



Geological Technical Discussion

31 July 2026

Quinn Fluorspar & Gold Project

ASX : OD6

31 July 2026

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No New Information

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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\$0.105
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\$30.6 M
Cash ²	A\$3.2 M
Debt ²	Nil
Enterprise value	A\$27.4 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

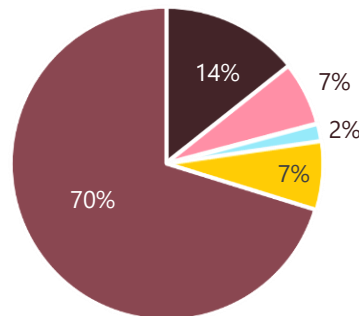


Hon Julie Bishop

Strategic Advisor



Register Detail & Research



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

1. As at 29 July 2026

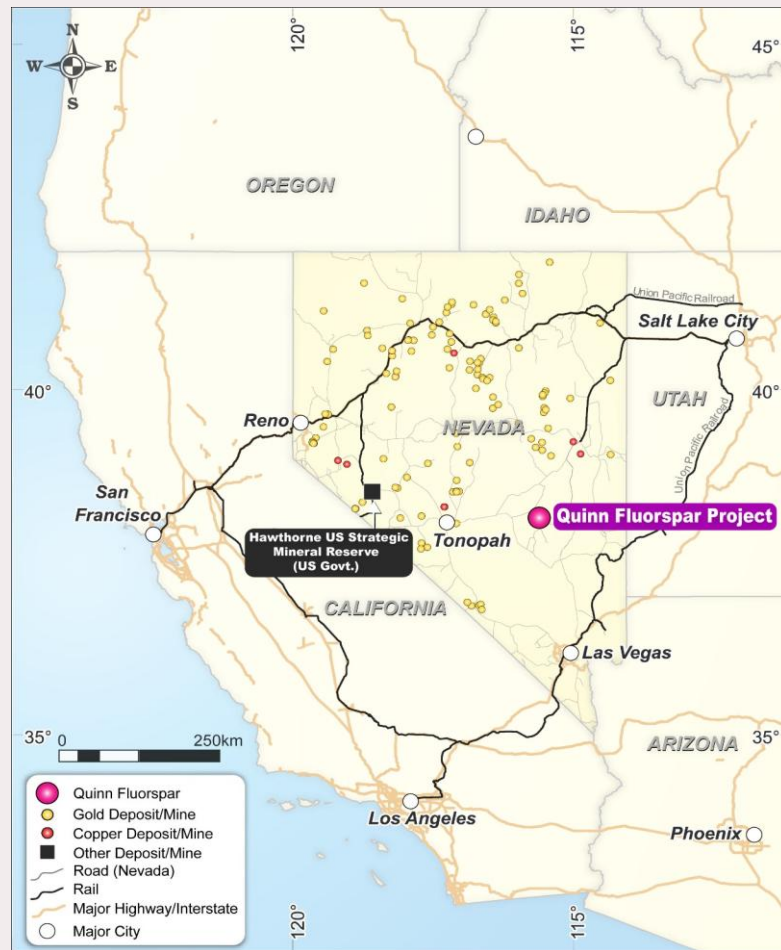
2. As at 1 July 2026



LOCATION & ACCESS

Large Effective Transport Network

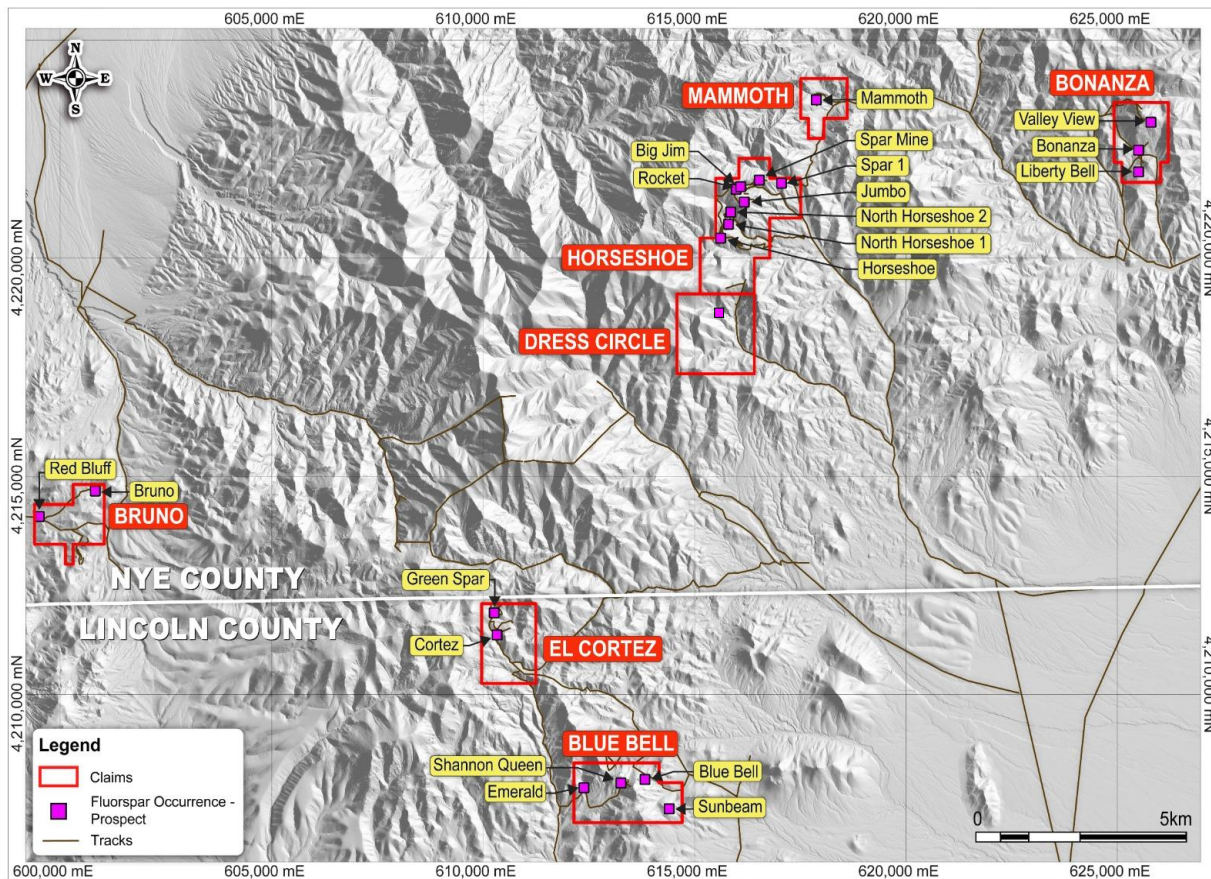
- ~220km north of Las Vegas
- ~130km east of mining centre Tonopah
- ~300km by road from newly established Hawthorne US Strategic Minerals Reserve (US Govt.)
- Excellent road and rail access and proximity to established mining regions
- Numerous Ports on the West Coast
- US Interstates offer easy transport 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

WHY QUINN IS SPECIAL

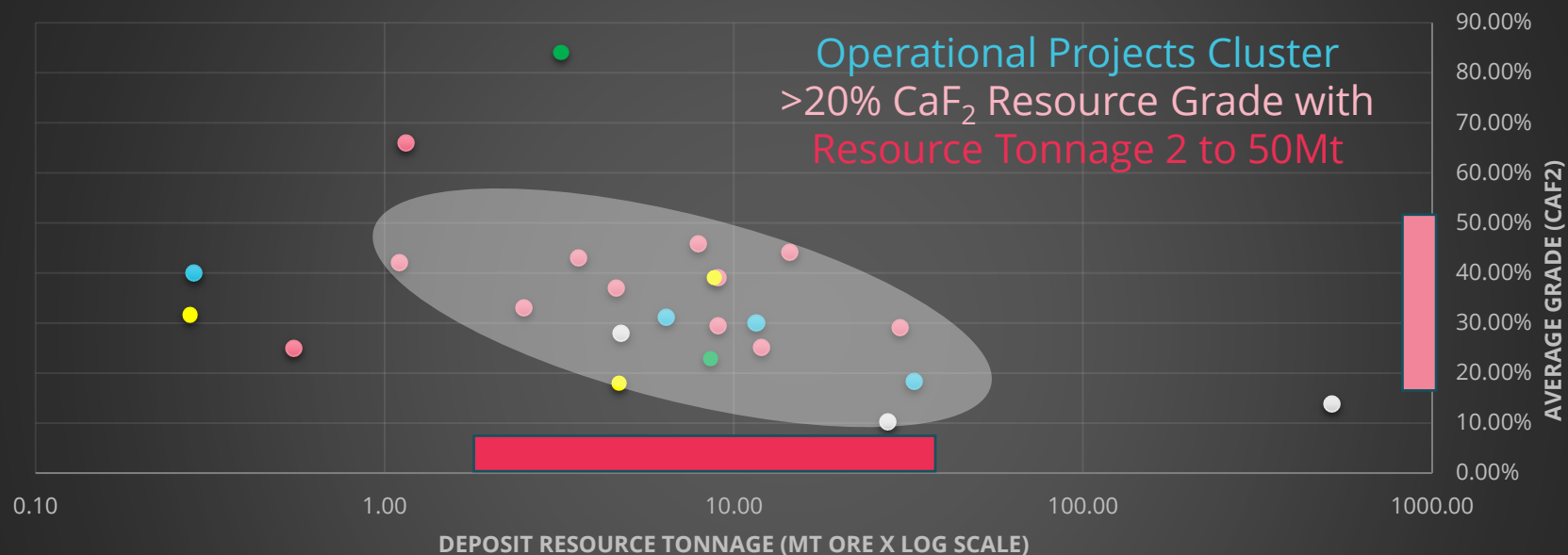
- ✓ **Genuine district-scale opportunity**
226 mining claims (4,670 acres)
- ✓ **Large Epithermal System**
- ✓ **+20 Fluorspar Occurrences**
- ✓ **Exceptional high-grade assays**
- ✓ **Thick Intersections at Surface**
- ✓ **8km fertile mineralised corridor**
- ✓ **Multiple high-priority drill targets**
- ✓ **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**



GLOBAL FLUORSPAR PRODUCER CONTEXT



Grade-Tonnage of Significant Global Fluorspar Deposits

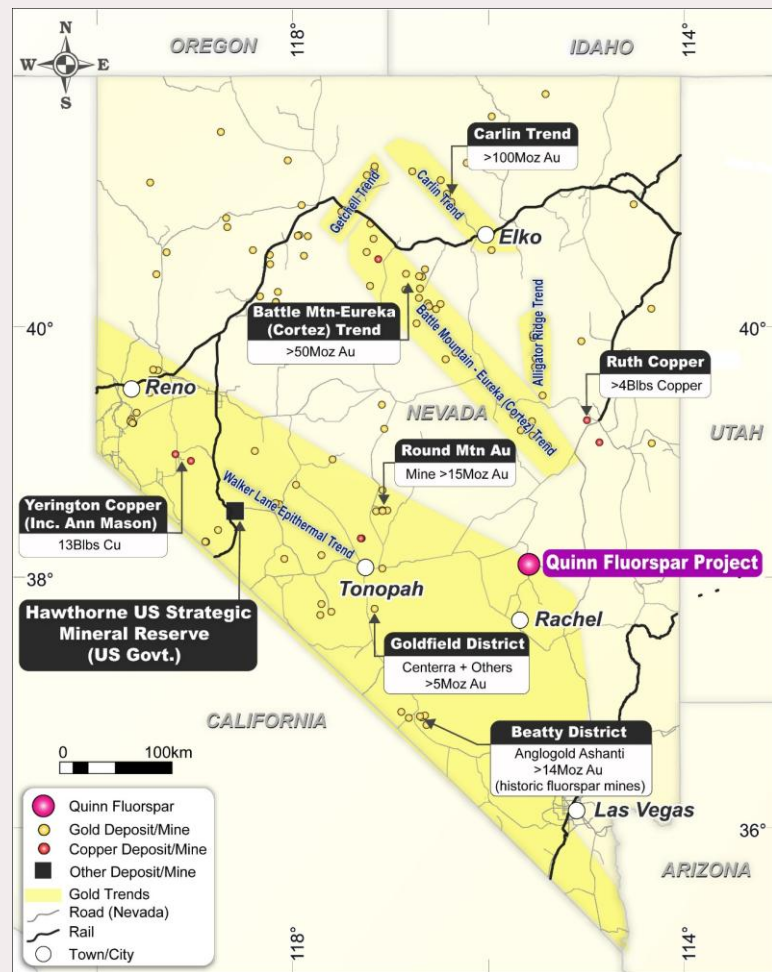


- Carbonatite & alkaline-igneous related
- Epithermal & volcanic-hosted hydrothermal
- Granite-related magmatic-hydrothermal (greisen / skarn / vein)
- Sediment-hosted stratabound / Mississippi Valley-type
- Structurally-controlled hydrothermal vein & replacement

Let's Talk Nevada Geology!

Exploration in one of the great mineral jurisdictions

- **3.5 to 5 million** ounces of gold produced annually (about half the production of Western Australia, despite being about 11% of the size)
- Most epithermal and Carlin style Au were deposited between **42 and 20 million years** ago during the rifting and Tertiary volcanism/intrusive activity that formed the **Basin and Range**
- Host geology is very important, particularly in Carlin style systems
- World's largest gold companies operate in Nevada – Barrick, Newmont, GoldCorp, Kinross, AngloGold Ashanti

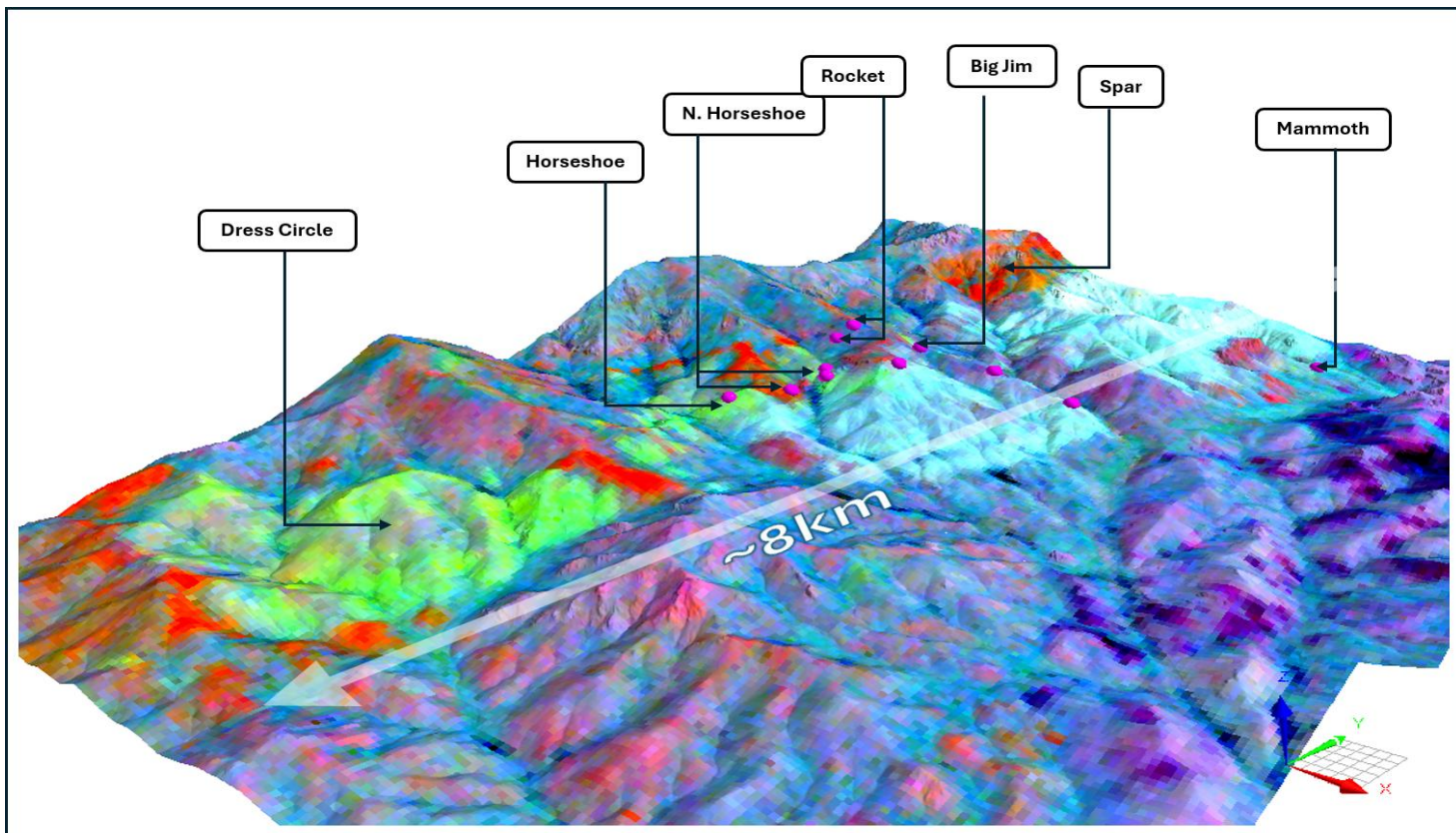


Refer announcement [29 July 2026](#)



QUINN PROJECT FERTILE MINERAL CORRIDOR

Our deposits represent surface expressions of a much larger hydrothermal system

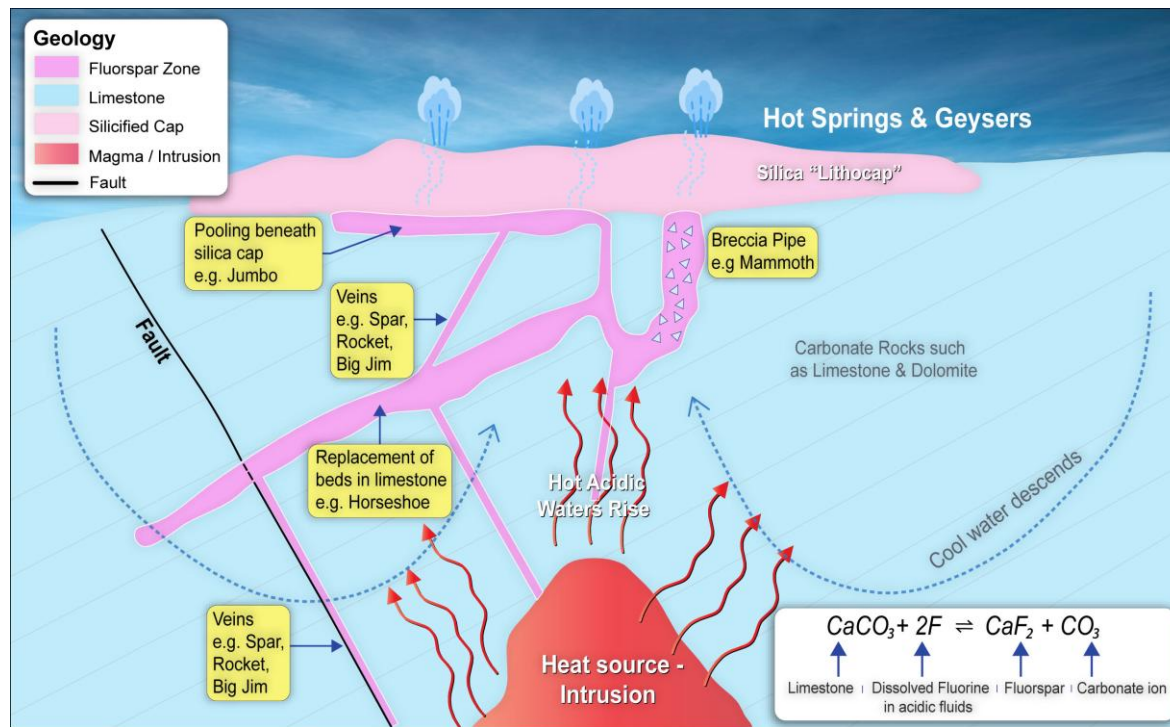


Regional
epithermal
alteration
footprint
>8km

Phyllic-
Argillic-
Advanced
Argillic with
lithocaps
identified

EPITHERMAL FLUORSPAR FORMATION

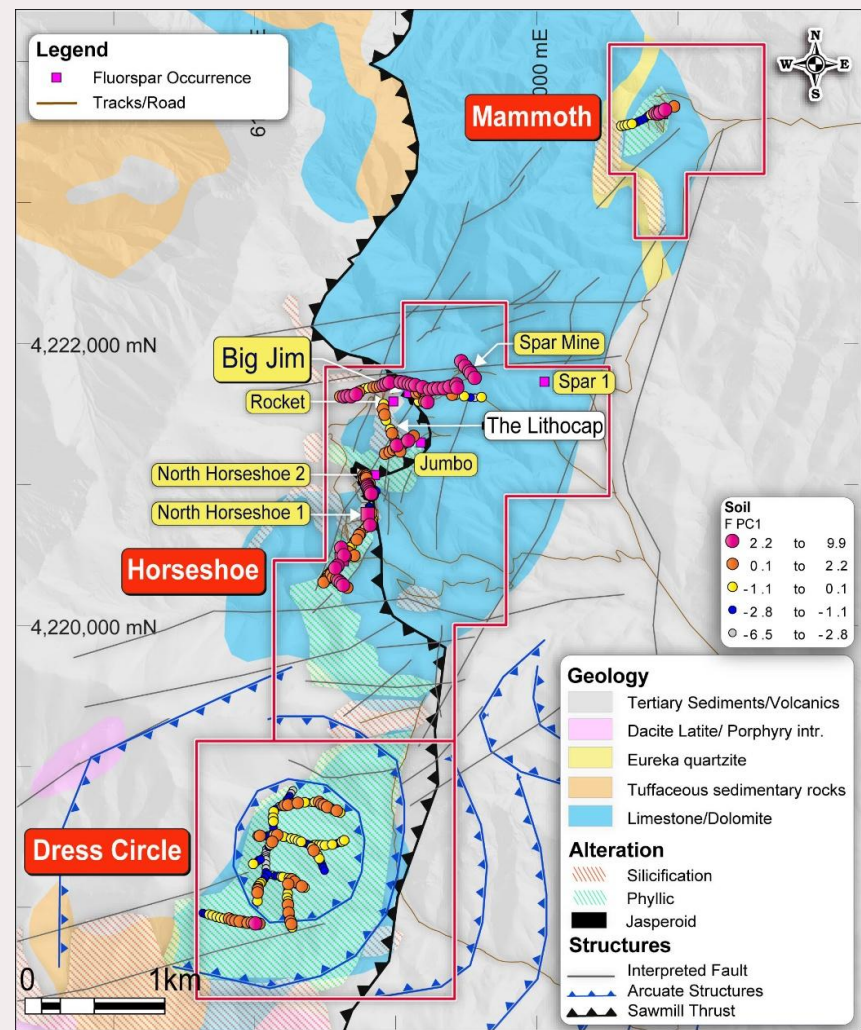
- Fluorspar deposits form in the near surface epithermal environments
- Fluorine bearing hydrothermal acidic fluids rise from an intrusive source**
- Hot fluorine-rich fluids** reacted with limestone (CaCO_3), replacing it with high-grade fluorspar
- Many historic deposits exploited in the US were narrow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



LOCAL GEOLOGY

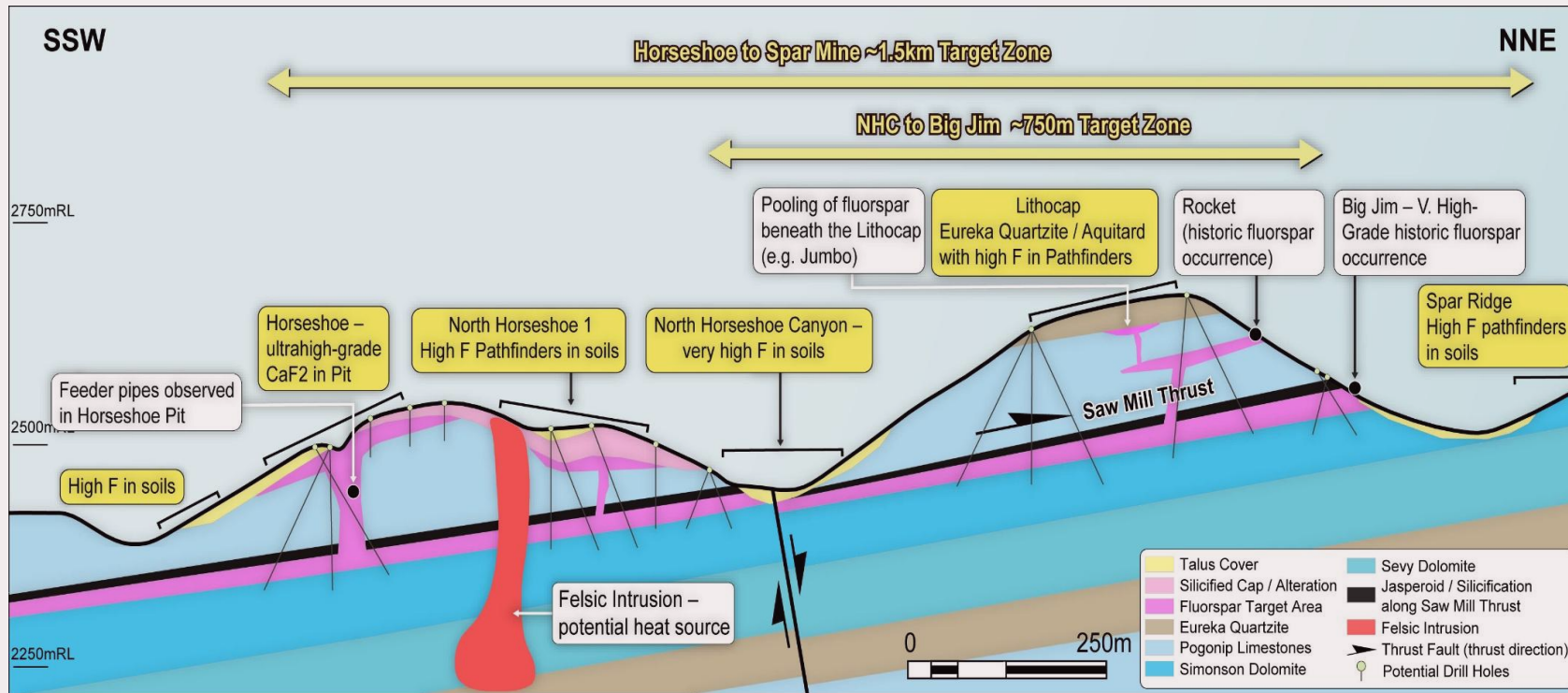
Multiple Fluorspar Outcrops

- **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 porous and very reactive to acidic hydrothermal fluids**. When mineralising fluids pass through it, **large volumes of fluorspar** can replace the original rock
- **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.**



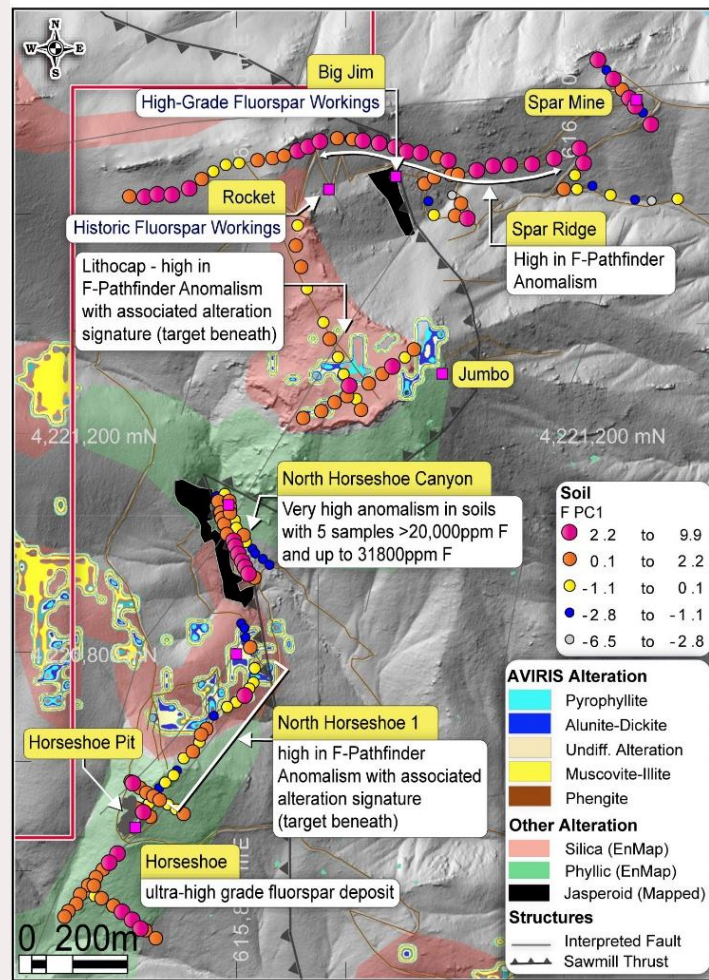
HORSESHOE TO BIG JIM CORRIDOR - FLUORSPAR

Full System Targets EMERGING. Drill Permitting Underway



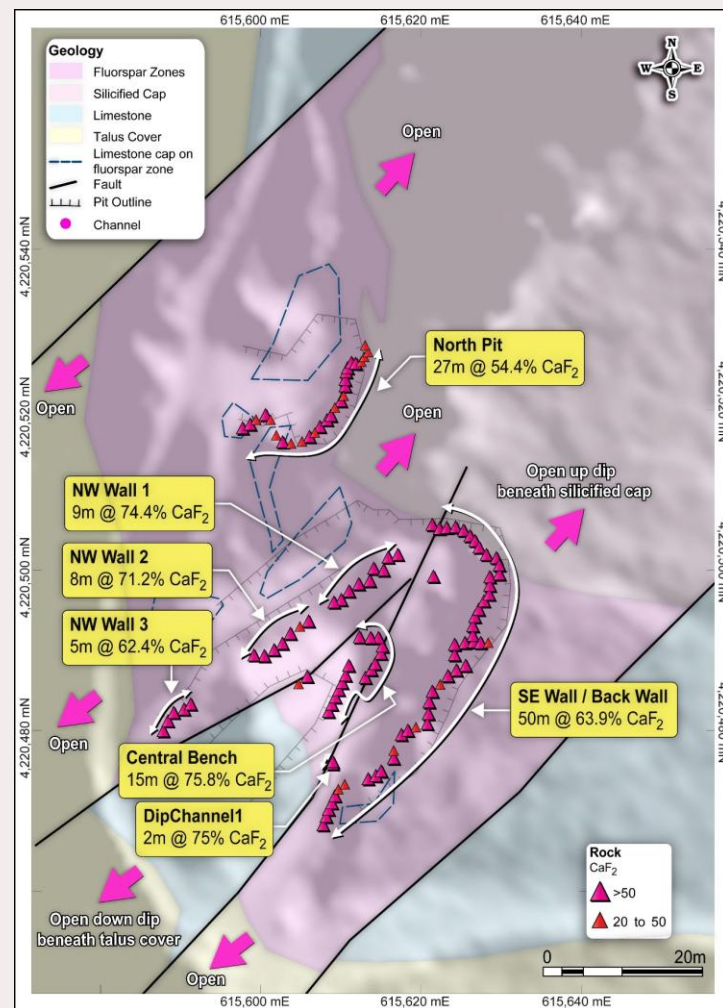
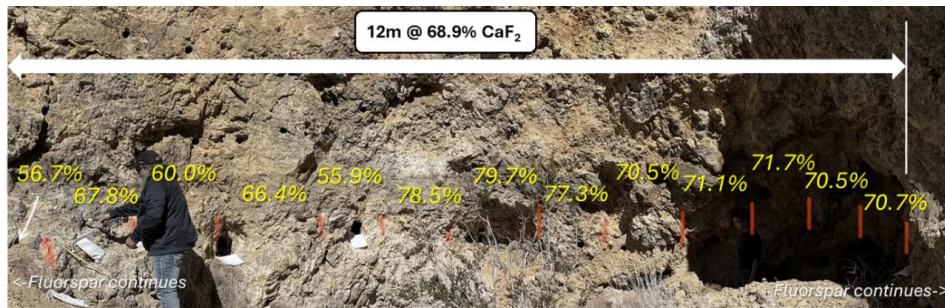
HORSESHOE TO BIG JIM FLUORSPAR CORRIDOR

- **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 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% 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**



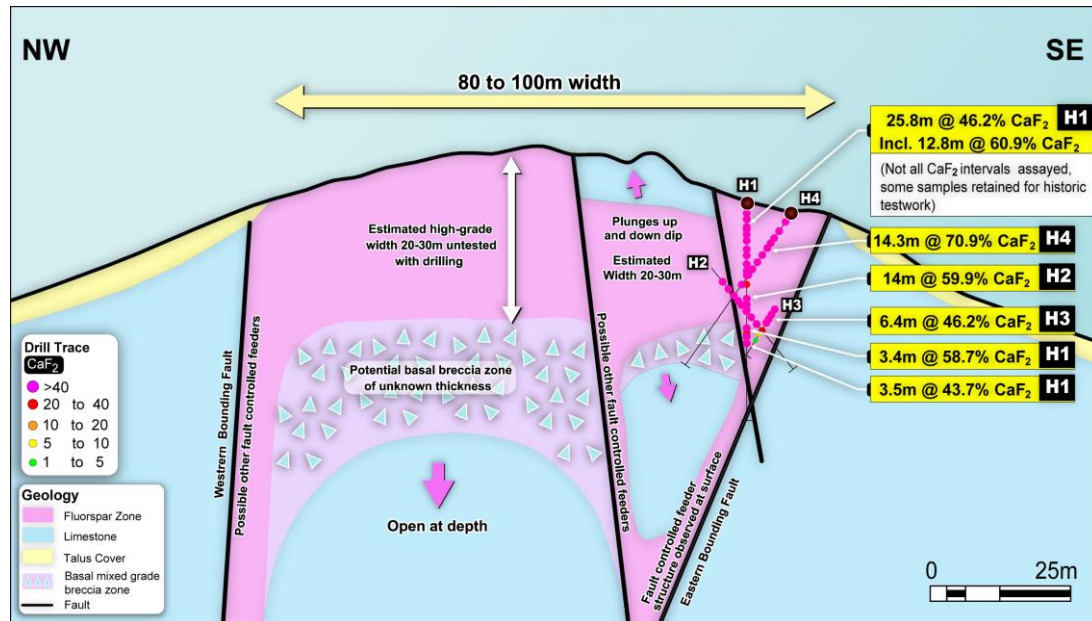
Refer [4 March 2026](#), [15 April 2026](#), [8 July 2026](#)



HORSESHOE FLUORSPAR DEPOSIT

Historic drilling with outstanding high-grade fluor spar (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

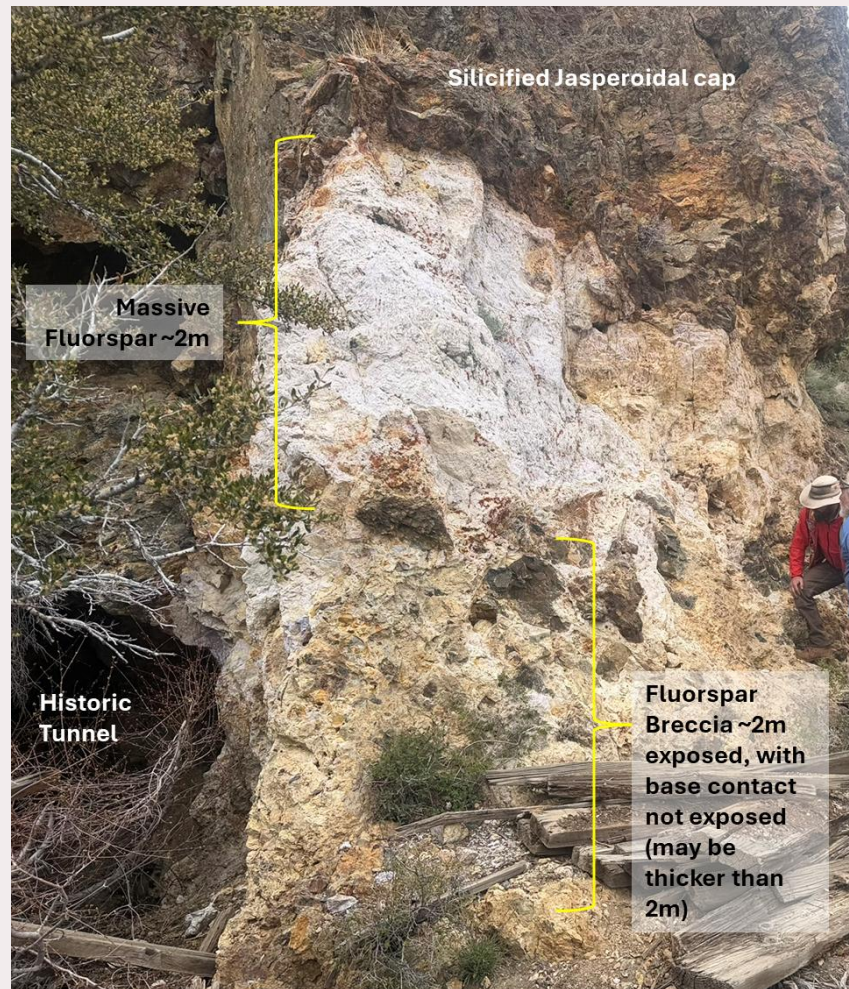


- Historic drilling was conducted before the open-pit, so did not target the high-grade core
- Several sections not assayed indicating potential wider width
- Holes ending in veined/fracture material, indicating potential wider width with footwall breccia unassayed

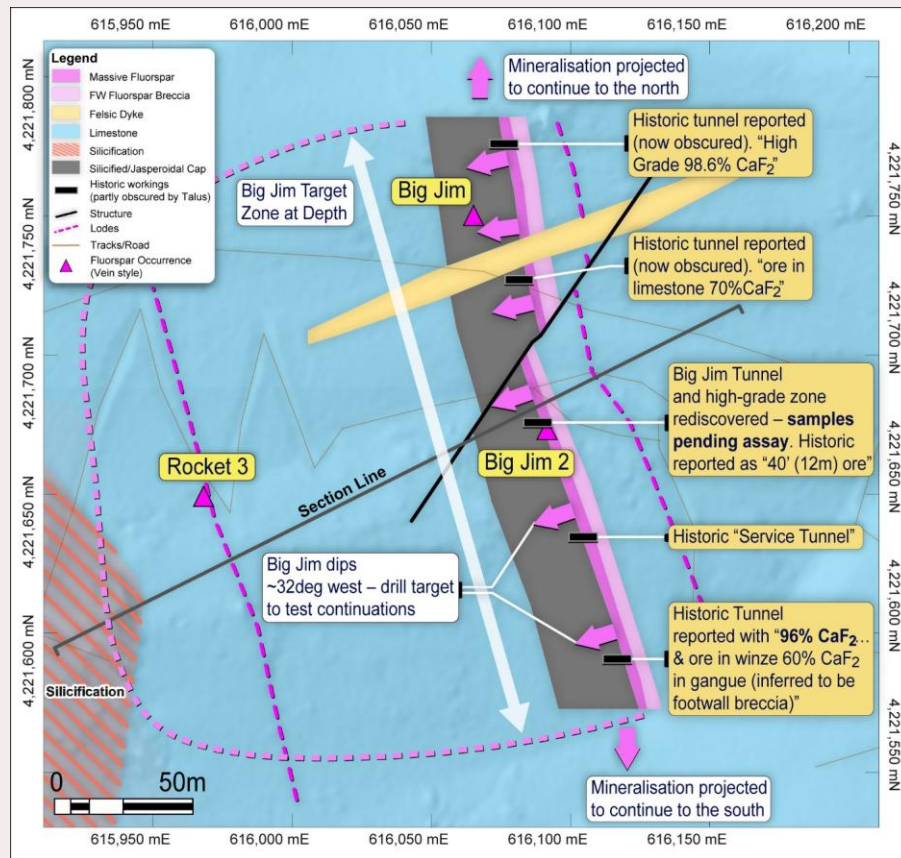
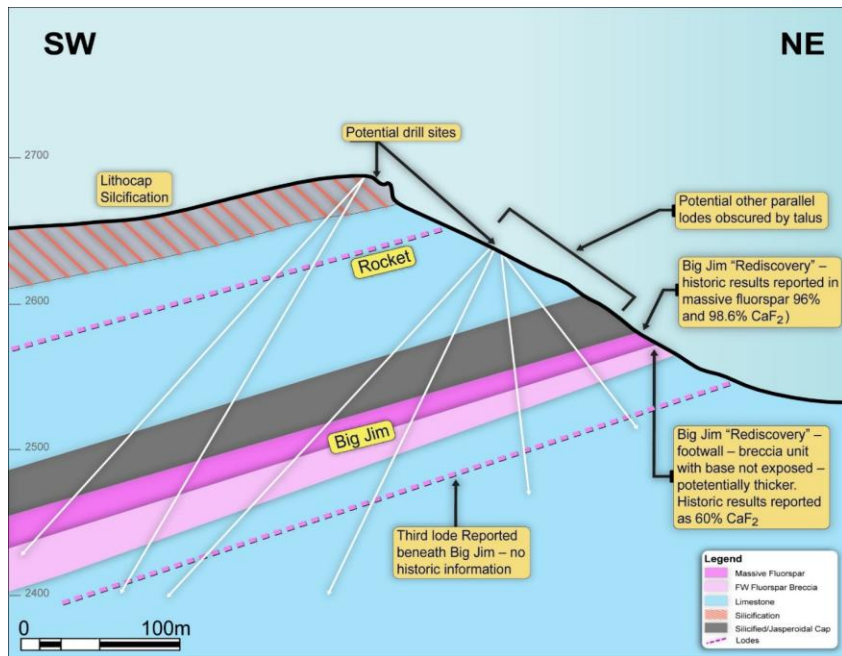
BIG JIM FLUOSPAR DEPOSIT

- **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.



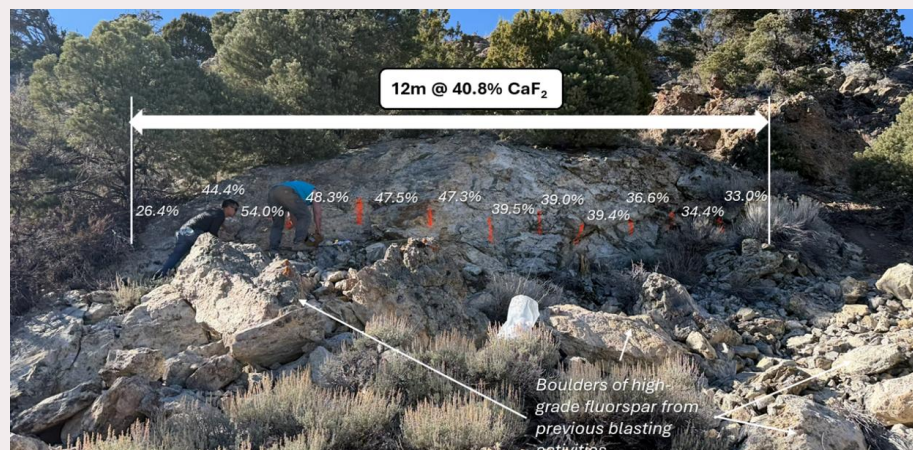
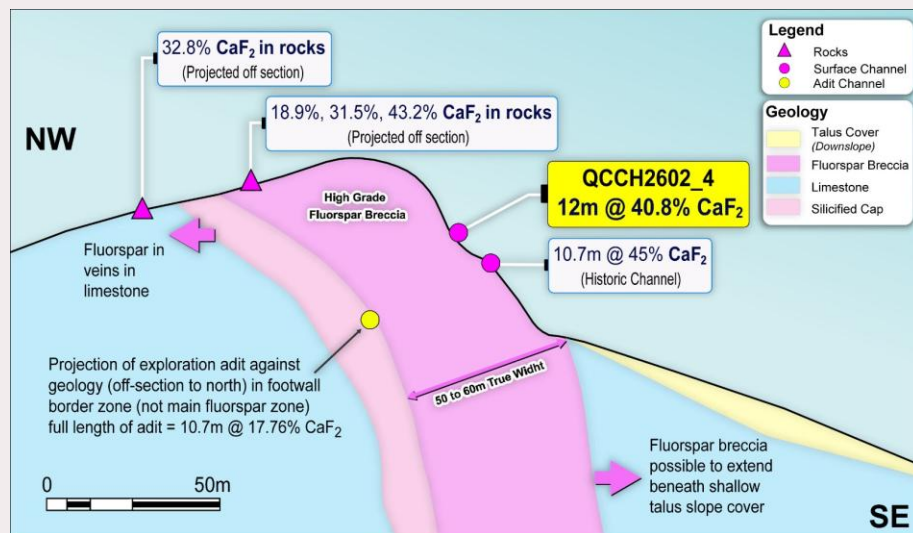
BIG JIM FLUOSPAR DEPOSIT



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 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 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



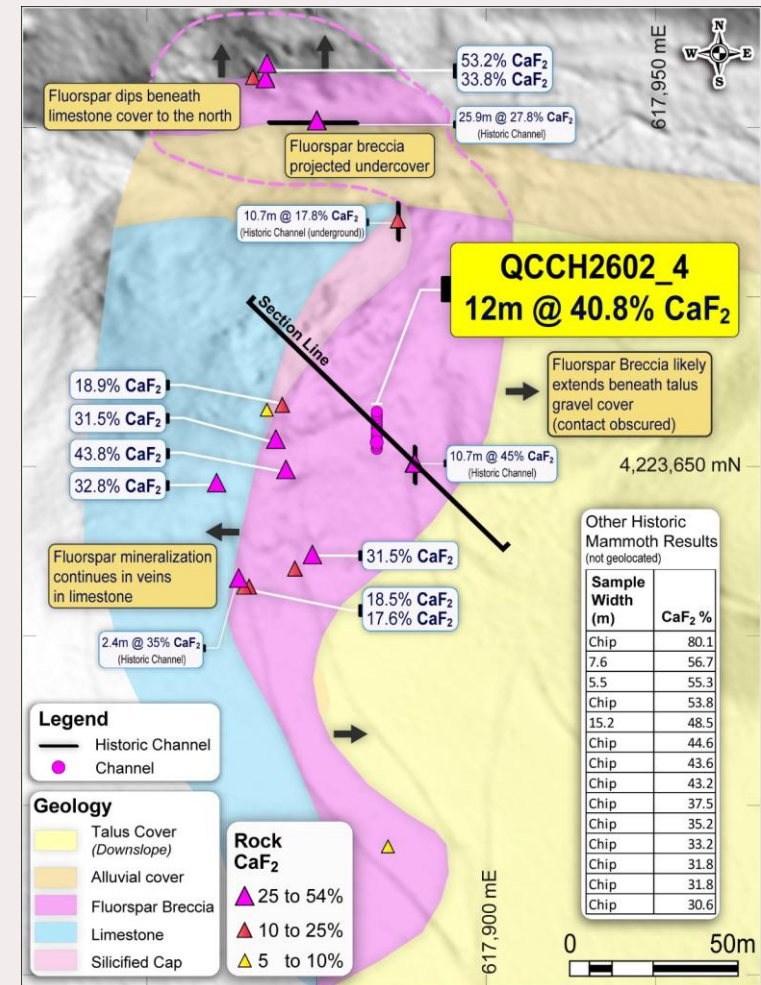
Refer [ASX announcement 4 March 2026](#) and [9 April 2026](#) and [7 April 2026](#)



MAMMOTH FLUORSPAR DEPOSIT



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



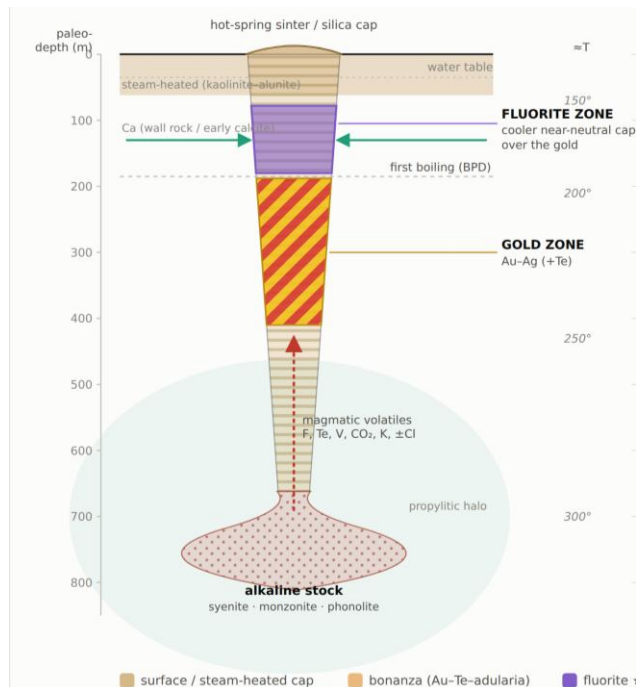
Refer [ASX announcement 4 March 2026](#) and [9 April 2026](#) and [7 April 2026](#)



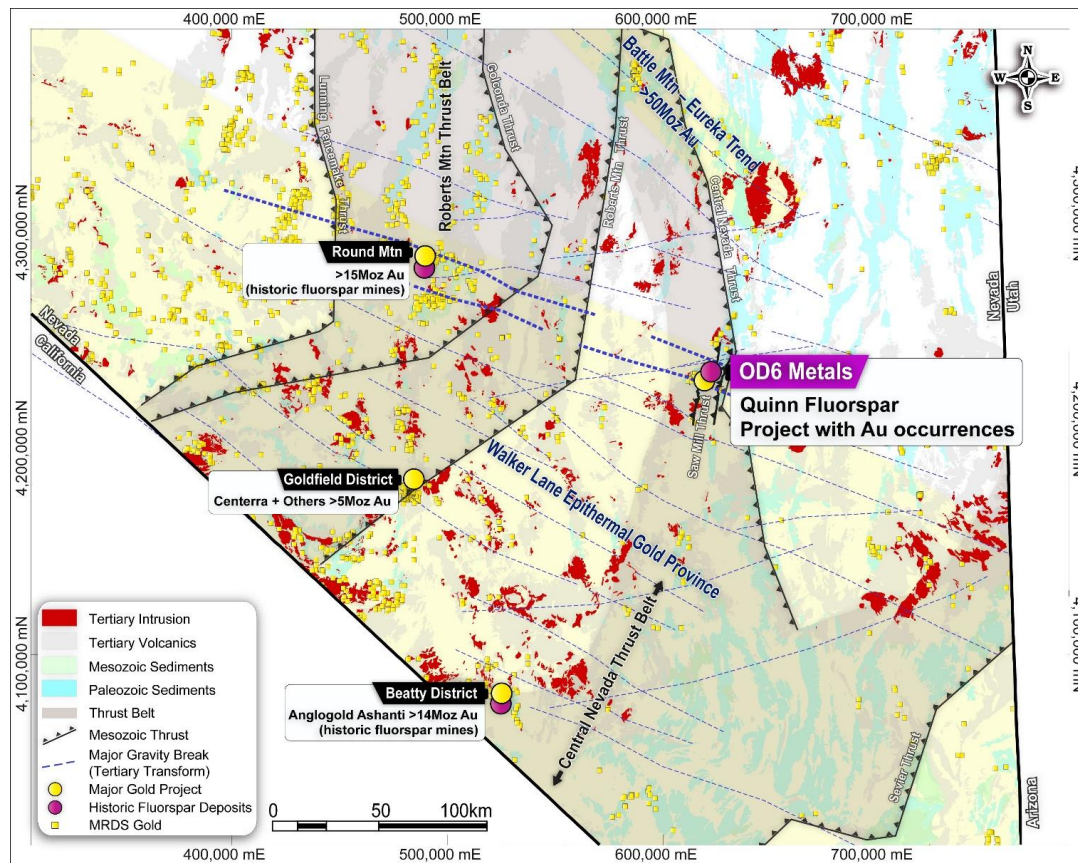
GOLD & FLUORSPAR IN THE WALKER LANE



3.5 to 5 million ounces of gold produced annually in Nevada - about half the production of Western Australia, despite being only about 11% of the size



After Simmons et al (2005), Hedenquist et al (2000)



Refer announcement [29 July 2026](#)

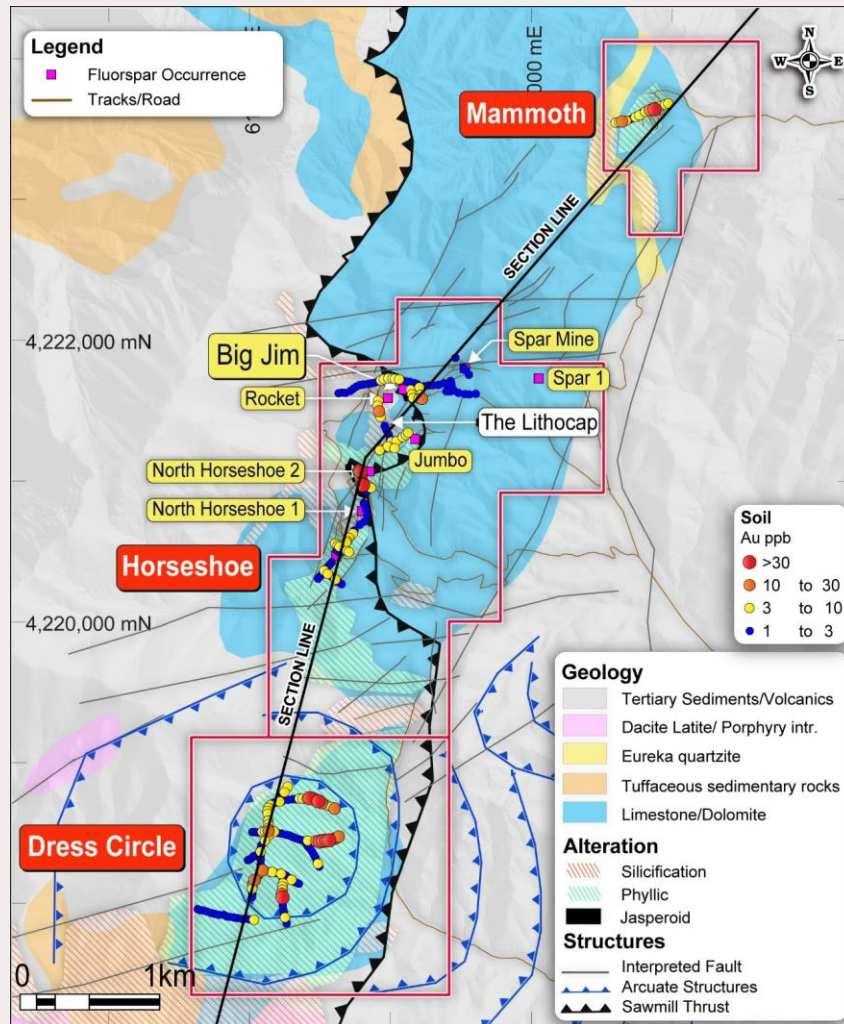
EPITHERMAL SETTING!

Gold Potential Emerging

Classic Low Sulphidation Epithermal setting

- **Fluorspar** in system just like the two world-class gold deposits at Round Mtn and Beatty (combined ~30Moz Au)
- Gold and pathfinders in soil anomalies over large areas
- Au association with **As-Hg-Tl-Sb-W**
- Gold in rock chips up to **6.3g/t Au**
- **Tertiary Volcanics & Intrusions** – on Walker Lane tectonic transform faults
- **A Second value driver at Quinn**

Refer announcement [29 July 2026](#)



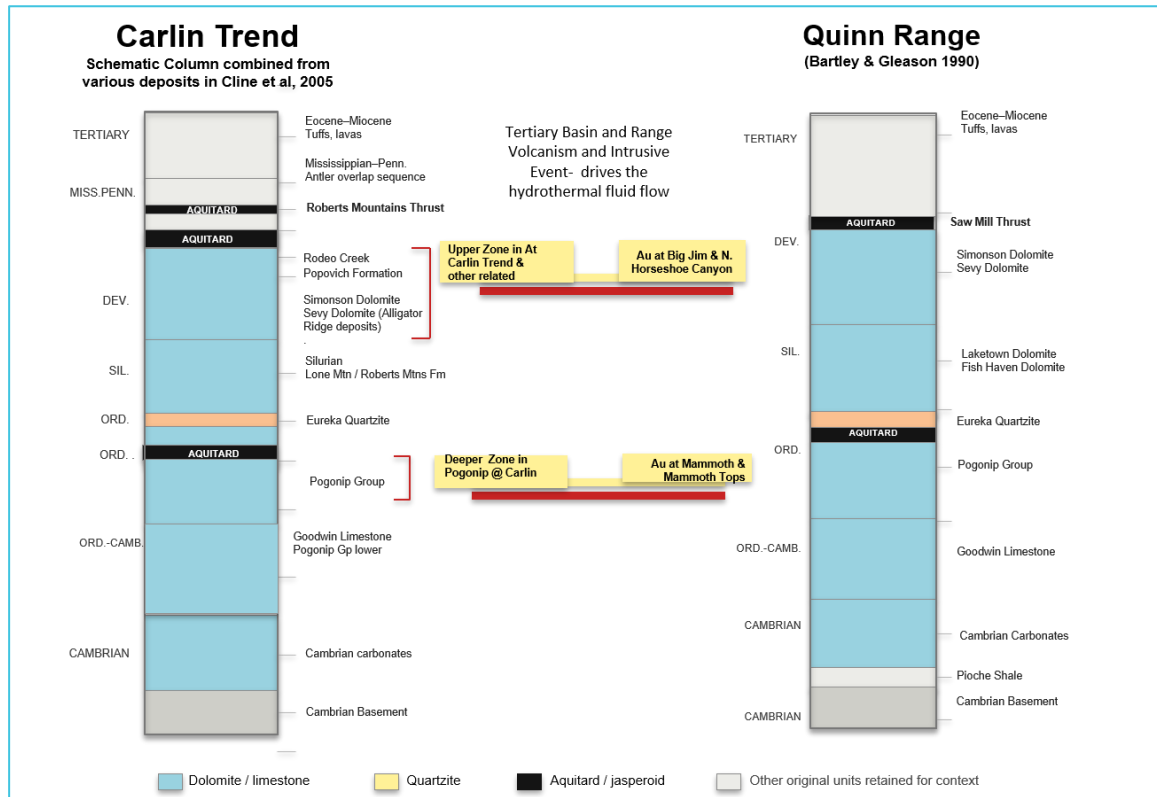
AND CARLIN SETTING TOO!

All the Right Ingredients

Stratigraphic setting

- more like Carlin systems

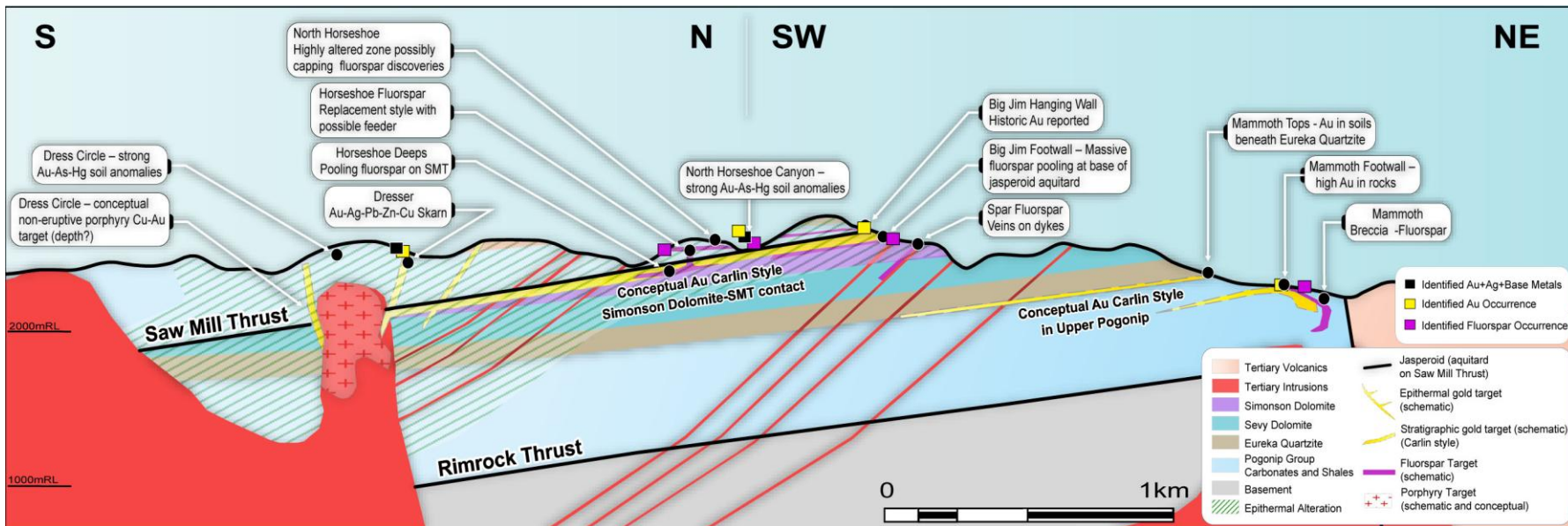
- Giant class of mineral deposits (>160Moz Nevada)
 - Source** – Tertiary magmatism
 - Pathway** – stratigraphic carbonate units
 - Focus** – beneath thrust faults / jasperoids
 - Trap** – carbonaceous shale units
- We have all these ingredients



Refer announcement [29 July 2026](#)

MULTIPLE TARGET STYLES – ONE AREA

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



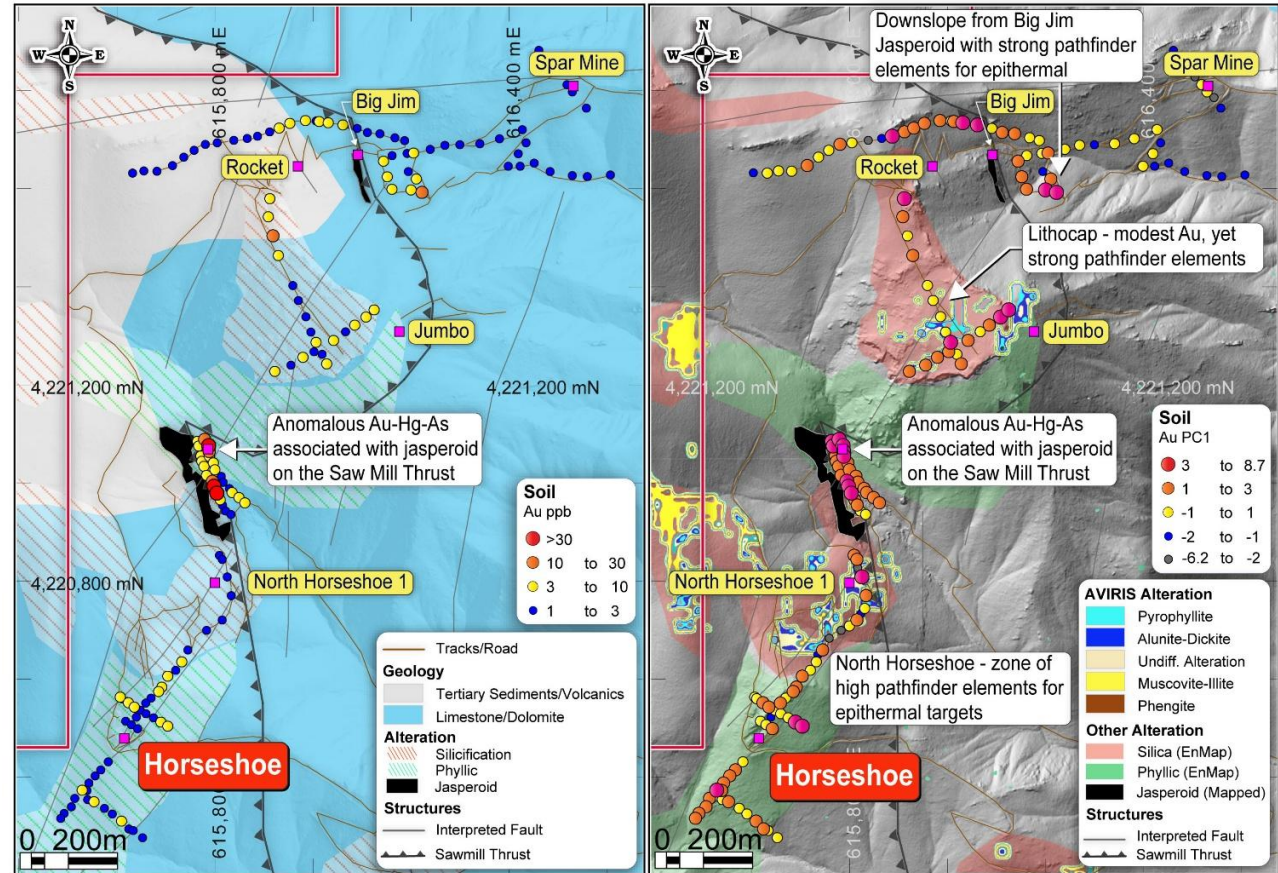
NORTH HORSESHOE TO BIG JIM GOLD



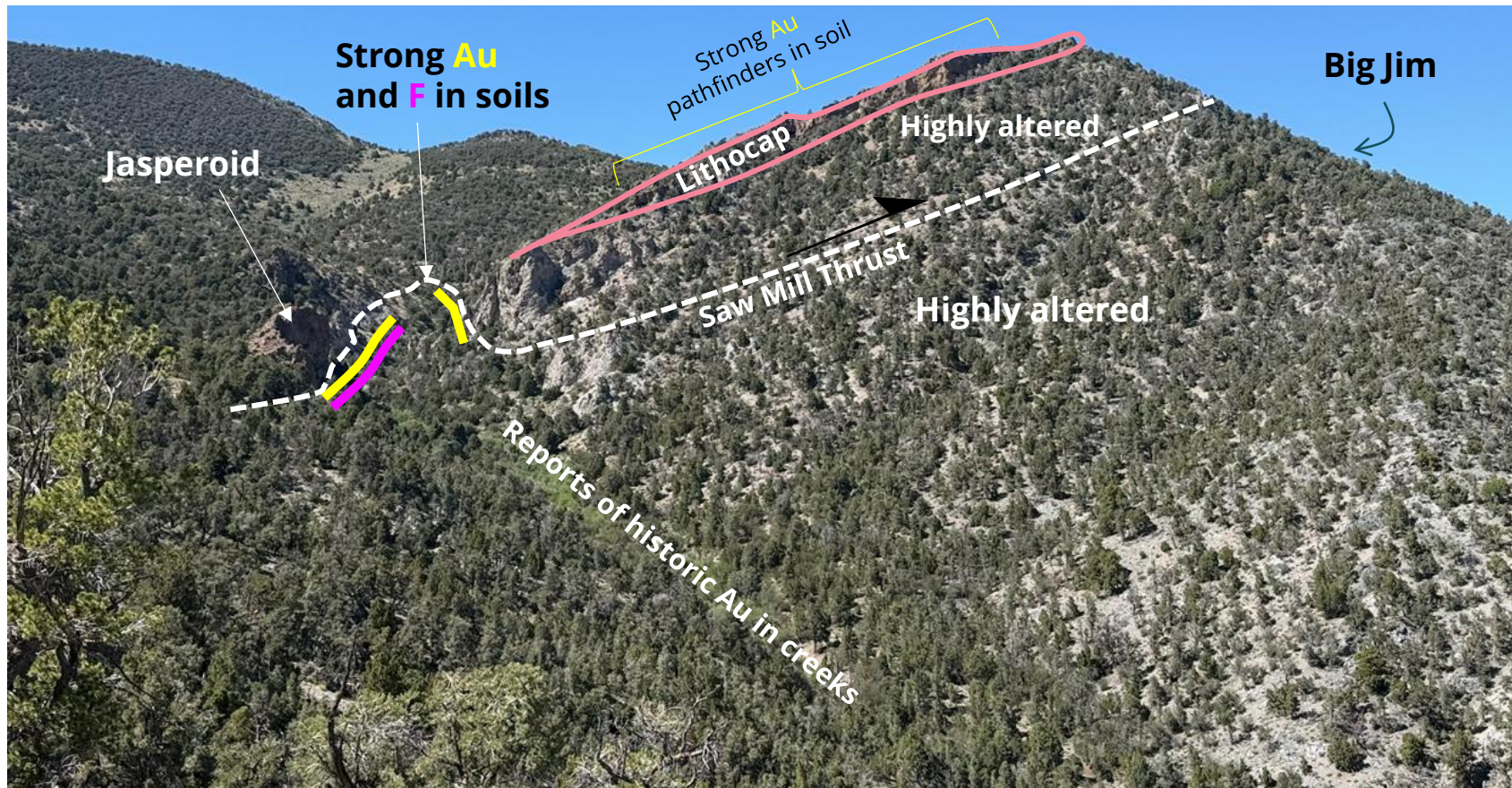
Significant Epithermal System

- 1.2km trend
- Strong alteration
- Preserved lithocap
- Strong gold in soil anomalies
- Strong association with epithermal pathfinders Hg-As-Tl-Sb

Refer announcement [29 July 2026](#)



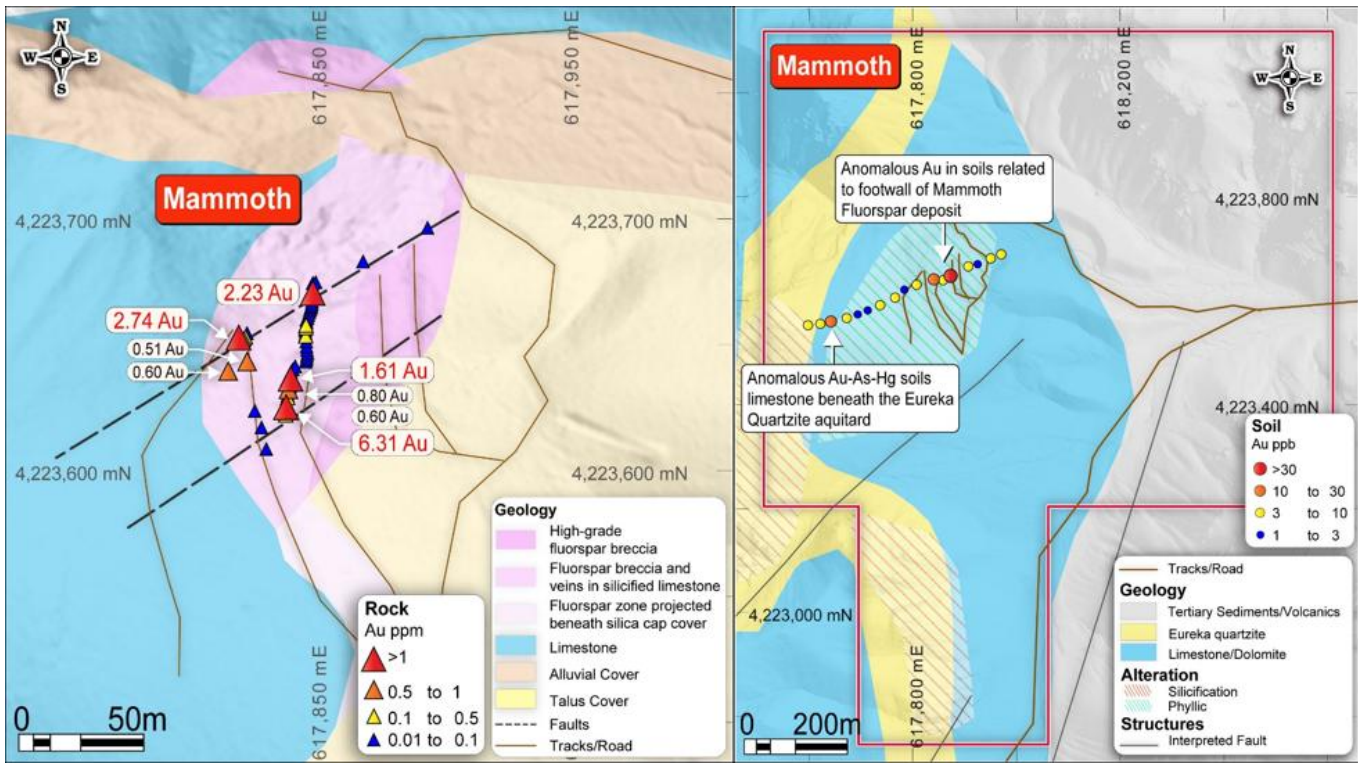
NORTH HORSESHOE CANYON GOLD & FLUORSPAR



MAMMOTH GOLD & FLUORSPAR

Significant epithermal Au in system

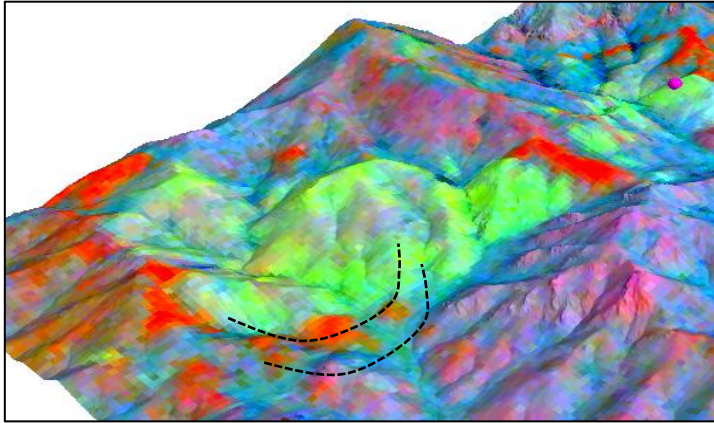
- **6.31g/t, 2.74g/t, 2.23g/t Au** in rocks
- Footwall to the main fluorspar breccia
- Additional soil results beneath silica cap



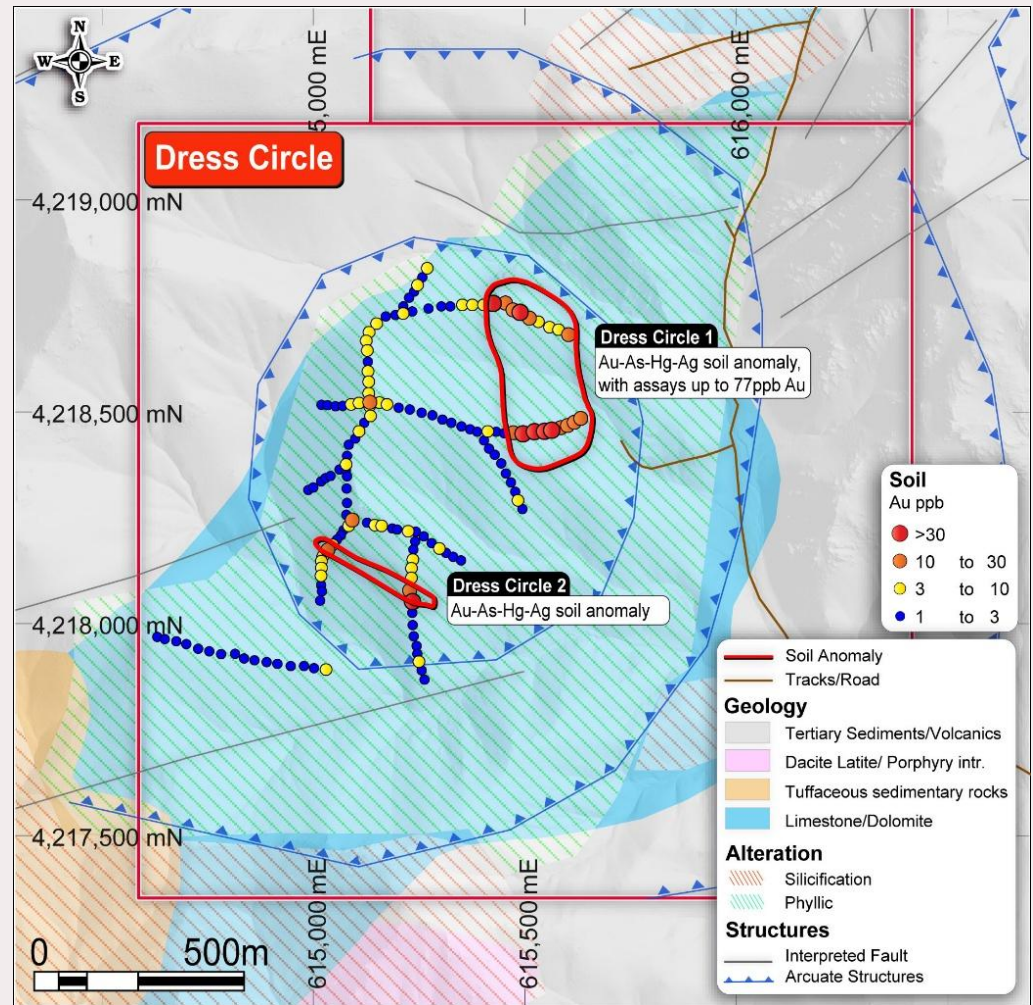
DRESS CIRCLE

Significant epithermal system

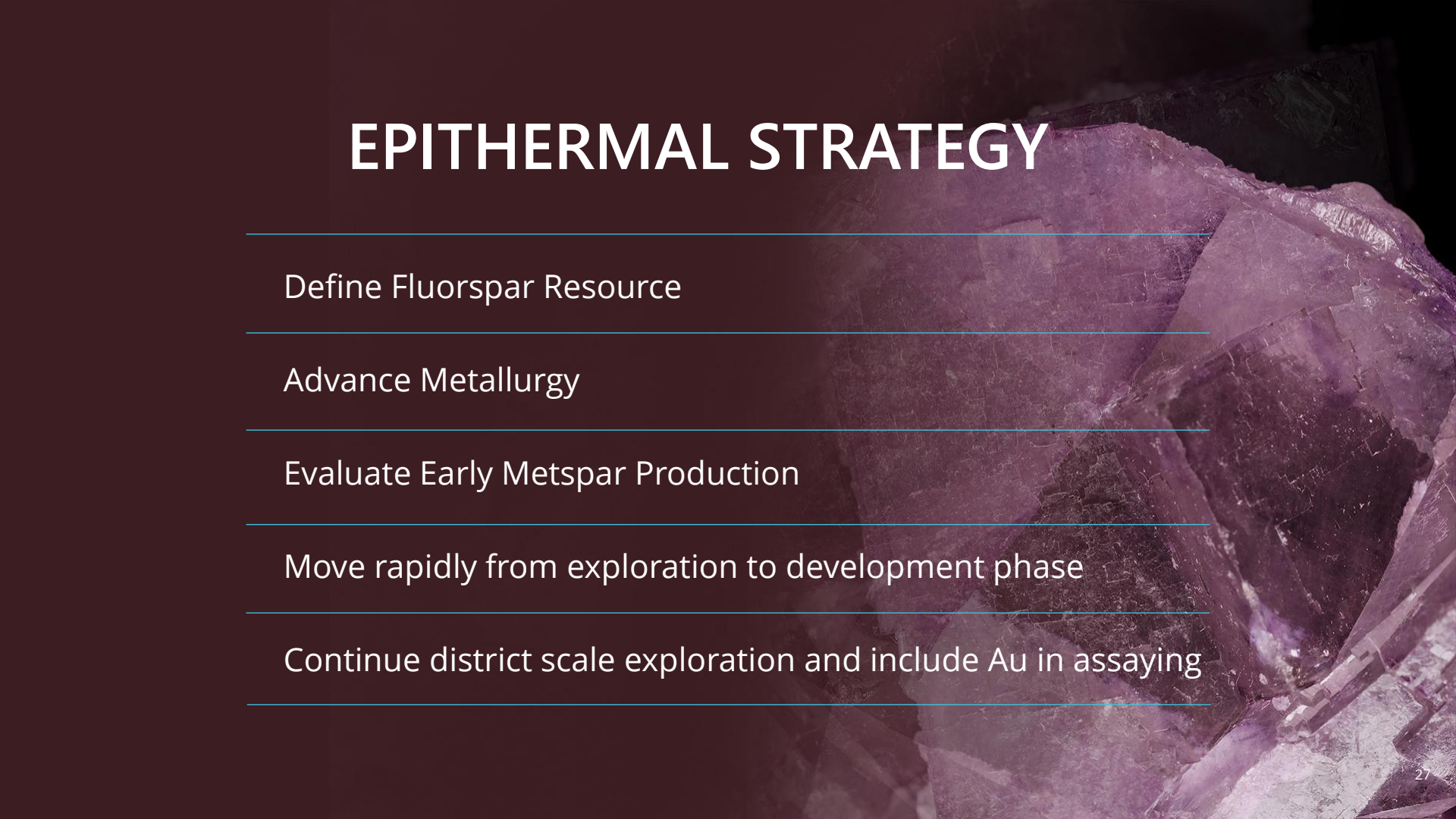
- Strongest Au in soils
- Strong association with As-Hg-Ag
- Strong phyllic alteration



Refer announcement [29 July 2026](#)



EPITHERMAL STRATEGY



Define Fluorspar Resource

Advance Metallurgy

Evaluate Early Metals Production

Move rapidly from exploration to development phase

Continue district scale exploration and include Au in assaying

ACIDSPAR & METSPAR PRODUCTION POTENTIAL

- 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***



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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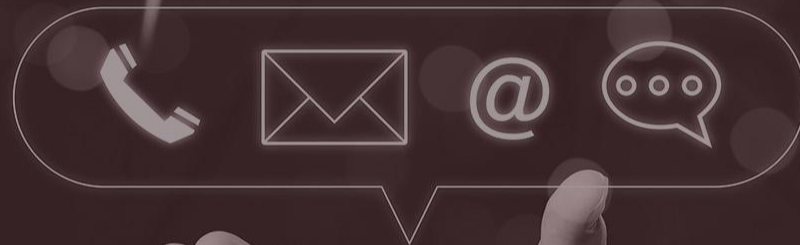
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References

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