OD6 METALS LTD

Advancing USA and Australian Critical Mineral Projects

AMEC WA Investor Briefing

ASX : OD6

18 August 2026

AMEC
2026 MEMBER
ASSOCIATION OF MINING AND EXPLORATION COMPANIES

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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Certain statements contained in this presentation, including information as to the future financial or operating performance of OD6 and its projects, are forward looking statements. Such forward looking statements:

- may include, among other things, statements regarding incomplete and uncertain proposals or targets, production and prices, operating costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- 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
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

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No representation is made that, in relation to the tenements the subject of this presentation, OD6 has now or will at any time in the future develop further resources or reserves within the meaning of the JORC Code.

CORPORATE SNAPSHOT

Capital Structure	ASX: OD6
Price per share [1]	A$0.13
Total number of shares on issue [2]	294.86 M
Unlisted options [2]	37.55 M
Listed 10c options (ASX:OD6O) [2]	33.7 M
Performance rights [2]	1.3 M
Market capitalisation (undiluted) [1]	A$38.3 M
Cash [2]	A$3.2 M
Debt [2]	Nil
Enterprise value	A$35.1 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

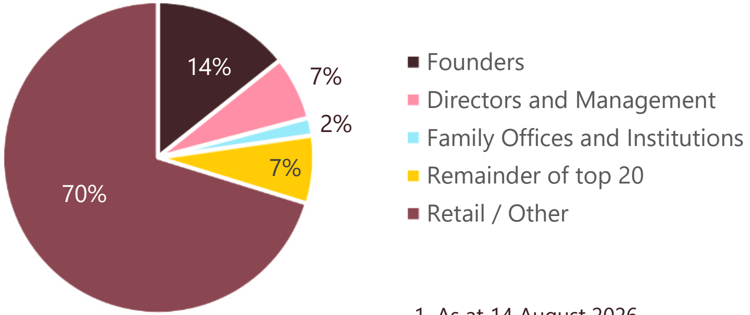
Dr Darren Holden
Geological Advisor

Hon Julie Bishop
Strategic Advisor

next investors™

East Coast RESEARCH

Register Detail & Research



1. As at 14 August 2026
2. As at 1 July 2026

BUILDING A MULTI-COMMODITY CRITICAL MINERALS COMPANY

QUINN FLUORSPAR - USA

SPLINTER ROCK RARE EARTHS - WA

GULF CREEK COPPER - NSW

SPLINTER ROCK REE PROJECT HIGHLIGHTS

A 100% Owned Australian Critical Minerals Project

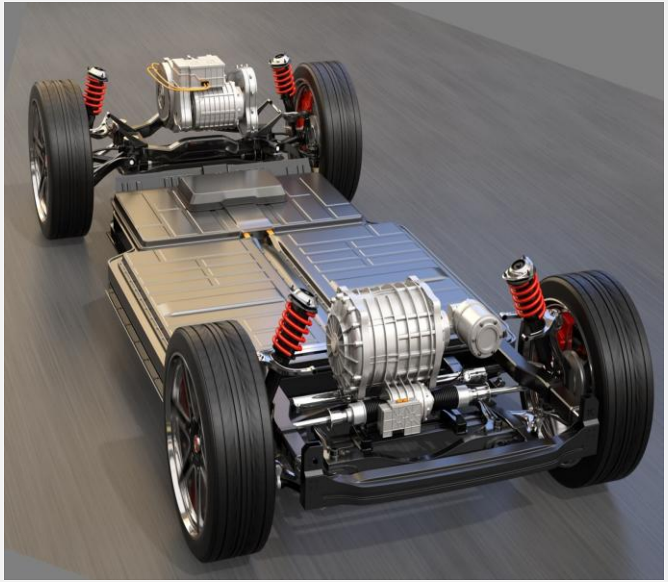
- Strong Rare Earth Demand Fundamentals
- 682Mt at 1,338 ppm TREO JORC Resource
- High Grade Inside Centre 119Mt at 1,632ppm TREO (Indicated)
- ~75% Nd & Pr Overall Recovery
- High-quality Mixed Rare Earth Carbonate (MREC) of ~56% TREO
- High-quality Mixed Rare Earth Hydroxide (MREH) of ~59% TREO
- Superior product quality with low levels of impurities (Al, Fe, P, Si)
- Extremely low uranium and thorium content (<0.001% U + Th)
- Optimised capital and operating cost drivers
- Offtake Engagement – North America, Europe & Asia
- Positive Study Outcomes - ANSTO and CPC
- Accelerated Scale up Testing at ANSTO - 2.5t Metallurgical Core

1. Refer to ASX Announcement Mineral Resource Estimate Doubles
2. Refer to ASX Announcement IX Improves Processing Flowsheet
3. Refer to ASX Announcement High Quality MREC produced

NEXT STEPS AT SPLINTER ROCK

Advanced Metallurgical Testwork and Studies

- **ANSTO Testwork Scale Up:**
  - **Heap leach Optimisation:** Heap Leach duration and kinetics, Acid strength and consumption, Counter current heap configuration, Particle agglomeration methodology
  - **Impurity Removal Verification:** Nanofiltration (NF) acid recovery, Ion Exchange (IX) selectivity, two stage Impurity Removal (IR) optimisation
  - **Bulk MREC and MREH Production:** Precipitation to produce >1 kg of MREC and/or MREH for customer qualification, offtake discussions, and to assess commercial payability options
- **Mining Study:** Inside Centre Deposit pit shells, stripping ratios, mine scheduling and preliminary mining costs
- **Engagement with potential offtake partners**
- **Engagement with government and potential financing partners**
- **Review Selective Nd, Pr, Tb and Dy Oxide Production Potential**

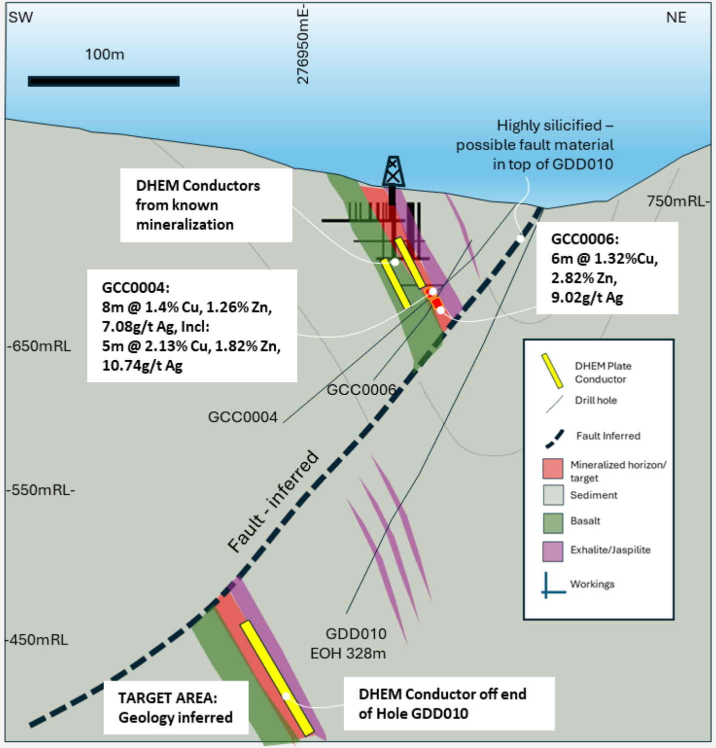


1. Refer ASX Announcement – Innovative Process Flowsheet Selected with High Recoveries at Splinter Rock

GULF CREEK COPPER PROJECT HIGHLIGHTS

Advanced Metallurgical Testwork and Studies

- Record copper prices supported by strong market fundamentals
- Copper up to 4.6% Confirmed in Phase 1 Drilling
- High Grade Production History (Up to 12% Cu)
- Multiple High Priority Targets
- >3km to 10km of VMS target horizon
- Down Hole EM (DHEM) survey completed have identified targets a **Strong conductor identified approximately 75m beyond the end of hole GDD010**
- Geological reinterpretation indicates a **potential fault offset** of historic high-grade lodes mined
- DHEM results at the **Northwest Target indicates a possible additional conductor**
- Continued drilling during 2026



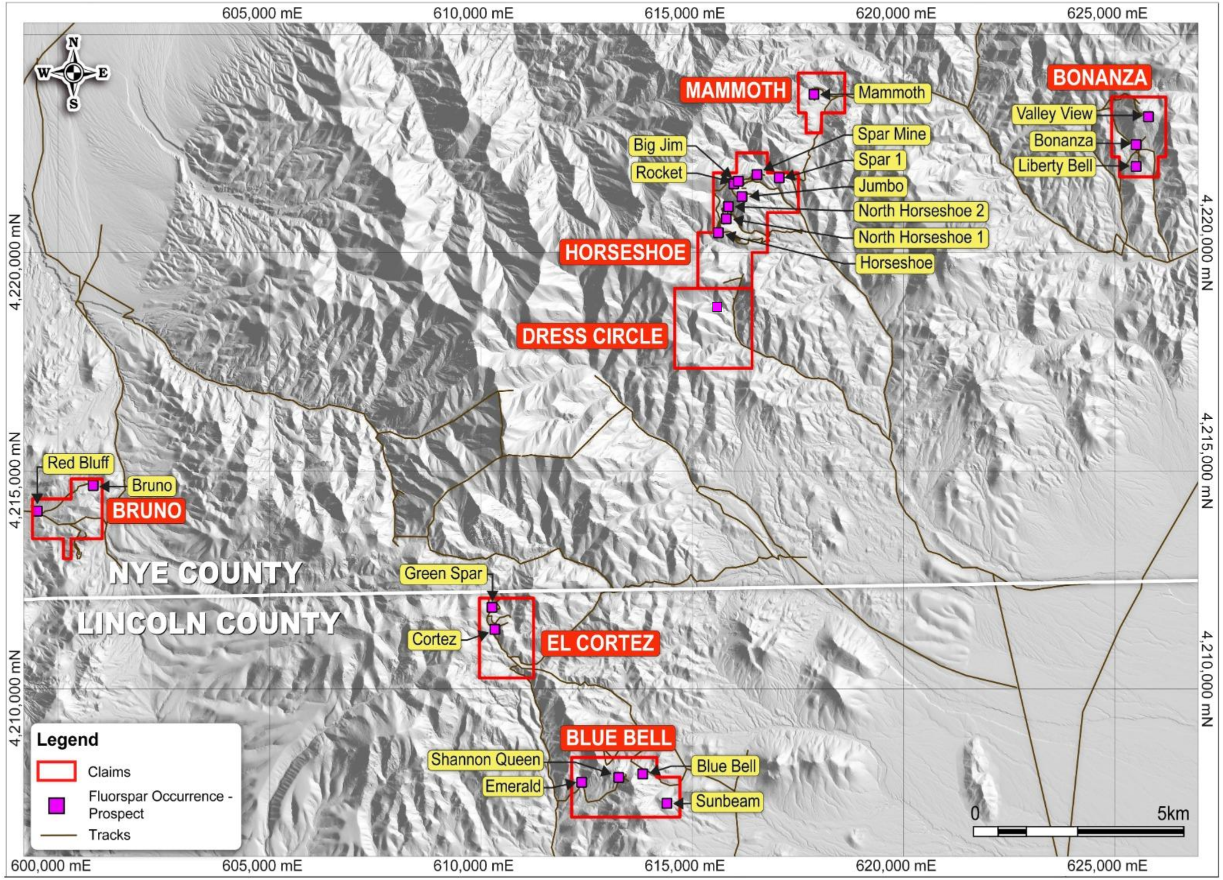
Refer to [ASX Announcement Down Hole Electromagnetic Survey Identifies off Hole Conductor]

Quinn Fluorspar Project Acquisition Completed

A Strategic US Critical Mineral Opportunity

ACQUISITION COMPLETE - WHY QUINN IS SPECIAL

- ✓ Genuine district-scale opportunity 226 mining claims (4,670 acres)
- ✓ Large Epithermal System
- ✓ +20 Fluorspar Occurrences
- ✓ Exceptional high-grade assays
- ✓ Thick Intersections at Surface
- ✓ 8km fertile mineralised corridor
- ✓ Multiple high-priority drill targets
- ✓ Hub-and-spoke central mill development strategy
- ✓ Low impurity chemistry
- ✓ Early Metspar project potential at Horseshoe and Big Jim
- ✓ Acidspar Optimisation Underway
- ✓ Permitting program underway
- ✓ Gold Upside



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**
- White House Order for **domestic acquisition of critical materials - Executive Order 14415**
- The designation reflects:
  - High import dependence
  - Concentrated foreign supply
  - Essential downstream industrial uses
- **Australia, EU, Canada, Japan** – recognised Critical Mineral

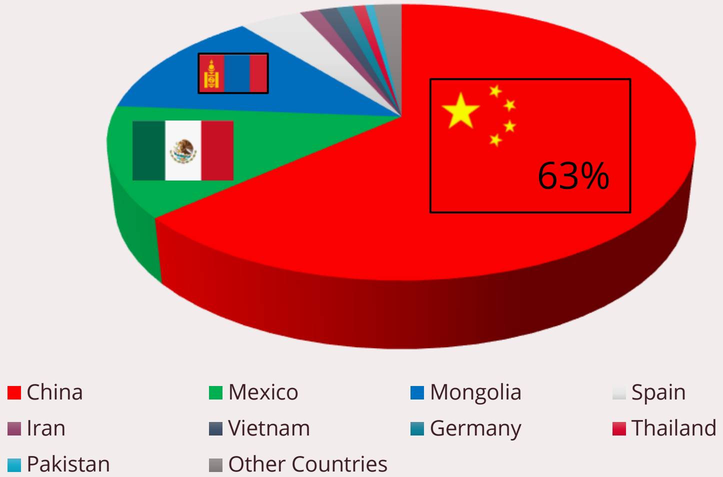
SUPPLY RISK

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)*



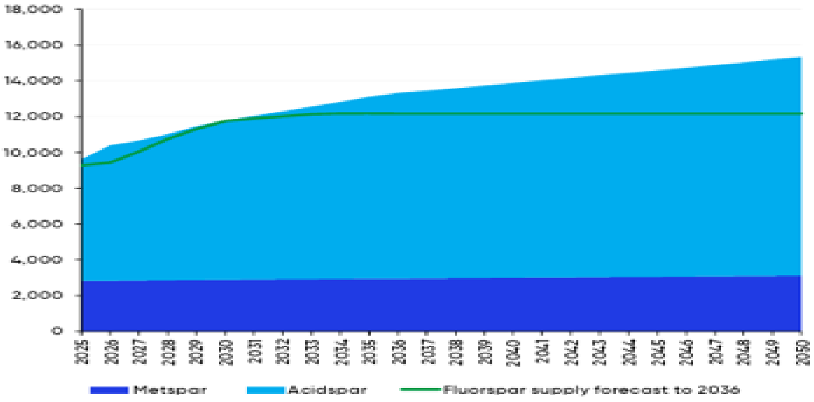
Source: https://www.statista.com/statistics/1051717/global-fluorspar-production-by-country/#google_vignette

ABOUT FLUORSPAR

A ~US$4.3 Billion Global Market

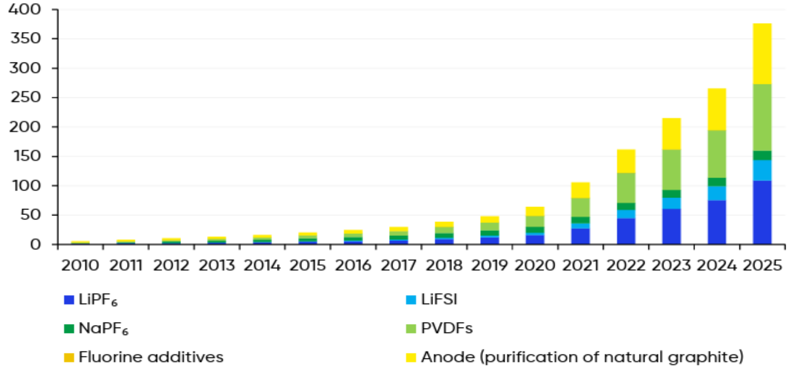
- Fluorspar is the main mineralogical source of fluorine
- High-grade fluorspar is typically upgraded through simple processing to produce concentrates
- >97% CaF_2 concentrate known as **Acidspar – used to produce Hydrofluoric (HF) acid**
- 60–96% CaF_2 product known as **Metspar – used in steel & aluminium production**
- Fluorspar is essential in
    - AI 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

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

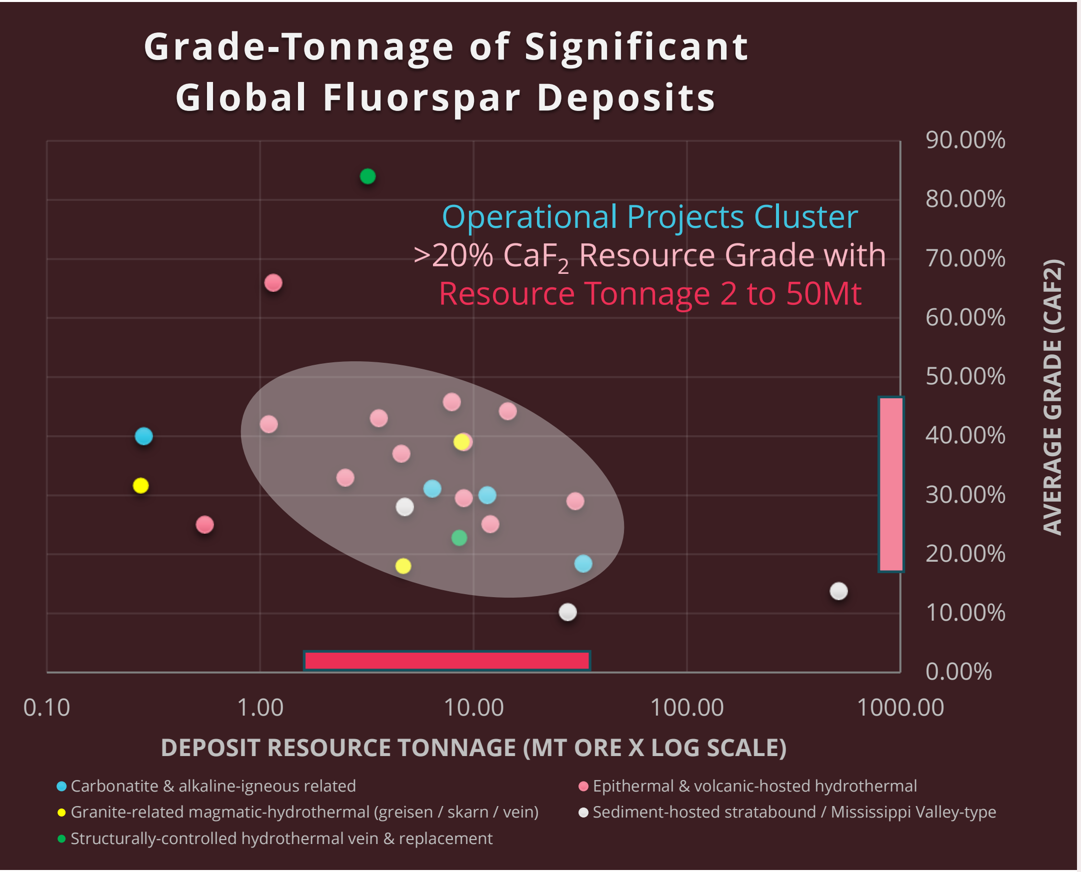
United States, initiatives such as the "**FAST-41**" permitting pathway may support accelerated development for priority mineral projects.

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.

GLOBAL CONTEXT



Data source: Project Blue 2026, USGS 2017, Company Research

TVN CASE STUDY

Complementary Mines & Markets

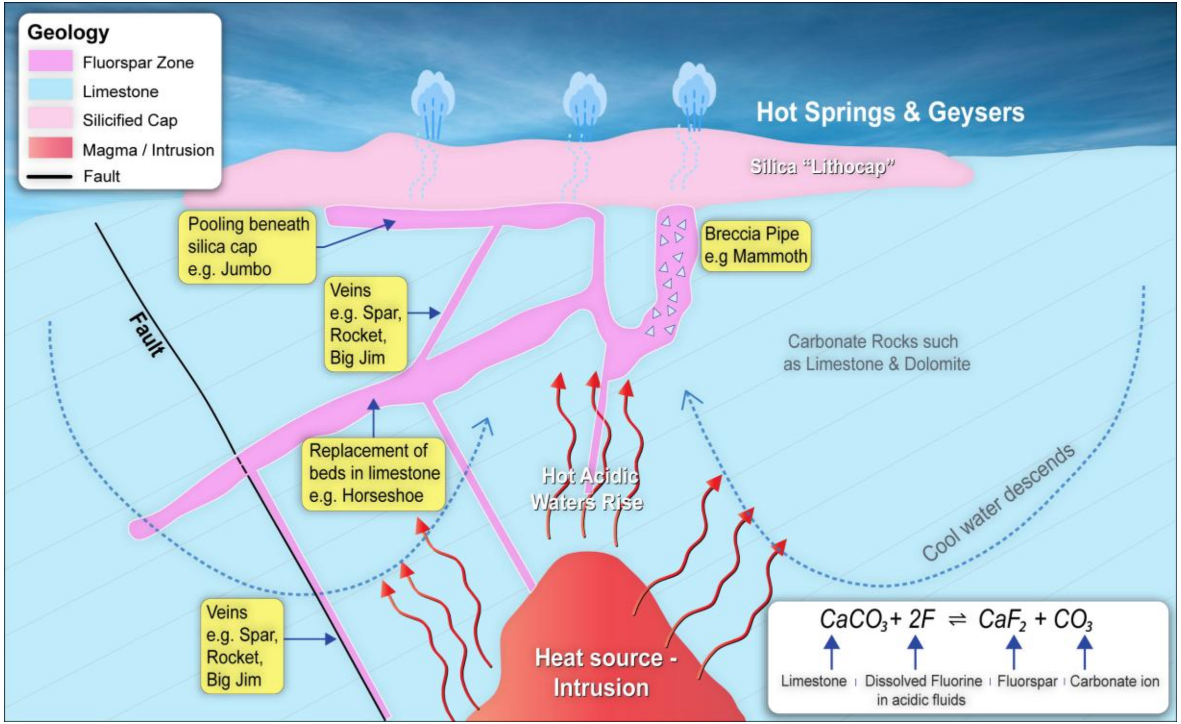
- Tivan Ltd (TVN.ASX) Speewah Project hosts a JORC compliant Resource of: 43.2 Mt @ 8.3% CaF_2 (at a 2% CaF2 cut-off grade) containing 3.6 Mt CaF_2
- TVN targeting supplying Japan based on a 77.5% :22.5% JV with Sumitomo and JOGMEC
- CAPEX A$301M, All in Sustaining OPEX A$513 /t for 149 ktpa Fluorspar + 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.

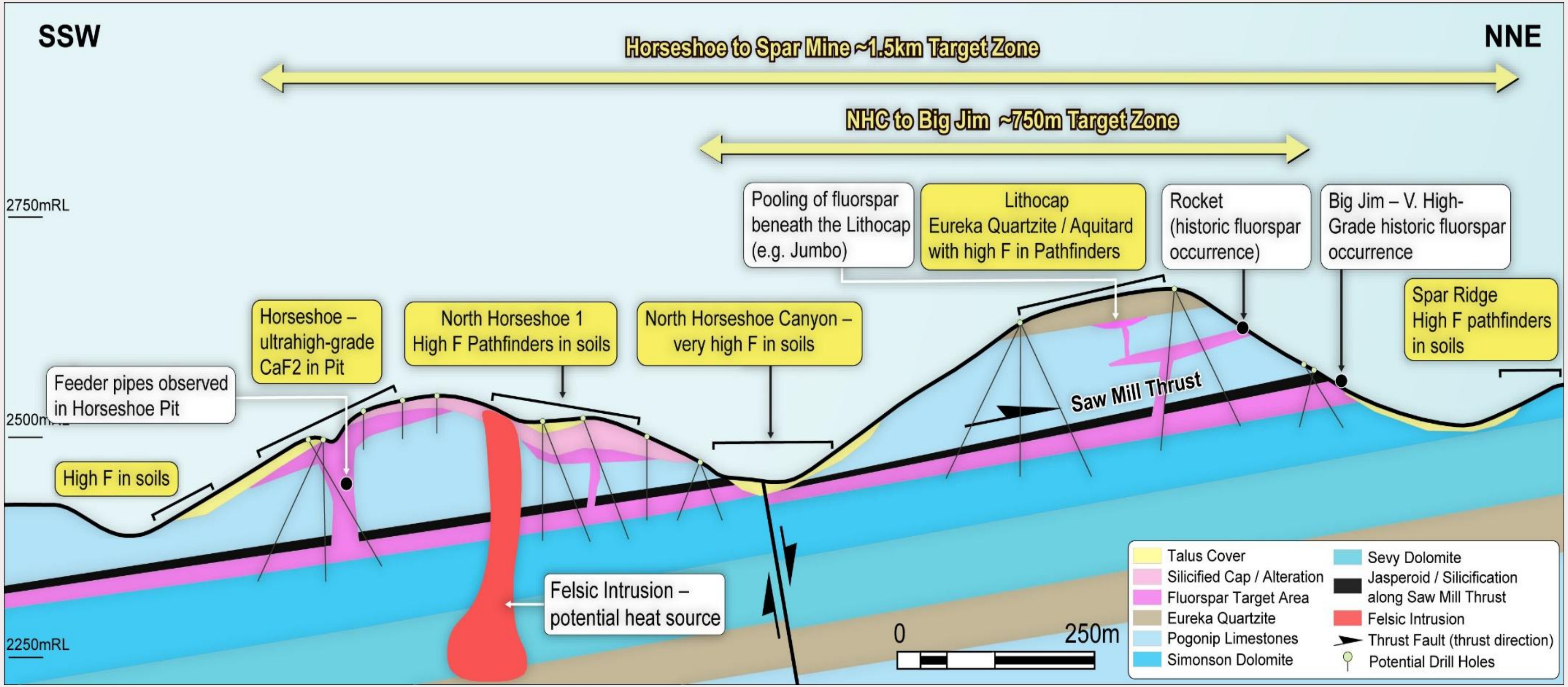
EPITHERMAL FLUORSPAR FORMATION

- Fluorspar deposits form in the near surface epithermal environments
- **Fluorine bearing hydrothermal acidic fluids rise from an intrusive source**
- **Hot fluorine-rich fluids** reacted with limestone ($CaCO_3$), replacing it with high-grade fluorspar
- 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**



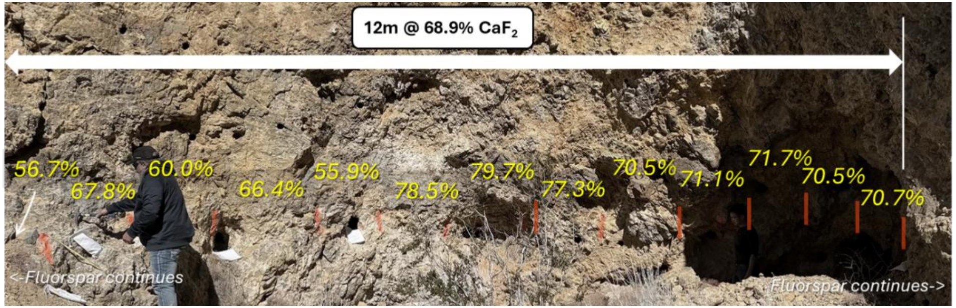
HORSESHOE TO BIG JIM CORRIDOR - FLUORSPAR

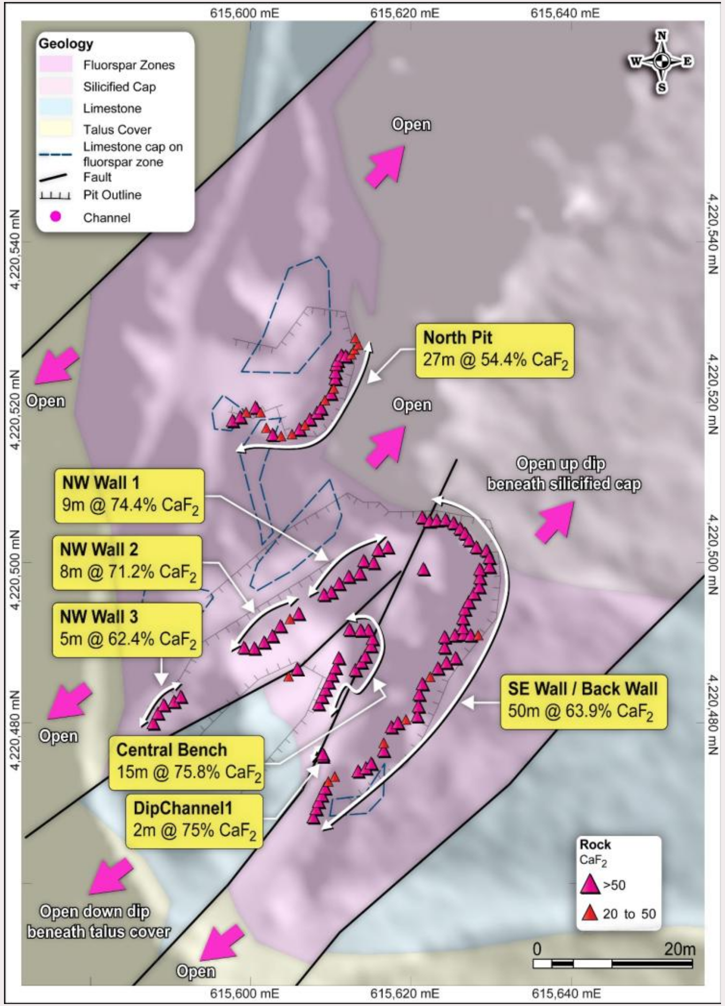
Full System Targets EMERGING. Drill Permitting Underway



HORSESHOE FLUORSPAR 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% CaF_2** including a peak value of 79.7% CaF_2
  - ❑ **50m @ 63.9CaF_2** including a peak value of 82.0% CaF_2
- 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% CaF_2)
- **Potential DSO Early Mining Option**





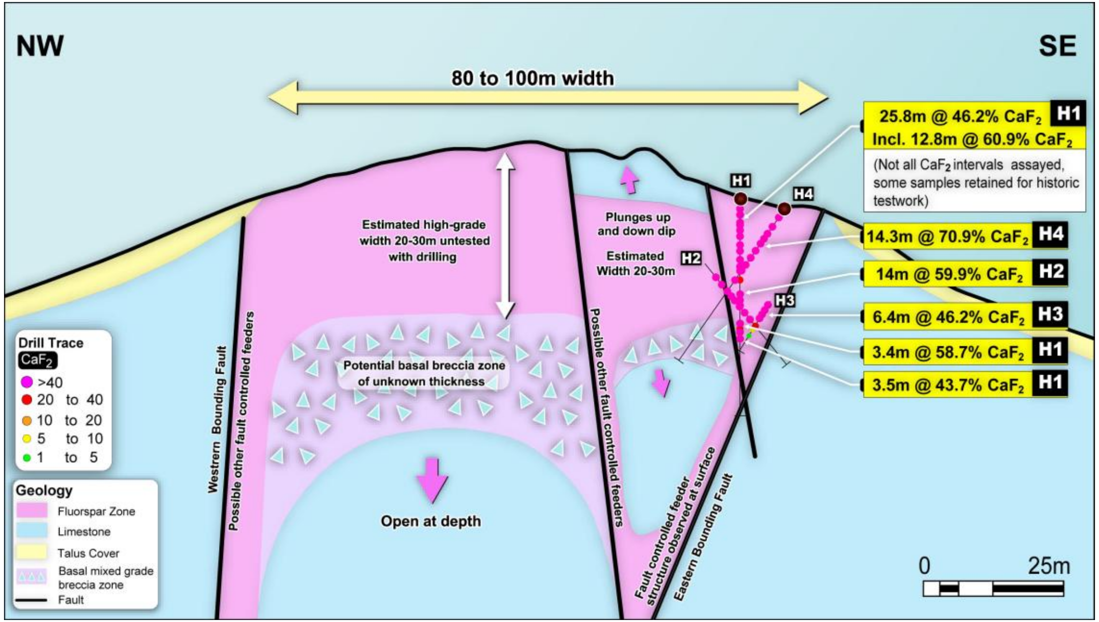
Refer 4 March 2026, 15 April 2026, 8 July 2026

OD6 METALS | A CRITICAL MINERALS COMPANY

HORSESHOE FLUORSPAR 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*



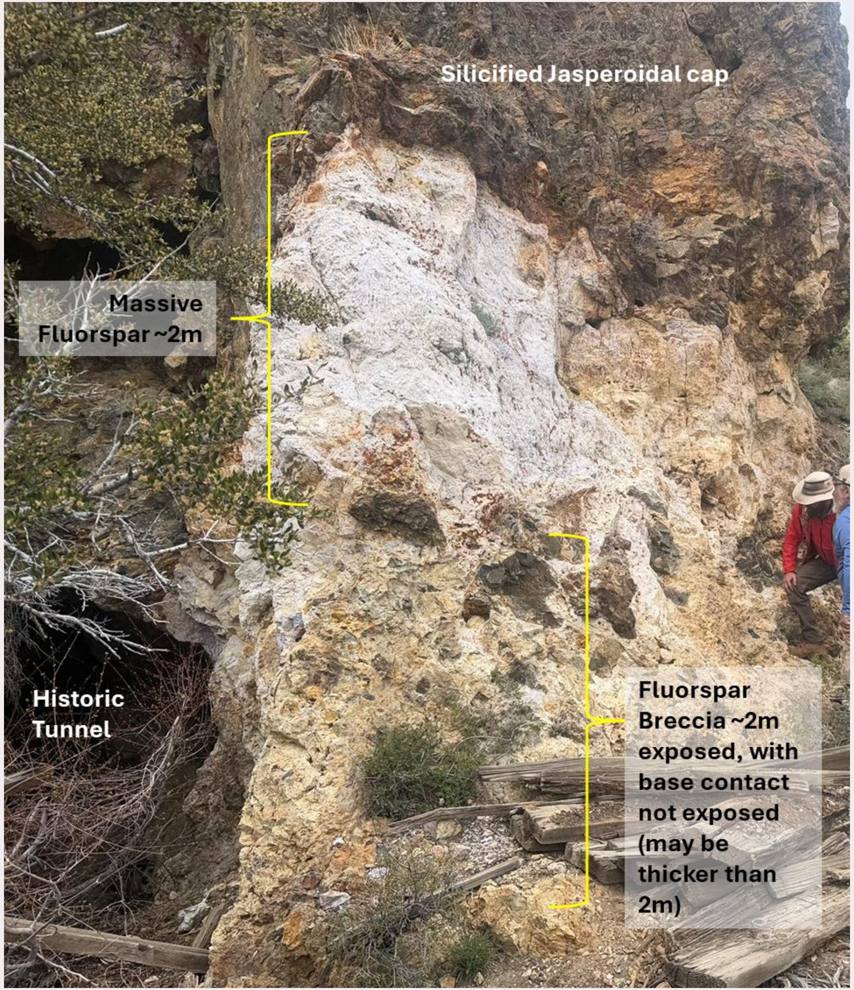
- Historic drilling was conducted before the open-pit, so did not target the high-grade core
- Several sections not assayed indicating potential wider width
- Holes ending in veined/fracture material, indicating potential wider width with footwall breccia unassayed

Refer ASX announcement 4 March 2026, 15 April 2026, 14 May 2026

BIG JIM FLUOSPAR DEPOSIT

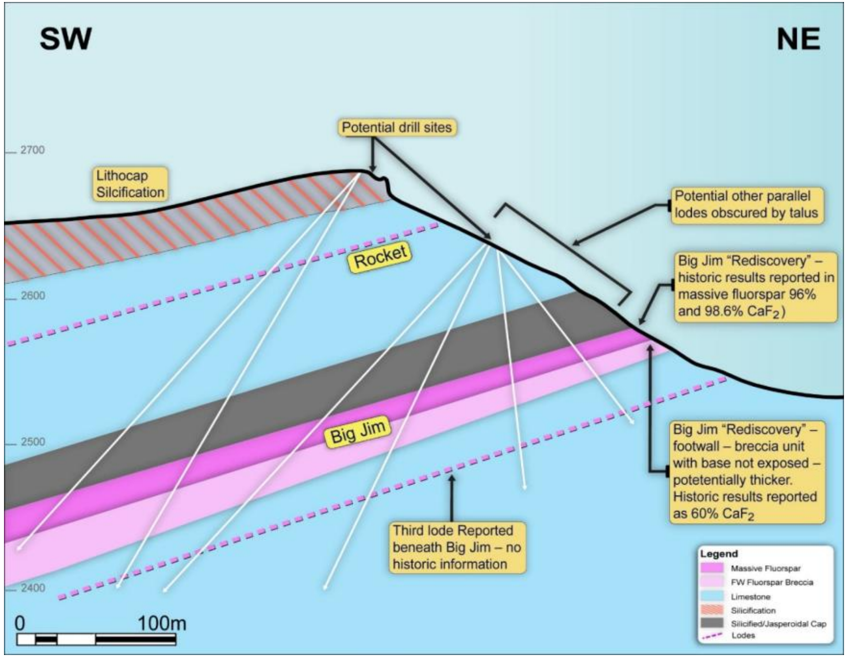
- **Historic Workings from 1940s rediscovered**
- **Massive purple fluorspar vein**, inferred as historically reported lode reported with up to **98.6% CaF2**
- **Exposed footwall breccia with lower contact not exposed (may be wider) inferred** as historically reported "gangue" with **60% CaF2.**
- Historic 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

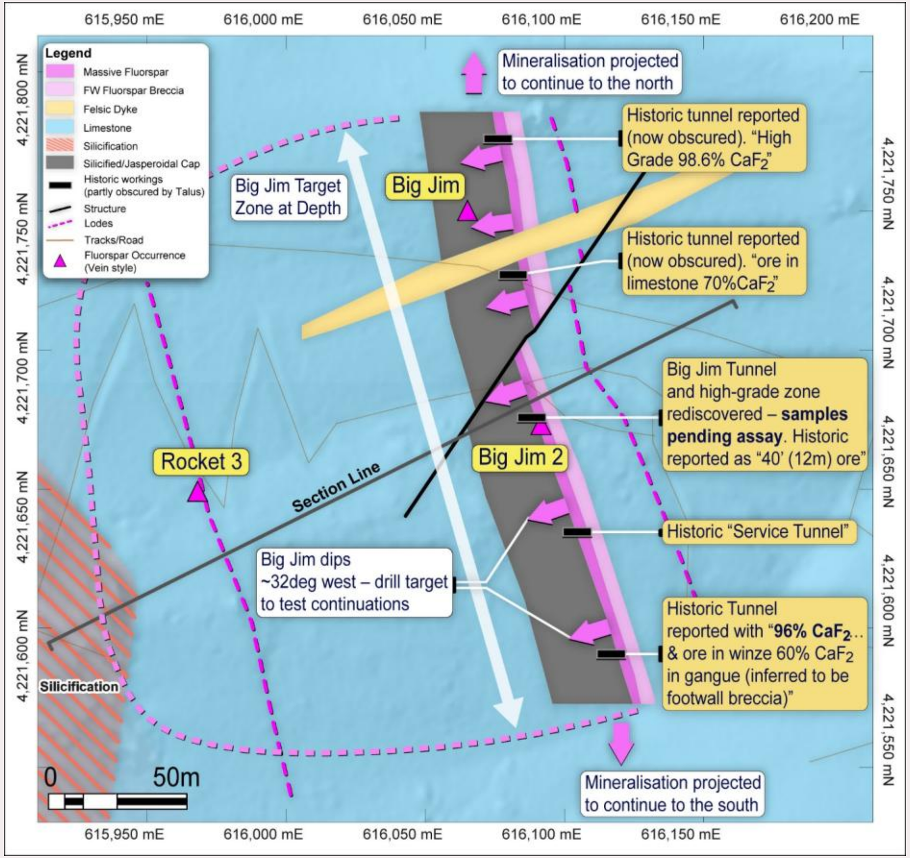
Visual estimates on this slide, of mineral abundance, should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical 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.



Refer ASX announcement 4 March 2026 and 12 May 2026

BIG JIM FLUOSPAR DEPOSIT

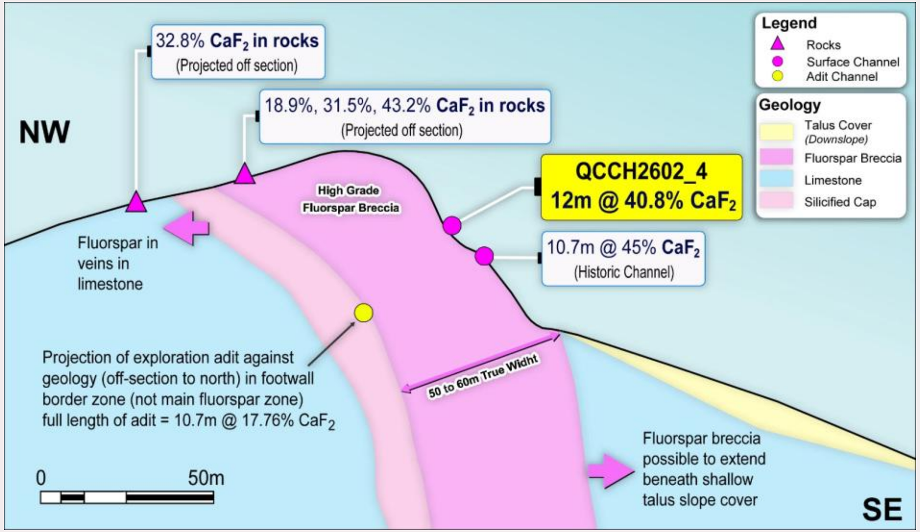


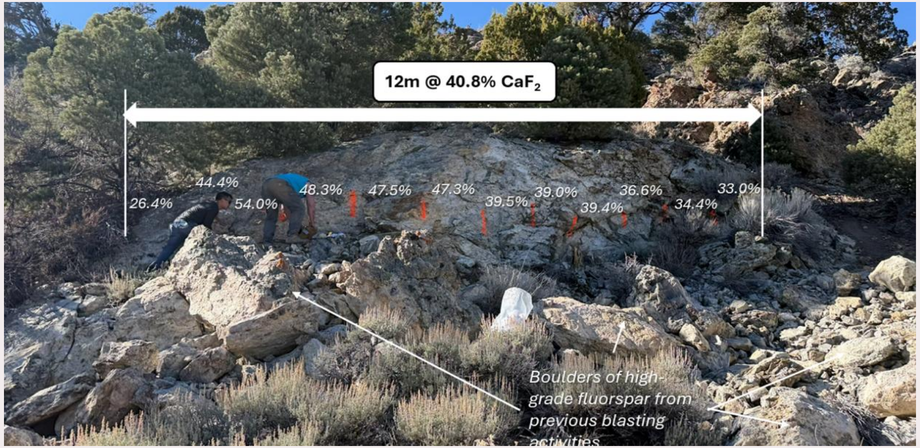


Refer ASX announcement 4 March 2026 and 9 April 2026 and 7 April 2026

MAMMOTH FLUORSPAR DEPOSIT

- **~9,000 m2** mapped zone of high-grade fluorspar
- Breccia fill fluorspar with ‘raccoon-tail’ textures
- Previous sample results in the main zone including:
  - **Up to 80.1% CaF_2** in rock results
  - **15.2m @ 48% CaF_2** in channel sampling
  - **12m @ 40.8% CaF_2** in channel sampling
  - **10.7m @ 44.9% CaF_2** in channel sampling
- **34.9% CaF_2** estimated average main zone grade
- Channel sampling demonstrates persistent high-grade Fluorspar 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

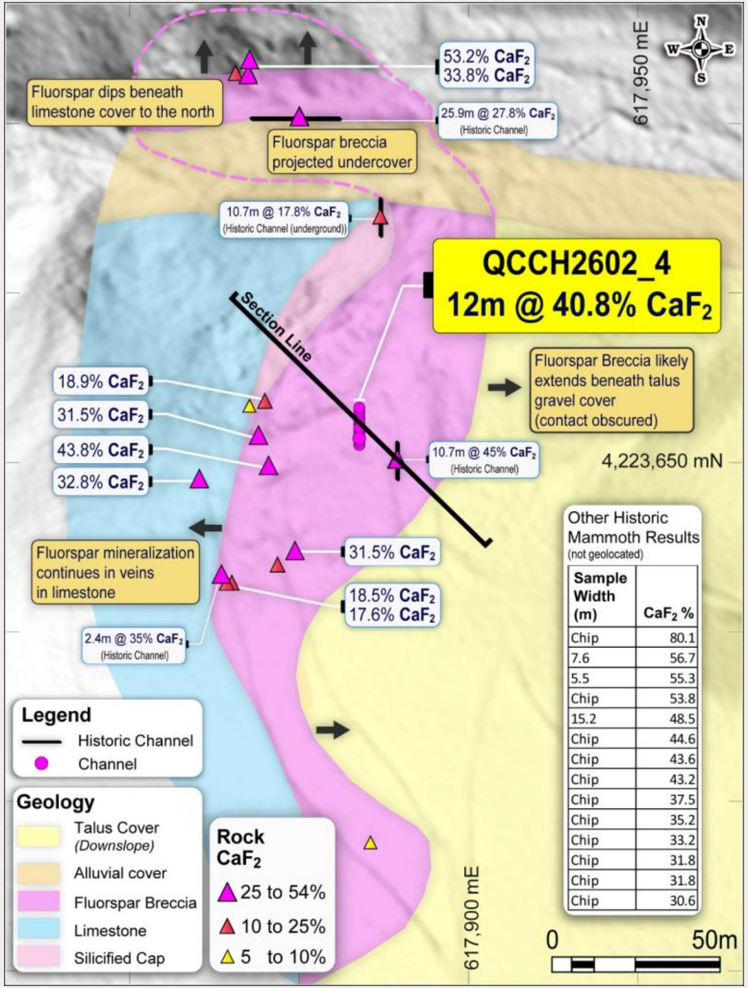




Refer ASX announcement 4 March 2026 and 9 April 2026 and 7 April 2026

MAMMOTH FLUORSPAR DEPOSIT

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

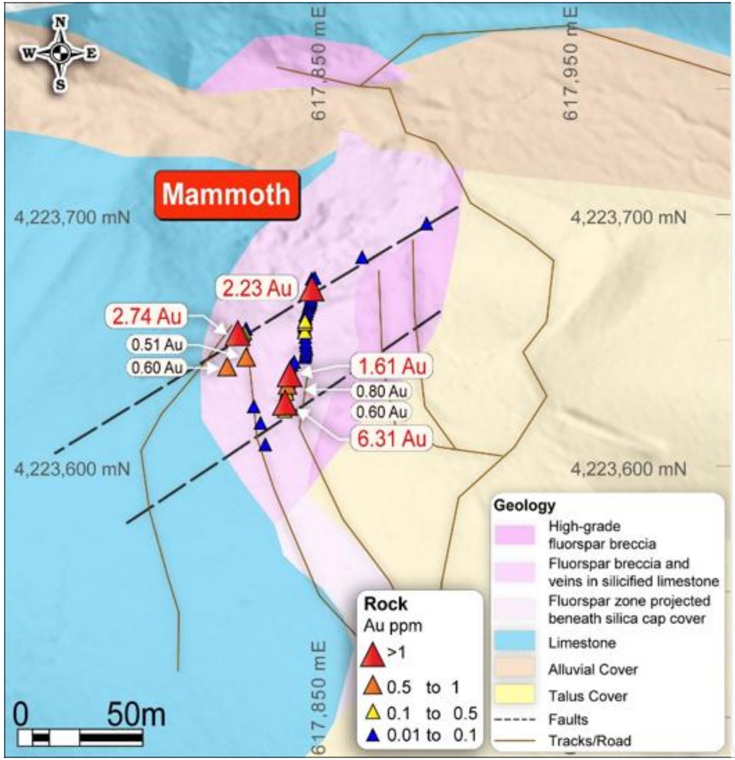


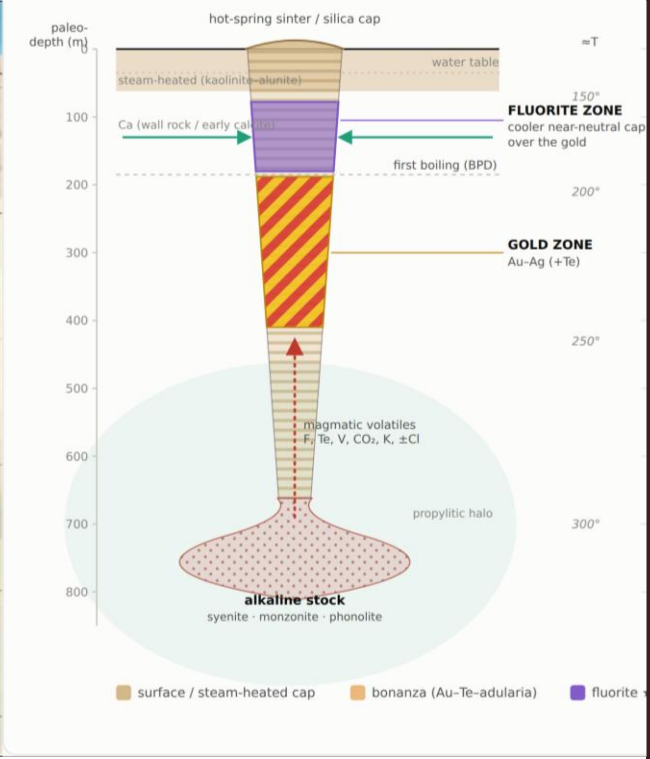
Refer ASX announcement 4 March 2026 and 9 April 2026 and 7 April 2026

MAMOTH GOLD & FLUORSPAR

Significant epithermal Au in system

- **6.31g/t, 2.74g/t, 2.23g/t Au** in rocks
- Footwall to the main fluorspar breccia
- Additional soil results beneath silica cap

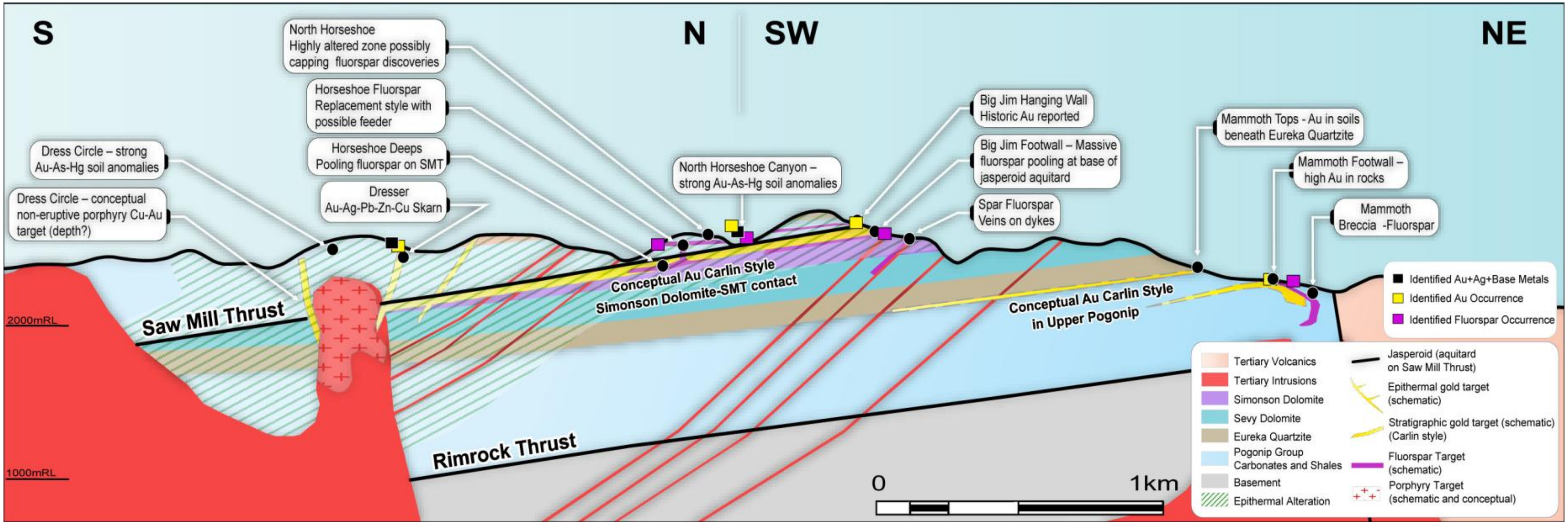




Refer announcement [29 July 2026]

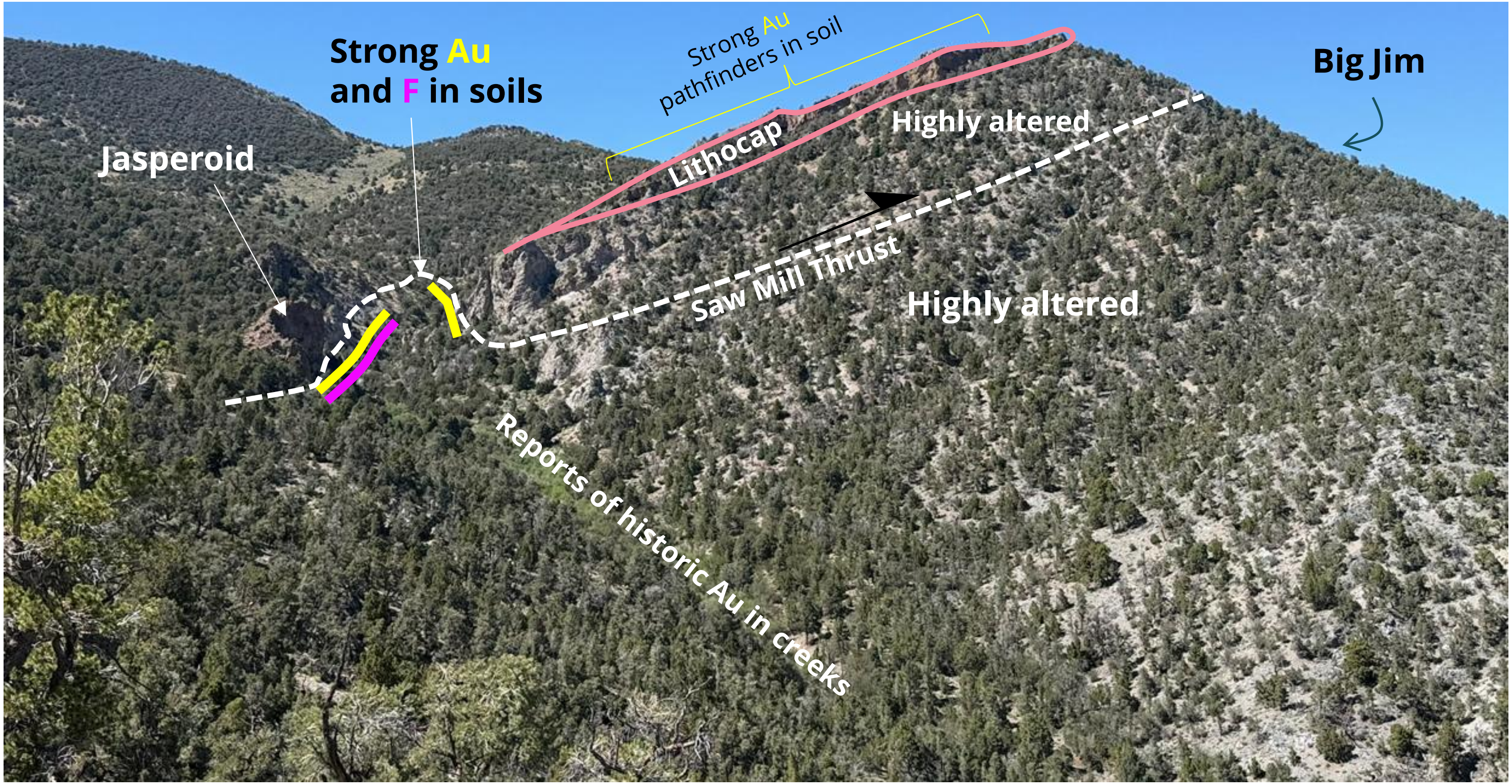
MULTIPLE TARGET STYLES – ONE AREA

Fluorspar and gold may represent different parts of the same mineralising system.



Refer announcement 29 July 2026

NORTH HORSESHOE CANYON GOLD & FLUORSPAR

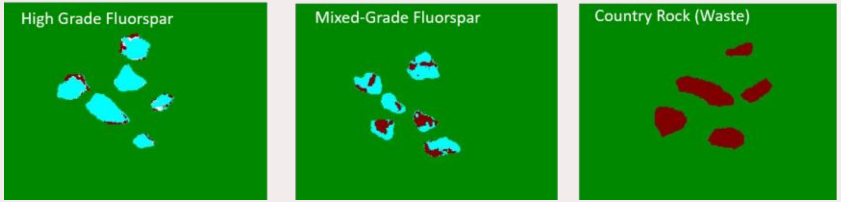


ACIDSPAR & METSPAR PLUS ORE SORTING PATHWAYS

- Reviewed results suggest Quinn mineralisation may be capable of producing Acidspar & Metspar
- Strong potential for a low CAPEX Direct Shipping MetSpar Product at Horseshoe and Big Jim
- Conventional Grinding and Flotation identified as the primary method to produce Acidspar
- Independent QXRD mineralogy strongly corroborates the exceptional fluorspar content
- Metallurgical testwork program has commenced on 166kg mining domain suite of samples
- Integrating mineralogy, size-by-assay, grind optimisation, Heavy Media Separation (HMS), rougher and cleaner flotation and impurity characterisation
- Bulk sample permit to be lodged to obtain larger samples for pilot-scale testing

Refer ASX announcement [16 June 2026]and [20 May 2026]

- Highly encouraging TOMRA **ore sorting results demonstrate clear discrimination** between high-grade fluorspar, lower-grade/mixed material & waste
- Very low levels of gangue and deleterious elements arsenic, cadmium, base-metals, sulphur or uranium
- Impurity levels are below typical global industry thresholds
- Early waste rejection has the potential to increase CaF_2 feed grade while reducing tonnes reporting to downstream processing = reduced CAPEX and OPEX



Laser ore-sorting technology by TOMRA applied to Quinn Project metallurgical samples, showing clear differentiation of ore types and waste. Samples approximately 10-15mm

Refer ASX announcement 12 August 2026

NEXT STEPS

Systematic Exploration and Development Pathway

- 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**

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