

GREAT WESTERN MINING CORPORATION PLC  
("Great Western", "GWM" or the "Company")

## EXPLORATION RESULTS AT M5 PROSPECT

Great Western Mining Corporation PLC (AIM - GWMO, Euronext Growth - 8GW), is pleased to announce the results of soil geochemistry and induced polarisation (IP) surveys at its M5 prospect in Mineral County, Nevada.

### HIGHLIGHTS

- New soil samples have shown continuing anomalism for both gold and copper in the northeast of the M5 prospect area.
- An IP survey has identified a chargeability-resistivity pair aligned with the M5 ridge where the strongest soil sampling results occur.
- Both new datasets point to the system continuing under cover to the northeast.

**Great Western Chairman Brian Hall commented:** "These surveys have identified copper and gold anomalies aligned over a chargeability high, reinforcing the potential for a significant mineralised system. The results will support drill targeting prioritisation as the Company advances its exploration strategy in the Walker Lane Belt."

### M5 Prospect

The M5 prospect occurs at a prominent 850 m long northeast trending ridge, located in the south of the Jack Springs claim group (Figure 1). The ridge is composed of mafic intrusions in an altered volcanic package, standing proud of surrounding tertiary lava cover (Figure 2). The ridge hosts a number of mineralised outcrops, including a quartz vein with bonanza silver grades (5.14 g/t Au, 1,246 g/t Ag and 0.32% Cu, reported in late 2023) and sulphide stringers featuring chalcopyrite. Soil sampling in 2023 identified a zone 1500 m long by 400 m wide containing several corridors of anomalous gold and copper values which are open as they reach the edge of surrounding overlying tertiary lavas to the northeast.

### Geophysics

The objective of the IP survey at M5 was to investigate the ground beneath the main ridge and any possible continuation of anomalies to the northeast under volcanic cover. This was successful. Line 1 identified a chargeability anomaly associated with the southwestern flank of the M5 ridge, adjacent to strong resistivity high at the ridge crest (Figures 3 & 4). The same relationship occurs on Line 2 where a similar pair of anomalies has been identified beneath the tertiary cover sequence. The chargeability anomaly on Line 2 is stronger than the corresponding anomaly on Line 1. The resistivity anomaly is also identified on Line 3 indicating that the broad structural setting continues 1400 m northeast of the ridge.

### Soil Samples

Additional samples to the northeast of the previously reported survey coverage returned anomalous grades for gold. Of 118 new samples taken, 7 results were between 10 and 15 ppb Au, within a group of 26 samples returning greater than 5 ppb Au (Figure 5). The newly sampled area also showed anomalous copper results with six samples greater than 75 ppm Cu and outliers at 177 and 150 ppm (Figure 6).

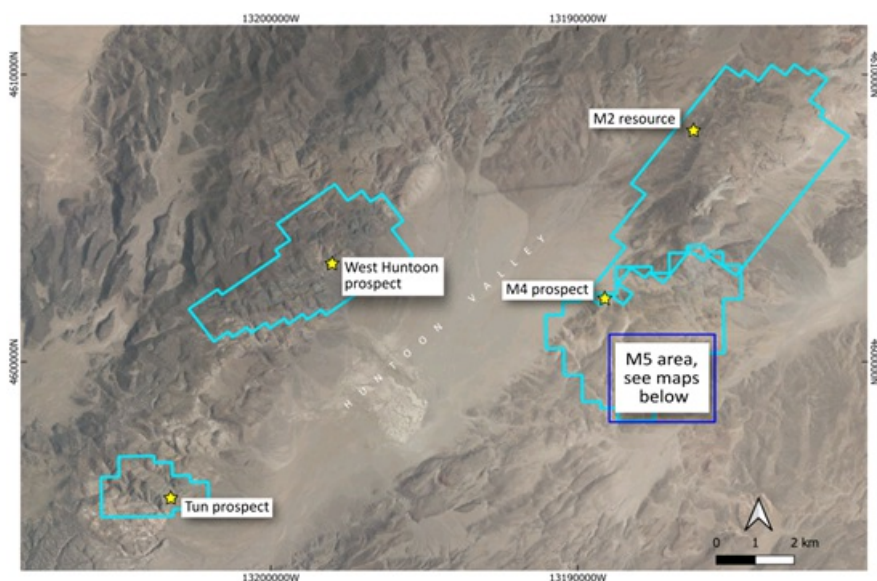
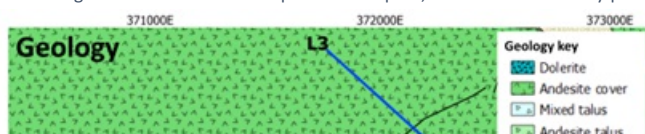


Figure 1. Index map showing areal extent of M5 maps in this report, relative to other key prospects and resources.



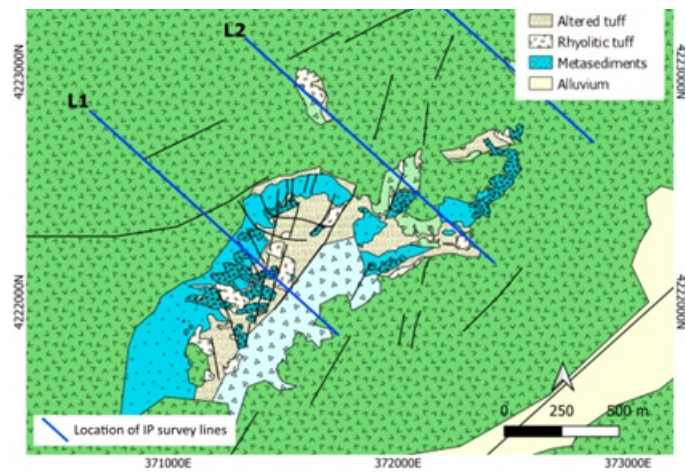


Figure 2. Geology map of M5, note extensive post-mineralisation volcanic cover.

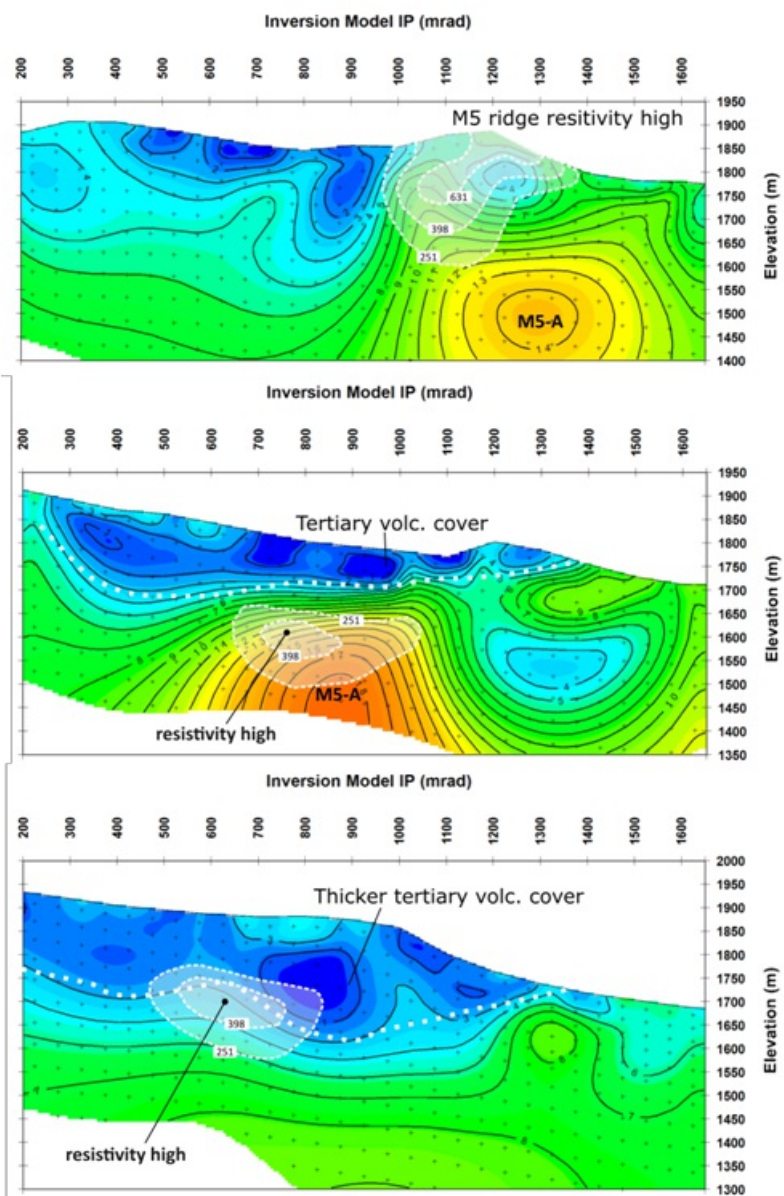
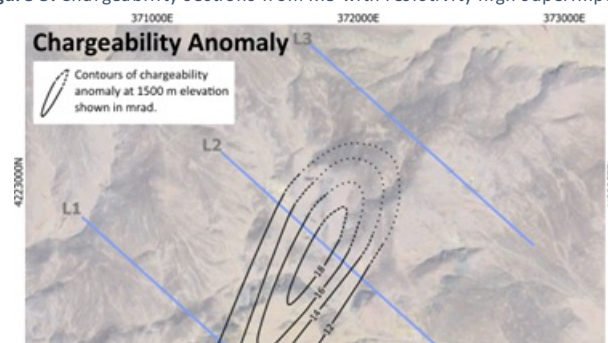


Figure 3. Chargeability sections from M5 with resistivity high superimposed.



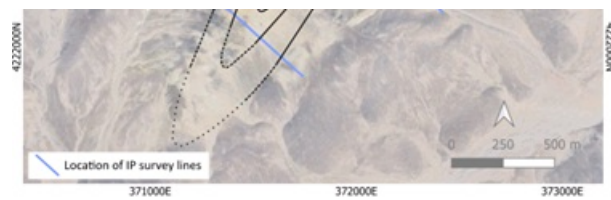


Figure 4. Plan view of chargeability anomaly.

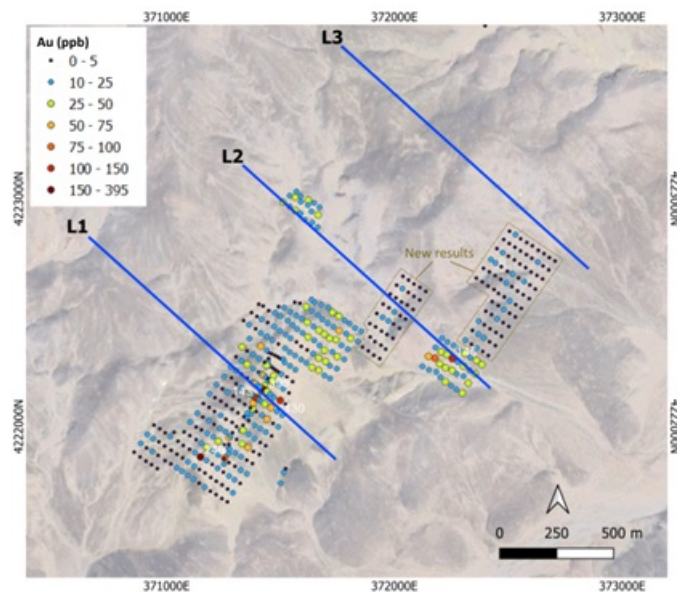


Figure 5. Map showing gold results from all soils at M5 to date.

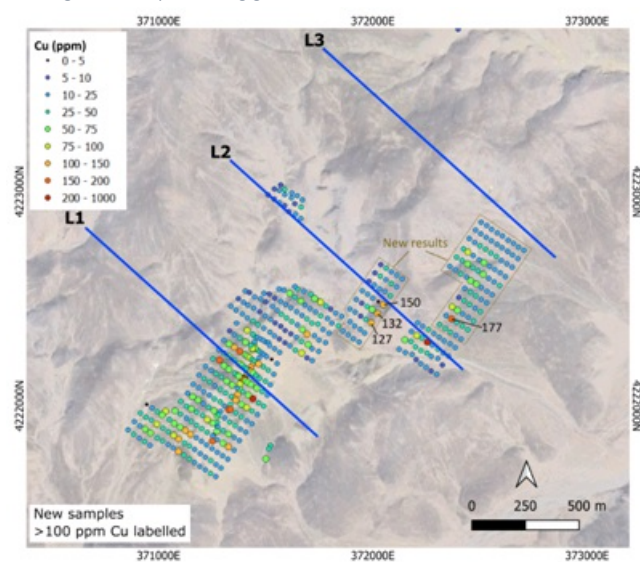


Figure 6. Map showing copper results from all soils at M5 to date.

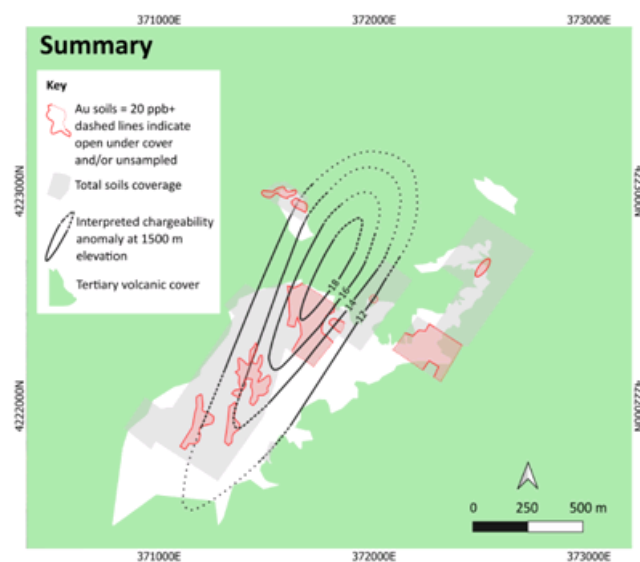


Figure 7. Summary map combining chargeability anomaly, gold anomalies in soils and simplified boundary of cover



sequences.

## ADDITIONAL INFORMATION

All soil samples were submitted to Paragon Geochemical Laboratories, Reno, Nevada. 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.

## 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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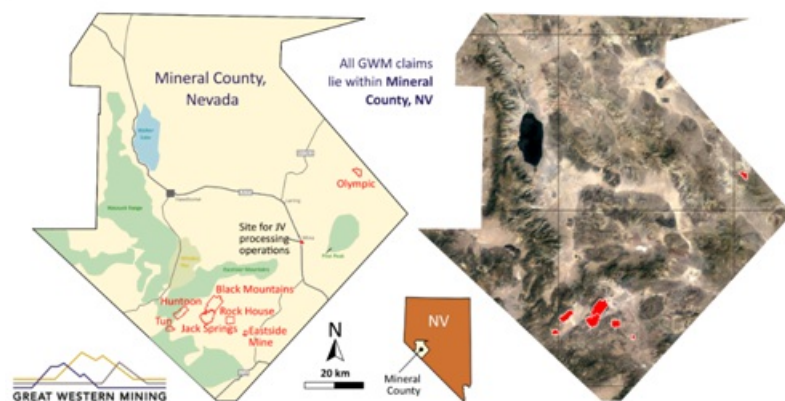
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## Notes to Editors

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.

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