



**GREAT WESTERN MINING CORPORATION PLC**  
**(“Great Western”, “GWM” or the “Company”)**

## **EXPLORATION RESULTS**

Great Western Mining Corporation PLC (AIM – GWMO, Euronext Growth – 8GW), which is exploring and developing gold, silver and copper targets in the Walker Lane belt of Nevada, USA, is pleased to announce further results from its 2024 geological field work with positive developments at several prospects.

### **HIGHLIGHTS**

- **M2 Resource:** Analysed soil samples reveal a surface anomaly continuing 500 m to northeast of the Company’s existing inferred copper resource. One grab sample from this area recorded **1,470 g/t Ag**, a new peak for M2.
- **West Huntoon Porphyry Prospect:** Further infill soil sampling has better defined strong copper and gold targets at the heart of the anomaly, following the recently reported expansion of the area of interest from 2 km<sup>2</sup> to approximately 3 km<sup>2</sup>.
- **West Huntoon Gold Prospect:** A new grab sample confirms elevated gold values (**2.01 g/t Au**) 65 m along strike from high-grade samples reported in late 2024 (**16.17 g/t Au, 207 g/t Ag**)
- **Smith Mine:** reconnaissance soil samples have confirmed an area in the south of the grid as anomalous for copper, with peak value of **341 ppm Cu**, and an isolated sample returning a gold value of **29 ppb Au**.
- **Tun Group Prospect:** Soil and grab samples show anomalies surrounding old mine workings and along two parallel trends running up to 1 km to the west. A new grab sample from a quartz vein approximately 900 m from the old workings returned **1.17 g/t Au**.

**Great Western Chairman Brian Hall commented:** *“During the 2024 field season, our exploration team worked continuously on enhancing our knowledge of our large area of claims in the Nevada Walker Lane belt, through a combination of geophysical surveys, grab sampling, soil sampling and field mapping. We reported lab results several times during 2024, and this release covers lab results recently received and not previously reported. Some 2024 results remain pending and will be announced when available. The precise locations of the samples taken are set out in map form at the end of this release.*

*“The high rate of success achieved through this field work clearly underlines the prospectivity of our extensive claims, both for copper and precious metals. In 2025 we will also begin work on the tungsten prospects identified at the former Defender and Pine Crow mines where we have recently staked new claims to protect our interests.”*

### **M2 Resource**

New soil samples taken northeast of M2 indicate the continuity of the M2 trend in this direction (Figure 2). 124 samples were collected in a 50 x 50 m grid, of which 27 were anomalous (>75 ppm Cu) for copper (peak 969 ppm Cu, median 117 ppm Cu). Notably, one portion of the anomaly is above a granite body – the *Fletcher’s Camp* Granite. Surface showings of copper have been found relating to late-stage intrusions above the granite contact. Grabs from this area have returned positive grades for copper one returning a grade of 1,470 g/t Ag. This is the highest silver value recorded at M2. Further work will be undertaken for a better understanding of the silver enrichment in this area.

### **West Huntoon Porphyry Prospect**

A further 56 infill soil samples have been taken at West Huntoon, 33 of which are anomalous for copper (peak 625 ppm Cu, median 220 ppm Cu; Figure 3a). These samples have better defined the main daylighting portion of the copper anomaly in the core zone at the prospect. Crucially, this is an area where Great Western has open drill permission under an ongoing agreement with a private landowner.

While recent focus has been on the copper prospectivity at West Huntoon, these results again highlight the widespread gold prospectivity. Of the 56 new samples, 23 have gold grades >5 ppb, with median value of 10 ppb, and outliers at 231 and 100 ppb Au. Reviewing a wider group of 333 samples taken to date over the core areas of West Huntoon (including both new and previously released samples, with those collected cover sequences excluded), 271 are >= 5 ppb Au, 26 are >=50 ppb Au and 13 are >= 100 ppb Au with outliers at 1,940 and 320 ppb Au.

In 2024 GWM announced a high-grade vein grab of 16.17 g/t Au, 207 g/t Ag and 2.37% Cu. A follow-up sample has since been taken 65 m to the southeast on another outcrop of the same structure which returned 2.04 g/t Au and 0.1% Cu, indicating that this mineralised vein may have lateral continuity (Figure 3b). Further detailed mapping of the area in search for more outcrops of this structure is planned.

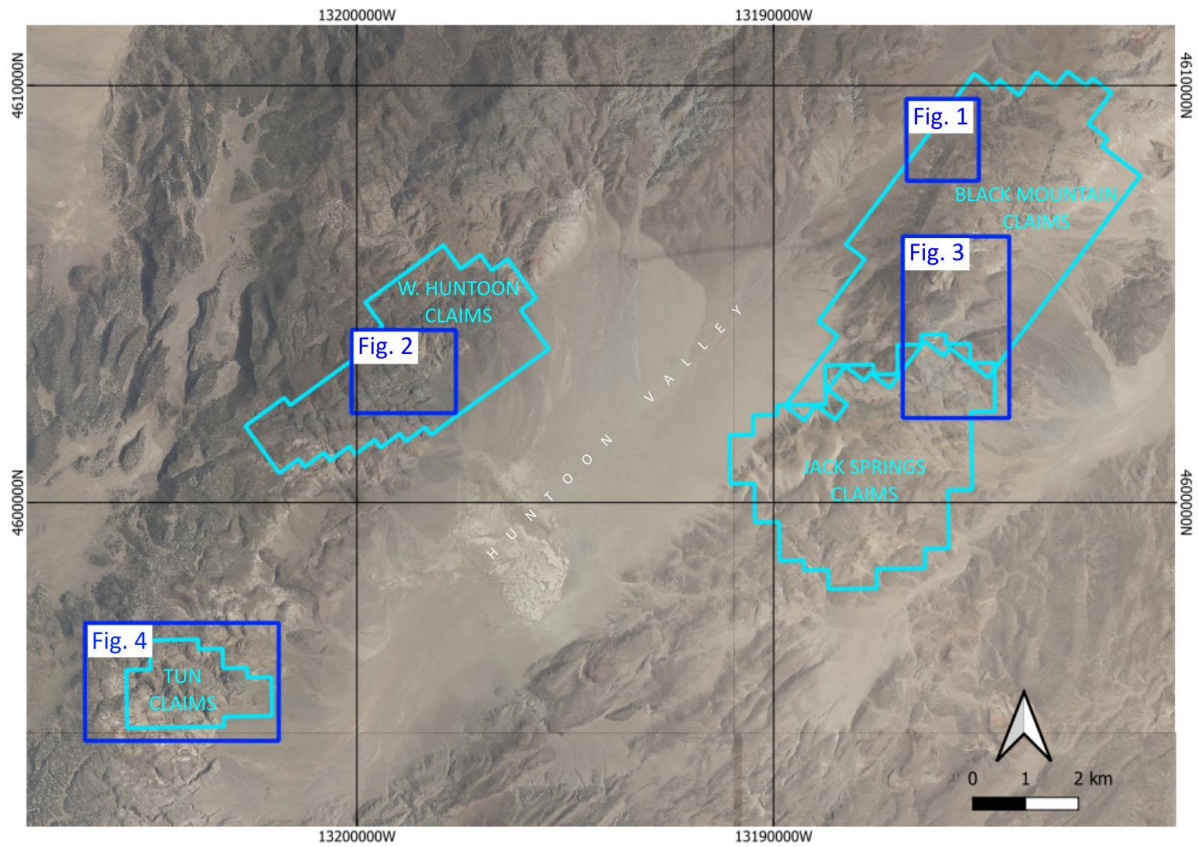
### **Smith Mine**

Reconnaissance soil samples taken at the Smith Mine claims covered 3 km<sup>2</sup> (Figure 4), being the Company's first systematic sampling undertaken at this prospect. Eleven lines were sampled with line spacing of 250 m and sample spacing of 100 m. 84 samples taken show mild copper anomalism (>50 ppm Cu) proximal to the Smith Mine workings and several samples in the south of the grid returned anomalous copper grades, including a maximum outlier of 341 ppm Cu. These samples were taken proximal to surface showings and, along with new and previously reported grabs, help define a 400 m trend of copper anomalism. Separately, one sample high on the flank of the hills to the southwest returned a markedly anomalous 29 ppb Au. Closer-spaced follow-up samples will be collected in both of these areas.

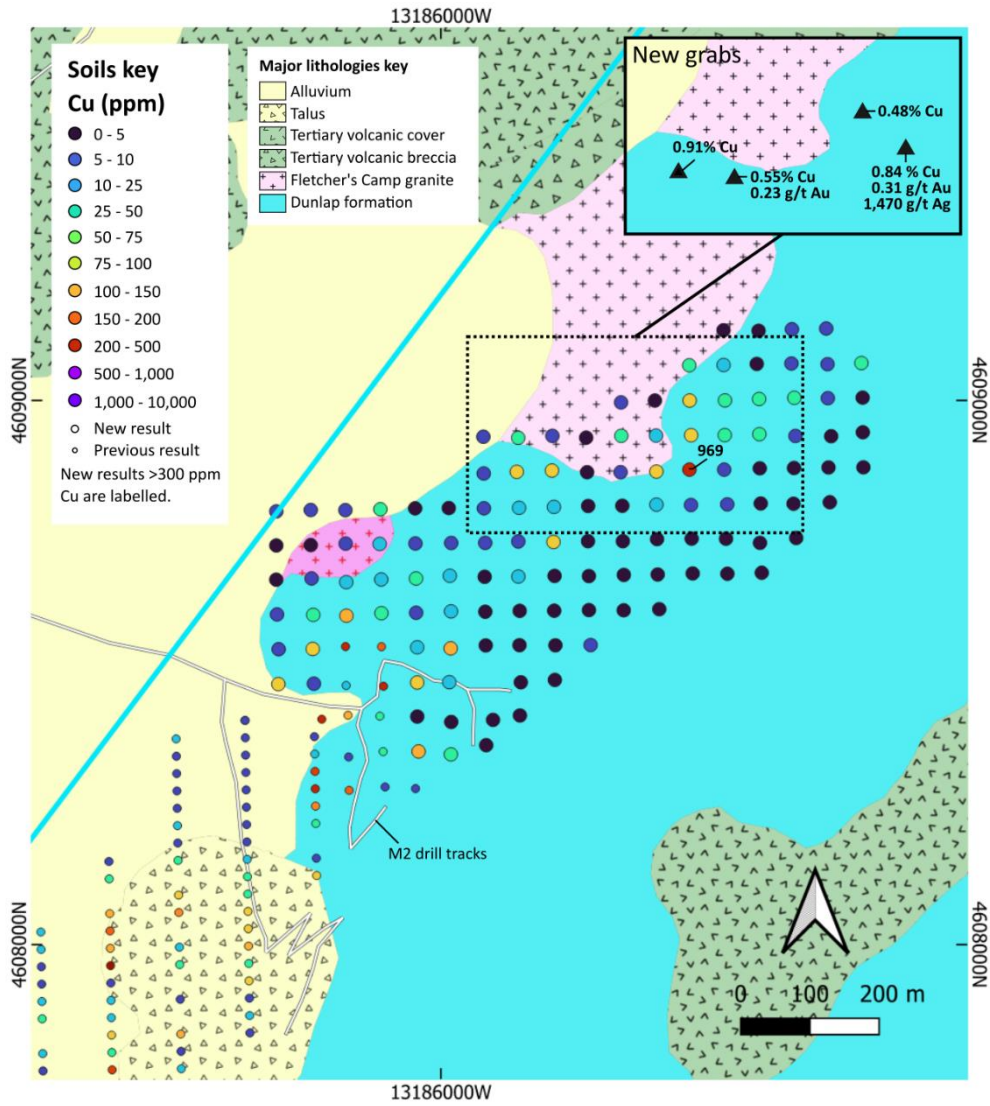
A float sample of quartz vein containing pyrite, taken at the *Neo* workings returned 6.51 g/t Au and 41.9 g/t Ag. It is likely that this vein was the focus of the mine's original workings, as similar material is present in outcrop in the walls of short open adits. The vein is narrow (<20 cm) at outcrop, but with further work may become a drill target.

### **Tun Group Prospect**

Reconnaissance soils were conducted at the Tun claims and show copper and gold anomalism, mainly in the area near surface workings around the range-front boundary with the Huntoon Valley (Figure 5). Mild gold anomalism continues in two corridors to the west and follow-up infill sampling is planned in these areas. In one of the zones, situated 900 m to the west of the Tun workings, a grab sample from an outcropping quartz vein returned 1.17 g/t Au, indicating potential for continuity of the epithermal style veins in this area.



**Figure 1.** Summary map showing location of Great Western claim groups around the Hunttoon Valley, and areal extent of figures from this report.



**Figure 2.** Map of new soil results from M2 northeast. Inset map shows location of four new grab samples.



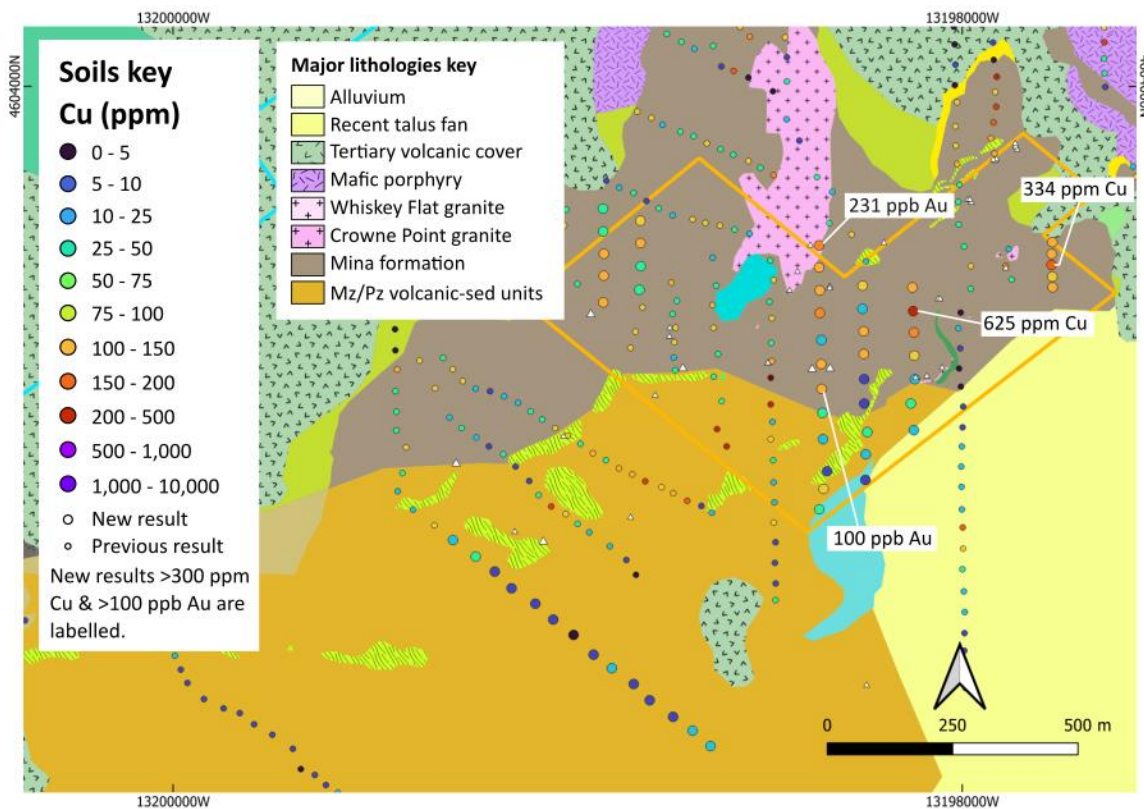


Figure 3a. Map of new soil results from West Huntoon.

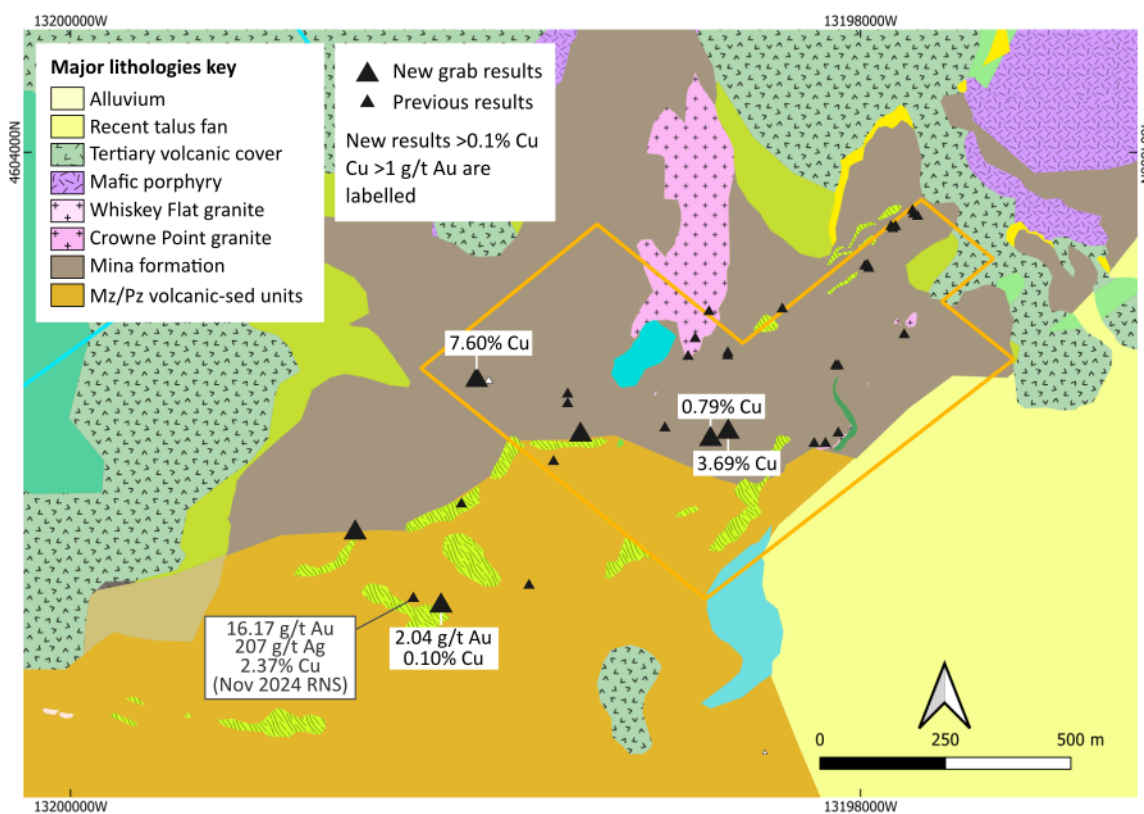
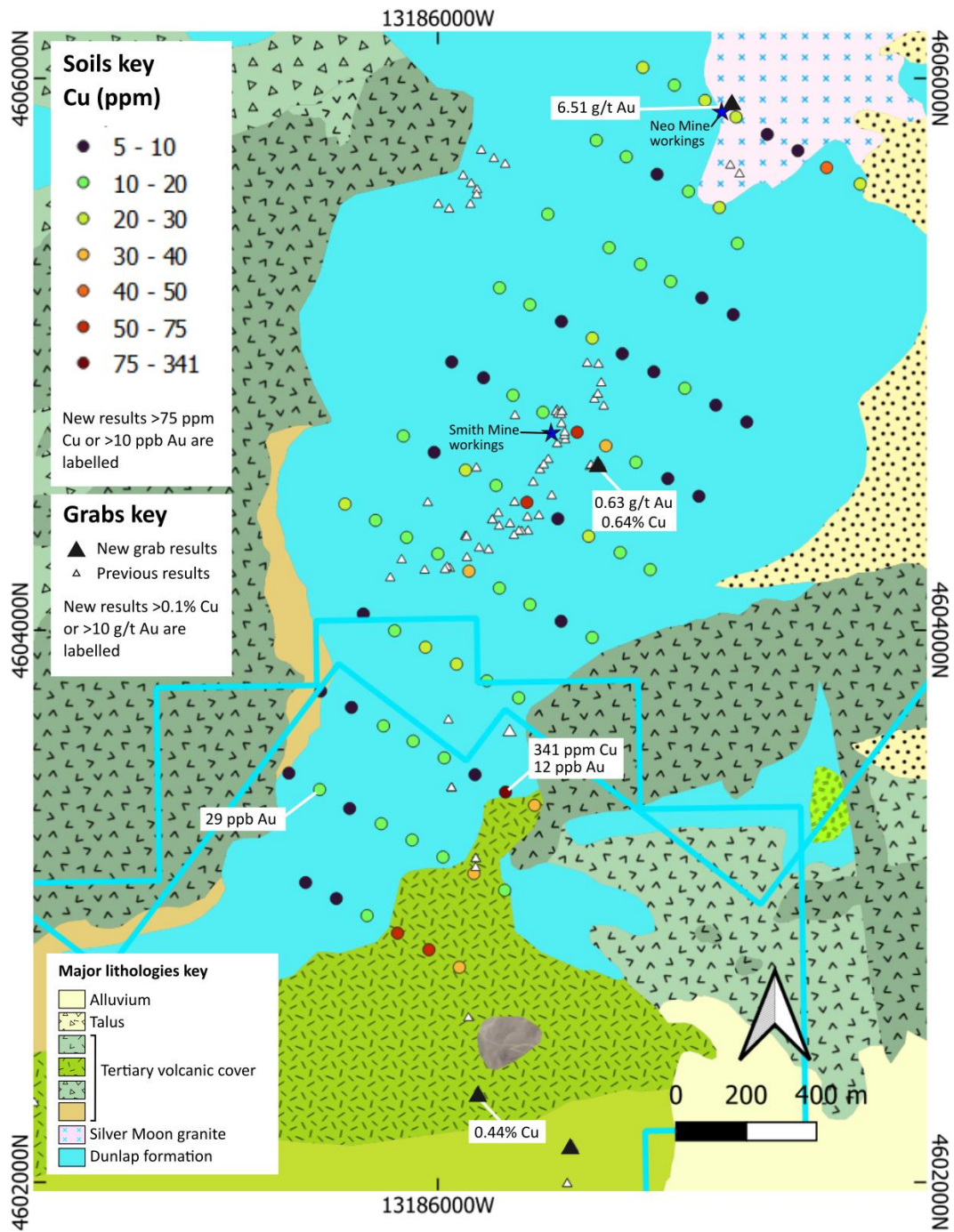


Figure 3b. Map of new grab results from West Huntoon.



**Figure 4.** Map of new soil and grab results from Smith Mine area.



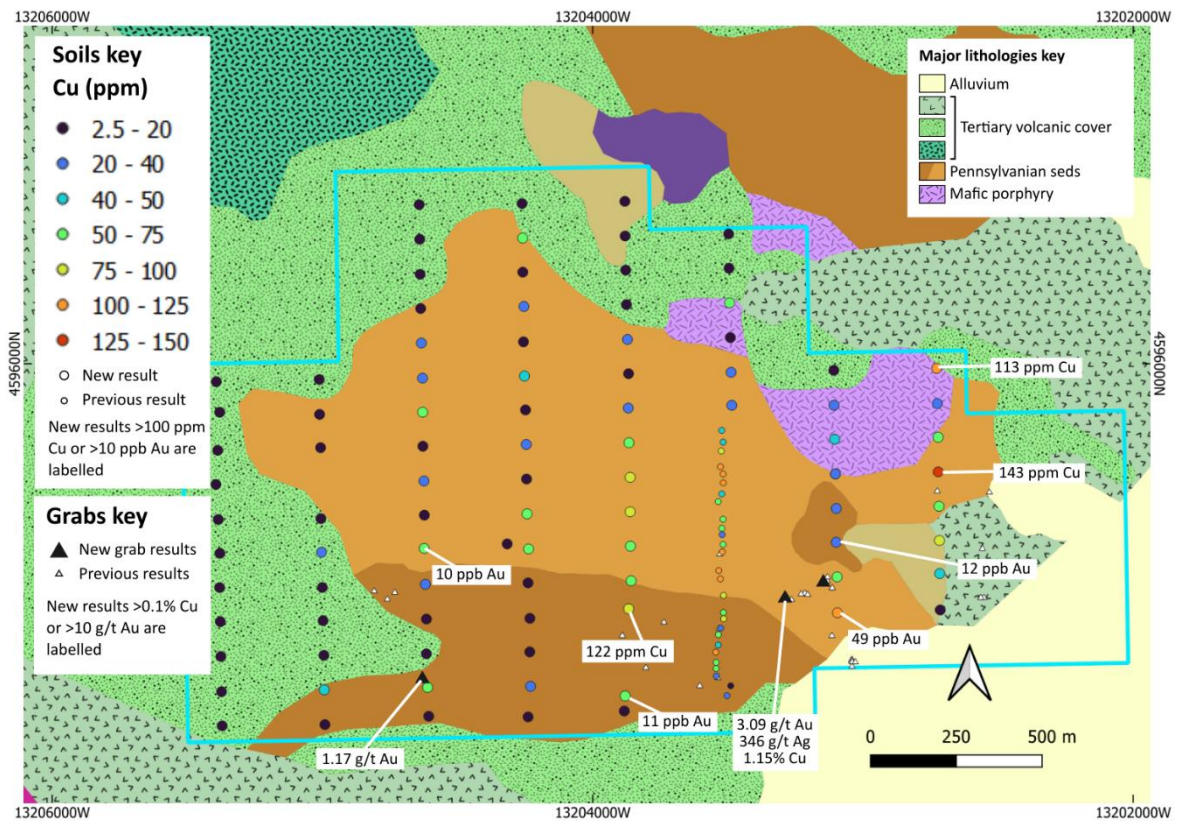


Figure 5. Map of new soil and grab results from the Tun claims.

#### ADDITIONAL INFORMATION

All soil and grab samples have been submitted to Paragon Geochemical Laboratories, Reno, Nevada. Soil samples were screened to -80 mesh and analysed by method FSAU-25, aqua regia digest with ICP-MS finish for a 51-element suite. Quality control samples were inserted by the company and results reviewed prior to release. Grab samples were analysed by method Au-FA30/AuAg-GR30 for gold (30 g fire assay, with gravimetric finish for overlimit samples) 35AR-OES for a 35-element suite via aqua regia digest and ICP-OES.

#### QUALIFIED PERSON STATEMENT

The information in this announcement that relates to exploration results is based on information reviewed by Dr James Blight MGeol PhD MAusIMM who is Exploration Manager of Great Western Mining Corporation PLC. Dr Blight is a "Qualified Person" as defined in the "Note for Mining and Oil & Gas Companies" which form part of the AIM Rules for Companies. Dr Blight has reviewed and consented to the inclusion in the announcement of the information in the form and context in which it appears.

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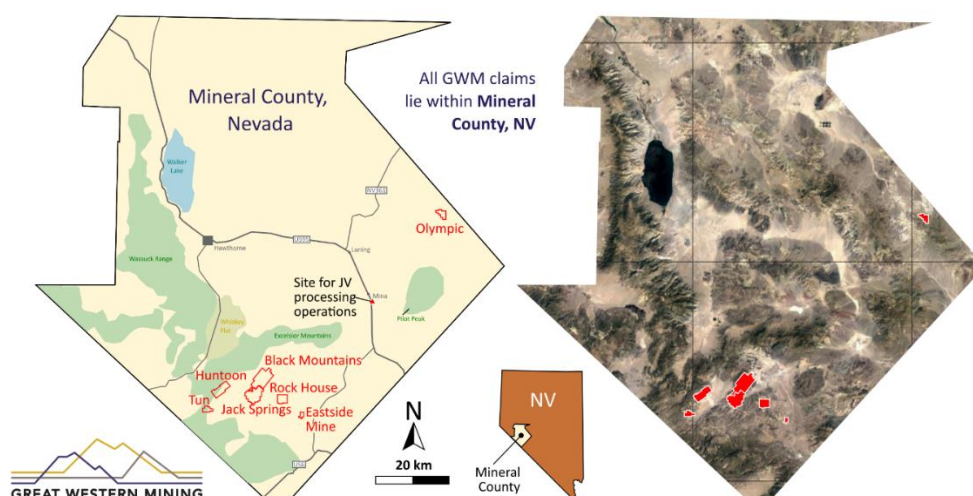
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**Notes to Editors**

The Company has a large tract of acreage in Mineral County, Nevada. The area consists of rugged, mountainous terrain, which means that large parts of it remain under-explored. Mineral potential is hosted by the regional Walker Lane Structural Belt, the largest structural and metallogenic belt in Nevada, yet one of the least explored in recent times, with gold, silver and copper currently produced in Mineral County. Great Western has seven distinct concession areas which offer the potential for exploiting (1) short term gold and silver deposits and (2) long-term, world-class copper deposits.

Six of the Company's properties are in the west of Mineral County and the seventh and most recent acquisition, the Olympic Gold Project, is in the east of the county, some 50 miles from the main group. All the Company's claims are 100% owned. Claims at the Eastside Mine Group have been contributed to a pooling agreement with Bronco Creek Exploration, Inc. and in addition the Company participates in the Huntoon Mine Area Cooperation Agreement with landowner-neighbour Crowne Point Resources with whom it shares resources. Great Western's small exploration team is supported by locally based consultants and contractors.



The state of Nevada is one of the world's most mining-friendly jurisdictions. While tightly regulated and environmentally conscious, Nevada welcomes the mining industry. Great Western takes care to ensure that its claims are maintained in good standing and all regulations observed.



There are numerous gold and silver prospects on the Company's acreage, including extensive historic mine workings which offer the opportunity for secondary recovery. The Company is party to a 50-50 joint venture known as Western Milling LLC which is constructing a mill to process pre-mined material for secondary recovery of gold and silver.

Furthermore, through extensive drilling over a five-year period, GWM has established a Mineral Resource on its first target area known as M2, of 4.3 million tonnes at 0.45% copper, for 19,000 tonnes of contained copper metal. This resource has been independently reported in accordance with JORC guidelines.

GWM has also established an Inferred Resource Estimate of 31,000 tonnes grading 1.6 g/t gold and 3.0 g/t silver in tailings associated with the OMCO Mine at the Olympic Gold Project. Additionally, exploration targets have been independently reported as follows:

- 3,400 – 6,400 tonnes grading between 0.5 and 1.2 g/t Au and 1.2 and 2.1 g/t Ag in the substrate beneath the tailings volume at the Olympic Mine.
- 9,000 – 12,000 tonnes grading between 0.9 and 2.4 g/t Au and 2.0 and 5.1 g/t Ag in a coarse stockpile at Olympic Mine.
- 4,200 – 7,700 tonnes grading between 40 and 140 g/t Ag and 0.3 and 0.3 g/t Au in spoil heaps at Mineral Jackpot.