



Corporate Update EGM 20 July 2026

Quinn Fluorspar Acquisition
A Strategic US Critical Mineral Opportunity

ASX : OD6

20 July 2026



IMPORTANT INFORMATION

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No New Information

This document contains information extracted from OD6's ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (**JORC Code**), which were prepared by a Competent Person in accordance with the JORC Code and are available for viewing at <https://www.od6metals.com.au/investors/asx-announcements/>. OD6 confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement. The Company confirms that the form and context in which each relevant Competent Person's findings are presented have not been materially modified from those announcements.

The information in this report relating to the Mineral Resource estimate for the Splinter Rock Project is extracted from the Company's ASX announcement dated 29 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.

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- are necessarily based upon several estimates and assumptions that, while considered reasonable by OD6, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
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CORPORATE SNAPSHOT

Capital Structure

ASX: OD6

Price per share ¹	A\$0.099
Total number of shares on issue ²	291.375 M
Unlisted options ²	38.55 M
Listed 10c options (ASX:OD6O) ²	33.7 M
Performance rights ²	1.3 M
Market capitalisation (undiluted) ¹	A\$28.8 M
Cash ²	A\$3.2 M
Debt ²	Nil
Enterprise value	A\$25.6 M

Share Price 12 Month History

A\$/share


Mr Brett Hazelden

MANAGING DIRECTOR



Mr Piers Lewis

NON-EXECUTIVE CHAIRMAN



Dr Mitch Loan

NON-EXECUTIVE DIRECTOR



Dr Darren Holden

Geological Advisor

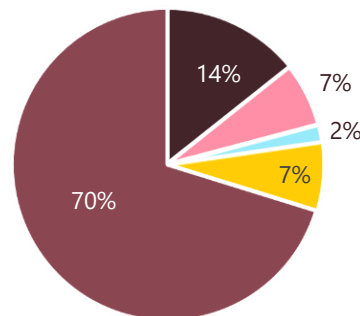


Hon Julie Bishop

Strategic Advisor



Register Detail & Research



- Founders
- Directors and Management
- Family Offices and Institutions
- Remainder of top 20
- Retail / Other

1. As at 18 July 2026

2. As at 1 July 2026

RAPID VALUE CREATION

- Option exercised** securing one of the largest undeveloped high-grade fluorspar projects in the United States – 9 June 2026
- Project expanded almost five-fold to 226 mining claims** (4,670 acres / 1,890ha) creating a genuine district-scale opportunity
- Multiple new project areas added**, supporting a future hub-and-spoke development strategy
- Exceptional high-grade channel sampling** verifies numerous high-grade historical intersections, all near-surface and open in multiple directions
- Multiple high-priority drill targets defined** from integrated geological mapping, fluorine geochemistry, structural interpretation and historical drilling
- 8km fertile mineralised corridor confirmed** with additional high-grade fluorine anomalies identified outside known deposits
- Low impurity chemistry** supports potential production of premium **Acidspar** (>97% CaF_2) and **Metspar** products following beneficiation
- Permitting program underway**, including environmental baseline, archaeological studies and preparation of drilling and bulk sample approvals
- Metallurgical testwork planning advancing** with optical sorting and beneficiation studies to optimise premium product recoveries
- Early Metspar project potential** at Horseshoe and Big Jim

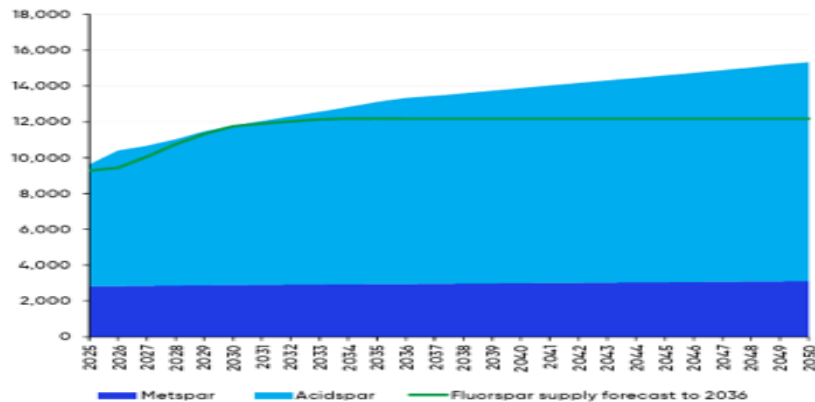


ABOUT FLUORSPAR

A ~US\$4.3 Billion Global Market

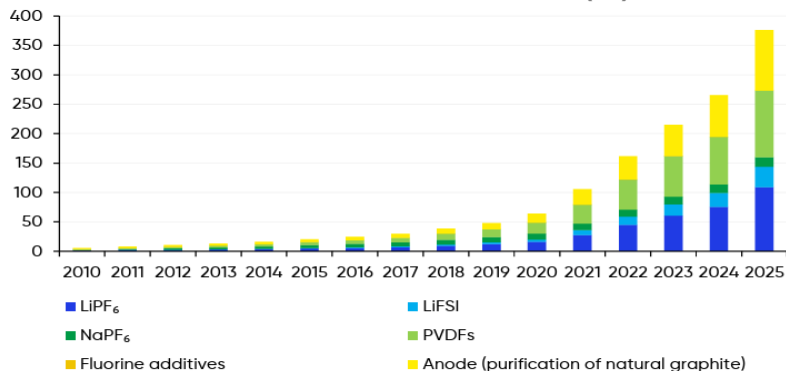
- Fluorspar is the main mineralogical source of fluorine
- High-grade fluorspar is typically upgraded through simple processing to produce concentrates
- >97% CaF_2 concentrate known as **Acidspar** – used to produce **Hydrofluoric (HF) acid**
- 60–96% CaF_2 product known as **Metspar** – used in **steel & aluminium production**
- Fluorspar is essential in
 - Al semi-conductor chip etching
 - Advanced Li-ion battery technologies
 - Nuclear fuel processing
 - Defense
- Spot prices are currently approx US\$450–\$650/t
- **Fluorspar demand is expected to grow considerably in coming years**

Long Term Forecast for Fluorspar and Demand (kt)



Source: Project Blue

HF Demand in Li-ion Batteries (kt)



Source: Project Blue

CRITICAL MINERAL

US 100% Import Reliant

Fluorspar is officially recognised as a U.S. critical mineral, underpinning national security, concentrated supply chain, industrial resilience, and energy transition objectives.

Fluorspar is listed on the U.S. Critical Minerals List, first **formalised by Donald Trump - Executive Order 13817**

The designation reflects:

- High import dependence
- Concentrated foreign supply
- Essential downstream industrial uses

Australia, EU, Canada, Japan – recognised Critical Mineral

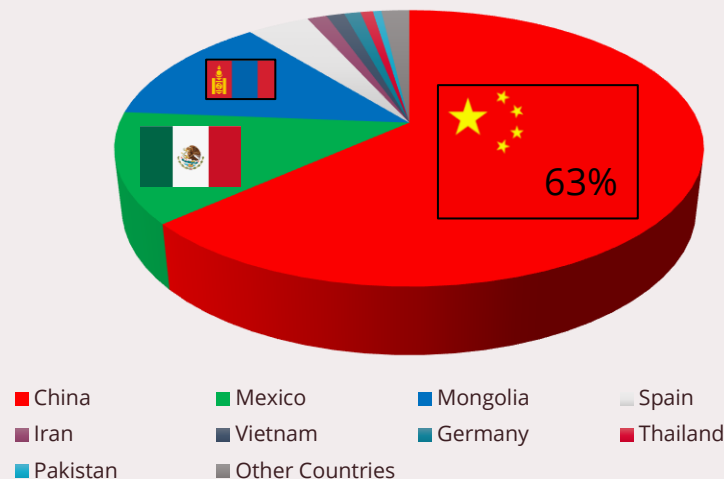
SUPPLY RISK

Price Forecast to Increase

China, Mongolia and Mexico dominate global supply

The US is highly dependent on imports for fluorspar

Leading countries based on mine production of fluorspar worldwide in 2024 (*in 1,000 metric tons*)



Source: https://www.statista.com/statistics/1051717/global-fluorspar-production-by-country/#google_vignette

STRATEGIC POSITIONING

Potential Government Support

Fluorspar directly supports domestic manufacturing, electrification, defence readiness, and chemical sovereignty, making U.S. projects well-positioned for:

- Federal and State loan programs
- Strategic offtake backing
- US CHIPS Act investing US\$50+ billion
- IRA incentives driving US-based battery gigafactories
- Permitting prioritisation at state and federal levels

United States, initiatives such as the “**FAST-41**” permitting pathway may support accelerated development for priority mineral projects.

Trump administration’s “**Project Vault**” which aims to establish a US\$12B critical minerals stockpile.

Australian Government has established the A\$1.2B **Critical Minerals Strategic Reserve** (CMSR).

Ares Strategic Mining (CSE: ARS) secured major multi-year U.S. Department of Defense contract worth up to US\$250M over five years.

LOCATION & ACCESS

Large Effective Transport Network

- ~220km north of Las Vegas
- ~130km east of mining centre Tonopah
- ~300km by road from newly established Hawthorne US Strategic Minerals Reserve (US Govt.)

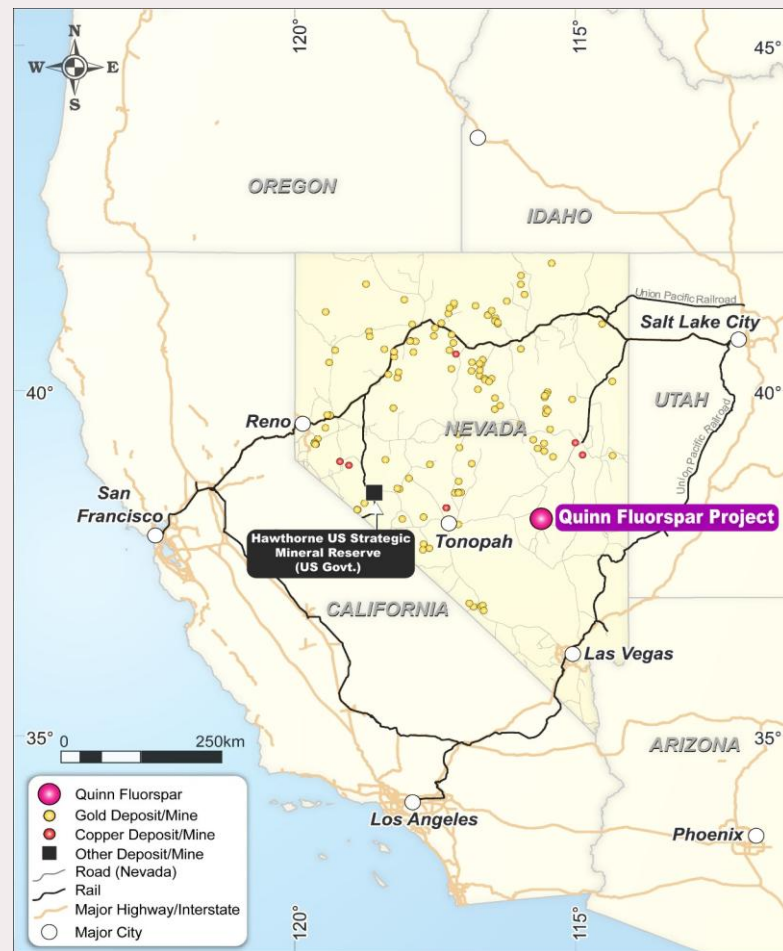
Excellent road and rail access and proximity to established mining regions

Numerous Ports on the West Coast

US Interstates offer easy transport to end user

The Project area has excellent access

- ~35km on well formed county roads from the township of Rachel
- ~5km on existing track that cross the project area



Data source: Nevada Bureau Mines & Geology and portergeo.com

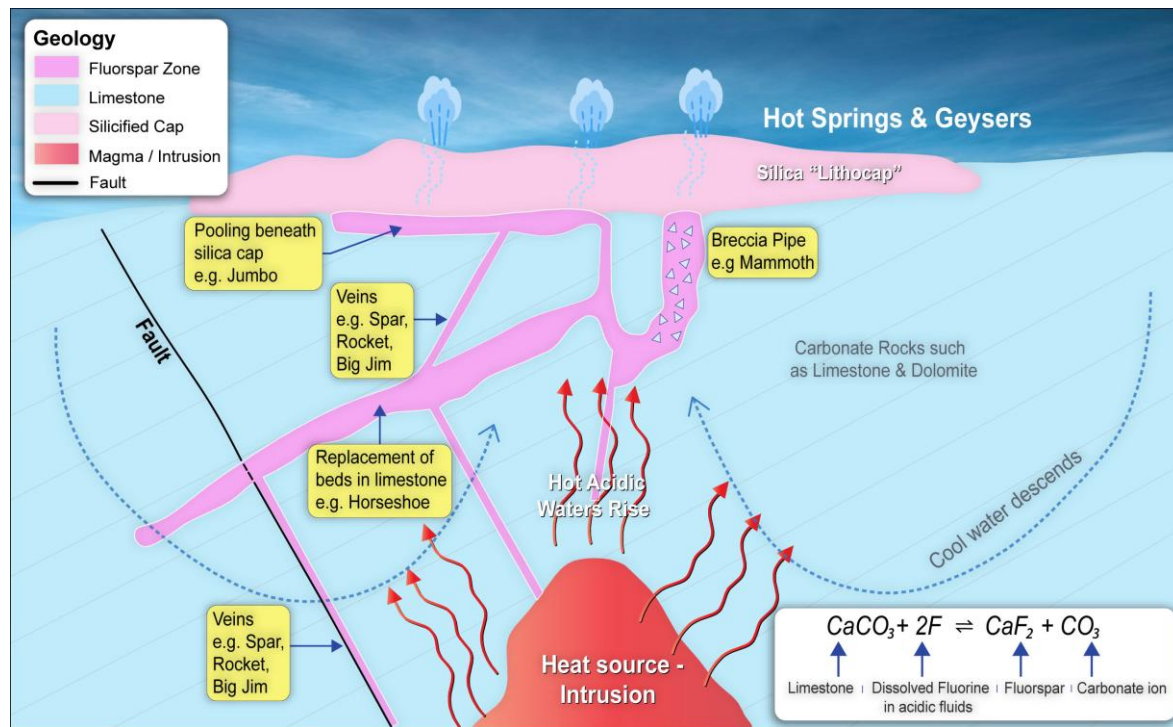
EPITHERMAL FLUORSPAR FORMATION

Fluorspar deposits form in the near surface epithermal environments

Fluorine bearing hydrothermal acidic fluids rise from an intrusive source

The acid reacts with the limestone (CaCO_3) and other carbonates and forms fluorspar CaF_2

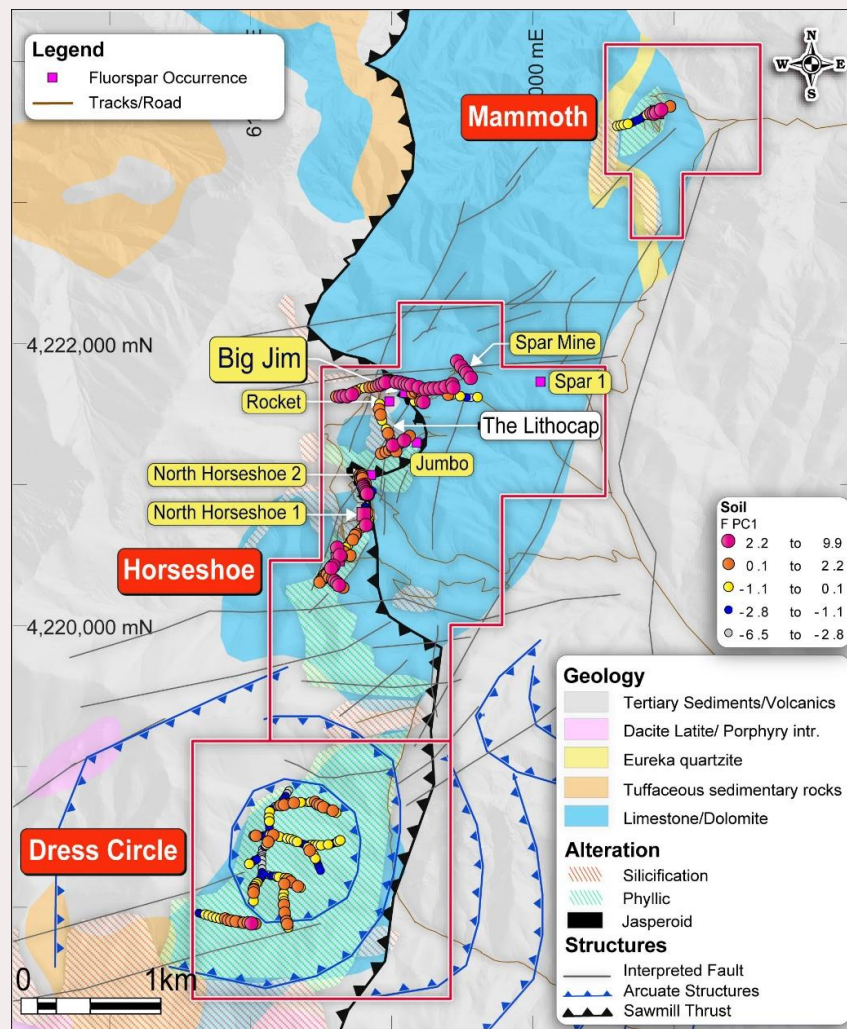
Many historic deposits exploited in the US were narrow vein volcanic hosted. To get deposits for **modern bulk tonnage techniques** – limestone hosted deposits (such as Quinn) offer greater tonnes – like **Las Cuevas in Mexico, the largest in the world**



LOCAL GEOLOGY

Multiple Fluorspar Outcrops

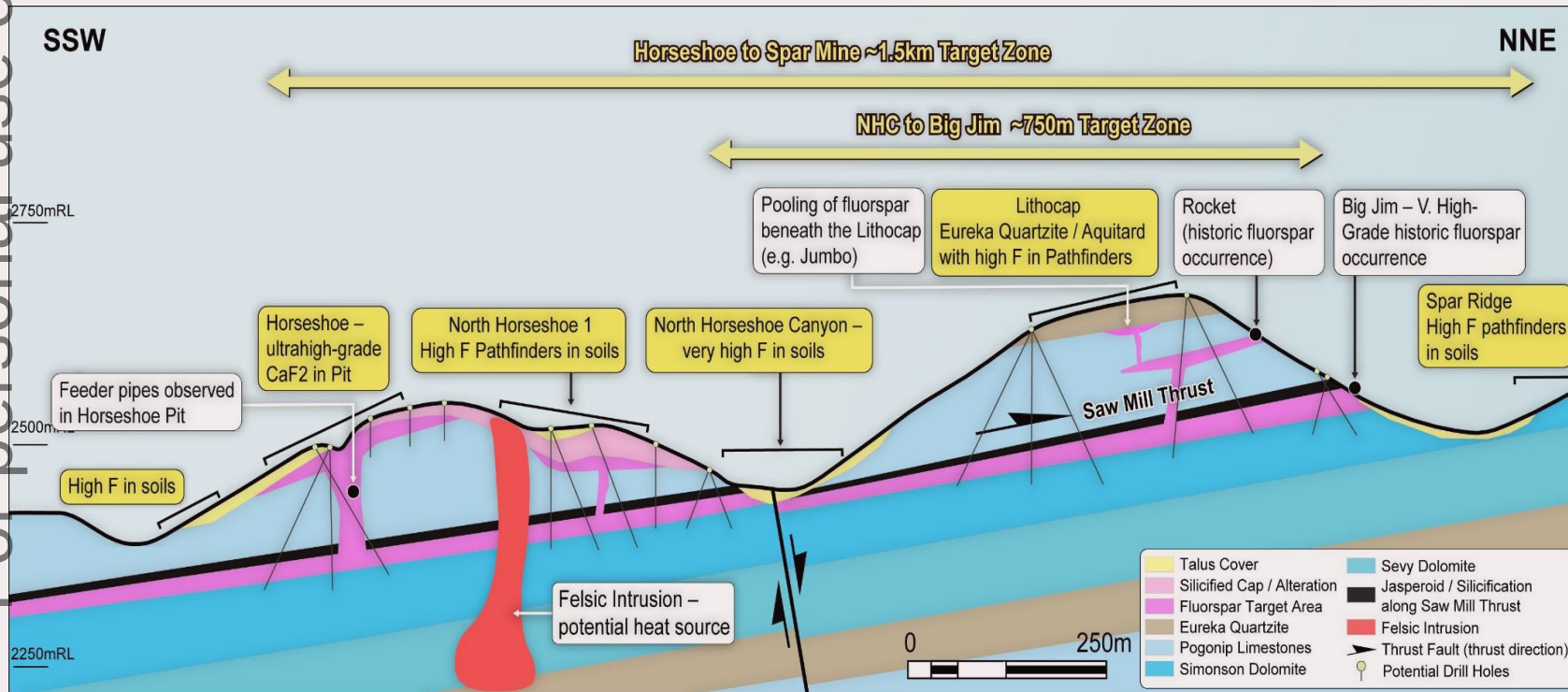
- **Right setting for district-scale project**
- Quinn Fluorspar Project consists of Paleozoic **limestones and dolomites**
- Tertiary volcanism in the area introduced hydrothermal alteration and emplaced fluorite as veins, breccia and replacing strata in the limestones
- Limestone & dolomites (carbonate rocks) are very reactive to acidic hydrothermal fluids and are excellent foci for mineral deposits including fluorspar
- **Three drill to resource ready targets - Horseshoe, Mammoth and Big Jim** all show scale and grade to achieve mineral resource estimate
- **Extensive alteration and other mineral occurrences to be followed up.**



HORSESHOE TO BIG JIM CORRIDOR

Full System Targets EMERGING. Drill Permitting Underway

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HORSESHOE TO BIG JIM CORRIDOR

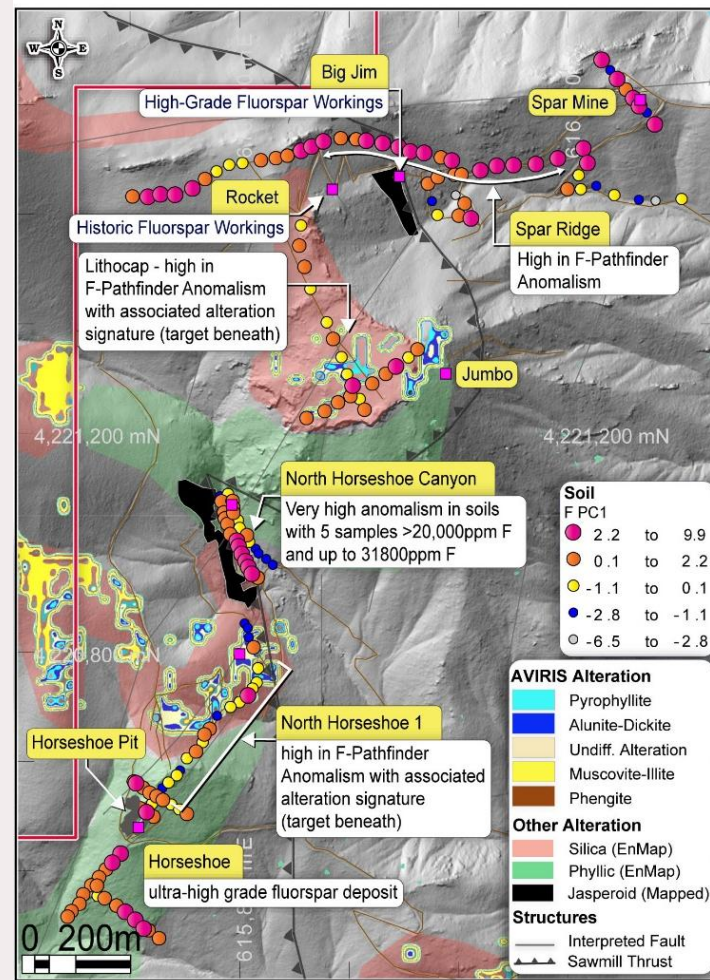
1.5km long high-intensity alteration zone linking Horseshoe to Big Jim prospects

Intense epithermal alteration including pyrophyllite; alunite-dickite and phyllic alteration – **indicative of substantial epithermal cell**

70,000 m² lithocap indicates large epithermal system with target beneath

Jasperoid replacement – the most intense alteration of all

Potential to link stratigraphic controlled (replacement mineralization), from **Horseshoe to North Horseshoe and beyond**



HORSESHOE DEPOSIT

26,000 tonnes mined in historic shallow open pits

~3,000 m² mapped zone of **high-grade fluorspar**

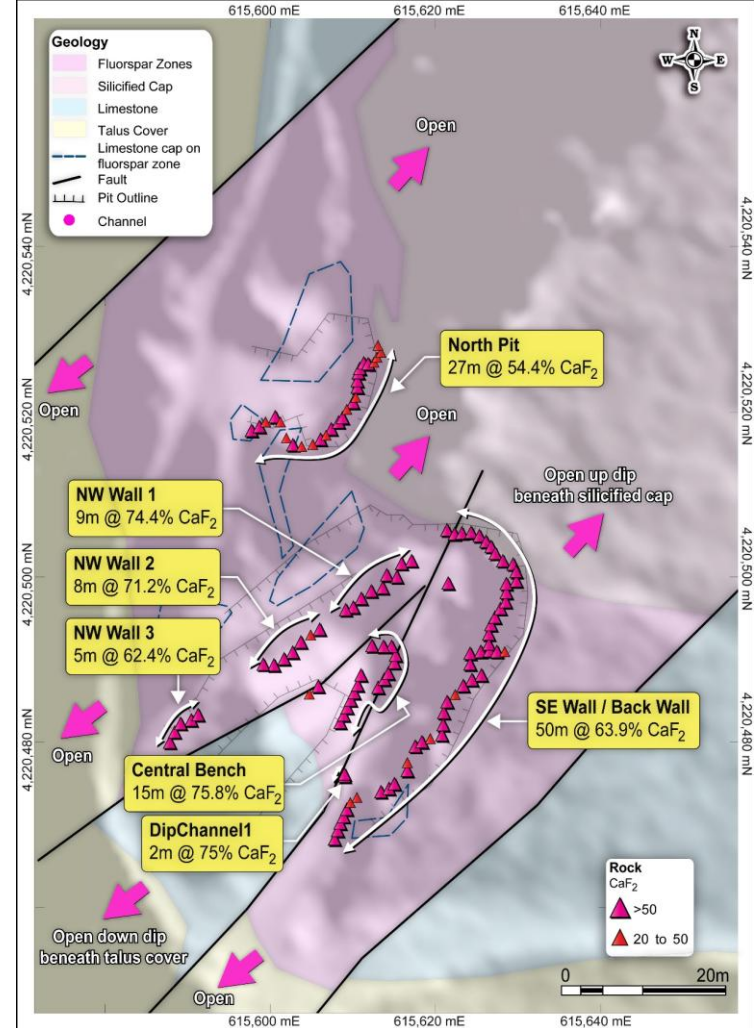
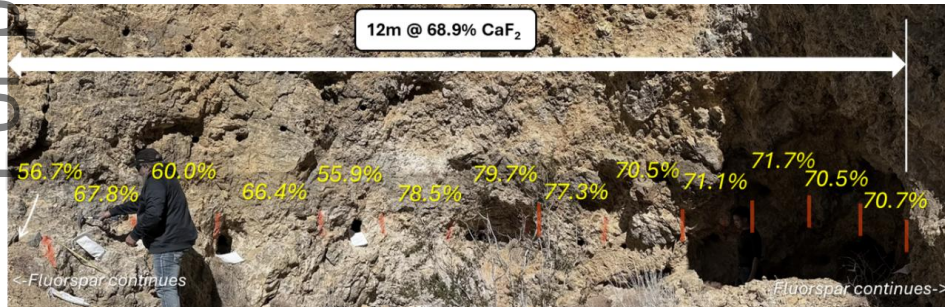
Continuous channel samples results include:

- ❑ 15m @ 75.8% CaF₂ including a peak value of 79.7% CaF₂
- ❑ 50m @ 63.9% CaF₂ including a peak value of 82.0% CaF₂

Likely extends up and down dip beneath silicified limestone and talus cover with **estimated thickness of 30m**

Grades support potential for Direct Shipping Ore (DSO) of Metspar (60–96% CaF₂)

Potential DSO Early Mining Option

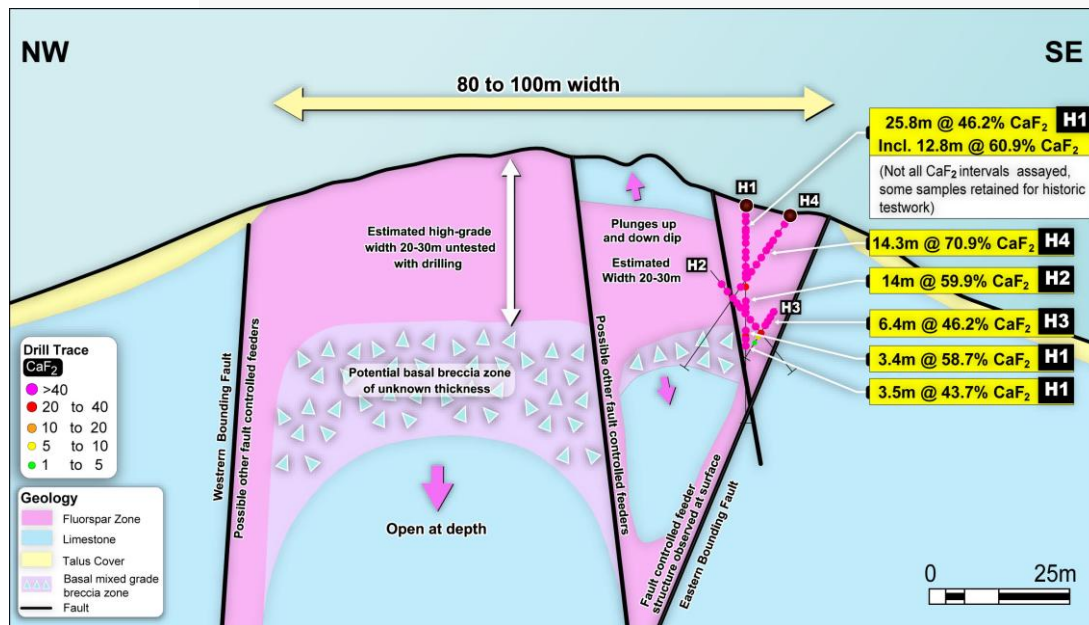


Refer [4 March 2026](#), [15 April 2026](#), [8 July 2026](#)

HORSESHOE DEPOSIT

Historic drilling with outstanding high-grade fluorspar (CaF_2) drill intercepts include:

- 14.3m @ 70.9% CaF_2** (from surface) – H4
 - Peak result of **84% CaF_2** over 1.5m
- 14.0m @ 59.9% CaF_2** (from 19.5m) - H2
 - Peak result of **86.7% CaF_2** over 1.5m
- 25.8m @ 46.2% CaF_2** (from 0.9m) – H1 including:
 - **12.8 m @ 60.9% CaF_2** (from 0.9m) | Peak result of **93.7% CaF_2** over 1.2m
 - **3.4 m @ 58.8% CaF_2** (from 16.8m) | Peak result of **82.0 % CaF_2** over 1.2m
 - **3.5m @ 43.7% CaF_2** (from 22.3m) | Peak result of **66.1% CaF_2** over 0.3m



- Historic drilling was conducted before the open-pit, so did not target the high-grade core
- Several sections not assayed indicating potential wider width
- Holes ending in veined/fracture material, indicating potential wider width with footwall breccia unassayed

BIG JIM DEPOSIT

Historic Workings from 1940s rediscovered

Massive purple fluorspar vein, inferred as historically reported lode reported with up to **98.6% CaF₂**

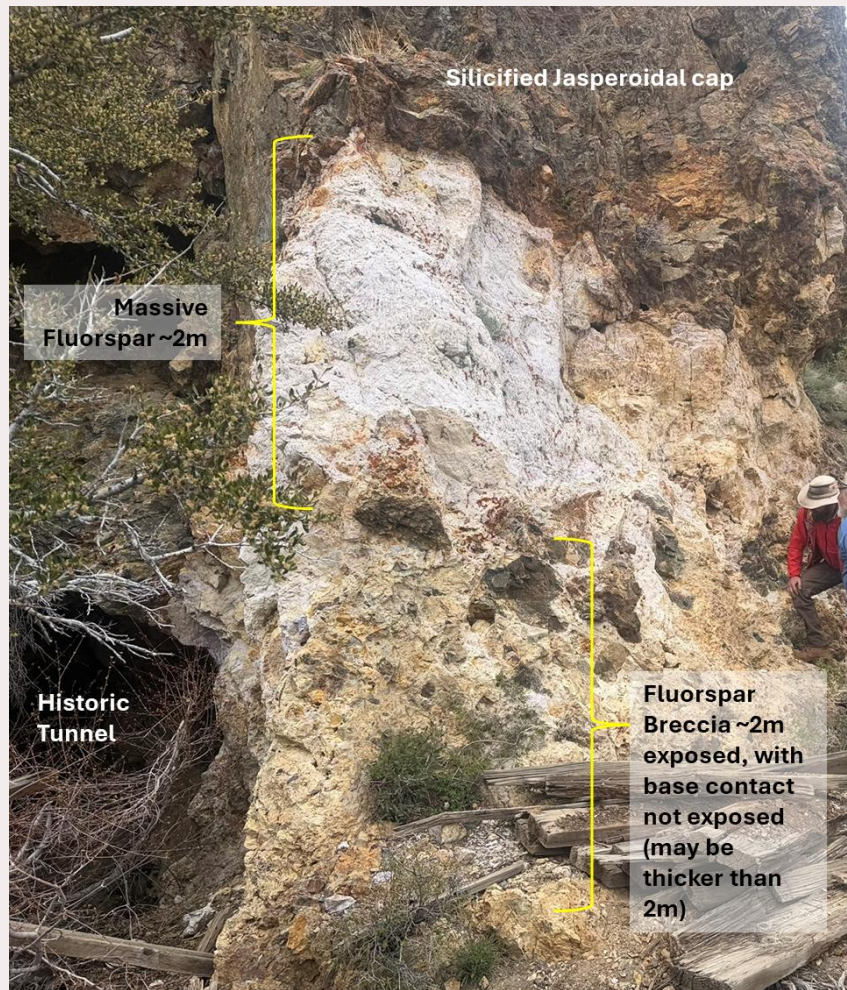
Exposed footwall breccia with lower contact not exposed (may be wider) inferred as historically reported “gangue” with **60% CaF₂**.

Historic workings mapped out **over >220m** with reported high-grade fluorspar throughout and at either **end (System open to the North and South)**

Multiple rock samples collected and pending assay

Drill plan underway

Visual estimates on Slide 20 and Slide 21 of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. Assays are expected to be received within the following weeks. For full details please refer to the ASX announcement on 12 May 2026.

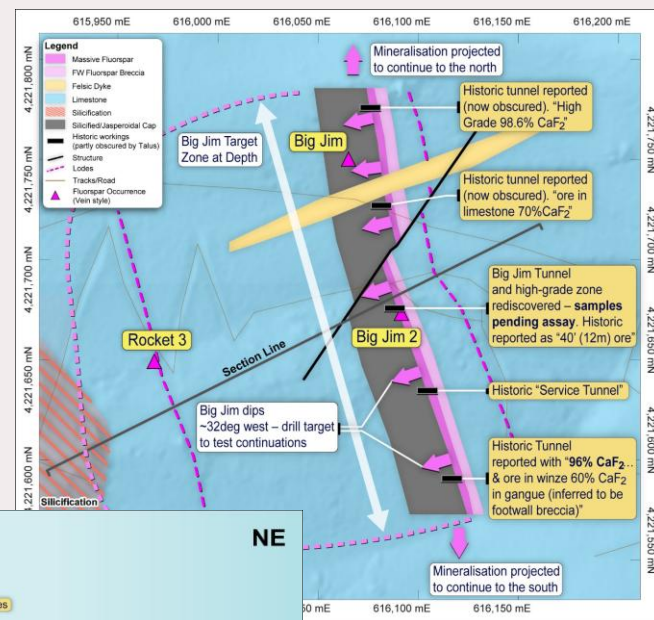
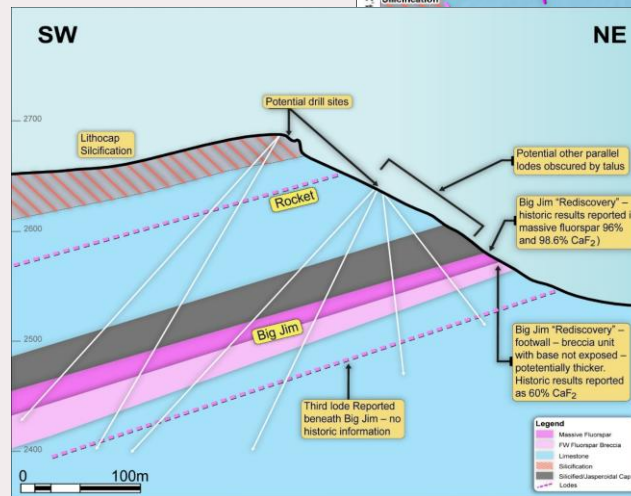


BIG JIM DEPOSIT

172°S (T) 11 N 616098 4221667 ±10m ▲ 2579r



Spectacular purple fluor spar at Big Jim



Refer [ASX announcement 4 March 2026](#) and [9 April 2026](#) and [7 April 2026](#)

MAMMOTH DEPOSIT

~9,000 m² mapped zone of high-grade fluor spar

Breccia fill fluor spar with 'raccoon-tail' textures

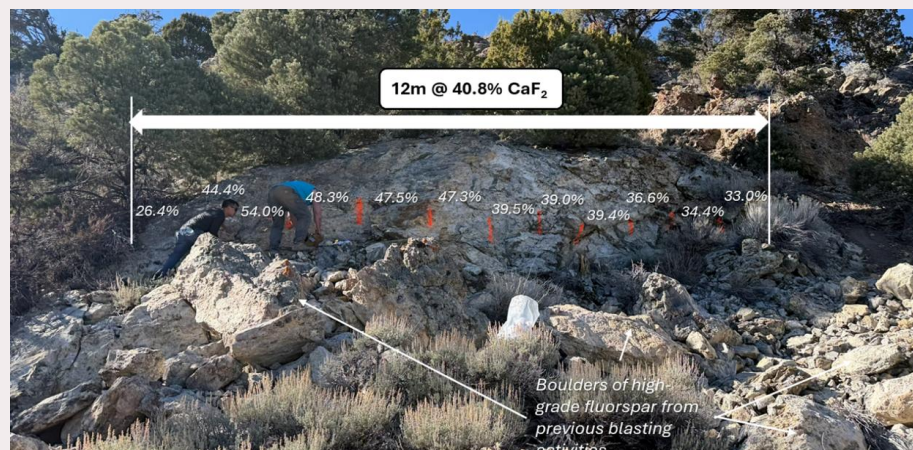
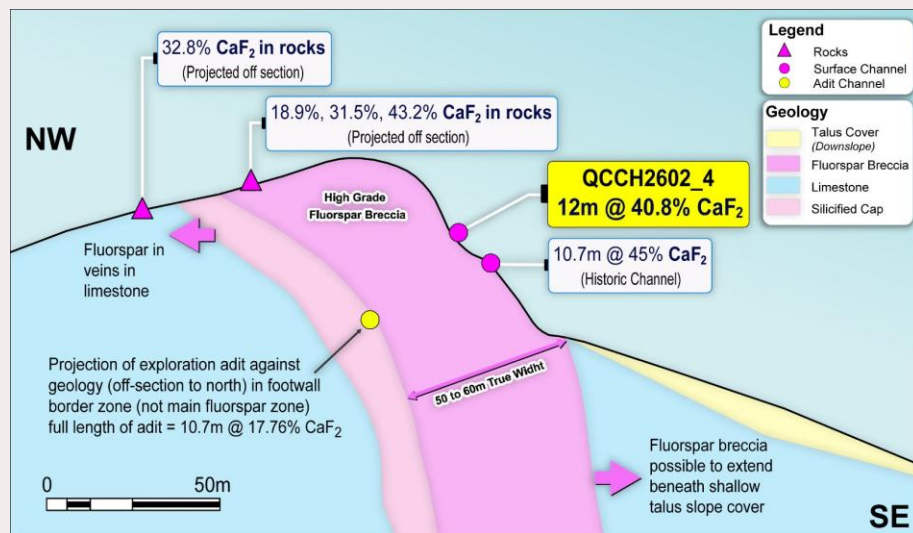
Previous sample results in the main zone including:

- ❑ Up to 80.1% CaF₂ in rock results
- ❑ 15.2m @ 48% CaF₂ in channel sampling
- ❑ 12m @ 40.8% CaF₂ in channel sampling
- ❑ 10.7m @ 44.9% CaF₂ in channel sampling

34.9% CaF₂ estimated average main zone grade

Channel sampling demonstrates persistent high-grade Fluor spar continuity across the exposed outcrop.

Geological indicators suggest the surface expression is representative of a potentially larger mineralised system extending at depth and along strike



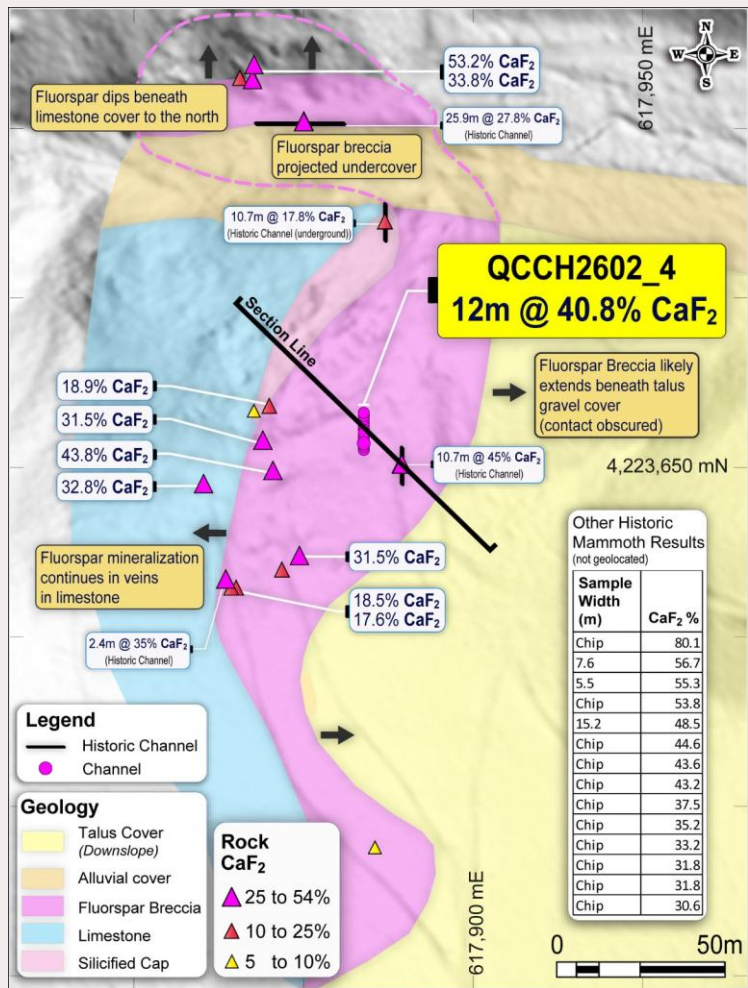
Refer [ASX announcement 4 March 2026](#) and [9 April 2026](#) and [7 April 2026](#)

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MAMMOTH DEPOSIT



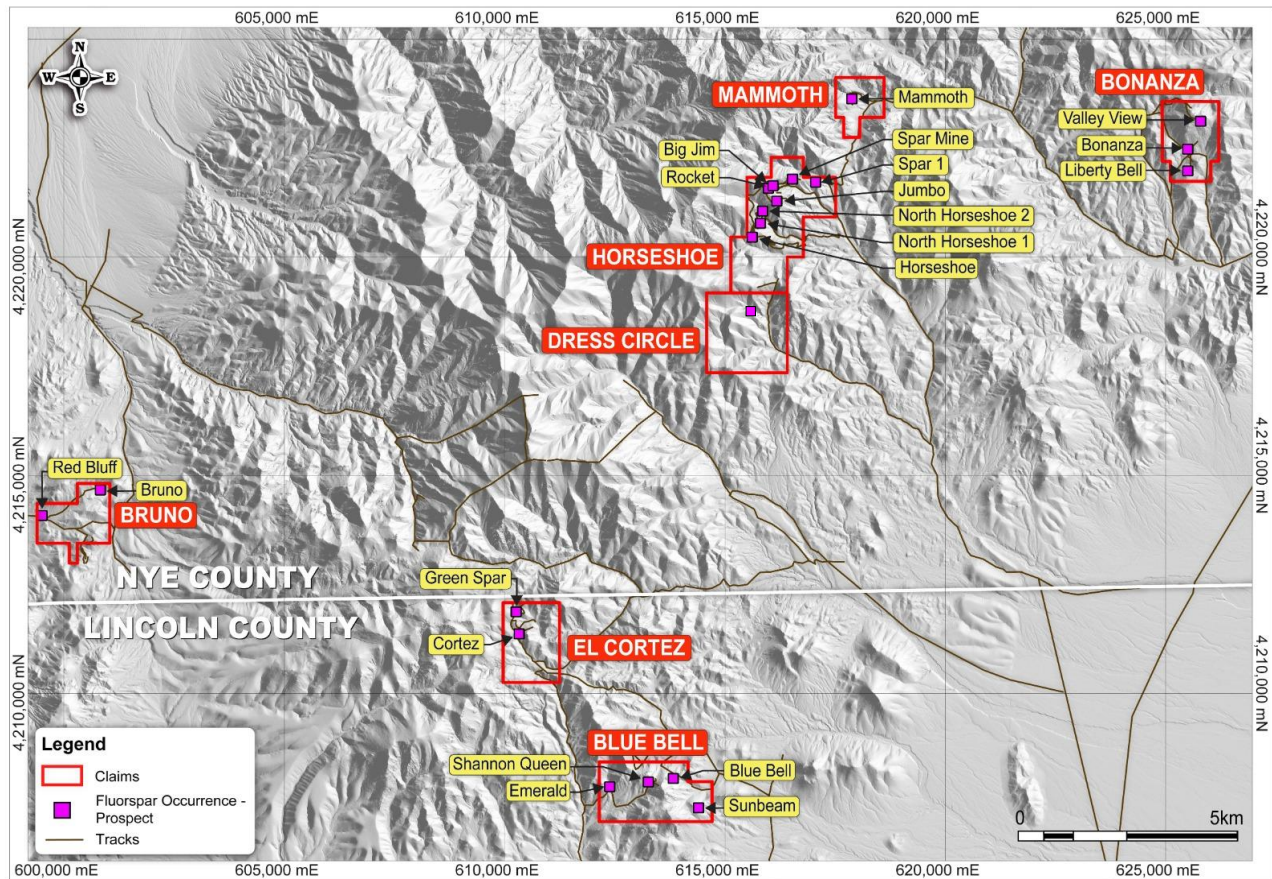
Northern extension of Mammoth with fluor spar outcropping and plunging into the side of the hill beneath unmineralized limestone cover.



ADDITIONAL PROSPECTS

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- **Spar Mine 6.1m @ 78% CaF₂** in channel sample
- **Dress Circle:** a 2km by 1.8km zone of intense alteration with P pathfinders
- **Blue Bell** - up to **88.8% CaF₂** in historic results in veins with stock-work breccia
- **Bonanza** - 'high-grade' in a 200m x 25m breccia body
- **11+ other occurrences** outside of main Horseshoe-Mammoth Corridor
- A CAMP of discoveries for future centralized milling infrastructure



Refer [ASX announcement 4 March 2026](#) and [25 March 2026](#) and [23 June 2026](#)



SIMPLE RESOURCE DELINEATION, MINING & PROCESSING



OD6 plans to delineate a Fluorspar resource at Quinn's through systematic drilling of known mineralisation



Based on the project's mining history and known geology, open pit mining methods should be suitable with underground mining options for some potential high-grade deposits



Processing pathway likely to be simple crushing, milling and flotation to produce an Acidspar product. Metspar could be produced as a simple crushed lump and fines product

ACIDSPAR & METSPAR PRODUCTION POTENTIAL

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- Reviewed results suggest Quinn mineralisation may be capable of producing Acidspar & Metspar
- Impurity levels are below typical global industry thresholds
- Metallurgical testwork program has commenced
- Representative samples collected from multiple deposits
- Strong potential for a Direct Shipping Ore (DSO) MetSpar Product at Horseshoe and Big Jim
- Conventional Grinding and Flotation identified as the primary method to produce Acidspar
- Bulk sample permit to be lodged to obtain larger samples for pilot-scale testing

"In just four months, OD6 has transformed Quinn from a historic project into a district scale, critical minerals project with multiple high-grade discoveries, a clear pathway toward maiden drilling and resource definition ."

Furthermore, there are multiple potential development pathways. We are particularly encouraged by the opportunity to evaluate an early-stage Metspar production pathway, while progressing metallurgical studies targeting premium Acidspar products."

***Comment Brett Hazelden
OD6 MD and CEO***



ACQUISITION TERMS

Favorable Deal, Based on Success

- Low risk upfront payment of A\$75k to acquire 120 day option, extendable for a further 60 days on A\$25k payment
- Option exercise payment of A\$200k (50% cash and 50% shares) upon OD6 being satisfied with due diligence and otherwise comfortable with completing.
- Drill permit approval payment of A\$200k (50% cash and 50% shares)
- Drill commencement payment of A\$350k (50% cash and 50% shares)
- Deferred payments of A\$3.25m (50% cash and 50% shares) are also payable upon achievement of certain milestones
- 2% net smelter royalty (NSR) on any fluorspar minerals recovered from the Project (**Fluorspar Royalty**), plus 1% NSR on all other metals
- Buyback of 50% of Fluorspar Royalty by making payment of US\$1 million and First Right of Refusal for sale of Royalty by Sellers

Deferred Milestones

- **Milestone 1 (\$500k)** – JORC-compliant Indicated Mineral Resource >2 million tonnes at an average grade >30% CaF₂
- **Milestone 2 (\$750k)** – JORC-compliant Indicated Mineral Resource >5 million tonnes at an average grade >30% CaF₂ and metallurgical recovery >75%
- **Milestone 3 (\$1M)** – Bankable Feasibility Study, based on JORC Ore Reserves and a IRR >20%
- **Milestone 4 (\$1M)** – Commencement of Commercial Production

NEXT STEPS

Systematic Exploration and Development Pathway

- **Finalise completion of the Quinn transaction**
- Receipt and interpretation of **pending assay results**
- Complete **geological modelling** and **drill targeting**
- On-going **detailed geological and structural mapping**
- Expanded **field programs**
- Identify and prioritise **drill targets**
- **Integration into permitting** activities
- Progress **metallurgical testwork** underway
- Lodge **bulk sample** permit applications
- Prepare **maiden drilling program**
- **Resource Definition**
 - **Development studies**



AI SEMI-CONDUCTORS

Fluorine is Non-Substitutable

Fluorine compounds are essential in **plasma etching and wafer cleaning** in semiconductor chips for use in AI

Plasma etching requires **fluorinated gases** for extreme precision

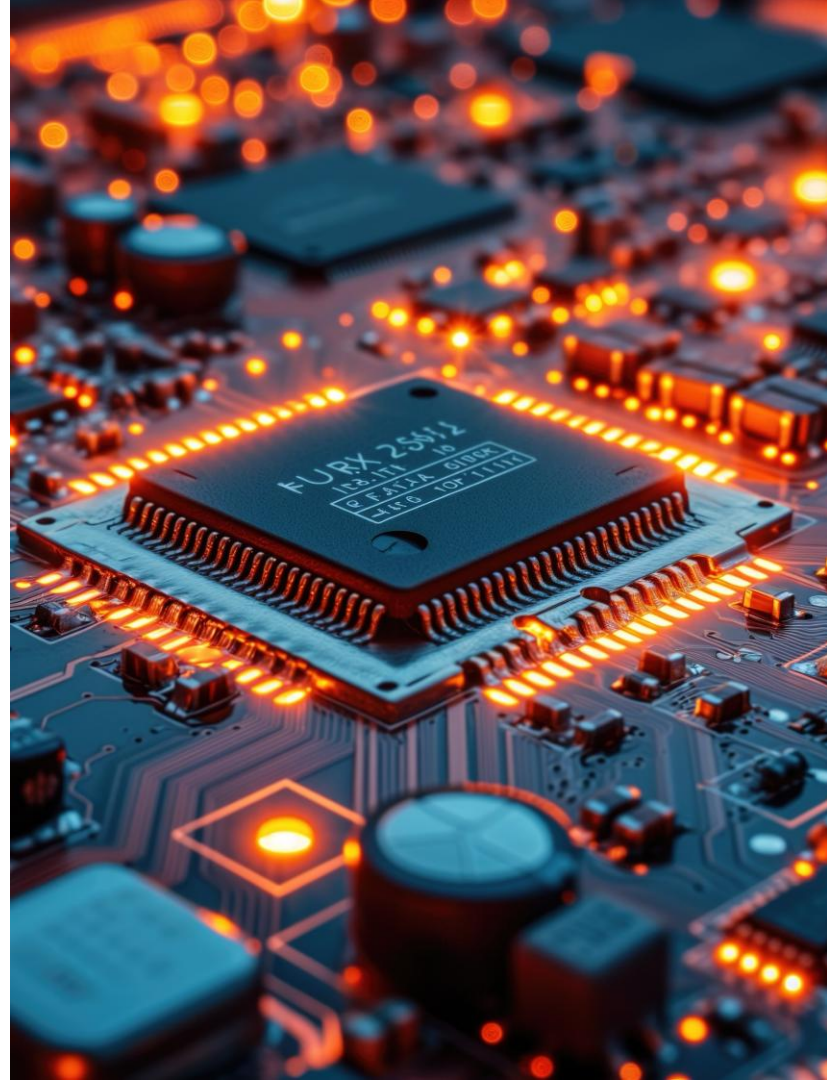
Tungsten hexafluoride (WF_6) [inventories are low currently](#)

Advanced logic nodes (AI GPUs) require higher etching intensity per wafer

TSMC, Intel & US domestic fabrication expanding capacity

US CHIPS Act investing US\$50+ billion

- More advanced chips = more fluorine per wafer



BATTERIES

No Fluorine, No Lithium Battery

- Advanced Lithium-ion batteries technologies use **LiPF_6** as the dominant electrolyte salt
- **4.5% Li , 20.5% P and 75% Fluorine by weight**
- **~1kg fluorine is required per 1 kWh of battery capacity**
- Higher-energy EV batteries require greater fluorine intensity per cell
- **Battery reality:** There is no commercially scalable lithium-ion chemistry without fluorine — and no fluorine without fluorspar.
- US domestic **EV and battery plant build-out** accelerating
- IRA incentives driving **US-based battery gigafactories**



NUCLEAR POWER

Fuel Rods Need Fluorine - UF_6

- Fluorine is a critical reagent in the enrichment of uranium as a nuclear fuel source
- Yellow Cake (U_3O_8) is converted to **Uranium Hexafluoride (UF_6)**, Enriched in Centrifuges, used in Nuclear Fuel Rods
- SMRs (Small Modular Reactors) expanding
- US nuclear fleet extensions
- Nuclear fuel demand rising
- Uranium enrichment capacity being reshored
- **AI Data Centers proposing Nuclear Power Stations for reliable power supply**

[Google joins Microsoft in plans to restart US nuclear plants to power AI infrastructure](#)



DEFENSE

Fluorine Underpins Military Capability

- Fluorine compounds are considered critical for:
 - Missile guidance electronics (semiconductor etching)
 - Radar and satellite systems
 - Jet engine components & high-temperature alloys
 - Military-grade lithium batteries
 - Uranium enrichment for naval propulsion
 - Specialty optical lenses (calcium fluoride crystals)
 - Submarine electronics
 - AI data centers
- **US seeks onshore supply chain sovereignty**



TVN CASE STUDY

Complementary Mines & Markets

- Tivan Ltd (TVN.ASX) Speewah Project hosts a JORC compliant Resource of:
43.2 Mt @ 8.3% CaF₂ (at a 2% CaF₂ cut-off grade)
containing 3.6 Mt CaF₂
- TVN targeting supplying Japan based on a
77.5% :22.5% JV with Sumitomo and JOGMEC
- CAPEX A\$301M, All in Sustaining OPEX A\$513 /t for
149 ktpa Fluorspar + 0.15 ktpa Metspar production
- OD6 grades significantly higher = potentially lower
CAPEX and OPEX Costs
- OD6 Quinn's targeting US market which currently
has ~400ktpa demand
- Significant upside potential for OD6

Refer: Tivan ASX Announcement [MRE 4 February 2026](#), and [FS Report 20 March 2026](#)
OD6 makes no representations regarding Tivan's Resource.

TVN MARKET CAP ~A\$640M



As 18 June 2026

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CONTACT US

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