

## **ANS Exploration Samples up to 19.3 g/t Gold and Extends Strike Length of Gold-Bearing Veins to ~3 km at Umm Qusur, Saudi Arabia**

*Initial field work confirms orogenic gold target hosted within diorite*

Toronto, Canada, 28 August 2025, ANS Exploration Corp. ("ANS" or the "Company") is pleased to report very encouraging results from the Company's first-pass field program at the Umm Qusur Gold Licence in the Kingdom of Saudi Arabia.

Initial mapping and sampling have extended the cumulative strike length of mapped auriferous vein sets to approximately 3 kilometres, returned new ANS rock-chip assays up to 19.3 g/t Au, and confirmed the orogenic/mesothermal character of mineralisation hosted by sheared diorite along the Najd-related Halaban–Zarghat structural system.

### **HIGHLIGHTS**

- Work commenced: January 2025; cumulative dataset now 376 rock-chip samples.
- High-grade rock chips: ANS sample to 19.3 g/t Au; UMQ0094 at 21.4 g/t Au with 22 samples >1.0 g/t Au across Targets 1, 2 and 4.
- Strike extended: Reconnaissance mapping and sampling double the previously mapped vein footprint to a ~3 km cumulative corridor (two to three sub-parallel shear-hosted vein sets). Prior mapping recorded ancient workings over ~2.6 km and two principal quartz-vein systems in sheared diorite.
- Channel/trench context: SGS trenching (640 m) across the central target returned 6.8 m at 1.39 g/t Au.
- Alteration & style: Quartz ± Fe-carbonate veins/stockworks with sericite–silica–iron-carbonate alteration and disseminated pyrite in mineralised wall rock up to metre-scale widths—consistent with orogenic lode gold in second/third-order structures off a crustal-scale shear.
- Access: Umm Qusur lies ~15 km WSW of Halaban, connected by tracks to the Makkah–Riyadh highway.

### **GEOLOGICAL SETTING, MINERALISATION & ALTERATION**

Umm Qusur is situated within the Afif Composite Terrane of the Arabian–Nubian Shield, near the Halaban–Zarghat branch of the Najd fault system—an area regionally endowed in gold occurrences. The project is hosted predominantly in diorite cut by NW–SE trending shear zones and multiple generations of quartz veins that locally pinch-and-swell, show laminated crack-seal textures, and are accompanied by silica–Fe-carbonate–sericite alteration and disseminated/oxidised pyrite in wall rock (see Figure 1).

Historical work noted two principal, sub-parallel vein systems with ~1.5 km cumulative strike; ANS mapping now demonstrates a broader, ~3 km cumulative vein corridor with additional splays and stockwork zones within sheared diorite.

## RESULTS & INTERPRETATION

- Rock-chip sampling: Including ANS's 2025 work, 376 rock-chip samples have now been collected across the licence. ANS assays peak at 19.3 g/t Au and 21.4 g/t Au (UMQ0094) with 22 samples >1 g/t Au in outcrop. Grades are spatially associated with quartz veins and altered diorite halos rather than base-metal enrichments.
- Trenching & drilling context: Prior SGS work across the central vein corridor cut 6.8 m at 1.39 g/t Au in trench QUS\_TR007 and 6.4 m at 1.21 g/t Au in hole QUS\_DD003, confirming continuity of mineralised structures between surface exposures (intersection widths).
- Structural model: Gold is focused in shear-controlled quartz±carbonate veins developed on 2nd/3rd-order splays of the Najd system. This architecture and alteration fit a classic orogenic lode model, supporting the potential for high-grade shoots within the broader vein network.

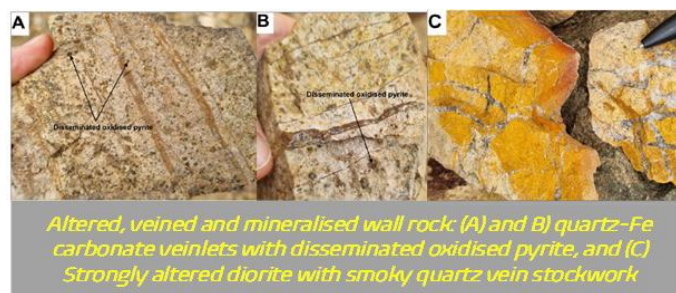


Figure 1: Altered and mineralised diorite wall rock with quartz–Fe-carbonate veinlets and disseminated oxidised pyrite

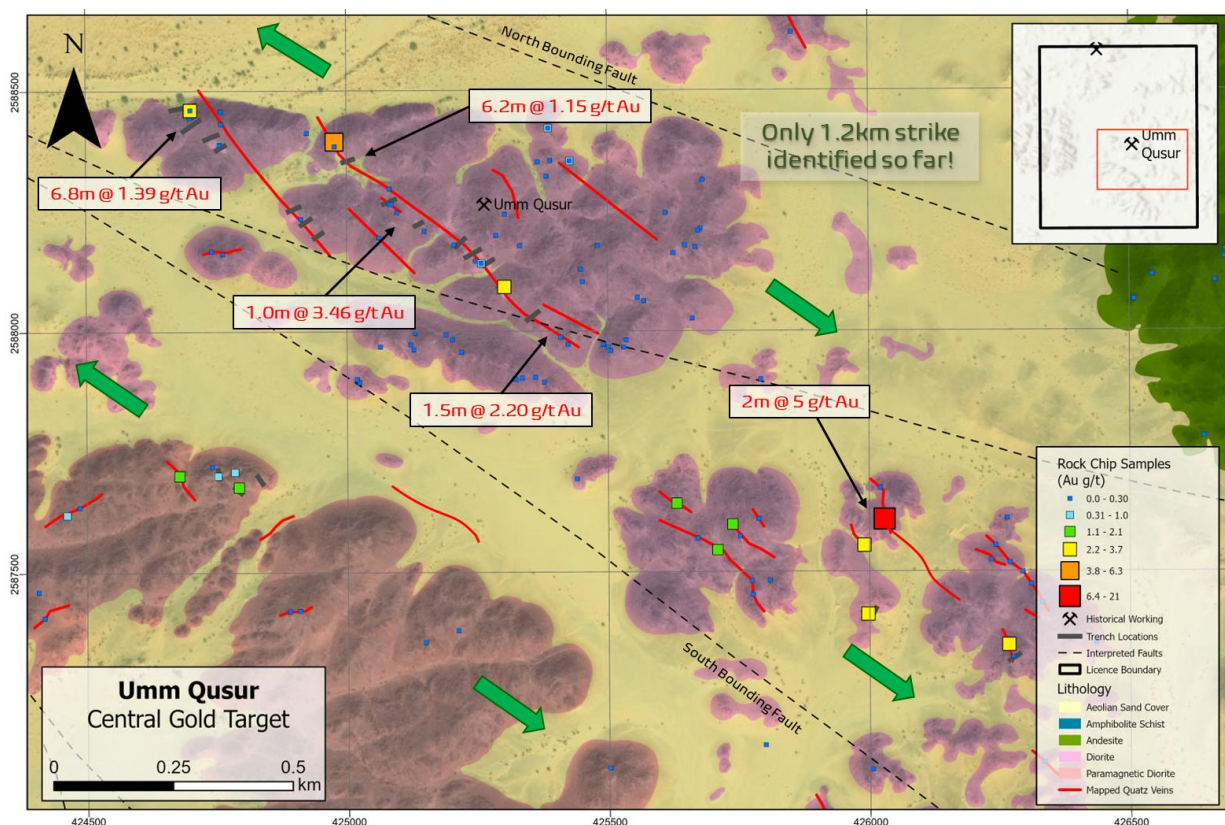


Figure 2: Umm Qusur Central Gold Target: mapped structures, historical workings

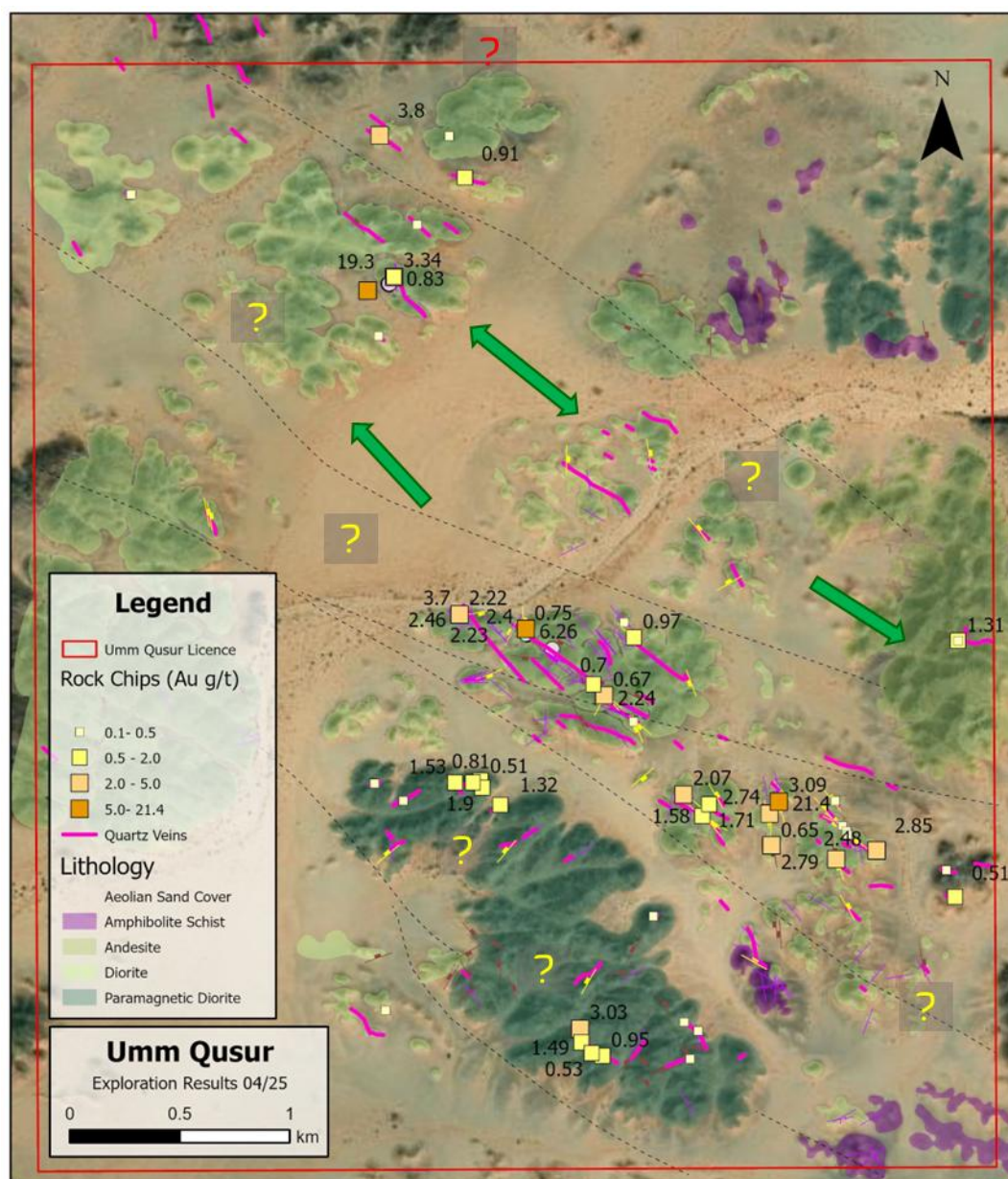


Figure 3: Licence-wide rock-chip geochemistry and mapped quartz veins

## NEXT STEPS

### Phase 1 – Target Refinement & Validation (H2 2025–Q1 2026)

- High-resolution geological/structural mapping
- Drone LiDAR (11 km<sup>2</sup>) for centimetre-scale topography and IP survey planning.
- Ground geophysics (IP-Resistivity) over known veins, then along strike to delineate chargeability/resistivity anomalies from disseminated pyrite and silicification.
- Systematic rock-chip/channel sampling and trenching.

### Phase 2 – Resource Advancement (2026)

- ~3,000 m RC drilling on priority shear-hosted vein targets.
- Continued QA/QC sampling, petrography and structural modelling to refine orientation/true widths and grade continuity.

### ABOUT UMM QUSUR

Umm Qusur lies ~15 km WSW of Halaban with access via desert tracks from the Makkah–Riyadh highway. The prospect comprises auriferous quartz veins and altered diorite within the Halaban–Zarate structural corridor; ancient workings are distributed over ~1.6 km.

### ABOUT ANS EXPLORATION CORP.

ANS Exploration is a Toronto-based, Africa- and Middle East-focused gold explorer with a portfolio of high-impact licences across the **Arabian–Nubian Shield** (Ethiopia and Saudi Arabia). The Company applies modern exploration tools to unlock underexplored terrains with tier-one discovery potential.

### FORWARD-LOOKING STATEMENTS

This news release contains forward-looking statements, including exploration plans, timelines and potential for mineral discoveries. These statements are based on reasonable assumptions as of the date hereof but are subject to known and unknown risks and uncertainties that may cause actual results to differ materially. ANS undertakes no obligation to update such statements except as required by law.

### CONTACT INFORMATION

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### ABBREVIATIONS

"As" means arsenic

"Au" means gold

"Bi" means bismuth

"Cu" means copper

"Hg" means mercury

"km" means kilometre

"mm" means millimetre

"Mo" means molybdenum

"OG" means orogenic gold

"Pb" means lead

"ppm" means parts per million

"pXRF" means portable X-ray fluorescence

"QAQC" means quality assurance and quality control

"Sb" means antimony

"Te" means tellurium

"VMS" means volcanogenic massive sulphide

"Zn" means zinc