

OD6 SECURES RARE HISTORICAL DATASET AT QUINN FLUORSPAR PROJECT, NEVADA

Accelerates drill targeting and resource definition at a fraction of replacement cost

HIGHLIGHTS

- OD6 Metals secures **a rare historical dataset consisting of historical drilling and metallurgical testing**
- Dataset acquired for a nominal amount representing **exceptional value relative to an estimated replacement cost exceeding over A\$1 million at current rates and time to undertake**
- Data originally generated by Union Carbide Corporation, one of the United States' historical prominent and technically accomplished resource companies, **validating the quality and technical integrity of the dataset**
- Historical drilling and mapping define **multiple high-grade fluorspar zones open along strike and at depth**
- Extensive maps, cross-sections and logs enable **rapid geological modelling and drill targeting**
- Provides a major technical shortcut, potentially saving months of exploration time and significant capital
- Immediate digitisation underway with results to be progressively released to market
- **Strong linkages with our Phase 1 and Phase 2 programs currently being finalised**
- **The dataset provides a critical foundation** for the planning of a validation drilling program, aimed at upgrading historical exploration data to a JORC 2012 compliant resource.
- **Metallurgical testing was also undertaken** further enabling prior works to be utilised for the upcoming preliminary metallurgical testwork to assess processing characteristics and support future development studies.
- All historic data is being critically reviewed and examined prior to further use

Managing Director Brett Hazelden, commented:

"This acquisition materially accelerates OD6's pathway to drilling and resource definition at the Quinn Fluorspar Project. Securing a dataset of this scale and quality for a nominal cost substantially reduces our exploration timeline, capital requirements and overall project risk, making this is a compelling outcome for our shareholders."

To have secured records of this calibre is a testament to the strength of the Company's in-country networks. Historical datasets of this nature are rarely available and provide an invaluable blueprint for targeting ultra-high grade fluorspar mineralisation within the Quinn system. The data in conjunction with our Phase 1 and 2 exploration works, allows the Company to move rapidly toward a focused validation drilling program.

With the United States currently 100% reliant on fluorspar imports, Quinn represents a strategically positioned project, and this dataset strengthens our ability to unlock the potential for new discoveries beyond historic workings."

OD6 Metals Ltd (ASX: OD6) ("the Company") is pleased to announce the completion of a highly strategic acquisition of a rare historical technical dataset covering the Quinn Fluorspar Project in Nevada, USA.

Data Acquisition

The dataset was acquired for a nominal value representing exceptional value against an estimated replacement cost in excess of A\$1.0 million at current market rates. The acquired Union Carbide data includes high-quality scans of cross-sections, maps, and geological records from historical exploration programs, providing OD6 with a significant informational advantage.

This rare historical dataset is critical for pinpointing further ultra-high grade fluorspar zones within the Quinn system, eliminating the need to "re-discover" known mineralisation and dramatically accelerating OD6's path to resource definition.

Metallurgical testwork is also included in the dataset inclusive of *grinding and flotation* further enabling prior works to be utilised for the upcoming preliminary metallurgical testwork to assess processing characteristics and support future development studies.

The acquisition represents a major de-risking milestone for the Quinn Fluorspar Project and positions OD6 to execute a highly targeted, capital-efficient exploration program at one of North America's most prospective fluorspar assets.

All historic data is being critically reviewed and examined prior to further use.

About Union Carbide

Union Carbide Corporation is a historically significant US industrial company, founded in 1917, with a legacy of technical excellence in chemicals, critical minerals and resource development across the US. Its historical exploration programs were conducted to high technical standards, with datasets often regarded as robust and suitable for modern geological reinterpretation. Union Carbide was acquired by The Dow Chemical Company in a transaction valued at \$11.6 billion.

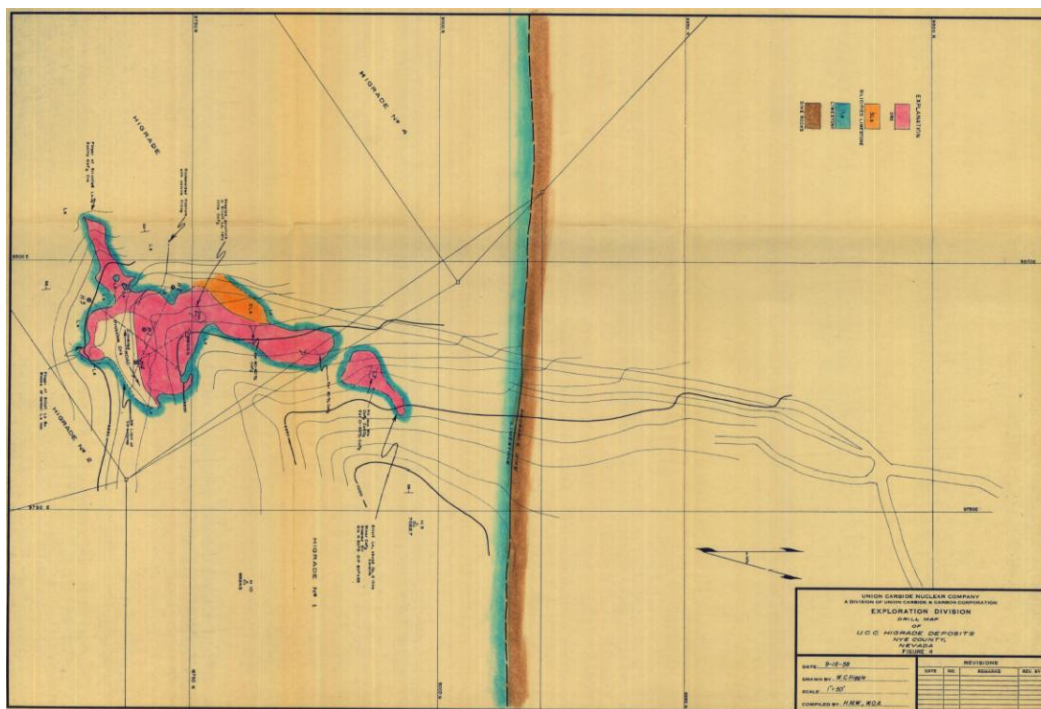


Figure 1: Example Drill map of UCC Horseshoe (AKA Higrade) deposits, Nye County, Nevada

About Quinn Fluorspar Project

On 4 March 2026 the Company announced an exclusive option agreement to acquire the Quinn Fluorspar Project, located approximately 220km north of Las Vegas, Nevada. The project offers very high-grade fluorspar mineralization (**>40% CaF₂**) identified at the **Mammoth and Horseshoe Projects in replacement / breccia style mineralization mapped out over large 9,000m² and 3,000m²** areas respectively. In addition, a number of other fluorspar occurrences are noted in the wider project area with reported historic rock chip results up to **94% CaF₂**.

The United States is currently 100% reliant on imports of fluorspar. Fluorspar is listed on the Critical Minerals list with applications in **battery technologies, AI chip manufacture, nuclear fuels industry, aerospace and defence technologies**. The project is located **~300km by road from the US Strategic Minerals Reserve** at Hawthorne, Nevada (refer to Company announcements 4/3/2026, 6/3/2026, & 16/03/2026).

Due Diligence and Next Steps

As part of its due diligence program in connection with the Quinn Fluorspar Project (see announcement dated 4 March 2026, ["OD6 TO ACQUIRE ULTRA HIGH GRADE USA FLUORSPAR PROJECTS"](#)), OD6 intends to collect new samples from the surface showings to test the veracity of historic reports, including:

- **Digitise scanned paper logs and cross-sections** into a geological model
- Receipt and interpretation of **assay results**
- Expand **systematic channel and rock chip sampling**
- Validate and replicate **historic high-grade results**
- Undertake **detailed geological and structural mapping**
- Complete **soil geochemistry programs**
- Identify and prioritise **drill targets**
- Initiate **permitting for maiden drilling**
- Progress **metallurgical testwork planning**

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).

Competent Persons Statement

Information in this report relating to geological planning is based on information compiled by Dr Darren Holden who is a Fellow of the Australasian Institute of Mining and Metallurgy.

Dr Holden is an employee of GeoSpy Pty Ltd and is a geological advisor to the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Holden owns shares in the Company and participates in the Company's employee securities incentive plan. Dr Holden consents to the inclusion of the data in the form and context in which it appears.

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.

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, copper and fluorspar.

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).

An innovative Process Flow sheet has been selected utilising Heap Leaching, Nano-filtration and Ion Exchange Technologies that have achieved ~75% Nd & Pr overall recovery, produced a high-quality Mixed Rare Earth Carbonate or Hydroxide (MREC/H) of ~56-59% TREO, with low levels of impurities (Al, Fe, P, Si) and extremely low uranium and thorium content.

Fluorspar (Fluorite)

The Company secured an option to acquire the **Quinn Fluorspar Project in Nevada, USA**. Nevada is regarded as one of the world's premier mining jurisdictions and is currently ranked second in the 2025 Fraser Institute's Mining Attractiveness Index.

Historically a number of the Quinn Fluorspar deposits were mined in the 1950's for Fluorspar. In 1969. The United States Geological Survey (USGS) conducted a survey and confirmed fluorspar grading up to 72% CaF₂ in bulk samples.

The USA currently imports 100% of all Fluorspar consumed domestically with 68% of all global supply sourced from China (USGS 2024). Fluorspar is listed as a Critical Mineral by the USGS and is essential in the production of hydrofluoric acid, Al semi-conductor chip etching, advanced battery technologies and nuclear fuel processing with other applications in defence and aerospace technologies.

Copper

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

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 targets providing over >3km of strike in the immediate mine-stratigraphy, and over >10km across the tenement.

Corporate Directory

Managing Director	Mr Brett Hazelden
Non-Executive Chairman	Mr Piers Lewis
Non-Executive Director	Dr Mitch Loan
Financial Controller/ Joint Company Secretary	Mr Troy Cavanagh
Joint Company Secretary	Mr Joel Ives
Technical Advisor to the Board	Dr Darren Holden

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