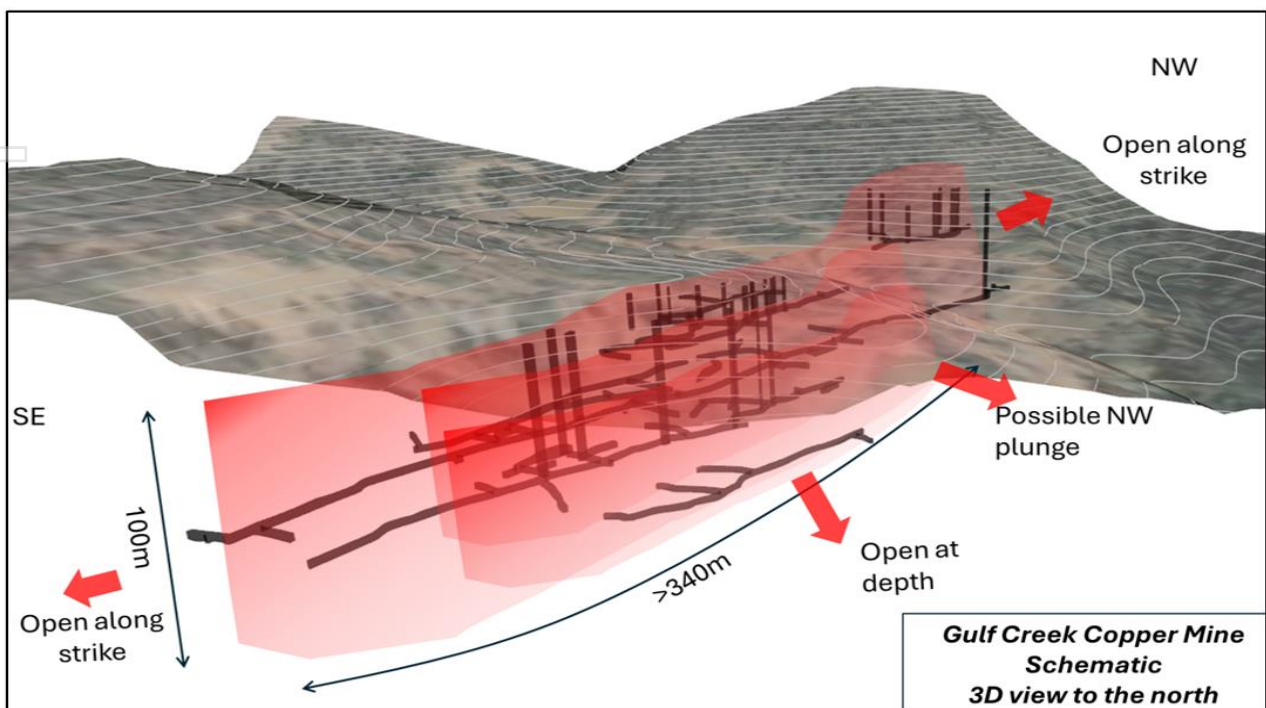


Figure 2: Historic 3D view of Gulf Creek copper mine and the three main lodes

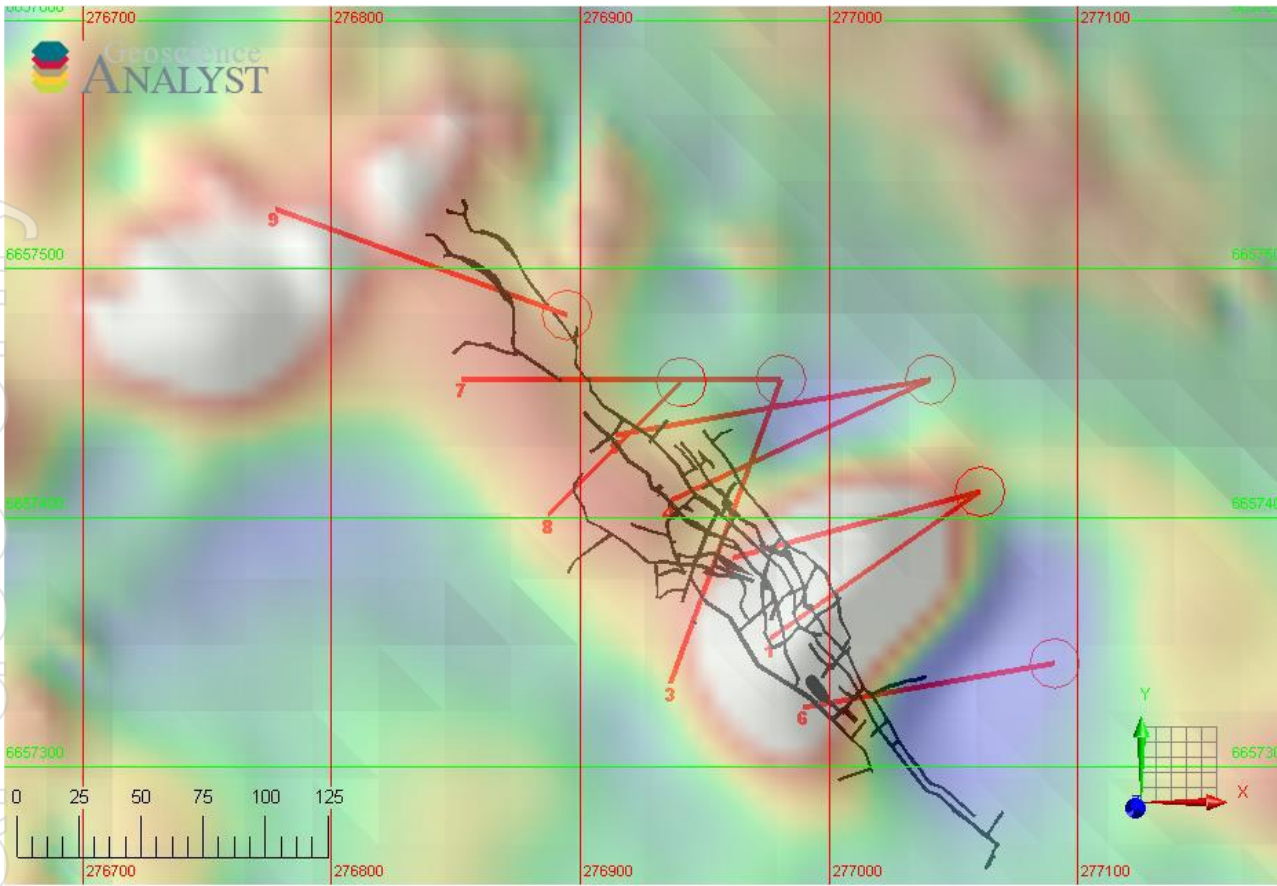


Figure 3: Planned drill hole locations over geophysical magnetic survey model (plan view)

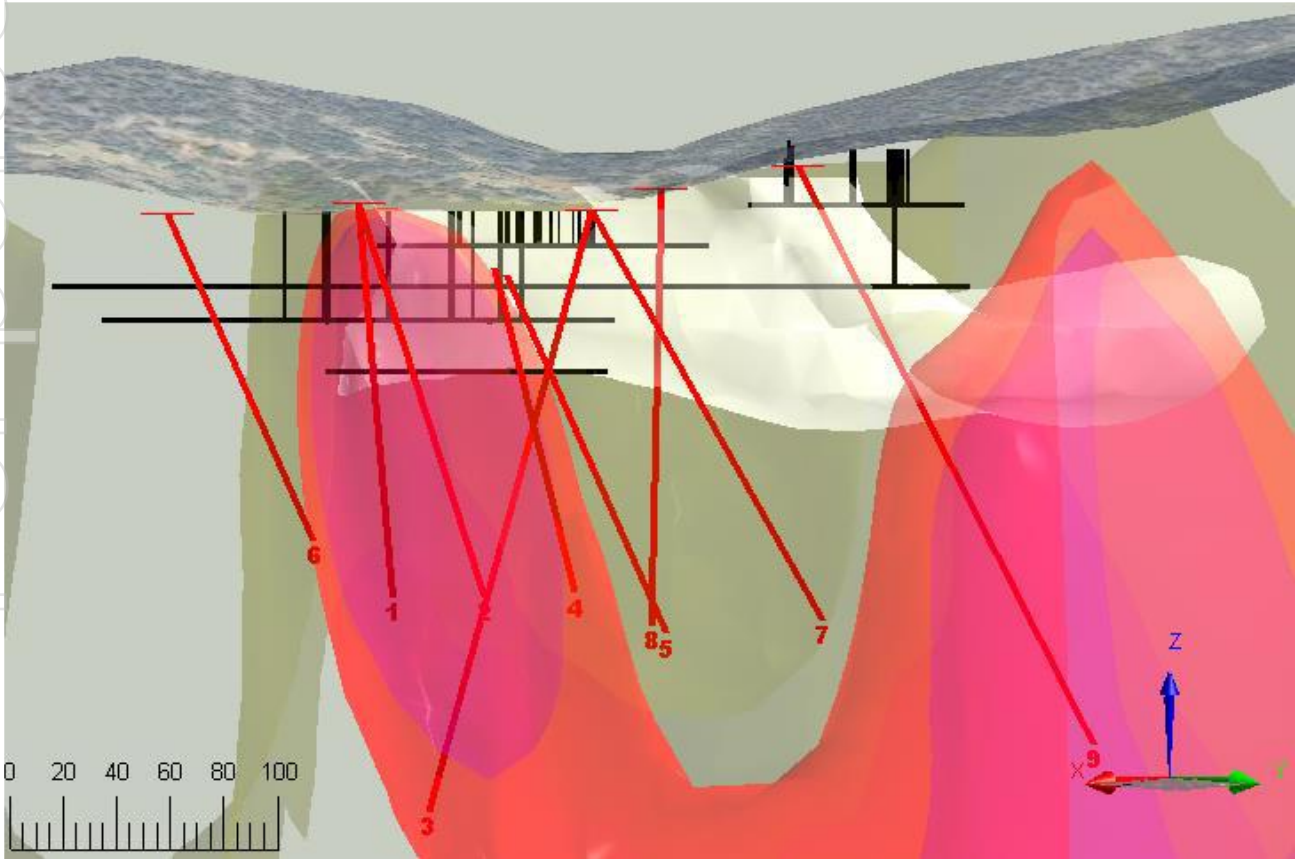


Figure 4: Planned drill hole locations over 3D inversion modelling (long section view)

No new information

Except where explicitly stated, this announcement contains references to prior exploration results or Mineral Resource Estimate of the Splinter Rock Project, 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.

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.

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

ENDS

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

Corporate Directory

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Non-Executive Director	Mr Piers Lewis
Non-Executive Director	Dr Mitch Loan
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